GROUNDWATER MONITORING REPORT
WINTER 2003-SPRING 2004 MONITORING PERIOD
& ANNUAL REPORTING REQUIREMENTS

Bradley Landfill and Recycling Center
Sun Valley, California

Prepared For:

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April 28, 2004

Mr. Douglas Cross
California Regional Water Quality Control Board
Los Angeles Region
320 W. 4th Street, Suite 200
Los Angeles, CA 90013

Re: Submittal of Groundwater Monitoring Report for Winter 2003 / Spring 2004 Monitoring Period & Annual Reporting Requirements
Bradley Landfill and Recycling Center, Sun Valley, California
Los Angeles County (File No. 78-27)

Dear Mr. Cross:

Enclosed is the above-referenced report for Bradley Landfill and Recycling Center, owned and operated by Waste Management Recycling and Disposal Services of California, Inc. (WMRDS) (formerly Valley Reclamation Company). This report summarizes the results of waste disposal operations and environmental monitoring activities conducted at the Bradley Landfill and Recycling Center (BLRC) during the Winter 2003 / Spring 2004 monitoring period.

All laboratory analyses included in this report were conducted by a California certified laboratory in accordance with EPA guideline procedures, 40 CFR 261 and Section 13176 of the Water Code. A discussion of the results obtained from sampling and analysis conducted during this reporting period is presented in Section 4.0 and the laboratory data as required in Appendix C.

BLRC is in compliance with all site specific WDRs and this report, as submitted, has been placed in the facility operating record as required by 40 CFR 258.29; this letter serves as notification of this addition.

I declare under penalty of perjury, that to the best of my knowledge, this report is true, complete and correct. If you should have any questions regarding this report or need any additional information, please contact Bruce Matlock at (818) 252-3202 or me at (818) 252-3147.

Very truly yours,

Doug Corcoran
District Manager

aj/letters/LARWQCB042803

cc: f/LARWQCB Correspondence
f/Facility Operating Record
Mr. Martin Rosen, City of Los Angeles, Environmental Affairs Department
Mr. Marty Adams, Los Angeles Department of Water & Power
Mr. Bill Marciniak, California Integrated Waste Management Board (CIWMB)
Mr. Douglas Okumura, CIWMB (without attachments)
Mr. Mark Verwiel, Manager, Hydrology Programs, Waste Management

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1.0 INTRODUCTION

1.1 SCOPE AND PURPOSE

This Winter 2003-Spring 2004 Semi-annual report summarizes the results from October 1, 2003 through March 31, 2004 groundwater monitoring activities at the Bradley Landfill and Recycling Center (BLRC) in the Sun Valley area of the City of Los Angeles, California (Figure 1). This report details activities related to February and March 2004 sampling and also provides waste disposal information for October 2003 through March 2004. This report also includes the annual reporting requirements. Specific details related to the 2003 monitoring events are contained in the following reports:

- SCS Engineers, April 2003. *Groundwater Monitoring Report, Winter 2002/Spring 2003 Monitoring Period & Annual Reporting Requirements, Bradley Landfill and Recycling Center, Sun Valley, CA.*

- SCS Engineers, October 2003. *Groundwater Monitoring Report, Summer/Fall 2003 Monitoring Period Ending September 30, 2003, Bradley Landfill and Recycling Center, Sun Valley, California.*

In accordance with the Revised Monitoring and Reporting Program (MRP) for Acceptance of Non-Hazardous Treated Auto Shredder Waste (TASW) for Bradley Landfill and Recycling Center, Sun Valley (RWQCB, November 1, 1996), BLRC is conducting semi-annual sampling and monitoring of all site groundwater wells (4915A, 4915B, 4915C, 4915D, 4915E, 4915M, 4916G, 4916D, 4916F, 4916G, 4916H, 4916J, 4916L, 4926C, and 4916C), for MRP listed monitoring parameters and continue activities such as recording weekly and monthly groundwater level readings and leachate liquid level readings (WMI, May 1, 2002).

Sampling and reporting activities are being conducted to satisfy requirements of the documents listed below and to evaluate the performance of facility design and operation and to identify potential threats to human health and the environment.

This report satisfies the sampling and reporting requirements specified in the following:

- WMI, May 1, 2002. Notification of Change for Groundwater Well Sampling and Reporting for Bradley Landfill and Recycling Center (File No. 78-27).

- Regional Water Quality Control Board - Los Angeles Region (RWQCB), Revised Monitoring and Reporting Program (MRP) for Acceptance of Non-Hazardous Treated Auto Shredder Waste (TASW). Bradley Landfill and Recycling Center, Sun Valley (File No. 78-027) (CI No. 6343), (RWQCB, November 1, 1996).

- Proposed Monitoring and Reporting Program for BLRC (Rust Environment & Infrastructure, August 8, 1995).

- The Corrective Action Program proposed for the site by Waste Management Disposal Services of California, Inc. (WMDSC, June 1, 1994) as approved by the RWQCB (RWQCB, July 12, 1994).

- RWQCB Order No. 94-059 Waste Discharge Requirements (WDRs) and Associated Monitoring and Reporting Program (MRP) Number 6434, as amended (RWQCB, June 15, 1994).

- RWQCB Standard Provisions for Implementation of Subtitle D, as adopted by State Board Resolution Number 93-062 (RWQCB, 1993).

- City of Los Angeles/California Integrated Waste Management Board Solid Waste Facility Permits No. 19-AR-0008 and No. 19-AR-0004.

BLRC is owned and operated by Waste Management Recycling and Disposal Services of California, Inc. (WMRDSC), a wholly owned subsidiary of USA Waste of California, Inc. dba Waste Management, Inc. (WMI), Western Area, Oakland, California, under Solid Waste Facility permit 19-AR-0008 and 19-AR-0004. As noted above a proposed site-specific monitoring and reporting program (Rust, August 8, 1995) was submitted to the RWQCB in August 1995.

The groundwater monitoring program at the BLRC incorporates permanent monitoring elements to provide environmental protection during and after landfill development. All field work, sampling methodologies, data evaluation, data quality assurance and control (QA/QC) and chemical analysis were conducted in accordance with the current WDR Monitoring and Reporting Program and the facility permit. Major site features, including the locations of groundwater monitoring wells and leachate sumps, are presented on Figure 2.

1.2 SITE DESCRIPTION AND BACKGROUND

The BLRC is located west of the intersection of Glenoaks Boulevard and Peoria Street in the Sun Valley area of City of Los Angeles California and has a mailing address of 9081 Tujunga Avenue Sun Valley, CA 91352.

Portions of the BLRC have been in operation since 1959. The landfill occupies a 209-acre former sand and gravel pit, and is divided into disposal areas designated as Bradley East and Bradley West. Bradley West is currently the only portion of the site actively accepting wastes. The landfill facility currently receives residential, commercial, industrial and "special waste" debris at rate between about 15,000 to 35,000 tons per month.

A formal groundwater detection monitoring program was initiated at the site in November 1987 following adoption of RWQCB Order No. 87-153. In September 1991, an Evaluation Monitoring Program (EMP) (Valley Reclamation Company [VRC], October 9, 1991) was implemented in accordance with Title 23, Chapter 15 requirements. An EMP Report, prepared by Kerfoot and Associates (Kerfoot, March 1994), was submitted by WMRDSC to the RWQCB with a proposed Corrective Action Program (CAP) on June 1, 1994. In a July 12, 1994 letter, the RWQCB determined the EMP satisfied the requirements of Chapter 15, Article 5, Section 2550.8, concluding the evaluation phase of the program. In the same letter, the RWQCB approved, with one modification, the proposed CAP.

The EMP Report concluded that the volatile organic compounds (VOCs) that have been detected in groundwater are related to landfill gas beneath the site. As a result of these findings, the CAP requires ongoing upgrades and operational adjustments to the landfill gas control system. New wells have been added to replace older, low producing landfill gas collection wells or to target areas where landfill gas is suspected of affecting groundwater. The gas collection system now consists of approximately 213 vertical wells and 7 horizontal collectors. In April 2001, a larger capacity flare replaced one of three system flares. The installation of this flare increased the total daily landfill gas destruction capacity from 9 million cubic feet to 14 million cubic feet. The landfill gas system is continually adjusted to minimize landfill gas impacts to groundwater.

As noted earlier, as of May 2002, WMI commenced with semi-annual sampling of all site wells and the approved MRP-listed monitoring parameters required by the Revised MRP dated November 1, 1996.

1.3 HYDROGEOLOGIC SETTING

The BLRC is located in the Sun Valley area of the City of Los Angeles in Sections 19 and 30 of Township 2 North, Range 14 West, San Bernardino baseline and meridian.

BLRC is located within the northeast part of the San Fernando Valley. The San Fernando Valley is a roughly east-west trending, alluvium-filled structural basin bounded by relatively nonpermeable basement rocks ranging in age from Miocene to Pre-Cambrian (Waste Management of North America [WMNA], 1992). The alluvial deposits consist primarily of Pleistocene to Holocene age sand and gravel derived primarily from the adjacent highlands, and are more than 1,000 feet thick in the vicinity of the site (WMNA, 1992).

BLRC is located within a hydrologically complex part of the San Fernando Groundwater Basin. All waste filling areas are northeast of the Verdugo Fault which trends roughly northwest-southeast across the southernmost portion of the site. East of this fault, the groundwater table typically is found within the alluvial deposits at between 600 to 730 feet above mean sea level (200 to 280 feet below ground surface) and slopes toward the south-southeast. West of the Verdugo fault, the water table is approximately 100 feet lower than east of the fault. Based on the differences in groundwater elevation, the fault is believed to form a flow barrier.

The Hansen Dam and the Hansen Spreading Grounds are located approximately 3,000 feet northwest of the site. Local groundwater levels have historically fluctuated, primarily as a result of groundwater recharge activities at the Hansen Spreading Grounds (LeRoy Crandall and Associates (LCA), June 1987). Groundwater elevation data from 1989 to 2003 indicate groundwater elevation can vary by 20 to 60 feet during one season. The largest fluctuations are observed in the upgradient wells, which are located closer to the spreading basins. In addition to recharge activities, factors that may influence the movement of groundwater beneath the site include underflow of water beneath Hansen Dam, direct infiltration of precipitation, and withdrawal of groundwater from nearby industrial supply wells.

2.0 FIELD PROGRAM, MONITORING RESULTS, AND DISCUSSION

2.1 VISUAL INSPECTION PROGRAM

Visual inspections by personnel at BLRC are conducted routinely to ensure that a potential release is detected at the earliest possible time. Visual inspections include examination of any stresses to biological communities, unexplained changes in soil characteristics, visible signs of leachate migration (i.e., leachate seeps), and any other evidence of change to the environment that may be due to the waste management unit. None of these types of physical indications were reported during the Winter 2003-Spring 2004 monitoring period.

2.2 MONITORING NETWORK AND GROUNDWATER ELEVATION MEASUREMENTS

2.2.1 Monitoring Network

The monitoring program at BLRC includes semi-annual sampling of six upgradient and seven downgradient groundwater monitoring wells. The locations of groundwater monitoring wells are illustrated on Figure 2. All wells associated with the BLRC monitoring program are completed in alluvial deposits (Table 1). Well completion details are summarized in Table 2.

Groundwater wells sampled during the Winter 2003-Spring 2004 monitoring event included upgradient wells (4915A, 4915B, 4915C, 4915D, 4915E and 4915M) and downgradient wells (4916D, 4916F, 4916G, 4916H, 4916J, 4916L, 4926C). Sampling during the Winter 2003-Spring 2004 semi-annual event excluded well 4916C, which monitors water west of the Verdugo Fault, because the low water level made sampling impractical. In addition, access to well 4914G was not available.

2.2.2 Groundwater Elevation Measurements

During the Winter 2003-Spring 2004 period, water elevation data were collected October 23, 2003, November 13, 2003, December 18, 2003, January 15, 2004, February 12, 2004, and March 25, 2004, using a Solinst water level indicator in accordance with the field procedures outlined in the WMI *Groundwater, Surface Water and Leachate Sampling Standard* (June 2001). The wellhead reference elevation (top of casing elevation), depth to groundwater, and respective water level elevations are presented in Table 3.

On February 12, 2004, prior to initiation of groundwater purging and sampling activities, the depth to water and water level elevation (feet above mean sea level) were recorded to the nearest hundredth of a foot. Water table elevation data from February 2004 were utilized for the preparation of the Winter 2003-Spring 2004 groundwater contour map and to determine the groundwater flow direction and gradient at the site. Using the groundwater elevation data, groundwater flow beneath the BLRC was determined to be predominantly towards the south, which is consistent with past monitoring events. Groundwater elevation data for February 2004

have been contoured as shown on Figure 3. Figures illustrating groundwater flow direction for the 2003 events are provided in Appendix A.

Groundwater elevation in most of the wells east of the Verdugo Fault fell approximately 7.5 to 12.5 feet between October 2003 and January 2004. As illustrated in Table 3, groundwater has fluctuated significantly in the past. The variation of water levels measured in wells located on the northern and southern portions of the facility reflect the rates of water being added to the spreading basins to the north of BLRC and the time required for the water to reach each of the wells.

The groundwater level in well 4916C, west of the Verdugo Fault, fell approximately 5.5 feet from October 2003 to March 2004.

2.3 GROUNDWATER GRADIENT AND FLOW VELOCITY

The average horizontal groundwater seepage velocity in the alluvial deposits, the target water-bearing zone downgradient of the landfill, was estimated using the following equation:

$$\mathbf{v = (K_h i)/n_e}$$

Where:

- v = average groundwater velocity,
- K_h = aquifer horizontal hydraulic conductivity,
- i = average hydraulic gradient (vertical change in groundwater elevation/ corresponding horizontal distance), and
- n_e = effective aquifer porosity.

The calculation utilizes an average hydraulic conductivity value of 120 feet per day (LCA, June 1987); an effective porosity of 22.5 percent (average of sand and gravel porosity; Heath, 1998); and an average hydraulic gradient of 0.012 feet per foot as estimated from Figure 3. Based on these calculations, the average groundwater seepage velocity reported at the site is approximately 6.4 feet per day or 2,339 feet per year.

The February 2003 and August 2003 estimates of groundwater flow velocity were similar to the value calculated for February 2004.

2.4 GROUNDWATER SAMPLING AND ANALYTICAL PROGRAM

2.4.1 Field Program

The field sampling activities for the Winter 2003-Spring 2004 monitoring event were conducted on February 16, 17, 19, 26, and 27, 2004 and March 1, 4, 5, and 11, 2004. Monitoring well purging and sampling activities were implemented in general accordance with

the field procedures described in the WMI June 2001 Sampling Standard and the site WDR. Any field or laboratory modifications to the standard are described below.

Groundwater monitoring wells were purged and sampled using dedicated piston, bladder or submersible pumps installed in each well. During purging, temperature, conductivity, and pH were measured using a QED instrument equipped with a flow cell and turbidity was measured using a LaMotte 2020 meter. Field sampling data sheets for the February/March 2004 sampling events, documenting well equipment information, field parameter measurements, groundwater purge volumes, and field comments, are provided in Appendix B.

In February 2004, SCS also performed monitoring well inspections. Copies of the well inspection forms are provided in Appendix C.

2.4.2 Laboratory Analysis and Monitoring Parameters

As described in the site's WDR Monitoring and Reporting Program, the BLRC monitoring parameter list for downgradient wells (4916D, 4916F, 4916G, 4916H, 4916J, 4916L, and 4926C), upgradient wells (4915A, 4915B, 4915C, 4915D, 4915E, 4915M, 4916G), and well 4916C (separate water body) was selected based on an evaluation of site specific information including background groundwater chemistry, leachate analytical results, and chemical detectibility, mobility, and persistence. The semi-annual monitoring parameters for these wells are presented in Table 4, which also includes the WDR required annual analysis of groundwater collected from site wells for semi-volatile organic compounds (SVOCs), total cyanide, total sulfides and other selected metals (total). Annual leachate samples were collected during this monitoring period and were also analyzed by the semi-annual and annual parameters listed on Table 4.

Samples collected at the site were submitted to Severn Trent Laboratories (STL) in Arvada, Colorado for chemical analysis. Groundwater laboratory reports detailing reporting limits and method detection limits are included in Appendix D. Chain-of-custody and sampling form documentation has also been included with the laboratory reports.

With the exception of the groundwater samples analyzed for dissolved metals and cyanide, which were filtered in the field and preserved in the laboratory-provided bottles, all other samples were unfiltered and placed in laboratory-supplied bottles with the appropriate preservative at the time of sample collection.

2.5 GROUNDWATER ANALYTICAL PROGRAM RESULTS

The results of the Winter 2003-Spring 2004 groundwater monitoring event are summarized in Table 5 for general chemistry and Table 6 for VOCs. Refer to these tables for the constituents detected and their concentrations. The laboratory reports for these samples are provided in Appendix D.

Concentrations of inorganic compounds appear similar to the previous monitoring event with some small increases and decreases of inorganic compounds in several wells (Table 5). Preliminary indications of statistical exceedences during the current monitoring event are discussed in Section 4.0.

During the Winter 2003-Fall 2004 monitoring event, trichloroethene was detected above the reporting limit in one upgradient well (4915M). Concentrations below the reporting limit of chloroform, 1,1-dichloroethene, and 1,1,1-trichloroethane were detected in well 4915M. Bromodichloromethane and chloroform at concentrations below the reporting limit were detected in upgradient well 4915C. Current and previous trichloroethene detections in well 4915M are discussed in more detail in Section 4.0.

Vinyl chloride was detected above the reporting limit in three of the seven downgradient wells 4916F, 4916H, and 4916J (Table 6). Vinyl chloride is discussed in more detail in Section 4.0. During this monitoring event, one or more of the following analytes were detected at concentrations less than the reporting limit in downgradient monitoring wells: benzene, chlorobenzene, 1,4-dichlorobenzene, dichlorodifluoromethane, 1,1-dichloroethane, cis-1,2-dichloroethene, 1,2-dichloropropane, methylene chloride, tetrachloroethene, trichloroethene, and vinyl chloride. Of these detections, methylene chloride was likely caused by laboratory or field cross contamination since it was also detected in the associated trip, field and/or method blanks for each sample. All of the affected wells have had VOC detections in the past.

The annual sampling for SVOCs, total sulfide, total cyanide, and seventeen total metals was conducted in February/March 2004. No total cyanide was detected in any of the well samples. Total sulfide was detected at concentrations below the reporting limit (4 μg/l) in three wells (4915B, 4916G, and 4916L). Bis(2-ethylhexyl) phthalate was detected above the reporting limit in well 4916H and below the reporting limit in well 4915M, no other SVOCs were detected in any of the site wells. Resampling for SVOCS at well 4915M was conducted on March 23, 2004 and no SVOCs were detected in the resample. Well 4916H was resampled for bis(2-ethylhexyl) phthalate on April 1, 2004 and no bis (2-ethylhexyl) phthalate was detected. Copies of the resample reports for 4915M and 4916H are included at the back of Appendix D.

One or more of 15 total metals species (silver, arsenic, barium, beryllium, boron, cobalt, cadmium, chromium, copper, mercury, lead, potassium, manganese, nickel and/or zinc) were detected in each of the wells. With the exception of manganese, none of the concentrations detected exceeded California Maximum Contamination Levels (MCLs) for drinking water. Manganese exceeded the secondary maximum contaminant level of 0.05 mg/l in seven of the thirteen up- and downgradient monitoring wells sampled. The increased concentrations of manganese are likely the result of changes in oxidation/reduction conditions of the groundwater that in turn are the result of landfill gas influence. Annual sampling results are included in the laboratory reports provided in Appendix D.

2.6 LEACHATE SAMPLING AND ANALYSIS

As required under the MRP (1996), leachate samples were collected during the Winter 2003-Spring 2004 period from Sumps B, C, D, E (old and new), and F. Sump A was not sampled due to insufficient liquid. Leachate samples were collected on March 4, 5, and 11, 2004, and analyzed for all semi-annual and annual monitoring parameters required by the MRP (1996). Leachate samples collected at the site were submitted to STL for chemical analysis. The results of leachate analysis are included in Table 7. Copies of the laboratory reports, chain-of-custody and sampling form documentation have been included in Appendix E.

All substances detected in the leachate samples have previously been listed as constituents of concern for BRLC (Rust, August 8, 1995).

3.0 LABORATORY AND FIELD QUALITY ASSURANCE AND QUALITY CONTROL

The following highlights some of the information presented in the STL Quality Control Summary contained in each of the laboratory analytical reports for groundwater samples. For more detail, please review the appropriate portions of the laboratory reports.

3.1 TRIP BLANKS AND FIELD BLANK

Trip blank samples were submitted to STL for chemical analysis for VOCs using EPA Method 8260B. Methylene chloride was detected in the trip blank and associated samples collected on February 19, 2004. STL stated that this might indicate the possibility of laboratory or field contamination.

Methylene chloride was detected in the field blank associated with samples collected on March 1, 2004. Methylene chloride was also detected in the associated well sample, suggesting the possibility of laboratory or field contamination.

3.2 HOLDING TIMES AND TEMPERATURE

All of the samples were reportedly analyzed within the required holding times appropriate for each analytical method.

Samples collected during the Winter 2003-Spring 2004 monitoring period arrived at STL with temperatures measured at between 2.6 and 5.6 degrees Celsius.

3.3 SAMPLE SURROGATE RECOVERIES

The surrogate recoveries for EPA Method 8260B in this monitoring event were within acceptable ranges for all samples.

3.4 METHOD BLANKS

STL reported the detection of one or more of the following constituents in method blanks for groundwater samples collected for the Winter 2003-Spring 2004 monitoring event: methylene chloride, chloride, total potassium, total silver, total beryllium, total cobalt, total copper, dissolved potassium, dissolved calcium, specific conductance, total dissolved solids, and/or total organic halogens. All of these constituents were detected at levels below the reporting limits. STL stated that corrective action is not taken for any values in method blanks that are below the requested reporting limits.

All other laboratory method blanks processed for the Winter 2003-Spring 2004 monitoring event were within established control limits.

3.5 LABORATORY CONTROL SPIKES

During the Winter 2003-Spring 2004 monitoring period, some of the matrix spike/matrix spike duplicate recoveries and/or relative percent difference results were outside control limits for total silver, total arsenic, total boron (Method 6010B), total mercury (Method 7470A), sulfate (Method 300.0A), chemical oxygen demand (Method 410.4), and/or trichloroethene (Method 8260B). STL stated that since the corresponding matrix spike/matrix spike duplicate target compound recoveries and/or laboratory control and method blank samples were within control limits, these anomalies are considered to be due to matrix interference and no further corrective action was taken.

In some groundwater sample lots during the Winter 2003-Spring 2004 sampling event, STL reported that due to result concentrations exceeding the calibration range, the matrix spike/matrix spike duplicate results for chloride and/or sulfate were estimated.

In some sample lots, STL also reported that percent recoveries of matrix spike/matrix spike duplicate and/or relative percent difference were not calculated for total manganese, dissolved calcium, dissolved magnesium, dissolved sodium and/or dissolved potassium (Method 6010B) because sample concentrations were greater than four times the spike amount.

In some sample lots the method required matrix spike/matrix spike duplicate could not be performed for Methods 8270C and/or 9030B/9034 due to insufficient sample volume, however, STL stated that laboratory control sample/laboratory control sample duplicate (LCS/LCSD) pairs were analyzed to demonstrate method precision.

During the Winter 2003-Spring 2004 sampling event, well samples 4916H and 4915D were selected to fulfill the laboratory batch quality control requirements for analytical methods 410.4A and 300.0A, respectively. STL stated that for sample 4916H the matrix spike/matrix spike duplicate recoveries of chemical oxygen demand were below the lower control limit and sample 4915D the matrix spike/matrix spike duplicate recoveries of sulfate were above the lower control limit. These anomalies indicate the possible presence of matrix interference.

All other matrix spike and/or matrix spike duplicate for this monitoring event were within established control limits.

3.6 INITIAL CALIBRATION, CONTINUING CALIBRATION, AND INTERNAL MACHINE STANDARDS

Based on review of STL documents, all initial calibration, continuing calibration, and internal machine standards were within acceptable ranges.

3.7 DUPLICATE SAMPLES

A duplicate sample was collected at 4926C on February 19, 2004. Analytical results of both sample sets were similar with the exception that total organic carbon and total silver were detected below their respective reporting limits in the 4926C duplicate sample but not the 4926C primary sample.

4.0 EVALUATION OF ANALYTICAL RESULTS

4.1 CURRENT MONITORING RESULTS

The statistical program used to analyze inorganic parameters at BLRC is DUMPStat (Downgradient Upgradient Monitoring Program Statistics). BLRC is approved for the utilization of inter-well comparisons as the statistical evaluation method for inorganic analyses. An inter-well approach compares individual well measurements to the historical chemical dataset from upgradient wells. The resulting statistical analysis produces a prediction limit to which each new measurement is compared. Prediction limits and chemical comparisons for the Winter 2003-Spring 2004 monitoring event are presented in both graphical and tabular form in Appendix F. Appendix F also includes time versus concentrations diagrams for VOCs.

Analysis of data from this Winter 2003-Spring 2004 monitoring event completed in February and March 2004 resulted in possible initial indication that the statistical prediction limit was exceeded in WDR/MRP listed downgradient well 4916J for biochemical oxygen demand.

A Data Quality Review (DQR) was requested from the laboratory to verify the validity of the reported biochemical oxygen demand concentration in 4916J. The laboratory provided a completed DQR on April 26, 2004. The DQR review identified no errors within the analytical reporting for biochemical oxygen demand in well 4916J. The RWQCB was notified of the initial indication of a statistical increase by phone on April 27, 2004 and by letter within seven days of April 26, 2004.

Resampling will occur within 30 days of notification. If resampling verifies the indication of a statistical increase, the RWQCB will be notified within 7 days (by certified mail) if an Optional Demonstration Report (ODR) or Amended Report of Waste Discharge will be completed. In either case, a document will be completed within 90 days of the verification of exceedence. If resampling does not confirm an exceedence, a letter indicating a non-verification of exceedence will be provided to the RWQCB within 90 days of the initial determination of the indication of a statistical increase.

As discussed in the SCS October 2002 report titled "*Groundwater Monitoring Report Summer/Fall 2002 Monitoring Period, Bradley Landfill and Recycling Center, Sun Valley, California*", trichloroethene (TCE) was detected in upgradient well 4915M at a concentration of 10 µg/l during the August 2002 sampling event. Resampling was attempted but no samples could be collected due to a water level decline. At that time, a sample of headspace gas was collected and found not to contain TCE. In June 2003, after the water had returned to a level sufficient for groundwater sampling, a sample was collected and analyzed for VOCs and general chemistry parameters. TCE was detected in this sample at a concentration of 14 µg/l. In a letter dated June 26, 2003, WMI notified RWQCB of the VOC detection in this upgradient well and that SCS and WMI would provide a report that examined the possibility that the detected VOC originated from the waste unit through landfill gas migration or from an upgradient source as specified under regulation.

As detailed in the SCS ODR dated October 2003, evidence from gas analyses and potential upgradient sources indicate it is likely that the TCE detected in the samples from well 4915M is due to migration from an off-site source. The TCE does not appear to have its source in the waste management units at BLRC and no further action is recommended.

Analytical results from the current monitoring period (February 2004) indicate a TCE concentration of 45 µg/l, which is above the reporting limit, California MCL, and the WQPS and concentrations well below the reporting limit for chloroform, 1,1-dichloroethene, and 1,1,1-trichloroethane. A groundwater resample and headspace sample were collected on March 24, 2004. The groundwater resample contained 15 µg/l of TCE and concentrations below the reporting limit for the three above-mentioned analytes. In addition, the headspace sample contained 56 parts per billion by volume TCE which would be equivalent, at equilibrium, to a water concentration of 0.874 µg/l. This suggests that the source of TCE in groundwater is not from landfill gas but rather the TCE in the headspace vapor is due to outgassing from the groundwater. Laboratory reports for the groundwater resample and headspace sample for 4915M are included at the back of Appendix D.

During this monitoring period, in addition to the above-mentioned TCE, one other VOC species was detected above the WQPS. Vinyl chloride was detected in wells 4916D, 4916F, 4916H, and 4916J at concentrations ranging from 0.64 µg/l (estimated) up to 3.5 µg/l. The BLRC WQPS for vinyl chloride is listed as 0.5 µg/l in the WDR/MRP. This WQPS value is thus equal to the MCL in drinking water for this compound. Vinyl chloride concentrations have decreased since the last monitoring event in August/September 2003, when vinyl chloride was detected in the same wells, plus 4916G, at concentrations above the WQPS ranging from 0.59 µg/l up to 6.0 µg/l.

All wells with vinyl chloride detections are in the corrective action program and, based on the BLRC Proposed Monitoring and Reporting Program (Rust, August 8, 1995), do not require resampling.

4.2 SUMMARY OF PREVIOUS INDICATIONS OF STATISTICAL INCREASES

As discussed in the SCS October 2003 report titled *Groundwater Monitoring Report Summer/Fall 2003 Monitoring Period Ending September 30, 2003, Bradley Landfill and Recycling Center, Sun Valley, California,* analytical data from the August and September 2003 monitoring event resulted in possible initial indications that statistical prediction limits were exceeded in the following WDR/MRP listed downgradient wells for:

- Biochemical oxygen demand in well 4916D
- Alkalinity and biochemical oxygen demand in 4916F
- Biochemical oxygen demand in 4916G
- Alkalinity and biochemical oxygen demand in 4916H
- Alkalinity, calcium - dissolved, magnesium-dissolved, specific conductance in 4916J

- Alkalinity in 4926C.

Analytical results of the resampling conducted in November 2003, confirmed the statistically significant increase of bicarbonate alkalinity in wells 4916F, 4916H, and 4916J and biochemical oxygen demand in wells 4916D, 4916F, 4916G, and 4916H (SCS, December 22, 2003). Based on this information, pursuant to Section 20420(k)(7) Title 27 of the California Code of Regulations and SCS completed an ODR to determine the true nature of the statistical increases. In the March 2004 ODR (SCS) statistical exceedances for alkalinity are likely due to landfill gas and are not due to a release of liquids from the landfill. The verified increases for biochemical oxygen demand are also not due to release of liquids from the landfill, nor is the detection of this analyte gas related, but appears to be a field or laboratory artifact, most likely due to chemical or other interferences. The BLRC is currently in corrective action with respect to landfill gas impacts to groundwater and additional engineering controls are continuously being applied to increase the effectiveness of gas recovery and control.

5.0 WASTE DISPOSAL INFORMATION

This section summarizes waste disposal activities at the BRLC during the Winter 2003-Spring 2004 monitoring period and also provides annual reporting as required by the WDR. The information presented satisfies the waste disposal reporting requirements of RWQCB Monitoring and Reporting Program No. 6434 (WDR Order No. 94-059), and the facility's Solid Waste Facility Permits (19-AR-0004 and 19-AR-0008) issued by the City of Los Angeles. The information summarized below was obtained from the Monthly Waste Disposal Reports that are sent to the RWQCB or Monthly Tonnage Reports that are sent to the City of Los Angeles Environmental Affairs Department. Additional information was obtained verbally from personnel at BRLC.

5.1 WASTE DISPOSAL ACTIVITIES

A total of approximately 149,190 tons (or 198,440 cubic yards) of residential waste, commercial waste, industrial waste, and special waste (profiled contaminated soil and other profiled waste) were landfilled during the October 2003 through March 2004 (Winter 2003-Spring 2004).

Taking into account the receipt of the refuse for the October 2003 through March 2004, and aerial topography elevation data collected on November 18, 2003, the remaining operational life of BLRC is estimated at 17 months based on a refuse density of 1,500 pounds per cubic yard.

BLRC did not take any auto shredder waste between October 2003 and March 2004.

5.2 WASTE LOAD CHECKING PROGRAM

Load checking data sheets are maintained on file at the site and list the household hazardous wastes detected at the BRLC during the Winter 2003-Spring 2004 period. According to BLRC representatives, all employees of the Bradley Landfill are trained in the identification of wastes that are unacceptable for disposal at this facility. The training program consists of initial hire training and at least annual training thereafter. The training program consists of initial hire training and at least annual training thereafter. Unacceptable materials for disposal identified during load checking or otherwise found at the site are sent back with the transporter or disposed of at a licensed facility, as listed in Appendix G.

During the October 2003 through March 2004 period, the following items were identified and disposed offsite at one of the licensed disposal facilities listed in Appendix G in accordance with required procedures:

DESCRIPTION	ESTIMATED QUANTITY
Oily Debris	9 Gallons
Flammable Materials	23 Gallons
Paint Related Products	130 Gallons
Batteries	8

5.3 LOCATION OF SEEPS

No seeps were found at the site during the Winter 2003-Spring 2004 period. Consequently, a "Location of Seeps" map was not prepared.

5.4 ESTIMATED WATER USE

The BLRC estimates 10,566,248 gallons of water, supplied by City of Los Angeles Department of Water and Power, were used at the landfill between October 2003 and March 2004 for dust control and irrigation.

5.5 LEACHATE GENERATION AND DISPOSAL

Between October 2003 and March 2004, approximately 401,325 gallons of leachate were pumped from the leachate collection and removal sumps. Volumes of liquid removed from January 2003 through March 2004 are summarized below. All leachate produced at BLRC is disposed of through a discharge to the City of Los Angeles Sanitary Sewer System in accordance with Industrial Waste Permit W-430638.

SUMP ID	VOLUME (IN GALLONS) Removed											
	2003											
	Jan	Feb	March	April	May	June	July	Aug	Sep	Oct	Nov	Dec
A	0	0	0	0	0	0	0	0	9,000	0	0	0
B	18,000	28,800	33,200	39,600	28,800	43,200	10,800	32,400	39,600	43,200	33,800	21,600
C	0	0	0	4,500	5,100	1,650	6,050	3,200	5,250	3,725	500	0
D	0	0	0	0	0	1,000	0	0	0	500	0	400
E	0	2,700	0	0	2,700	7,200	12,595	0	1,800	0	0	0
F	0	0	0	0	0	50	0	0	0	0	0	525

SUMP ID	VOLUME (IN GALLONS) Removed		
	2004		
	Jan	Feb	March
A	0	0	0
B	50,400	14,400	9,400
C	10,425	37,400	22,675
D	525	0	0
E	5,425	15,125	44,625
F	650	23,075	62,950

Sump E was reinstalled and became operational 2/17/04. The RWQCB provided comments on the finishing of Sump F during a meeting on November 4, 2003. Sump F construction was completed in January 2004.

No liquid has been pumped from Sump A because of low liquid levels.

Sump D is slow to recharge and is not producing significant volumes of leachate.

5.6 RODENT CONTROL

The rodent control report for February 2004 is included in Appendix H. The October 2003 through January 2004 and March 2004 rodent control reports were unavailable at the time of report production and will be submitted under separate cover.

5.7 TRUST FUND

The City of Los Angeles has released Bradley Landfill from the closure and post-closure maintenance agreement and related trust fund. The City has determined that a separate fund duplicated coverage provided by a Letter of Credit (No. 1S1335057) issued by Fleet National Bank and submitted to the CIWMB. The CIWMB has reaffirmed with the City that the Letter of Credit meets the requirements of Title 27.

5.8 ANNUAL REPORTING REQUIREMENTS

The following subsections summarize the annual reporting requirements listed in the California Regional Water Quality Control Board, Los Angeles Region's Standard Provisions for Implementing Subtitle D which was included as an attachment to the BRLC WDR.

5.8.1 Graphical Representation of Analytical Data

Graphical presentation of the analytical data for BRLC monitoring wells is provided in Appendix F.

5.8.2 Tables and Disks of 2002 Data

Attached to the RWQCB copy of this report is a diskette including electronic copies of Tables 5, 6, and 7 which includes a summary of groundwater and leachate data collected during Winter 2002-Spring 2003 (SCS, April 2003), Summer-Fall 2003 (SCS, October 2003), and Winter 2003-Spring 2004 (SCS, April 2004) monitoring periods for BRLC.

5.8.3 Compliance Monitoring

BLRC is currently in compliance with the site WDR.

5.8.4 Location of Waste Filling

Copies of figures showing areas filled in the Year 2003, January 2004, February 2004, and March 2004 at BLRC are provided in Appendix I.

5.8.5 Summary of Changes to Monitoring Program

No changes have been made to monitoring program in 2003. However, as noted earlier, in May 2002, WMI received permission from the RWQCB to modify groundwater monitoring well sampling and reporting practices so that they comply with RWQCB, Revised Monitoring and Reporting Program (MRP) for Acceptance of Non-Hazardous Treated Auto Shredder Waste (TASW) for Bradley Landfill and Recycling Center, Sun Valley (RWQCB, November 1, 1996). On May 1, 2002, at the request of the RWQCB, WMI documented and submitted a notification of change to the RWQCB. This notification states that BLRC would commence with semi-annual sampling and monitoring of all site groundwater wells (4915A, 4915B, 4915C, 4915D, 4915E, 4915M, 4916G, 4916D, 4916F, 4916G, 4916H, 4916J, 4916L, 4926C, and 4916C), for MRP listed monitoring parameters and continue other activities, such as weekly and monthly groundwater level readings and leachate liquid level readings (WMI, May 1, 2002).

Sections 2 and 4 provide summary of current groundwater data and statistical evaluation of groundwater analytical data.

5.8.6 Evaluation of Leachate Control System

Leachate monitoring and extraction is conducted to ensure that leachate is managed in compliance with applicable regulatory requirements. During calendar year 2003, the total volume of leachate removed from BRLC was 441,445 gallons. As noted in the WMI letter dated January 7, 2002,

WMI proposed to implement corrective measures to repair the sumps that have been damaged or have impairments to the risers. Since that letter, WMI has completed the corrective measures proposed and, is able to measure leachate levels and pump liquids when detected in all LCRS sumps.

Please refer to Table 7 for a summary of analytical results for the annual sampling of leachate.

6.0 CONCLUSIONS

As noted in Section 4.0, for the Winter 2003-Spring 2004 period (October 1, 2003 through March 31, 2004), statistical charts showed apparent initial indication of a statistical increase in well 4916J for biochemical oxygen demand. A DQR was completed and verified the analytical results. The RWQCB was notified by phone on April 26, 2004 of the initial indication of statistical increase and a letter will be submitted to the RWQCB within 7 days of the notification. Resampling will be completed. All other correspondence regarding this possible statistical increase will be issued under separate cover.

Statistical increases were verified by a DQR and resampling was conducted after the previous monitoring event (August/September 2003) for wells 4916D, 4916F, 4916G, 4916H, 4916J and 4926C identifying initial statistical increases for one or more analytes. Analytes involved include alkalinity, biochemical oxygen demand, dissolved calcium, dissolved magnesium, and specific conductance. Resampling verified the initial statistical increases in several wells and an ODR was submitted to the RWQCB in March 2004. The ODR concluded that the verified statistical increases for alkalinity are likely due to landfill gas and are not due to a release of liquids from the landfill. The ODR also reported that the verified increases for biochemical oxygen demand are not due to release of liquids from the landfill, nor is it gas related, but appears to be related to a field or laboratory artifact, most likely due to chemical or other interferences. In most cases, concentrations for the above mentioned decreased in these wells during the Winter-Spring 2004 monitoring event. The BLRC is currently in corrective action with respect to landfill gas impacts to groundwater and additional engineering controls are continuously being applied to increase the effectiveness of gas extraction.

The WQPS for the facility was exceeded during the Winter 2003-Spring 2004 monitoring period for two constituents, vinyl chloride and TCE. Vinyl chloride was detected in four wells, 4916D, 4916F, 4916H, and 4916J, at values from an estimated concentration of 0.64 µg/l (below the reporting limit and above the method detection limit) up to 3.5 µg/l. The WQPS for vinyl chloride is 0.5 µg/l. These wells are all included in the downgradient corrective action program monitoring program and do not require resampling. As discussed earlier, upgradient well 4915M had TCE above the California MCL and site WQPS. As detailed in the SCS ODR dated October 2003, evidence from gas analyses and assessment of potential upgradient sources indicate it is likely that the TCE detected in the samples from well 4915M is due to migration from an off-site source. The TCE does not appear to have its source in the waste management units at BLRC and no further action is recommended.

Analytical results for well 4915M from the February 2004 sample indicate a TCE concentration of 45 µg/l, which is above the reporting limit, California MCL, and the WQPS. A groundwater resample and headspace sample were collected on March 24, 2004. The resample contained 15 µg/l of TCE, in addition the headspace sample contained 56 parts per billion by volume TCE which would be equivalent, at equilibrium, to a water concentration of 0.874 µg/l. This suggests that the source of TCE in groundwater is not from landfill gas but rather the TCE in the headspace vapor is due to outgassing from the groundwater.

This current information supports the conclusions of the ODR (SCS, October 2003) for TCE in well 4915M. This ODR concluded that the likely source of TCE detected in the samples from well 4915M was migration from an off-site source. The ODR further concluded that the TCE did not appear to have its source in the waste management units at Bradley Landfill and Recycling Center and no further action was recommended. The more recent data from well 4915M is consistent with the earlier results therefore no further action is recommended.

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FIGURES

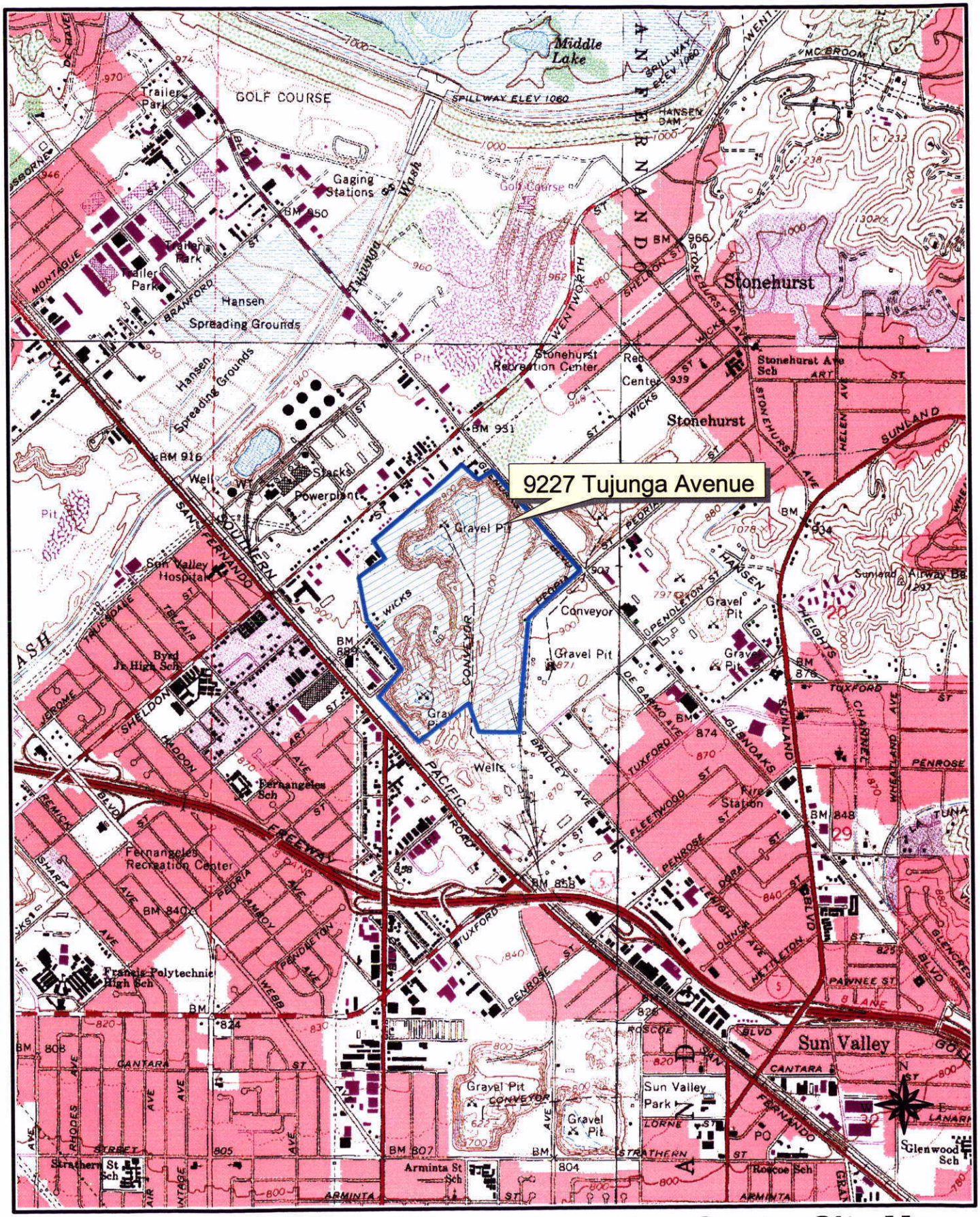

Figure 1. Bradley Landfill and Recycling Center Site Map

California -Los Angeles County
USGS Topographic Map 7.5 Minute Series
Van Nuys Quadrangle- 1996
Burbank Quadrangle- 1996
San Fernando Quadrangle- 1996
Sunland Quadrangle- 1996

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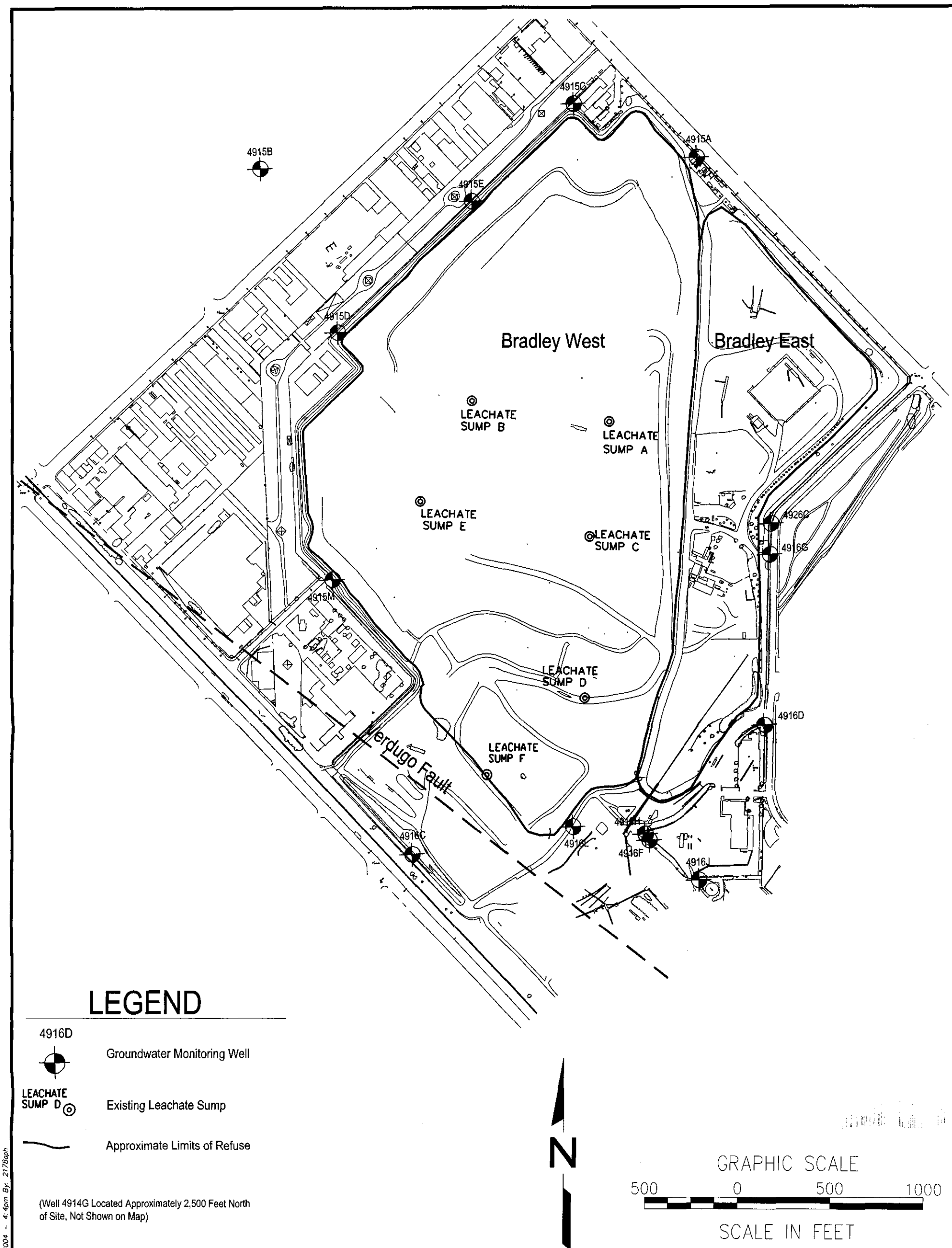
700 0 700 Meters



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SHEET TITLE: Facility Site Plan with Monitoring Locations

PROJECT TITLE: Bradley Landfill and Recycling Center
Sun Valley, California

PROJ. NO. 01201026.00	DWN. BY: APH	ACAD FILE:	SCALE: 1' = 500'	DATE April 2004	Figure 2
DSN. BY:	CHK. BY: TQS	APP. BY: KWG			

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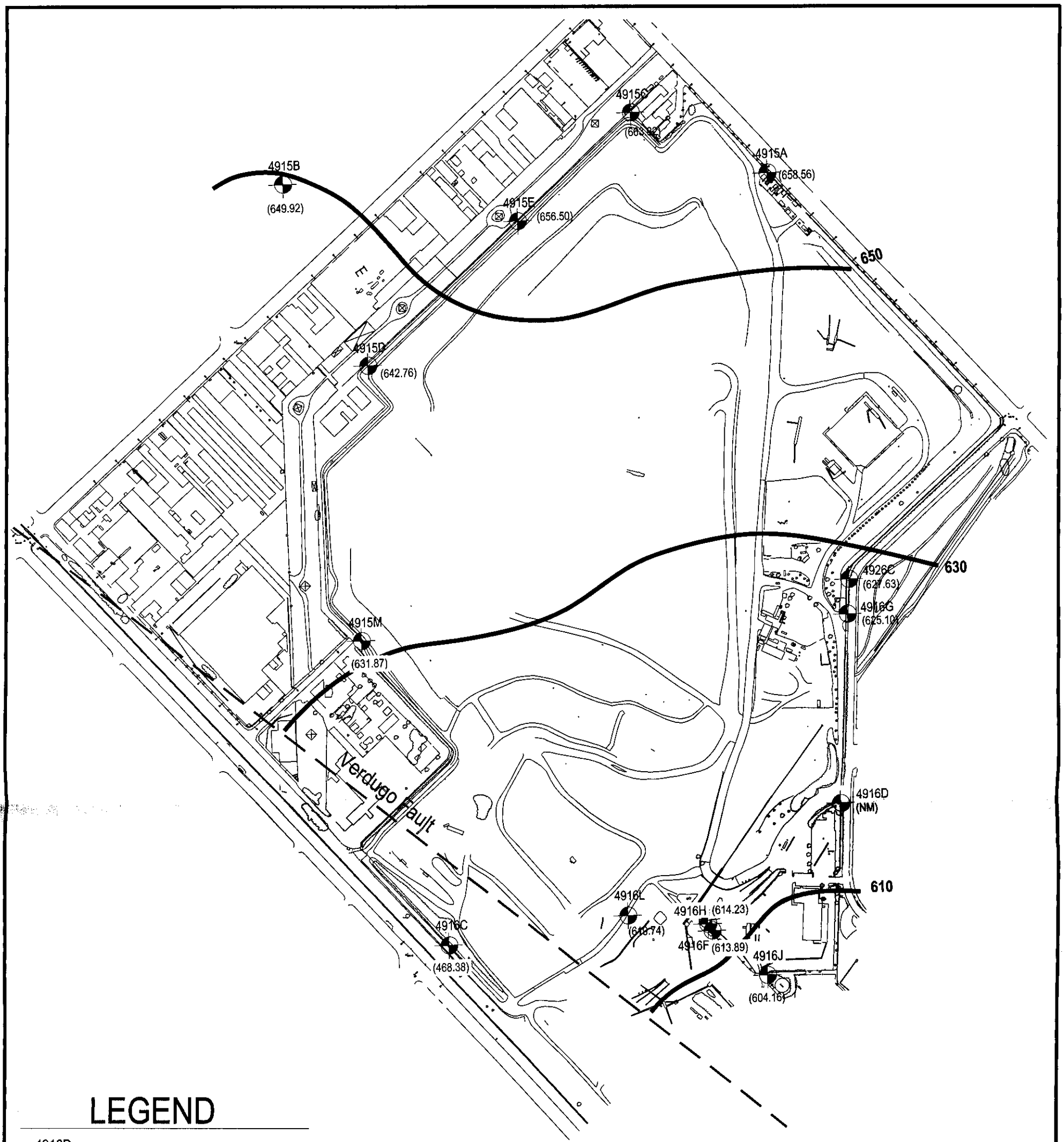

LEGEND

4916D

Groundwater Monitoring Well with

(641.76) Groundwater Elevation in Feet from February 12, 2004

Groundwater Contour

(NM) Not Measured

(Well 4914G Located Approximately 2,500 Feet North of Site, Not Shown on Map)

N

GRAPHIC SCALE

500 0 500 1000

SCALE IN FEET

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SHEET TITLE: Groundwater Elevations and Contours, February 2004

PROJECT TITLE: Bradley Landfill and Recycling Center
Sun Valley, California

PROJ. NO. 01201026.00	DWN. BY: APH	ACAD FILE:	SCALE: 1' = 500'	DATE April 2004	Figure 3
DSN. BY:	CHK. BY: TQS	APP. BY: KHL			

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TABLES

TABLE 1.
GROUNDWATER MONITORING WELL NETWORK
BRADLEY LANDFILL AND RECYCLING CENTER

Monitoring Point/Well No.	Upgradient (U) or Downgradient (D) Wells	Comment	Monitored Unit
4914G	U		Alluvium
4915A	U		Alluvium
4915B	U		Alluvium
4915C	U		Alluvium
4915D	U		Alluvium
4915E	U		Alluvium
4915M	U		Alluvium
4916C	Monitors Separate Water System	Former Production Well	West of Verdugo Fault
4916D	D	Former Production Well	Alluvium
4916F	D		Alluvium
4916G	D		Alluvium
4916H	D		Alluvium
4916J	D		Alluvium
4916L	D		Alluvium
4926C	D		Alluvium

TABLE 2.
WELL CONSTRUCTION DETAIL
BRADLEY LANDFILL AND RECYCLING CENTER

Monitoring Point/Well No.*	Total Depth of Boring (feet bgs)	Total Depth of Well Casing (feet bgs)	Reference Elevation (feet msl)	Approximate Screened Interval (feet bgs)	Casing Diameter (inches)	Dedicated Equipment	Ground Elevation Noted on Boring/Well Logs	Top of Casing Referenced on Boring/Well Logs
4915A	320	310	928.45	275-310	6	Piston	NA	NA
4915B	400	400	917.64	200-400	8	Bladder	NA	NA
4915C	285	280	927.90	175-280	4.5	Piston	NA	NA
4915D	327.5	324.5	915.86	174.5-324.5	4	Bladder	864.4	NA
4915E	328	325	927.19	175-345	4	Piston	923.9	926.9
4915M	280	276.3	898.12	190.8-275.8	4	Bladder	897.1	898.7
4926C**	282	280	901.21	185 to 280	4.5	Bladder	NA	NA
4914G**	NA	NA	950.61	NA	4	No Pump	NA	NA
4916C**	Unknown	500	877.49	300-500	14	Submersible	NA	NA
4916D	352	325	891.07	220-320	8	Submersible	NA	NA
4916F	259	254	860.10	169-254	4.5	Piston	NA	NA
4916G	364	363***	900.55	188-363***	4	Bladder	NA	NA
4916H	339	337***	860.23	172-337***	4	Piston	NA	NA
4916J	314	310	867.13	150-310	4	Bladder	864.4	867.13
4916L	244	239.4	860.90	223.9 233.9-238.9	4	Bladder	828.3	830.05

* Information from boring and well logs unless otherwise noted.
** = No boring logs available, information obtained from HardingESE (April 2001).
*** No well construction detail, information from Rust Environmental & Infrastructure (August 8, 1995).
# = Elevations from HardingESE (April 2001) and Waste Mangement, Inc.
bgs = below ground surface
msl = mean sea level
NA = Not available

TABLE 3.
DEPTH TO AND ELEVATION OF GROUNDWATER
BRADLEY LANDFILL AND RECYCLING CENTER

Well ID.	Date of Measurement	Reference Elevation (feet msl)	Depth to Water (feet)	Groundwater Elevation (feet msl)	Alert Levels (feet msl)
MW4915A	01/18/02	928.45	266.94	661.51	725
	02/15/02		267.68	660.77	
	03/22/02		267.56	660.89	
	04/17/02		268.54	659.91	
	05/17/02		270.47	657.98	
	06/21/02		274.44	654.01	
	07/18/02		277.57	650.88	
	08/02/02		279.37	649.08	
	09/05/02		282.83	645.62	
	10/11/02		286.03	642.42	
	11/14/02		288.10	640.35	
	12/12/02		289.48	638.97	
	01/09/03		289.92	638.53	
	02/07/03		289.35	639.10	
	03/13/03		282.97	645.48	
	04/15/03		266.27	662.18	
	05/15/03		254.94	673.51	
	06/19/03		244.47	683.98	
	07/17/03		241.45	687.00	
	08/14/03		245.71	682.74	
	09/18/03		254.60	673.85	
	10/23/03		260.17	668.28	
	11/13/03		263.80	664.65	
	12/18/03		268.92	659.53	
	01/15/04		270.75	657.70	
	02/12/04		269.89	658.56	
	03/25/04		262.76	665.69	
MW4915B	01/18/02	917.64	263.40	654.24	
	02/15/02		264.01	653.63	
	03/22/02		264.68	652.96	
	04/17/02		266.25	651.39	
	05/17/02		268.47	649.17	
	06/21/02		271.67	645.97	
	07/18/02		274.27	643.37	
	08/02/02		275.88	641.76	
	09/05/02		279.86	637.78	
	10/11/02		282.45	635.19	
	11/14/02		284.66	632.98	
	12/12/02		286.28	631.36	
	01/09/03		287.34	630.30	
	02/07/03		285.79	631.85	
	03/13/03		278.00	639.64	
	04/15/03		251.65	665.99	
	05/15/03		245.27	672.37	
	06/19/03		228.32	689.32	
	07/17/03		229.85	687.79	
	08/14/03		237.85	679.79	
	09/18/03		250.00	667.64	
	10/23/03		257.87	659.77	
	11/13/03		262.06	655.58	
	12/18/03		267.27	650.37	
	01/15/04		268.67	648.97	
	02/12/04		267.72	649.92	
	03/25/04		249.82	667.82	

Well ID.	Date of Measurement	Reference Elevation (feet msl)	Depth to Water (feet)	Groundwater Elevation (feet msl)	Alert Levels (feet msl)
MW4915C	01/18/02	927.90	261.75	666.15	
	02/15/02		262.03	665.87	
	03/22/02		262.04	665.86	
	04/17/02		263.30	664.60	
	05/17/02		265.38	662.52	
	06/21/02		269.63	658.27	
	07/18/02		272.93	654.97	
	08/02/02		274.80	653.10	
	09/05/02		278.10	649.80	
	10/11/02		Dry	N/A	
	11/14/02		Dry	N/A	
	12/12/02		Dry	N/A	
	01/09/03		Dry	N/A	
	02/07/03		Dry	N/A	
	03/13/03		275.66	652.24	
	04/15/03		255.30	672.60	
	05/15/03		246.92	680.98	
	06/19/03		235.00	692.90	
	07/17/03		233.49	694.41	
	08/14/03		240.08	687.82	
	09/18/03		250.10	677.80	
	10/23/03		256.11	671.79	
	11/13/03		259.08	668.82	
	12/18/03		264.10	663.80	
	01/15/04		265.30	662.60	
	02/12/04		264.08	663.82	
	03/25/04		252.77	675.13	
MW4915D	01/18/02	915.86	267.67	648.19	745
	02/15/02		268.94	646.92	
	03/22/02		269.67	646.19	
	04/17/02		270.88	644.98	
	05/17/02		272.71	643.15	
	06/21/02		275.72	640.14	
	07/18/02		278.59	637.27	
	08/02/02		280.20	635.66	
	09/05/02		283.60	632.26	
	10/11/02		286.96	628.90	
	11/14/02		289.63	626.23	
	12/12/02		291.34	624.52	
	01/09/03		292.48	623.38	
	02/07/03		292.98	622.88	
	03/13/03		287.86	628.00	
	04/15/03		267.68	648.18	
	05/15/03		258.20	657.66	
	06/19/03		244.61	671.25	
	07/17/03		241.57	674.29	
	08/14/03		244.80	671.06	
	09/18/03		253.97	661.89	
	10/23/03		261.75	654.11	
	11/13/03		266.06	649.80	
	12/18/03		271.20	644.66	
	01/15/04		273.34	642.52	
	02/12/04		273.10	642.76	
	03/25/04		263.50	652.36	

Well ID.	Date of Measurement	Reference Elevation (feet msl)	Depth to Water (feet)	Groundwater Elevation (feet msl)	Alert Levels (feet msl)
MW4915E	01/18/02	927.19	267.23	659.96	
	02/15/02		267.77	659.42	
	03/22/02		268.08	659.11	
	04/17/02		269.31	657.88	
	05/17/02		271.39	655.80	
	06/21/02		275.19	652.00	
	07/18/02		278.22	648.97	
	08/02/02		279.92	647.27	
	09/05/02		283.17	644.02	
	10/11/02		286.34	640.85	
	11/14/02		288.63	638.56	
	12/12/02		290.07	637.12	
	01/09/03		290.83	636.36	
	02/07/03		289.60	637.59	
	03/13/03		283.16	644.03	
	04/15/03		262.30	664.89	
	05/15/03		253.60	673.59	
	06/19/03		240.78	686.41	
	07/17/03		239.35	687.84	
	08/14/03		245.01	682.18	
	09/18/03		255.48	671.71	
	10/23/03		261.57	665.62	
	11/13/03		265.42	661.77	
	12/18/03		270.19	657.00	
	01/15/04		271.62	655.57	
	02/12/04		270.69	656.50	
	03/25/04		259.15	668.04	
MW4915M	01/18/02	898.12	259.59	638.53	
	02/15/02		261.40	636.72	
	03/22/02		262.35	635.77	
	04/17/02		263.43	634.69	
	05/17/02		265.07	633.05	
	06/21/02		267.64	630.48	
	07/18/02		270.29	627.83	
	08/02/02		271.87	626.25	
	09/05/02		275.33	622.79	
	10/11/02		Dry	N/A	
	11/14/02		Dry	N/A	
	12/12/02		Dry	N/A	
	01/09/03		Dry	N/A	
	02/07/03		Dry	N/A	
	03/13/03		Dry	N/A	
	04/15/03		271.11	627.01	
	05/15/03		258.08	640.04	
	06/19/03		246.78	651.34	
	07/17/03		239.65	658.47	
	08/14/03		239.89	658.23	
	09/18/03		245.80	652.32	
	10/23/03		253.50	644.62	
	11/13/03		257.00	641.12	
	12/18/03		262.62	635.50	
	01/15/04		265.49	632.63	
	02/12/04		266.25	631.87	
	03/25/04		262.97	635.15	

Well ID.	Date of Measurement	Reference Elevation (feet msl)	Depth to Water (feet)	Groundwater Elevation (feet msl)	Alert Levels (feet msl)
MW4926C	01/18/02	901.21	268.70	632.51	710
	02/15/02		270.45	630.76	
	03/22/02		271.46	629.75	
	04/17/02		272.46	628.75	
	05/17/02		273.91	627.30	
	06/21/02		276.42	624.79	
	07/18/02		278.85	622.36	
	08/02/02		280.33	620.88	
	09/05/02		Dry	N/A	
	10/11/02		Dry	N/A	
	11/14/02		Dry	N/A	
	12/12/02		Dry	N/A	
	01/09/03		Dry	N/A	
	02/07/03		Dry	N/A	
	03/13/03		Dry	N/A	
	04/15/03		Dry	N/A	
	05/15/03		271.17	630.04	
	06/19/03		260.39	640.82	
	07/17/03		253.80	647.41	
	08/14/03		252.20	649.01	
	09/18/03		256.47	644.74	
	10/23/03		262.20	639.01	
	11/13/03		265.71	635.50	
	12/18/03		270.27	630.94	
	01/15/04		272.75	628.46	
	02/12/04		273.58	627.63	
	03/25/04		272.40	628.81	
MW4914G	01/18/02	950.61	NM		
	02/15/02		NM		
	03/22/02		NM		
	04/17/02		NM		
	05/17/02		NM		
	06/21/02		NM		
	07/18/02		NM		
	08/02/02		NM		
	09/05/02		NM		
	10/11/02		NM		
	11/14/02		NM		
	12/12/02		NM		
	01/09/03		Dry	N/A	
	02/07/03		NM		
	03/13/03		NM		
	04/15/03		NM		
	05/15/03		NM		
	06/19/03		NM		
	07/17/03		NM		
	08/14/03		NM		
	09/18/03		NM		
	10/23/03		NM		
	11/13/03		NM		
	12/18/03		NM		
	01/15/04		NM		
	02/12/04		NM		
	03/25/04		NM		

Well ID.	Date of Measurement	Reference Elevation (feet msl)	Depth to Water (feet)	Groundwater Elevation (feet msl)	Alert Levels (feet msl)
MW4916C	01/18/02	877.49	391.50	485.99	
	02/15/02		391.35	486.14	
	03/22/02		389.83	487.66	
	04/17/02		388.90	488.59	
	05/17/02		388.03	489.46	
	06/21/02		388.20	489.29	
	07/18/02		389.37	488.12	
	08/02/02		390.45	487.04	
	09/05/02		394.25	483.24	
	10/11/02		399.00	478.49	
	11/14/02		402.29	475.20	
	12/12/02		404.34	473.15	
	01/09/03		406.00	471.49	
	02/07/03		408.53	468.96	
	03/13/03		407.35	470.14	
	04/15/03		403.90	473.59	
	05/15/03		400.97	476.52	
	06/19/03		398.20	479.29	
	07/17/03		397.97	479.52	
	08/14/03		398.94	478.55	
	09/18/03		401.55	475.94	
	10/23/03		404.23	473.26	
	11/13/03		405.06	472.43	
	12/18/03		407.05	470.44	
	01/15/04		407.87	469.62	
	02/12/04		409.11	468.38	
	03/25/04		409.80	467.69	
MW4916D	01/18/02	891.07	NM		
	02/15/02		NM		
	03/22/02		NM		
	04/17/02		NM		
	05/17/02		NM		
	06/21/02		NM		
	07/18/02		NM		
	08/02/02		NM		
	09/05/02		NM		
	10/11/02		NM		
	11/14/02		NM		
	12/12/02		NM		
	01/09/03		NM		
	02/07/03		NM		
	03/13/03		NM		
	04/15/03		NM		
	05/15/03		NM		
	06/19/03		NM		
	07/17/03		NM		
	08/14/03		NM		
	09/18/03		NM		
	10/23/03		NM		
	11/13/03		NM		
	12/18/03		NM		
	01/15/04		NM		
	02/12/04		NM		
	03/25/04		NM		

Well ID.	Date of Measurement	Reference Elevation (feet msl)	Depth to Water (feet)	Groundwater Elevation (feet msl)	Alert Levels (feet msl)
MW4916F	01/18/02	860.19	243.00	617.19	690
	02/15/02		244.88	615.31	
	03/22/02		247.17	613.02	
	04/17/02		247.50	612.69	
	05/17/02		248.28	611.91	
	06/21/02		251.43	608.76	
	07/18/02		255.40	604.79	
	08/02/02		Dry	N/A	
	09/05/02		Dry	N/A	
	10/11/02		Dry	N/A	
	11/14/02		Dry	N/A	
	12/12/02		Dry	N/A	
	01/09/03		Dry	N/A	
	02/07/03		Dry	N/A	
	03/13/03		Dry	N/A	
	04/15/03		Dry	N/A	
	05/15/03		254.41	605.78	
	06/19/03		243.88	616.31	
	07/17/03		234.79	625.40	
	08/14/03		231.65	628.54	
	09/18/03		233.80	626.39	
	10/23/03		238.98	621.21	
	11/13/03		240.86	619.33	
	12/18/03		244.10	616.09	
	01/15/04		246.47	613.72	
	02/12/04		246.30	613.89	
	03/25/04		249.33	610.86	
MW4916H	01/18/02	860.23	243.16	617.07	
	02/15/02		245.03	615.20	
	03/22/02		247.07	613.16	
	04/17/02		247.95	612.28	
	05/17/02		247.88	612.35	
	06/21/02		249.92	610.31	
	07/18/02		255.44	604.79	
	08/02/02		257.20	603.03	
	09/05/02		259.60	600.63	
	10/11/02		263.42	596.81	
	11/14/02		264.92	595.31	
	12/12/02		267.25	592.98	
	01/09/03		267.85	592.38	
	02/07/03		268.15	592.08	
	03/13/03		267.34	592.89	
	04/15/03		259.21	601.02	
	05/15/03		254.28	605.95	
	06/19/03		243.84	616.39	
	07/17/03		234.81	625.42	
	08/14/03		231.45	628.78	
	09/18/03		234.10	626.13	
	10/23/03		238.45	621.78	
	11/13/03		241.00	619.23	
	12/18/03		243.96	616.27	
	01/15/04		246.22	614.01	
	02/12/04		246.00	614.23	
	03/25/04		248.98	611.25	

Well ID.	Date of Measurement	Reference Elevation (feet msl)	Depth to Water (feet)	Groundwater Elevation (feet msl)	Alert Levels (feet msl)
MW4916G	01/18/02	900.55	270.78	629.77	
	02/15/02		272.70	627.85	
	03/22/02		273.65	626.90	
	04/17/02		274.58	625.97	
	05/17/02		275.97	624.58	
	06/21/02		278.41	622.14	
	07/18/02		280.97	619.58	
	08/02/02		282.50	618.05	
	09/05/02		285.53	615.02	
	10/11/02		288.90	611.65	
	11/14/02		291.30	609.25	
	12/12/02		292.95	607.60	
	01/09/03		294.20	606.35	
	02/07/03		294.85	605.70	
	03/13/03		293.85	606.70	
	04/15/03		285.18	615.37	
	05/15/03		274.95	625.60	
	06/19/03		263.35	637.20	
	07/17/03		256.28	644.27	
	08/14/03		254.43	646.12	
	09/18/03		258.30	642.25	
	10/23/03		264.05	636.50	
	11/13/03		267.61	632.94	
	12/18/03		272.25	628.30	
	01/15/04		274.60	625.95	
	02/12/04		275.45	625.10	
	03/25/04		274.65	625.90	
MW4916J	01/18/02	867.13	263.47	603.66	
	02/15/02		264.65	602.48	
	03/22/02		265.27	601.86	
	04/17/02		267.87	599.26	
	05/17/02		264.25	602.88	
	06/21/02		268.40	598.73	
	07/19/02		270.48	596.65	
	08/02/02		281.56	585.57	
	09/05/02		282.85	584.28	
	10/11/02		285.65	581.48	
	11/14/02		287.40	579.73	
	12/12/02		288.77	578.36	
	01/09/03		289.47	577.66	
	02/07/03		285.47	581.66	
	03/13/03		288.40	578.73	
	04/15/03		282.20	584.93	
	05/15/03		281.94	585.19	
	06/19/03		272.25	594.88	
	07/17/03		263.88	603.25	
	08/14/03		257.73	609.40	
	09/18/03		259.28	607.85	
	10/23/03		263.04	604.09	
	11/13/03		265.15	601.98	
	12/18/03		265.10	602.03	
	01/15/04		267.54	599.59	
	02/12/04		262.97	604.16	
	03/25/04		273.52	593.61	

Well ID.	Date of Measurement	Reference Elevation (feet msl)	Depth to Water (feet)	Groundwater Elevation (feet msl)	Alert Levels (feet msl)
MW4916L	01/18/02	860.90	236.26	624.64	
	02/15/02		237.80	623.10	
	03/22/02		239.59	621.31	
	04/17/02		240.32	620.58	
	05/17/02		240.71	620.19	
	06/21/02		244.30	616.60	
	07/18/02		246.50	614.40	
	08/02/02		248.20	612.70	
	09/05/02		250.95	609.95	
	10/11/02		254.77	606.13	
	11/14/02		257.25	603.65	
	12/12/02		259.27	601.63	
	01/09/03		260.61	600.29	
	02/07/03		261.72	599.18	
	03/13/03		259.58	601.32	
	04/15/03		252.69	608.21	
	05/15/03		244.43	616.47	
	06/19/03		233.75	627.15	
	07/17/03		225.24	635.66	
	08/14/03		222.82	638.08	
	09/18/03		225.40	635.50	
	10/23/03		230.27	630.63	
	11/13/03		233.47	627.43	
	12/18/03		238.07	622.83	
	01/15/04		240.30	620.60	
	02/12/04		241.16	619.74	
	03/25/04		241.83	619.07	

feet msl = feet above mean sea level

NM = Not Measured. No access to well column for 4916D (production well).
Gate locked that provides access to well 4914G.

NA = Not applicable

Alert levels = Groundwater elevation above which Upper Los Angeles River Area Watermaster, Los Angeles Department of Public Works, and Los Angeles Department of Water and Power are notified. Alert levels are approximately 25 feet below base of landfill.

TABLE 4.
MONITORING PARAMETERS
BRADLEY LANDFILL AND RECYCLING CENTER

Parameters	Analytical Methods	Reporting Limit
Semi-Annual Sampling Parameters:		
Total Alkalinity	310.1	5.0 mg/L
Carbonate Alkalinity	310.1	5.0 mg/L
Bicarbonate Alkalinity	310.1	5.0 mg/L
Biochemical Oxygen Demand	405.1	See Lab Report
Chemical Oxygen Demand	410.4	8.0 mg/L
Chloride	300.0A	See Lab Report
Fluoride	300.0A	1.0 mg/L
5 Metals (Dissolved)	6010B	See Lab Report
Nitrate, Nitrogen	300.0A	0.5 mg/L
Sulfate	300.0A	See Lab Report
Total Organic Carbon	415.1	1.0 mg/L
Total Organic Halogens	9020B	30.0 ugL
Total Dissolved Solids	160.1	10.0 mg/L
Volatile Organics (VOCs)	8260B	See Lab Report
Annual Sampling Parameters:		
Semi-Volatile Organics (SVOCs)	8270	See Lab Report
Total Cyanide	9012A	0.010 mg/L
Total Sulfide	9030B/9034	4 mg/L
17 Metals (Total)	6010B/7470A	See Lab Report

ug/L = micgrams per liter
mg/L = milligrams per liter
Leachate samples were analyzed for 22 total metals.

TABLE 5.
GROUNDWATER SAMPLE RESULTS FOR GENERAL CHEMISTRY
BRADLEY LANDFILL AND RECYCLING CENTER, CITY OF LOS ANGELES, CA

Well Identification	Date Sampled	Field Parameters				General Chemistry																		
		Field pH	Field EC	Field Turbidity	Field Temperature	Specific Conductance	Bicarbonate Alkalinity	Total Alkalinity	Biochemical Oxygen Demand	Calcium, dissolved	Chemical Oxygen Demand	Chloride	Fluoride	Iron, dissolved	Magnesium, dissolved	Nitrate-Nitrite or Nitrate,Nitrogen**	Potassium, dissolved	Sodium, dissolved	Sulfate	Total Dissolved Solids	Total Organic Carbon 1	Total Organic Carbon 2	Total Organic Halogens 1	Total Organic Halogens 2
		pH units	µmhos/cm	NTUs	°C	µmhos/cm	mg/L																	
UPGRADIENT WELLS*																								
4915A	03/08/01	8.53	0.36 (sic)	16.5	18.7	400	NA	139	<2	44.8	<8	14.9	0.33 A	0.0523 A	12.9	1.4	3.19 A	24.9	51.6 Q	292	<1	<1	<0.03	<0.03
	08/21/01	7.25	436	40.0	20.5	NA	184	184	<2	55.1	<8	18.1	0.74 A	0.0115 A	15.3	0.28	3.89 A	28.1	51.7 Q	316	0.46	0.48	<0.03	<0.03
	02/21/02	7.29	516	NM	21.5	NA	158	158	<2	49	<8	22.6	0.75 A	0.0584 A	13.7	0.45 C	3.30 A	27.5	49.0 Q	301	0.50 A C	0.51 A C	0.0049 A	<0.03
	08/06/02	7.49	583	NM	21.1	460 C	130	130	<2	51	11 C	42	0.68 A	0.076 A	15	0.48 A	4.20 A	32	51 Q	300 C	0.45 A	0.36 A	0.009 A	<0.03
	02/10/03	7.70	441	25.0	22.9	380 C	120	120	<2	44	5.5 A	34 C	0.70 A	0.042 A	12	0.45 A	3.5 A	27	49 Q	250	0.35 A	0.45 A	<0.03	<0.03
	09/25/03	8.14	522	0.0	21.9	500	170	170	<2	56.0 L	4.0 A	24	0.74 A	0.13	15	1	3.9 A	28	54 Q	320	<1	<1	<0.03	<0.03
	09/25/03 D	8.14	522	0.0	21.9	430	170	170	<2	55.0 L	<8	24	0.74 A	0.10	15	1	3.3 A	28	55 Q	330	<1	<1	<0.03	<0.03
	02/16/04	7.58	558	20.0	20.8	500 C	190	190	<2	60	<8	27	0.59 A	0.12	17	0.53	4 A	30	48 Q	340	<1	<1	<0.03	<0.03
4915B	03/13/01	7.19	375	3.6	18.7	468	NA	180	<2	50	<8	14.8	0.63 A	<0.1	14	0.86	2.86 A	24.7	48.2	300	<1	<1	<0.03	<0.03
	08/16/01	7.40	336	1.3	17.9	NA	153	153	<2	44.2	<8	16.2	0.73 A	<0.1	11.5	0.98	2.97 A	28.4	44	468	<1	<1	<0.03	<0.03
	02/22/02	7.92	390	2.7	17.1	NA	156	156	<2	44.3	<8	12.1	0.73 A	<0.1	12	0.76 C	2.66 A	23.4	38.3	275	1.0	1.1	<0.03	<0.03
	02/22/02 D	7.92	390	2.7	17.1	NA	155	155	<2	45	<8	12.3	0.74 A	<0.1	12.1	0.73 C	3.09 A	24.1	38.3	267	0.54 A	0.49 A	<0.03	<0.03
	08/27/02	7.26	578	1.0	21.3	580 C	230	230	<2	74	<8	26	0.62 A	0.024 A	20	0.87	3.90 A	31	54 Q	370	0.77 A	0.77 A	<0.03	<0.03
	02/18/03	7.74	680	0.0	18.1	690 C	200	200	<2	90	5.5 A	70 Q	0.52 A	0.057 A	25	2.5	4.3 A	34	90 Q	480	0.57 A	<1	<0.03	0.012 A
	09/26/03	8.49	463	0.0	18.6	420	170	170	<2	51.0 L	<8	16 C	0.65 A	<0.1	13	1.1	2.7 A	24	50 C	290	0.97 A	0.98 A	0.0088 A	<0.03
	02/27/04	7.76	445	1.5	17.4	440 C	160	160	<2	47 C	<8	13	0.66 A	<0.1	12	0.5	3.3 A	24	41	280 C	<1	<1	<0.03	<0.03
4915C	03/08/01	7.45	0.34 (sic)	1.5	20.4	410	NA	139	<2	42.5	5.5 A	14.1	0.59 A	0.165	11.8	1	2.86 A	25.2	51.1 Q	282	0.61 A	0.39 A	0.0014 A	<0.03
	08/21/01	7.40	423	1.0	21.3	NA	174	174	<2	52.8	<8	19	0.90 A	<0.1	14	0.1	3.62 A	28.9	48.2 Q	301	<1	<1	<0.03	<0.03
	02/20/02	7.25	523	NM	22.0	NA	145	145	<2	47.9	<8	26.7	0.92 A	0.0296 A	12.7	0.73 A	3.86 A	28.2	52.1 Q	300	0.78 A	<1	<0.03	<0.03
	08/02		NM			NS = Not practical to sample (By end of August 2002 less then 1.5 feet of water with Piston Pump)																		
	02/07/03		NM			Dry (Water later encountered in casing in March 2003 but still not possible to sample because of low water volume)																		
	09/25/03	7.50	503	NM	22.4	420	160	160	<2	52 L	<8	24	0.78 A	0.034 A	14	0.48 A	3.0 A	28	53 Q	310	0.62 A	<1	<0.03	<0.03
	02/16/04	7.51	575	0.10	21.5	560 C	190	190	<2	61	<8	30	0.66 A	<0.1	17	0.83	4 A	32	50 Q	320	0.61 A	<1	<0.03	<0.03
4915D	03/09/01	7.50	456	2.9	14.9	556	NA	396	<2	63.9	<8	16.5	0.54 A	0.0495 A	18.3	1.9	3.1 A	27.9	52.8 Q	362	<1	<1	<0.03	<0.03
	08/21/01	7.40	359	1.2	17.3	NA	164	164	<2	53	<8	14.6	0.71 A	0.0082 A	14	1.8	3.64 A	25.9	46.6	288	0.41 A	0.43 A	.0044 AC	<0.03
	02/20/02	7.16	418	NM	17.8	NA	156	156	<2	44.4	<8	12.8	0.75 A	0.0225 A	11.9	0.70 A	2.67 A	23.5	41.7	273	0.58 A	0.70 A	<0.03	<0.03
	08/08/02	8.23	474	241(sic)	18.7	440 C	170	170	<2	52	4.8 A	19	0.71 A	0.050 A	14	0.50	3.70 A	27	47.0	300 C	0.61 AC	0.68 AC	<0.03	<0.03
	03/31/03	6.05	519	2.4	22.0	430 C	160	160	<2	60	3.4 A	35	0.60 A	<0.1	17	0.84	4.3 A	30	49 Q	330 C	0.51 A	<1.0	<0.03	<0.03
	08/28/03	7.28	508	2.6	22.2	470 C	170	170	<2	57.0 C	<8	20	0.65 A	<0.1	16	2	3.4 A	27	50 Q	320	0.72 AC	0.77 AC	<0.03	<0.03
	02/17/04	7.56	483	0.0	23.2	490 C	170	170	<2	47	<8	15	0.54 A	<0.1	13	1.2	3.1 A	24	47	280	<1.0	<1.0	<0.03	<0.03
4915E	03/09/01	7.29	399	7.2	20.3	460	NA	276	<2	48.4	<8	20.0	0.69 A	0.0513 A	13.5	3.5	3.01 A	24.9	56.8 Q	405	0.53 A	0.42 A	<0.03	<0.03
	08/21/01	7.20	430	2.1	21.1	NA	173	173	<2	55.3	<8	17.8	0.73 A	<0.1	14.6	0.88	3.88 A	26	48.7 Q	315	<1	<1	<0.03	<0.03
	02/21/02	7.09	500	NM	21.0	NA	153	153	<2	46.5	<8	22.9	0.79 A	0.0362 A	12.5	0.46 C	3.33 A	26.6	49.8 Q	298	0.46 AC	0.70 AC	0.0138 A	<0.03
	08/08/02	8.16	513	0.6	23.7	460 C	140	140	<2	52	<8	38	0.81 A	0.061 A	14	0.98	4.30 A	30	53 Q	340 C	0.69 AC	0.91 AC	<0.03	<0.03
	03/12/03	8.15	620	1.0	21.8	610 C	140	140	<2	70	10	45	0.59 A	0.041 A	19	6.90	4.6 A	33	100 Q	410 C	0.69 A	0.67 A	<0.03	<0.03
	09/25/03	7.98	521	2.7	24.6	440	170	170	<2	55.0 L	<8	23	0.71 A	0.074 A	14	1.5	3.6 A	29	52 Q	320	<1	<1	<0.03	<0.03
	02/16/04	7.4	519	0.8	22.8	530 C	160	160	<2	54	<8	25	0.63 A	0.027 A	15	0.84	3.9 A	30	49 Q	310	<1	<1	<0.03	<0.03
4915M	03/13/01	7.15	438	0.8	19.8	532	NA	164	<2	50.7	<8	30.8	0.55 A	<0.1	14.4	2	3.23 A	33.3	66.2 A	363	<1	<1	<0.03	<0.03
	03/13/01 D	7.15	438	0.8	19.8	536	NA	164	<2	52.7	<8	29.6	0.47 A	<0.1	15	1.9 Q	3.73 A	34.8	64.2 A	358	<1	<1	<0.0057 A	<0.0050 A
	08/14/01	7.00	459	1.0	20.1	NA	163	163	<2	63	<8	43	0.61A	<0.1	17.2	1.3	3.84 A	34.9	81.0 Q	405	<1	<1	0.0073 A	0.0061 A
	02/21/02	7.90	639	2.5	18.3	NA	162	162	<2	66.3	<8	48.2 Q	0.55 A	<0.1	17.9	2.0 C	3.48 A	31.3	88.8 Q	415	0.66 AC	0.53 AC	0.0056 A	<0.03
	08/27/02	7.07	554	0	23.4	560 C	150	150	<2	62	6.2 A	38	0.61 A	<0.1	17	2	3.70 A	33	71 Q	350	0.81 A	0.68 A	0.012 A	0.012 A
	02/07/03		NM												Dry									
	06/03/03	7.38	530	1.0	19.0	400 C	180	180	<2	53.0 C	<8	19 C	0.37 AC	<0.1	14	1.2	3.20 AL	28	48	300	0.46 A	<1	0.012 A	0.012 A
	08/28/03	7.25	638	2.5	20.0	590 C	180	180	<2	65.0 C	<8	43	0.55 A	<0.1	18	1.5	4.0 A	33	62 Q	380	0.60 AC	0.62 AC	0.012 A	0.0095 A
	02/17/04	7.55	711	0.4	19.5	780 C	180	180	<2	71	<8	55 Q	0.46 A	<0.1	20	2.1	3.7 A	31	81 Q	410	<1.0	<1.0	0.033 C	0.033 C
DOWNGRADIENT WELLS*																								
4916D	03/12/01	6.92	426	25.3	21.4	501	NA	186	<2	59	6.8 A	17.8	0.54 A	0.191	16.6	0.60	3.76 A	27.7	52.6 Q	335	0.67 A	0.68 A	<0.03	0.0058 A
	06/07/01	7.10	640	13.60	3.6	NA	231	231	6.7	67.3	5.0 A	19.2	0.40 A	NA	18.7	0.35	4.02 A	27.2	58.2 Q	380	<1	<1	0.0074 A	0.0069 A
	08/21/01	6.37	472	18.20	21.4	NA	193	193	2.4	61.4	<8	18.8	0.54 A	0.0697 AC	16.7	0.45	4.06 A	26.4	52.8 Q	339	<1	0.40 A	0.0066 AC	0.0091 AC
	12/05/01	7.48	534	8.20	21.0	NA	180	180 C	<2	50.4	4.7 A	18.9 G	0.48 A	1.46	13.8	0.60	3.57 A	23.5	50.7 Q	314	0.38 A	<1	0.0060 A	<0.03
	02/22/02	7.60	476	21.0	21.2	NA	180	180	<2	53.6	<8	19.2	0.49 A	1.02	15	0.21 C	3.75 A	26.4	50.7 Q	329	0.48 A	0.39 A	<0.03	<0.03
	08/14/02	6.93	499	2.0	22.5	440 C	180	180	<2	53.0	5.4 A	20	0.61 A	0.83	15	0.45 A	4.00 A	27	49 Q	310	1.4	1.3	<0.03	<0.03
	08/14/02 D	6.93	499	2.0	22.5	450 C	180	180	<2	53.0	<8	20	0.59 A	0.67	15	0.45 A	3.80 A	27	49 Q	300	0.90 A	0.98 A	<0.03	<0.03
	03/04/03	6.50	510	6.4	22.2	530 J	200	200	<2	62.0 C	<8	24	0.48 A	0.68	17	0.38 A	4.7 A	29	47 Q	340	0.48 A	0.7 A	<0.03	<0.03
	09/26/03	7.21	684	0.0	22.0	640	260	260	10	77.0 L	3.0 A	33 C	0.34 A	2.1	21	<0.5	3.7 A	28	55 CQ	430	0.85 A	0.65 A	0.016 A	0.015 A
	02/27/04	7.23	589	50.0	19.7	580 C	190	190	4	63 C	<8	27	0.44 A	2.9	17	0.13 A	4.1 A	25	58 Q	340 C	<1	<1	0.007 A	<0.03
4916F	03/09/01	7.00	511	3.11	15.8	610	NA	143	<2	72.2	<8	15.5	0.45 A	0.06 A	20.9	8.0	3.99 A	28.6	49.3 Q	405	<1	<1	<0.03	<0.03
	06/06/01	5.60	698	1.56	8.0	NA	275	275	7.2	82.5	6.0 A	18.4	0.30 A	NA	23	0.14	4.63 A	29.3	57.9 Q	436	<1	<1	0.011 A*	0.009 A*
	08/16/01	6.26	630	1.40	18.6	NA	355	355	<2	97.4	<8	20.7	0.48 A	0.0105 A	26.9	0.20	5.28	31.7	58.0 Q	505	<1	<1	0.0084 AC	0.0102 AC
	12/04/01	7.29	572	NM	18.0	NA	225	225	2.5	61.8	<8	17.9	0.37 A	0.0468 A	17	1.10	3.97 A	23.7	49.2 Q	357	0.38 A C	0.45 AC	0.0034 A	0.0069 A
	02/19/02	8.49	583	1.00	17.9	NA	242	242	<2	66.5	<8	16.2	0.44 A	0.0499 A	18.6	0.66	4.33 A	26.4	47.2 A	363	0.78 A	0.52 A	<0.03	<0.03
	08/02		NM												Dry									
	02/07/03		NM												Dry									
	09/11/03	7.97	792	0	20.4	780	340	340	22	93	<8	24	0.34 A	0.070 A	27	<0.5	5.4	31	52 Q	480	<1	<1	0.018 AC	0.018 AC
	03/01/04	7.05	751	0.8	18.8	740	310	310	5.2	90 C	<8	23 C	0.29 A	0.072 A	25	0.09 A	4.6 A	28	52 Q	440	<1	<1	<0.03	<0.03
4916G	03/08/01	7.30	473	5.80	18.4	513	NA	208	<2	61.6	6.5 A	15.7	0.35 A	0.0687 A	17.6	0.066 A	3.93 A	27.6	53.6	359	0.61 A	<1	0.0087 A	0.0053 A
	06/07/01	6.31	615	3.50	1.0	NA	194	194	5.2	62.4	4.7 A	19.2	0.39 A	NA	17.3	0.036 A	4.21 A	26.3	60.6 Q	359	<1	<1	0.0047 A	0.0052 A
	08/21/01	6.75	470	1.60	21.4	NA	191	191	<2	57.7	<8	19.5	0.56 A	0.0065 A	15.9	<0.1	3.42 A	22.4	53.8 Q	329	0.43 A	0.41 A	<0.03	.0045 AC
	12/27/01	7.76	540	0.80	22.9	NA	176	176 C	<2	46.9	<8	18.3	0.5 A	<0.1	13.5	0.75	3.16 A	23.1	56.5 Q	274	0.87 A,C	0.74 AC	0.0028 A	0.0054 A
	02/20/02	7.69	467	1.80	22.1	NA	169	169	<2	50.1	<8	19.8	0.56 A	<0.1	13.9	0.11 C	3.61 A	24.3	49.3 Q	332	0.76 A	0.72 A	<0.03	<0.03
	08/08/02	6.97	NM	NM	24.7	450 C	160	160	<2	53	3.9 A	25	0.56 A	0.044 A	15	0.24 A	4.30 A	28	52 Q	310 C	0.96 AC	0.75 AC	<0.03	<0.03
	02/17/03	7.34	482	0	22.8	430 C	150	150	<2	53	<8	32	0.59 A	<0.1	15	0.74	3.5 A	27	49 Q	260	<1	<1	<0.03	<0.03
	02/17/03 D	7.34	482	0	22.8	420 C	150	150	<2	52	<8	33	0.58 A	<0.1	14	0.74	3.3 A	26	48 Q	290	<1	<1	<0.03	<0.03
	08/28/03	6.77	699	3.0	24.8	650 C	270	270	3.7	83.0 C	<8	28	0.50 A	0.021 A	24	<0.5	5.6	31	58 Q	440	0.77 AC	0.76 AC	0.0081 A	0.010 A
	02/26/04	7.18	539	0	23.4	600 C	180	180	<2	61.0 C	<8	27	0.46 A	0.039 A	17	<0.5	4.2 A	27	50 Q	350 C	0.58 A	0.7 A	<0.03	<0.03
4916H	03/09/01	6.97	464	2.70	16.6	561	NA	243	2.1	61.4	<8	15.8	0.47 A	0.0572 A	17.8	8.1 Q	3.62 A	25.9	48.5 Q	371	<1	<1	<0.03	<0.03
	06/06/01	5.73	726	1.50	9.9	NA	285	285	5.2	86.7	5.7 A	18.7	0.31 A	NA	24	0.23	4.94 A	31.1	55.7 Q	452	0.59 A	0.60 A	0.0057 A	0.0061 A
	08/16/01	6.30	378	1.00	18.8	NA	304	304	<2	86.9	<8	19.6	0.48 A	<0.1	24	0.32	5.18	32.2	56.8 Q	291	<1	<1	0.0076 AC	0.0042 AC
	12/04/01	7.40	546	NM	17.8	NA	231	231	<2	59.2	5.0 A	15.7	0.38 A	0.0366 A	16.3	1.1	3.64 A	23.4	50.1 Q	353	0.53 AC	0.53 AC	0.011 A	0.0084 A
	02/19/02	8.64	562	1.00	17.7	NA	231	231	<2	63.9	<8	16.2	0.44 A	0.159	17.8	0.78	3.92 A	25.1	50.0 Q	368	0.56 A	<1	<0.03	<0.03
	08/06/02	6.74	639	14.0	18.6	610 C	270	270	<2	74	7.6 AC	19	0.49 A	0.063 A	22	0.30 A	4.90 A	31.0	49 Q	380 C	0.45 A	0.43 A	<0.03	<0.03
	03/05/03	7.53	502	1.8	17.5	580 C	240	240	<2	72 C	<8	22	0.40 A	0.046 A	21	<0.5	5.2	33.0	49 Q	330	0.32 A	<1	<0.03	<0.03
	09/11/03	7.84	783	1	19	770	330	330	26	90	<8	25	0.40 A	0.073 A	26	<0.5	5.3	30	52 Q	470	0.92 A	<1	0.015 AC	0.015 AC
	03/01/04	7.09	739	1	18.1	730	300	300	6.9	85 C	<8	24 C	0.3 A	0.063 A	23	<0.5	4.4 A	27	53 Q	440	<1	<1	<0.03	<0.03
4916J	03/14/01	6.87	474	2.20	19.8	558	NA	236	<2	64.8	<8	15.4	0.40 A	<0.1	19.1	0.076	4.29 A	28.8	45.5 Q	378	0.87 A	0.59 A	0.009 A	<0.03
	06/12/01	7.06	2650	0.70	2.3	NA	317	317	7.3	104	12.2	21.0	0.33 A	NA	28	0.73	5.86	41.7	71.6 Q	496	0.50 A	0.51 A	0.013 A	0.014 A
	08/16/01	6.57	682	1.10	19.6	NA	342	342	<2	98.3	<8	20.9	0.47 A	<0.1	25.6	0.069 A	5.52	34.8	64.3 Q	523	0.55 A	0.56 A	0.0075 AC	0.0057 AC
	12/04/01	7.24	594	0.90	17.3	NA	235	235	3.2	63.2	5.7 A	18.2 G	0.39 A	0.0077 A	17.3	1.2	3.74 A	23.9	50.6 Q	370	<1	0.37 AC	0.0113 A	0.0111 A
	12/4/01 D	7.24	594	0.90	17.3	NA	237	237	<2	63.2	<8	18.0	0.39 A	0.0070 A	17.3	0.85	4.08 A	24.2	51.1 Q	375	0.51 AC	0.37 AC	0.0083 A	0.0080 A
	02/19/02	7.37	568	1.50	17.6	NA	241	241	<2	65.6	<8	16.6	0.39 A	0.0074 A	18.5	0.78	3.91 A	25.4	49.7 Q	363	0.61 A	0.82 A	<0.03	<0.03
	08/29/02	6.68	601	0	20.3	550 C	250	250	<2	67	5.0 A	16	0.40 A	<0.1	19	0.31 A	4.60 A	28	65 Q	370	0.69 A	0.72 A	<0.03	<0.03
	02/17/03	7.36	453	0	18.4	430 C	200	200	<2	58	5.2 A	15	0.58 A	<0.1	16	0.92	3.5 A	26	46 Q	320	<1	<1	<0.03	<0.03
	09/11/03	7.52	937	NM	23.4	900	420	420	<2	110	<8	28	0.38 A	<0.1	32	<0.5	6.1	34	52 Q	560	<1	0.64 A	0.024 AC	0.020 AC
	03/04/04	6.89	733	0	18.2	730	290	290	7.1	88	<8	25	<1	0.058 A	24	<0.5	5.2 C	29	50 Q	430	0.66 A	<1	0.007 A	0.009 A

TABLE 5.
GROUNDWATER SAMPLE RESULTS FOR GENERAL CHEMISTRY
BRADLEY LANDFILL AND RECYCLING CENTER, CITY OF LOS ANGELES, CA

Well Identification	Date Sampled	Field Parameters				General Chemistry																		
		Field pH	Field EC	Field Turbidity	Field Temperature	Specific Conductance	Bicarbonate Alkalinity	Total Alkalinity	Biochemical Oxygen Demand	Calcium, dissolved	Chemical Oxygen Demand	Chloride	Fluoride	Iron, dissolved	Magnesium, dissolved	Nitrate-Nitrite or Nitrate,Nitrogen**	Potassium, dissolved	Sodium, dissolved	Sulfate	Total Dissolved Solids	Total Organic Carbon 1	Total Organic Carbon 2	Total Organic Halogens 1	Total Organic Halogens 2
		pH units	µmhos/cm	NTUs	°C	µmhos/cm	mg/L																	
4916L	03/14/01	7.13	425	2.75	19.4	514	NA	178	<2	54.2	<8	16.7	0.51 A	<0.1	13.6	1.5	4.34 A	36.4	61.9 Q	346	0.93 A	0.82 A	<0.03	0.0037 A
	06/12/01	7.60	4240	3.10	3.0	NA	174	174	<2	56.9	12.6	18.8	0.48 A	NA	15.1	1.7	4.43 A	38.4	59.0 Q	314	<1	<1	0.0042 A	0.0034 A
	08/14/01	6.91	390	1.20	21.8	NA	181	181	<2	53.4	<8	16.9	0.57 A	<0.1	13	1.8	4.23 A	32.3	53.4 Q	324	<1	<1	0.0044 A	0.0032 A
	12/04/01	7.99	539	2.00	18.0	NA	170	170	<2	51.2	<8	17.9	0.48 A	0.0055 A	11.3	1.5	3.63 A	31.6	72.4 Q	351	0.70 A C	0.69 A C	0.0036 A	0.0044 A
	02/19/02	7.85	541	2.20	18.3	NA	190	190	<2	58.4	<8	20.1	0.55 A	0.0075 A	13.8	1.3	4.15 A	34.7	83.3 Q	362	1.0	1.0	<0.03	<0.03
	08/29/02	7.17	604	0	22.5	570 C	190	190	<2	65.0	9.4	21	0.44 A	<0.1	16	1.6	4.50 A	39	92 Q	360	1.1	1.3	<0.03	<0.03
	02/17/03	8.09	418	0	19.0	410 C	94	94	<2	46.0	<8	23	0.58 A	0.038 A	12	0.8	3.8 A	38	93 Q	320	0.30 A	0.36 A	<0.03	<0.03
	09/11/03	9.10	528	NM	23.5	530	130	130	<2	48.0	<8	26	0.56 A	<0.1	11	2	3.8 A	35	84 Q	320	<1	<1	0.012 AC	0.0086 AC
	03/01/04	7.73	636	0.1	18.4	630	190	190	<2	68 C	<8	27 C	0.43 A	<0.1	16	0.52	4.5 A	37	91 Q	380	<1	<1	<0.03	<0.03
4926C	04/17/01	6.98	628	5.00	22.2	630	NA	287	<2	82.3	<8	17.3	0.50 A	0.016 A	23.3	<0.1	4.8 A	31.5	52.5 Q	423	0.39 A	0.39 A	0.0143 A	0.0064 A
	06/06/01	5.87	760	1.30	2.5	NA	253	253	7.2	77.0	<8	18.0	0.36 A	NA	21.4	<0.1	4.73 A	29.6	57.9 Q	403	<1	<1	0.0055 A	<0.03
	08/14/01	6.68	595	1.5	23.7	NA	222	222	<2	67.6 F	<8	20.3	0.62 AF	0.006 A	18.8	0.11 F	4.53 A	26.7	56.1Q	374	<1	<1	.0032 A	.0043 A
	8/14/01 D	6.68	595	1.5	23.7	NA	220	220	2.4	67.0 F	<8	20.3	0.59 AF	<0.1	18.5	0.11 F	4.55 A	28.8	56.6Q	369	<1	<1	.0031 A	.0029 A
	12/05/01	7.79	517	1.3	22.6	NA	202	202	<2	54.8	6.0 A	19.0	0.57 A	0.0074 A	15.2	<0.10	3.60 A	22.1	49.4 Q	323	<1	<1	<0.03	<0.03
	02/20/02	7.82	473	8	22.4	NA	171	171	<2	51.3	<8	20.3	0.62 A	<0.1	14.2	0.18 C	3.57 A	24.1	47.7 Q	309	0.53 A	0.36 A	<0.03	<0.03
	08/02		NM												Dry									
	02/07/03		NM												Dry									
	09/08/03	7.53	716	2.7	24.6	720 C	290	290	<2	85	<8	26	0.50 A	<0.1	25.0	<0.5	5.3	34.0	55 Q	440	0.38 A	<1	<0.03	0.0074 A
	02/19/04	7.35	531	2.0	24.0	550 C	180	180	<10 G	56 C	<8	27	0.47 A	<0.1	15	0.06 A	4.1 AL	22	53 Q	310	<1	<1	<0.03	<0.03
	02/19/04 D	7.35	531	2.0	24.0	550 C	180	180	<10 G	59 C	<8	27	0.5 A	<0.1	16	0.08 A	4.3 AL	25	53 Q	310	0.61 A	0.59 A	<0.03	<0.03
SEPARATE WATER SYSTEM*																								
4916C*	09/04/01	7.43	1,200	8.1	20.3	NA	196	196	<2	89.2	<8	29.1	0.64 A	0.0037 AC	23.1	3.7	5.33	46.3	162 Q	521	2.0	2.0	0.0119 AC	0.0132 AC
	04/02/02	7.42	975	NM	23.2	NA	181	181	<2	99.7	7.4 A	29.4	0.45 A	0.0209 A	26.8	4.1	6.08	56.6	228 Q	625	4.0	3.9	0.0165 A	0.0113 A
	08/14/02	7.48	288	26	30.3	730 C	190	190	<2	86.0	8.0	28	0.62 A	0.052 A	24.0	3.7	5.40	49	170 Q	530	3.1	3.0	0.013 A	0.010 A
	02/07/03		NM			Electrical equipment repaired in March 2003, attempted to sample, water level too low for submersible pump. Low recharge from upgradient water source.																		
	09/29/03	8.99	580	1.0	21.3	970	180	180	7.3	120	23	35 C	0.52 A	0.590	31.0	8.7	5.6	57	310 Q	760	8.8	8.8	0.0088 A	<0.03
	03/03/04		NM			Attempted to sample, water level too low for submersible pump. Low recharge from upgradient water source.																		

Notes:

C flag denotes analyte was also detected in the associated method blank. NS = Not Sampled
A flag denotes concentration reported is estimated because it is below the reporting limit.
G flag denotes elevated reporting limit due to matrix interferance.
Q flag denotes elevated reporting limit due to high analyte levels.
L flag denotes serial dilution of a digestate in analytical batch indicates that physical and chemical interferences are present.
NM = Not measured.
T = Constituent was detected in associated trip blank.
F = Constituent was detected in associated field blank.
NA = Not analyzed.
* = Upgradient, downgradient and separate water system as defined in WDR/MRP.
** = To comply with WDR, starting August 2002, nitrate as nitrogen will be analyzed.
March & April 2001 data from HardingESE April 27, 2001 Report. Well 4916C was not sampled in March 2001. See HardingESE (April 27, 2001) report for full summary of 5-year Constituent of Concern Scan.
February/March 2003 samples also analyzed for annual parameters, please see Section 2 of report for discussion of results.

TABLE 6.
GROUNDWATER SAMPLE RESULTS FOR VOLATILE ORGANIC COMPOUNDS
BRADLEY LANDFILL AND RECYCLING CENTER, CITY OF LOS ANGELES, CA

Well Identification	Date Sampled	Field Parameters				Volatile Organic Compounds*																						
		Field pH	Field EC	Field Turbidity	Field Temp	Acetone	Benzene	Bromodichloromethane	Carbon Disulfide	Chlorobenzene	Chloroform	Chloroethane	Chloromethane	1,2-Dichlorobenzene	1,4-Dichlorobenzene	Dichloro-difluoromethane	1,1-Dichloroethane	1,2-Dichloroethane	Cis-1,2-Dichloroethene	Trans-1,2-Dichloroethene	1,1-Dichloroethene	1,2-Dichloropropane	Methylene Chloride	Tetrachloroethene	Toluene	1,1,1-Trichloroethane	Trichloroethene	Trichlorofluoro methane	Vinyl Chloride
		pH units	µmhos/cm	NTUs	°C	µg/L																						
UPGRADIENT**																												
4915A	03/08/01	8.53	0.36 (sic)	16.5	18.7	<10	<1	<1	<1	<1	<1	<2	<2	<1	<1	<2	<1	<1	<1	<0.5	<1	<1	<1	<1	<1	<1	<1	<2	<1
	08/21/01	7.25	436	40.0	20.5	<34	<5	<5	0.40 A	<5	<5	<10	<10	<10	<10	<10	<5	<5	<10	<10	<1	<5	<5	<5	<5	<5	<5	<10	<1
	02/21/02	7.29	516	NM	21.5	<34	<5	<5	<5	<5	<5	<10	<10	<10	<10	<10	<5	<5	<10	<10	<1	<5	<5	<5	<5	<5	<5	<10	<1
	08/06/02	7.49	583	NM	21.1	<34	<1	<5	<5	<5	<5	<10	<10	<10	<10	<10	<5	<5	<10	<10	<1	<5	<5	<5	<1	<5	<5	<10	<1
	02/10/03	7.70	441	25.0	22.9	<34	<1	<5	<5	<5	<5	<10	<10	<10	<10	<10	<5	<5	<10	<10	<1	<5	<5	<5	<1	<5	<5	<10	<1
	09/25/03	8.14	522	0.0	21.9	<34	<1	<5	<5	<5	<5	<10	<10	<10	<10	<10	<5	<5	<10	<10	<1	<5	<5	<5	<1	<5	<5	0.67 A	<1
	09/25/03 D	8.14	522	0.0	21.9	<34	<1	<5	<5	<5	<5	<10	<10	<10	<10	<10	<5	<5	<10	<10	<1	<5	<5	<5	<1	<5	<5	0.59 A	<1
	02/16/04	7.58	558	20.0	20.8	<34	<1	<5	<5	<5	<5	<10	<10	<10	<10	<10	<5	<5	<10	<10	<1	<5	<5	<5	<1	<5	<5	<10	<1
4915B	03/13/01	7.19	375	3.6	18.7	<34	<1	<1	<1	<1	<1	<2	<2	<1	<1	<2	<1	<1	<1	<0.5	<1	<1	<1	<1	<1	<1	<1	<2	<1
	08/16/01	7.40	336	1.3	17.9	<34	<5	<5	<5	<5	<5	<10	0.36 A	<10	<10	<10	<5	<5	<10	<10	<1	<5	<5	<5	<5	<5	<5	<10	<1
	02/22/02	7.92	390	2.7	17.1	<34	<5	<5	<5	<5	<5	<10	<10	<10	<10	<10	<5	<5	<10	<10	<1	<5	<5	<5	<5	<5	<5	<10	<1
	2/22/02 D	7.92	390	2.7	17.1	3.9 A	<5	<5	<5	<5	<5	<10	<10	<10	<10	<10	<5	<5	<10	<10	<1	<5	<5	<5	<5	<5	<5	<10	<1
	08/27/02	7.26	578	1.0	21.3	<34	<1	<5	<5	<5	<5	<10	<10	<10	<10	<10	<5	<5	<10	<10	<1	<5	<5	<5	<1	<5	<5	<10	<1
	02/18/03	7.74	680	0.0	18.1	<34	<1	<5	<5	<5	0.36 A	<10	<10	<10	<10	<10	<5	<5	<10	<10	<1	<5	<5	<5	<1	<5	<5	<10	<1
	09/26/03	8.49	463	0.0	18.6	<34	<1	<5	<5	<5	<5	<10	<10	<10	<10	<10	<5	<5	<10	<10	<1	<5	<5	<5	<1	<5	<5	<10	<1
	02/27/04	7.76	445	1.5	17.4	<34	<1	<5	<5	<5	<5	<10	<10	<10	<10	<10	<5	<5	<10	<10	<1	<5	<5	<5	<1	<5	<5	<10	<1
4915C	03/08/01	7.45	0.34 (sic)	1.5	20.4	<10	<1	<1	<1	<1	<1	<2	<2	<1	<1	<2	<1	<1	<1	<0.5	<1	<1	<1	<1	<1	<1	<1	<2	<1
	08/21/01	7.40	423	1.0	21.3	<34	<5	<5	0.22 A	<5	0.30 A	<10	<10	<10	<10	<10	<5	<5	<10	<10	<1	<5	<5	<5	<5	<5	<5	<10	<1
	02/20/02	7.25	523	NM	22.0	<34	<5	<5	<5	<5	<5	<10	<10	<10	<10	<10	<5	<5	<10	<10	<1	<5	<5	<5	<5	<5	<5	<10	<1
	08/02		NM			NS = Not practical to sample (By end of August less then 1.5 feet of water with Piston Pump)																						
	02/07/03		NM			Dry (Water later encountered in casing in March 2003 but still not possible to sample because of low water volume)																						
	09/25/03	7.50	503	NM	22.4	<34	<1	<5	<5	<5	<5	<10	<10	<10	<10	<10	<5	<5	<10	<10	<1	<5	<5	<5	<1	<5	<5	<10	<1
	02/16/04	7.51	575	0.10	21.5	<34	<1	0.21 A	<5	<5	0.34 A	<10	<10	<10	<10	<10	<5	<5	<10	<10	<1	<5	<5	<5	<1	<5	<5	<10	<1
4915D	03/09/01	7.50	456	2.9	14.9	10	<1	<1	<1	<1	<1	<2	<2	<1	<1	<2	<1	<1	<1	<0.5	<1	<1	<1	<1	<1	<1	<1	<2	<1
	08/21/01	7.40	359	1.2	17.3	<34	<5	<5	<5	<5	<5	<10	<10	<10	<10	<10	<5	<5	<10	<10	<1	<5	<5	<5	<5	<5	<5	<10	<1
	02/20/02	7.16	418	NM	17.8	<34	<5	<5	<5	<5	<5	<10	<10	<10	<10	<10	<5	<5	<10	<10	<1	<5	<5	<5	<5	<5	<5	<10	<1
	08/08/02	8.23	474	241(sic)	18.7	<34	<1	<5	<5	<5	<5	<10	<10	<10	<10	<10	<5	<5	<10	<10	<1	<5	<5	<5	<1	<5	<5	<10	<1
	03/31/03	6.05	519	2.4	22.0	<34	<1	<5	<5	<5	<5	<10	<10	<10	<10	<10	<5	<5	<10	<10	<1	<5	<5	<5	<1	<5	<5	<10	<1
	08/28/03	7.28	508	2.6	22.2	<34	<1	<5	<5	<5	<5	<10	<10	<10	<10	<10	<5	<5	<10	<10	<1	<5	<5	<5	<1	<5	<5	<10	<1
	02/17/04	7.56	483	0.0	23.2	<34	<1	<5	<5	<5	<5	<10	<10	<10	<10	<10	<5	<5	<10	<10	<1	<5	<5	<5	<1	<5	<5	<10	<1
4915E	03/09/01	7.29	399	7.2	20.3	<10	<1	<1	<1	<1	<1	<2	<2	<1	<1	<2	<1	<1	<1	<0.5	<1	<1	<1	<1	<1	<1	<1	<2	<1
	08/21/01	7.20	430	2.1	21.1	<34	<5	<5	<5	<5	<5	<10	<10	<10	<10	<10	<5	<5	<10	<10	<1	<5	<5	<5	<5	<5	<5	<10	<1
	02/21/02	7.09	500	NM	21.0	<34	<5	<5	<5	<5	<5	<10	<10	<10	<10	<10	<5	<5	<10	<10	<1	<5	<5	<5	<5	<5	<5	<10	<1
	08/08/02	8.16	513	0.6	23.7	<34	<1	<5	<5	<5	<5	<10	<10	<10	<10	<10	<5	<5	<10	<10	<1	<5	<5	<5	<1	<5	<5	<10	<1
	03/12/03	8.15	620	1.0	21.8	<34	<1	<5	<5	<5	0.22 A	<10	<10	<10	<10	<10	<5	<5	<10	<10	<1	<5	<5	<5	<1	<5	<5	<10	<1
	09/25/03	7.98	521	2.7	24.6	<34	<1	<5	<5	<5	<5	<10	<10	<10	<10	<10	<5	<5	<10	<10	<1	<5	<5	<5	<1	<5	<5	<10	<1
	02/16/04	7.4	519	0.8	22.8	<34	<1	<5	<5	<5	<5	<10	<10	<10	<10	<10	<5	<5	<10	<10	<1	<5	<5	<5	<1	<5	<5	<10	<1
4915M	03/13/01	7.15	438	0.8	19.8	<10	<1	<1	<1	<1	<1	<2	<2	<1	<1	<2	<1	<1	<1	<0.5	<1	<1	<1	<1	<1	<1	<1	<2	<1
	03/13/01 D	7.15	438	0.8	19.8	<10	<1	<5	<1	<1	<1	<2	<2	<10	<1	<2	<1	<5	<1	<10	<1	<1	<1	<1	<1	<5	<1	<10	<1
	08/14/01	7.00	459	1.0	20.1	<34	<5	<5	0.30 A	<5	0.46 A	<10	<10	<10	<10	<10	<5	<5	<10	<10	<1	<5	<5	<5	<5	<5	<5	<10	<1
	02/21/02	7.90	639	2.5	18.3	<34	<5	<5	<5	<5	0.67 A	<10	<10	<10	<10	<10	<5	<5	<10	<10	<1	<5	<5	<5	<5	<5	2.4 A	<10	<1
	08/27/02	7.07	554	0	23.4	<34	<1	<5	<5	<5	0.52 A	<10	<10	<10	<10	<10	<5	<5	<10	<10	<1	<5	<5	<5	<1	<5	10#	<10	<1
	02/07/03		NM			Dry																						
	06/03/03	7.38	530	1.0	19.0	3.0A	<1	<5	<5	<5	<5	<10	<10	<10	<10	<10	<5	<5	<10	<10	<1	<5	<5	<5	<1	<5	14	<10	<1
	08/28/03	7.25	638	2.5	20.0	<34	<1	<5	<5	<5	0.22 A	<10	<10	<10	<10	<10	<5	<5	<10	<10	<1	<5	<5	<5	<1	<5	4.5 A	<10	<1
	02/17/04	7.55	711	0.4	19.5	<34	<1	<5	<5	<5	0.43 A	<10	<10	<10	<10	<10	<5	<5	<10	<10	0.73 A	<5	<5	<5	<1	0.41 A	45	<10	<1
DOWNGRADIENT**																												
4916D	03/12/01	6.92	426	25.3	21.4	<10	<1	<1	<1	<1	<1	<2	<2	<1	<1	<2	<1	<1	<1	<0.5	<1	<1	<1	<1	<1	<1	<1	<2	<1
	06/07/01	7.10	640	13.6	3.6	<34	0.47 A	<5	<5	0.48 A	<5	<10	<10	<10	0.83 A	<10	2.0 A	<5	6.6 A	<10	<1	<5	1.3 A, T	0.83 A	<5	<5	0.48 A	<10	0.93 A
	08/21/01	6.37	472	18.2	21.4	<34	0.42 A	<5	0.37 A	0.51 A	<5	<10	<10	<10	1.6A	0.55A	1.7A	<5	7.3A	<10	<1	0.91A	<5	0.68A	<5	<5	0.44A	<10	0.71A
	12/05/01	7.48	534	8.2	21.0	<34	<5	<5	<5	<5	<5	<10	<10	<10	<10	<10	0.29 A	<5	0.66 A	<10	<1	<5	<5	<5	<5	<5	<5	<10	0.59 A
	02/22/02	7.60	476	21.0	21.2	<34	<5	<5	<5	<5	<5	<10	<10	<10	<10	<10	<5	<5	<10	<10	<1	<5	<5	<5	<5	<5	<5	<10	0.42 A
	08/14/02	6.93	499	2.0	22.5	<34	<1	<5	<5	<5	<5	<10	<10	<10	<10	<10	<5	<5	<10	<10	<1	<5	<5	<5	<1	<5	<5	<10	0.35 A
	08/14/02 D	6.93	499	2.0	22.5	<34	<1	<5	<5	<5	<5	<10	0.29 AT	<10	<10	<10	<5	<5	<10	<10	<1	<5	<5	<5	<1	<5	<5	<10	0.31 A
	03/04/03	6.50	510	6.4	22.2	<34	<1	<5	<5	<5	<5	<10	<10	<10	<10	<10	<5	<5	<10	<10	<1	<5	<5	<5	<1	<5	<5	<10	0.24 A
	09/26/03	7.21	684	0.0	22.0	<34	0.42 A	<5	<5	0.51 A	<5	<10	<10	0.32 A	3.1 A	<10	0.82 A	0.44 A	4.5 A	<10	<1	1.0 A	0.26 A	0.73 A	<1	<5	0.37 A	<10	1.2
	02/27/04	7.23	589	50.0	19.7	<34	<1	<5	<5	<5	<5	<10	<10	<10	0.26 A	<10	<5	<5	0.56 A	<10	<1	<5	<5	<5	<1	<5	<5	<10	0.64 A
4916F	03/09/01	7.00	511	3.11	15.8	<10	<1	<1	<1	<1	<1	<2	<2	<1	<1	<2	<1	<1	<1	<0.5	<1	<1	<1	<1	<1	<1	<1	<2	1
	06/06/01	5.60	698	1.56	8.0	<34	0.39 A	<5	NA	<5	0.35 A	0.27 A	<10	<10	<10	1.7 A	1.3 A	<5	0.47 A	<10	0.29 A	<5	<5	0.83 A	<5	<5	0.56 A	<10	2.3
	08/16/01	6.26	630	1.40	18.6	<34	1.2 A	<5	<5	<5	0.43 A	0.80 A	<10	<10	<10	1.9 A	4.3 A	<5	1.7 A	<10	<1	0.23 A	<5	1.1 A	<5	<5	0.78 A	<10	6.4
	12/04/01	7.29	572	NM	18.0	<34	0.23 A	<5	<5	<5	0.37 A	<10	<10	<10	<10	<10	0.79 A	<5	0.45 A	<10	<1	<5	<5	1.3 A	<5	<5	0.62 A	<10	1.5
	02/19/02	8.49	583	1.00	17.9	<34	0.35 A	<5	<5	<5	<5	<10	<10	<10	4.8 A	1.3 A	0.83 A	<5	<10	<10	<1	<5	<5	0.87 A	<5	<5	0.31 A	<10	2.0
	08/02		NM														Dry											
	02/07/03		NM														Dry											
	09/11/03	7.97	792	0	20.4	3.0 AT	1.70	<5	<5	1.0 A	<5	0.25 A	<10	0.28 A	4.2 A	0.89 A	4.0 A	<5	4.8 A	0.20 A	<1	2.8 A	0.41 AT	0.65 A	<1	<5	0.40 A	<10	6.0
	03/01/04	7.05	751	0.8	18.8	<34	0.34 A	<5	<5	0.18 A	<5	<10	<10	<10	<10	<10	0.93 A	<5	1.2 A	<10	<1	0.33 A	0.49 AC	0.44 A	<1	<5	0.18 A	<10	3.5
4916G	03/08/01	7.30	473	5.80	18.4	<10	<1	<1	<1	<1	<1	<2	<2	<1	<1	<2	<1	<1	<1	<0.5	<1	<1	<1	<1	<1	<1	<1	<2	<1
	06/07/01	6.31	615	3.50	1.0	<34	0.25 A	<5	<5	<5	<5	<10	<10	<10	<10	<10	0.62 A	<5	3.4 A	<10	<1	<5	1.3 AT	<5	<5	<5	<5	<10	0.44 A
	08/21/01	6.75	470	1.60	21.4	<34	<5	<5	0.48 A	<5	<5	<10	<10	<10	<10	<10	0.34 A	<5	2.2 A	<10	<1	<5	<5	<5	<5	<5	<5	<10	0.26 A
	12/27/01	7.76	540	0.80	22.9	<34	<5	<5	<5	<5	<5	<10	<10	<10	<10	<10	<5	<5	<10	<10	<1	<5	<5	<5	<5	<5	<5	<10	<1
	02/20/02	7.69	467	1.80	22.1	<34	<5	<5	<5	<5	<5	<10	<10	<10	<10	<10	<5	<5	<10	<10	<1	<5	<5	0.50 A	<5	<5	<5	<10	<1
	08/08/02	6.97	NM	NM	24.7	<34	<1	<5	<5	<5	<5	<10	<10	<10	<10	<10	<5	<5	<10	<10	<1	<5	<5	<5	<1	<5	<5	<10	<1
	02/17/03	7.34	482	0	22.8	<34	<1	<5	0.42 A	<5	<5	<10	<10	<10	<10	<10	<5	<5	<10	<10	<1	<5	<5	<5	<1	<5	<5	<10	<1
	02/17/03 D	7.34	482	0	22.8	<34	<1	<5	<5	<5	<5	<10	<10	<10	<10	<10	<5	<5	<10	<10	<1	<5	<5	<5	<1	<5	<5	<10	<1
	08/28/03	6.77	699	3.0	24.8	<34	0.21 A	<5	<5	0.29 A	<5	<10	<10	<10	0.69 A	<10	0.45 A	<5	3.0 A	<10	<1	0.33 A	<5	0.32 A	<1	<5	<5	<10	0.59 A
	02/26/04	7.18	539	0	23.4	<34	<1	<5	<5	<5	<5	<10	<10	<10	<10	<10	<5	<5	0.16 A	<10	<1	<5	<5	<5	<1	<5	<5	<10	0.26 A
4916H	03/09/01	6.97	464	2.70	16.6	<10	<1	<1	<1	<1	<1	<2	<2	<1	<1	<2	<1	<1	<1	<0.5	<1	<1	<1	<1	<1	<1	<1	<2	<1
	06/06/01	5.73	726	1.50	9.9	<34	0.43 A	<5	<5	<5	0.37 A	0.36 A	<10	<10	<10	2.0 A	1.4 A	<5	0.44 A	<10	0.34 A	<5	<5	0.86 A	<5	<5	0.58 A	<10	3.0
	08/16/01	6.30	378	1.00	18.8	<34	0.77 A	<5	0.34 A	<5	0.44 A	0.47 A	<10	<10	<10	1.6 A	2.6 A	<5	1.1 A	<10	<1	<5	<5	1.1 A	<5	<5	0.74 A	<10	4.6
	12/04/01	7.40	546	NM	17.8	<34	<5	<5	<5	<5	0.42 A	<10	<10	<10	<10	<10	0.67 A	<5	0.40 A	<10	<1	<5	<5	1.2 A	<5	<5	0.63 A	<10	1.3
	02/19/02	8.64	562	1.00	17.7	<34	<5	<5	<5	<5	<5	<10	<10	<10	<10	0.93 A	0.59 A	<5	<10	<10	<1	<5	<5	0.74 A	<5	<5	0.29 A	<10	1.4
	08/06/02	6.74	639	14.0	18.6	<34	0.47 A	<5	<5	<5	<5	<10	<10	<10	<10	0.50 A	0.97 A	<5	0.59 A	<10	<1	<5	<5	0.70 A	<1	<5	0.26 A	<10	1.6
	03/05/03	7.53	502	1.8	17.5	<34	<1	<5	<5	<5	<5	<10	<10	<10	<10	0.42 A	<5	<5	<10	<10	<1	<5	0.33 AC	<5	<1	<5	<5	<10	0.61 A
	09/11/03	7.84	783	1.0	19.0	2.8 AT	1.6	<5	<5	0.96 A	<5	0.23 A	<10	0.31 A	3.7 A	0.76 A	4.0 A	0.63 A	4.7 A	0.23 A	<1	2.7 A	0.47 AT	0.61 A	<1	<5	0.43 A	<10	5.7
	03/01/04	7.09	739	1	18.1	<34	0.28 A	<5	<5	0.18 A	<5	<10	<10	<10	<10	<10	0.95 A	<5	1.3 A	<10	<1	0.35 A	0.52 ACF	0.45 A	<1	<5	0.19 A	<10	2.6
4916J	03/14/01	6.87	474	2.20	19.8	<10	<1	<1	<1	<1	<1	<2	<2	<1	<1	<2	<1	<1	<1	<0.5	<1	<1	<1	<1	<1	<1	<1	<2	<1
	06/12/01	7.06	2650	0.70	2.3	<34	0.40 A	<5	<5	<5	0.30 A	<10	<10	<10	<10	1.7 A	2.1 A	<5	0.91 A	<10	<1	<5	<5	1.5 A	1.1 A	<5	0.65 A	<10	1.7
	08/16/01	6.57	682	1.10	19.6	<34	0.24 A	<5	0.31 AT	<5	0.36 A	0.29 A	<10	<10	<10	1.5 A	1.9 A	<5	0.64 A	<10	<1	<5	<5	1.1 A	<5	<5	0.63 A	<10	1.1
	12/04/01	7.24	594	0.90	17.3	<34	0.44 A	<5	<5	<5	0.48 A	<10	<10	<10	<10	<10	1.3 A	<5	1.6 A	<10	<1	<5	<5	1.5 A	<5	<5	0.91 A	<10	1.3
	12/4/01 D	7.24	594	0.90	17.3	<34	0.41 A	<5	<5	<5	0.47 A	<10	<10	<10	<10	0.88 A	1.4 A	<5	1.6 A	<10	<1	<5	<5	1.6 A	<5	<5	0.92 A	<10	1.2
	02/19/02	7.37	568	1.50	17.6	<34	0.34 A	<5	<5	<5	<5	<10	<10	<10	<10	1.2 A	0.85 A	<5	0.40 A	<10	<1	<5	<5	0.93 A	<5	<5	0.45 A	<10	1.9
	08/29/02	6.68	601	0	20.3	<34	<1	<5	<5	<5	<5	<10	<10	<10	<10	0.61 A	1.1 A	<5	0.45 A	<10	<1	<5	<5	0.59 A	<1	<5	<5	<10	1.0
	02/17/03	7.36	453	0	18.4	<34	<1	<5	0.34 A	<5	<5	<10	<10	<10	<10	<10	<5	<5	<10	<10	<1	<5	<5	<5	<1	<5	<5	<10	<1
	09/11/03	7.52	937	NM	23.4	3.0 AT	0.91 A	<5	<5	1.3 A	<5	0.32 A	<10	0.59 A	7.3 A	0.93 A	6.4	1.1 A	6.4 A	0.19 A	<1	4.5 A	0.34 AT	0.91 A	<1	<5	0.87 A	<10	4.3
	03/04/04	6.89	733	0	18.2	<34	0.43 A	<5	<5	0.29 A	<5	<10	<10	<10	1.0 A	0.64 A	1.3 A	<5	1.9 A	<10	<1	0.61 A	0.53 AC	0.6 A	<1	<5	0.28 A	<10	3.1
4916L	03/14/01	7.13	425	2.75	19.4	<10	<1	<1	<1	<1	<1	<2	<2	<1	<1	<2	<1	<1	<1	<0.5	<1	<1	<1	<1	<1	<1	<1	<2	<1
	06/12/01	7.60	4240	3.10	3.0	<34	<5	<5	<5	<5	<5	<10	<10	<10	<10	<5	<5	<5	<10	<10	<1	<5	<5	<5	<5	<5	4.2 A	<10	<1
	08/14/01	6.91	390	1.20	21.8	<34	<5	<5	0.26 A	<5	<5	<10	<10	<10	<10	<10	<5	<5	<10	<10	<1	<5	<5	<5	<5	<5	4.2 A	<10	<1
	12/04/01	7.99	539	2.00	18.0	<34	<5	<5	<5	<5	<5	<10	<10	<10	<10	<10	<5	<5	<10	<10	<1	<5	<5	<5	<5	<5	1.6 A	<10	<1
	02/19/02	7.85	541	2.20	18.3	<34	<5	<5	<5	<5	<5	<10	<10	<10	<10	<10	<5	<5	<10	<10	<1	<5	<5	<5	<5	<5	0.91 A	<10	<1
	08/29/02	7.17	604	0	22.5	<34	<1	<5	<5	<5	<5	<10	0.33 A	<10	<10	<10	<5	<5	<10	<10	<1	<5	<5	<5	<1	<5	0.50 A	<10	<1
	02/17/03	8.09	418	0	19.0	<34	<1	<5	<5	<5	<5	<10	<10	<10	<10	<10	<5	<5	<10	<10	<1	<5	<5	<5	<1	<5	<5	<10	<1
	09/11/03	9.10	528	NM	23.5	2.8 AT	<1	<5	<5	<5	0.41 A	0.19 A	1.2 A	<10	<10	<10	<5	<5	<10	<10	<1	<5	<5	<5	<1	<5	4.5 A	<10	<1
	03/01/04	7.73	636	0.1	18.4	<34	<1	<5	<5	<5	<5	<10	<10	<10	<10	<10	<5	<5	<10	<10	<1	<5	0.42 AC	<5	<1	<5	2.6 A	<10	<1

TABLE 6.
GROUNDWATER SAMPLE RESULTS FOR VOLATILE ORGANIC COMPOUNDS
BRADLEY LANDFILL AND RECYCLING CENTER, CITY OF LOS ANGELES, CA

Well Identification	Date Sampled	Field Parameters				Volatile Organic Compounds*																							
		Field pH	Field EC	Field Turbidity	Field Temp	Acetone	Benzene	Bromodichloromethane	Carbon Disulfide	Chlorobenzene	Chloroform	Chloroethane	Chloromethane	1,2-Dichlorobenzene	1,4-Dichlorobenzene	Dichloro-difluoromethane	1,1-Dichloroethane	1,2-Dichloroethane	Cis-1,2-Dichloroethene	Trans-1,2-Dichloroethene	1,1-Dichlorethene	1,2-Dichloropropane	Methylene Chloride	Tetrachloroethene	Toluene	1,1,1-Trichloroethane	Trichloroethene	Trichlorofluoro methane	Vinyl Chloride
		pH units	µmhos/cm	NTUs	°C	µg/L																							
4926C	04/17/01	6.98	628	5.00	22.2	<10	<1	<1	<1	<1	<1	<2	<2	<1	<1	<2	<1	<1	2.4	<0.5	<1	<1	<1	1	<1	<1	<1	<2	<1
	06/06/01	5.87	760	1.30	2.5	<34	<5	<5	<5	<5	<5	<10	<10	<10	<10	0.82 A	0.37 A	<5	1.5 A	<10	<1	<5	<5	0.60 A	<5	<5	<5	<10	0.70 A
	08/14/01	6.68	595	1.5	23.7	<34	<5	<5	1.0 AF	<5	<5	<10	<10	<10	<10	0.27 A	0.27 A	<5	1.1 A	<10	<1	<5	1.4 AFT	<5	<5	<5	<5	<10	0.54 A
	8/14/01 D	6.68	595	1.5	23.7	<34	<5	<5	1.3 AF	<5	<5	<10	<10	<10	<10	0.29 A	0.27 A	<5	1.1 A	<10	<1	<5	<5	<5	<5	<5	<5	<10	0.56 A
	12/05/01	7.79	517	1.3	22.6	<34	<5	<5	<5	<5	<5	<10	<10	<10	<10	<10	<5	<5	<10	<10	<1	<5	<5	<5	<5	<5	<5	<10	<1
	02/20/02	7.82	473	8	22.4	<34	<5	<5	<5	<5	<5	<10	<10	<10	<10	<10	<5	<5	<10	<10	<1	<5	<5	<5	<5	<5	<5	<10	<1
	08/02		NM															Dry											
	02/07/03		NM															Dry											
	09/08/03	7.53	716	2.7	24.6	<34	<1	<5	<5	0.30 A	<5	<10	<10	<10	<10	<10	0.27 A	<5	1.7 A	<10	<1	<5	0.39ACF	<5	<1	<5	<5	<10	0.33 A
	02/19/04	7.35	531	2.0	24.0	<34	<1	<5	<5	<5	<5	<10	<10	<10	<10	<10	<5	<5	<10	<10	<1	<5	0.34 AC	<5	<1	<5	<5	<10	<1
	02/19/04 D	7.35	531	2.0	24.0	<34	<1	<5	<5	<5	<5	<10	<10	<10	<10	<10	<5	<5	<10	<10	<1	<5	0.32 ACT	<5	<1	<5	<5	<10	<1
SEPARATE WATER SYSTEM**																													
4916C	09/04/01	7.43	1,200	8.1	20.3	<34	<5	<1	<5	<5	<5	<10	<10	<10	<10	<10	<5	<5	<10	<10	0.45 AT	<5	<5	1.7 A	<5	<1	4.9 A	<10	<1
	04/02/02	7.42	975	NM	23.2	<34	<5	<5	<5	<5	<5	<10	<10	<10	<10	<10	<5	<5	<10	<10	<1	<5	<5	1.4 A	<5	<5	3.0 A	<10	<1
	08/14/02	7.48	288	26	30.3	<34	<1	<5	<5	<5	<5	<10	<10	<10	<10	<10	<5	<5	<10	<10	<1	<5	<5	1.5 A	<1	<5	4.2 A	<10	<1
	02/07/03		NM			Electrical equipment repaired in March 2003, attempted to sample, water level too low for submersible pump. Low recharge from upgradient water source.																							
	09/29/03	8.99	580	1.0	21.3	2.7 A	<1	<5	<5	<5	<5	<10	<10	<10	<10	<10	<5	<5	<10	<10	<1	<5	<5	<5	<1	<5	0.21 A	<10	<1
	03/2003		NM			Attempted to sample, water level too low for submersible pump. Low recharge from upgradient water source.																							

Notes:
C flag denotes analyte was also detected in the associated method blank.
A flag denotes concentration reported is estimated because it is below the reporting limit.
Q flag denotes elevated reporting limit due to high analyte levels.
NM = Not measured.
NS = Not Sampled
T = Constituent was detected in associated trip blank.
F = Constituent was detected in associated field blank.
NA = Not analyzed.
* = Only constituents that are detected have been listed. See laboratory report for full list.
** = Upgradient, downgradient and separate water system as defined in WDR/MRP.
March & April 2001 data from HardingESE April 27, 2001 Report. Well 4916C was not sampled in March 2001. See HardingESE (April 27, 2001) report for full summary of 5-year Constituent of Concern Scan.
Resample was not possible due to low water volume. Vapor head space collected and contained no TCE. See report for more detail.
February/March 2003 samples also analyzed for annual parameters, please see Section 2 of report for discussion of results.

Resample was not possible due to low water volume. Vapor head space collected and contained no TCE. See report for more detail.

TABLE 7.
ANALYTICAL RESULTS FOR LEACHATE
BRADLEY LANDFILL AND RECYCLING CENTER, SUN VALLEY, CALIFORNIA

Sample Location	SUMP A	SUMP B				SUMP C	SUMP D		OLD SUMP E				NEW SUMP E	SUMP F
Date Sampled	2/19/03	11/20/01	2/22/02	2/19/03	3/11/04	3/4/04	2/19/03	3/4/04	11/20/01	2/22/02	2/19/03	3/5/04	3/5/04	3/4/04
General Chemistry and Metals (mg/L)														
Hardness as CaCO3	680 CQ	1,580 CQ	--	2,500 CQ	2,500 Q	1,900 Q	1,200 CQ	1,200 Q	1,700 CQ	--	990 CQ	740 G	1,800 Q	2,100 Q
HEM (Oil and Grease)	44	--	--	5.4	3.8 A	1.5 A	24	11	--	--	10	13	13	32
Specific Conductance	14,000 C	11,500 C	--	7,100 C	11 C	6,900	6,900 C	9,300	14,000 C	--	20,000 C	25,000	18,000	5,900
Total Dissolved Solids	8,300 Q	6,760 Q	--	5,100 Q	6.7 Q	3,900 Q	4,600 Q	5,200 Q	8,350 Q	--	12,000 Q	14,000 Q	10,000 Q	3,700 Q
Barium	0.73	--	3.15	3	3.6	2	1.7	1.5	--	2.59	1.6	1.0	2.9	1.5
Calcium	95	197	--	560	540	440	230	280	183	--	62	81	270	580
Magnesium	110	195	--	240	250	210	120	130	28.2	--	150	140	260	200
Potassium	690	--	159	92	190	99 CL	230	280 CL	--	267.0	1,200	1,500 CL	810 CL	59 CL
Sodium	2,100 C	1340	--	790 C	1,200 C	620	790 A	940	1650	--	2,500 C	3,000	1,900	500
Chloride	2,400 CQ	2,270 Q	--	2,900 CQ	2.6 Q	1,200 Q	1,700 CQ	1,400 Q	2,560 Q	--	4,300 CQ	3,600 Q	3,000 Q	130 Q
Sulfate	<25 G	<50 G	--	<0.025 G	<25	2.8 AG	<25 G	2.2 AG	<50 G	--	<50 G	4.7 ACG	3.8 ACG	18 G
Fluoride	2.7 AG	1.5 AG	--	1.8 AG	<5	2.3 AG	1.7 AG	13 Q	<10 G	--	<0.01 G	<5 G	<5	3.9 AG
Bicarbonate Alkalinity	4,700	2,820	--	1,500	1,900	1,700	2,000	2,200	3,900	--	7,000	8,400	5,400	1,900
Total Alkalinity	4,700 Q	2,820 Q	--	1,500 Q	1,900	1,700	2,000 Q	2,200	3,900 Q	--	7,000 Q	8,400 C	5,400 C	1,900
Chemical Oxygen Demand	3,100 Q	1,920 CQ	--	920 Q	280 IC	600 Q	2,300 Q	2,300 Q	3,360 Q	--	6,200 Q	10,000 G	5,100 G	140
Free Cyanide	0.015 C	0.017	--	0.013 C	0.0046 A	<0.01	0.013 C	0.0056 A	0.018	--	0.0092 AC	0.01	<0.01	<0.01
Total Cyanide	0.041	0.027	--	0.016	0.11	0.004 A	0.019	0.0091 A	0.024	--	0.014	<0.01	<0.01	<0.01
Total Sulfide	0.18 AG	--	<4	<0.05	<0.05	<0.05	0.12 G	0.026 A	--	<4	33 Q	<0.5	<0.5	<0.05
Total Organic Carbon 1	1,000 Q	556 Q	--	310 Q	510 Q	200 Q	680 Q	920 Q	1030 Q	--	2,000 Q	3,400 Q	1,800 Q	170 Q
Total Organic Carbon 2	1,000 Q	580 Q	--	310 Q	520 Q	210 Q	670 Q	910 Q	1060 Q	--	2,100 Q	3,500 Q	1,800 Q	180 Q
Total Organic Halogens 1	3.2 QX	1.91 CG	--	1.2 QX	1.6 QX	0.6 Q	2.0 QX	1.7 AQ	2.70 CXG	--	3.2 QX	1.9 AQX	2.1 QX	0.46 AQ
Total Organic Halogens 2	3.3 QX	2.42 CXG	--	1.1 QX	1.5 QX	0.63 Q	2.1 QX	2 AQ	2.49 CXG	--	3.4 QX	2.1 AQX	2.0 QX	0.42 AQ
Total Organic Halogens 3	4.1 QX	2.25 CXG	--	1.1 QX	1.9 QX	0.73 QX	2.1 QX	2.6 Q	2.35 CXG	--	2.7 QX	1.8 AQX	1.9 QX	0.5 AQ
Total Organic Halogens 4	3.7 QX	2.1 CXG	--	1.2 QX	1.8 QX	0.68 QX	2.1 QX	2.1 AQ	2.50 CXG	--	2.7 QX	1.8 AQX	1.8 QX	0.55 AQ
Antimony	<0.01	--	<0.010	<0.01	<0.01	0.005 A	<0.01	0.016	--	<0.010	0.014	0.015	0.016	<0.01
Arsenic	0.21	--	0.0893	0.1	0.12	0.063	0.11	0.14	--	0.0649	0.23	0.54	0.35	0.0051 A
Arsenic (Dissolved)	--	0.095	--	--	--	--	--	--	0.0997	--	--	--	--	--
Beryllium	<0.005	--	<0.005	<0.005	0.0016 AC	0.0012 AC	<0.005	0.00099 A	--	<0.005	<0.005	0.0014 AC	0.019 AC	0.001 AC
Boron	23	9.14 C	--	4	6.7	4	4.9	6.9	8.87 A	--	14	21	9.1	3.5
Cadmium	<0.005	<0.005	--	0.00044 A	<0.005	0.67 A	0.0016 A	0.0012 A	<0.005	--	0.0012 A	0.0019 A	0.0031 A	0.00069 A
Chromium	0.15 C	0.0407	--	0.011 C	0.025	0.0086 A	0.045 C		0.0619	--	0.18 C	0.3	0.096	0.011
Cobalt	0.054	--	0.0213	<0.01	0.022 C	0.0055 A	0.02	0.023	--	0.0242	0.049	0.064	0.052	0.007 A
Copper	0.026	<0.010	--	0.0012 A	0.0074 AC	0.0036 A	0.016	0.011	<0.010	--	0.031	0.1	0.039	0.0036 A
Iron	4.7	15.7	--	19	16	20	15	10	9.69	--	22	16	21	12
Lead	<0.003	0.0013 A	--	0.0023 AC	<0.003	<0.003	0.032 C	0.027	0.0015 A	--	0.0044 C	0.023	0.023	0.003
Manganese	0.3	0.422	--	2.9	2.5	1.6	1.2	1.2	0.560	--	0.21	0.28	0.87	4.5
Mercury	<0.0002	--	<0.0002	<0.0002	<0.002	<0.0002	<0.0002	0.00026 A	--	<0.0002	<0.0002	<0.0002	<0.002	0.0008
Nickel	0.2	0.114	--	0.095	0.14	0.037 A	0.12	0.14	0.176	--	0.2	0.25	0.24	0.035 A
Selenium	0.011	--	<0.005	0.008	<0.005	<0.005	<0.011	0.0086	--	<0.005	0.023	0.028	0.013	<0.005
Silver	0.0011 AC	<0.010	--	0.0016 AC	<0.01	1.3 AC	0.002 AC	0.0012 AC	<0.010	--	0.00085 A	0.01	<0.01	0.002 AC
Zinc	0.35	0.0146 A	--	0.0073 A	<0.02	<0.02	1.1	0.26	<0.020	--	0.17	0.54	0.39	0.068
Volatile Organic Compounds (µg/L)*														
Acetone	--	--	--	--	32	<68	--	280 A	--	--	--	4,600	4,700	260
Benzene	2.6 A	<88	--	2.2 A	1.6	5.8	2.0 A	<20	1.6 A	--	4.5 A	<50	<5,000	4.4
Carbon disulfide	--	--	--	--	<5	<10	--	<100	--	--	--	100 A	<250	<12
Chlorobenzene	3.9 A	<100	--	1.1 A	0.71 A	2 A	0.91 A	<100	<20	--	0.49 A	<250	<250	2.2 A
Chloroethane	<20	<200	--	<20	<10	<20	<20	<200	<40	--	<20	<500	<500	1.5 A
1,2-Dichlorobenzene	--	--	--	--	0.88 A	2.1 A	--	<200	--	--	--	<500	<500	0.53 A
1,4-Dichlorobenzene	--	--	--	--	10	14 A	--	12 A	--	--	--	<500	<500	7.6 A
1,1-Dichloroethane	0.45 A	<100	--	1.3 A	0.71 A	3.6 A	<10	<100	<20	--	<10	<250	<250	1.9 A
1,2-Dichloroethane	0.78 A	<56	--	0.81 A	<5	0.81 A	<5.6	<100	<11	--	<5.6	<250	<250	<12
cis-1,2-Dichloroethene	--	--	--	--	3.4 A	2.3 A	--	<200	--	--	--	<500	<500	2.3 A
1,2-Dichloropropane	1.2 A	<100	--	1.1 J	0.76 A	2.5 A	<10	<100	<20	--	<10	<250	<250	0.86 A
Ethylbenzene	19	21 A	--	24	14	23	13	13 A	6.3 A	--	6.0 A	<250	<250	13
Methylene Chloride	<5.6	<56	--	<5.6	0.71 AC	1.6 ACT	<5.6	13 AC	<11	--	0.95 A	13 ACT	19 ACT	4.3 ACT
4-Methyl-2-Pentanone	--	--	--	--	<10	<20	--	27 A	--	--	--	<500	110 A	13 A
Styrene	--	--	--	--	<5	<10	--	740	--	--	--	17 A	85 A	<12
Tetrachloroethane	<8	<80	--	<8	<5	<10	0.66 A	<100	<16	--	<8	<250	<250	0.8 A
Toluene	12	12 A	--	4.2 A	7.4	36	31	14 A	14 A	--	20	14 A	28 A	42
Trichloroethene	0.48 A	<38	--	<3.8	<5	<10	1.1 A	<100	<7.6	--	<3.8	<250	<250	1.2 A
Vinyl Chloride	1.6 A	<40	--	1.5 A	0.78 A	3.2	<4.0	<100	<8	--	<4	<50	<50	2 A
Xylenes	--	--	--	--	19	23	--	36 A	--	--	--	<500	<500	30
2-Butanone	--	--	--	--	<10	23	--	350	--	--	--	2,300	3,900	330
Semi-Volatile Organic Compounds (µg/L)*														
Acetophenone	<50	--	<10	<10	<10	<10	14	11	--	<10	<50	<1,500	<500	2.8 A
bis(2-Ethylhexyl)phthalate	<50	--	<10	<10	6.5 A	<10	47	37	--	<10	<50	<1,500	<500	15
Phenol	240	--	<10	<10	<10	<10	<10	<10	--	30	<50	6,600	2,400	35
2-Methylnaphthalene	<50	--	<10	<10	<10	6.4 A	<10	<10	--	<10	<50	<1,500	<500	<10
2-Methylphenol	<50	--	<10	<10	4.8 A	<10	<10	<10	--	<10	<50	<1,500	<500	<10
3-Methylphenol & 4-Methylphenol	61	--	<10	<10	<10	<10	<10	<10	--	28	590	12,000	5,000	76
Naphthalene	<50	--	13	<10	11	13	<10	4.9 A	--	42	<50	<1,500	<500	4.4 A
Dimethyl Phthalate	570	--	63	<10	<10	<10	<10	<10	--	<10	<50	<1,500	<500	<10

Notes:
mg/L = milligrams per liter
ug/L = micrograms per liter
-- = not analyzed
C = analyte was also detected in the associated method blank at a reportable limit.
A = concentration reported is estimated because it is below the reporting limit.
IC = Diluted due to high inorganic chloride.
Q = Reporting limit is elevated due to high analyte levels.
G = The reporting limit is elevated due to matrix interference.
X = TOX (Total Organic Halogens) exhibited carryover.
* = Only analytes detected in one or more leachate samples are listed. See lab report for full list of anlytes

APPENDIX A

2003 Groundwater Elevation and Contour Maps

4915B
(667.64)

4915G
(671.80)

4915A
(673.85)

4915E
(671.71)

670

4915D
(661.89)

650

4926C
(644.74)

4916G
(642.25)

4915M
(652.32)

630

4916D
(NM)

Verdugo Fault

4916L
(638.50)

4916H
(626.13)

4916F
(626.39)

610

4916C
(475.94)

4916J
(607.85)

LEGEND

4916D
(641.76) Groundwater Monitoring Well with Groundwater Elevation in Feet from September 18, 2003

Groundwater Contour

(NM) Not Monitered

(Well 4914G Located Approximately 2,500 Feet North of Site, Not Shown on Map)

N

GRAPHIC SCALE
500 0 500 1000
SCALE IN FEET

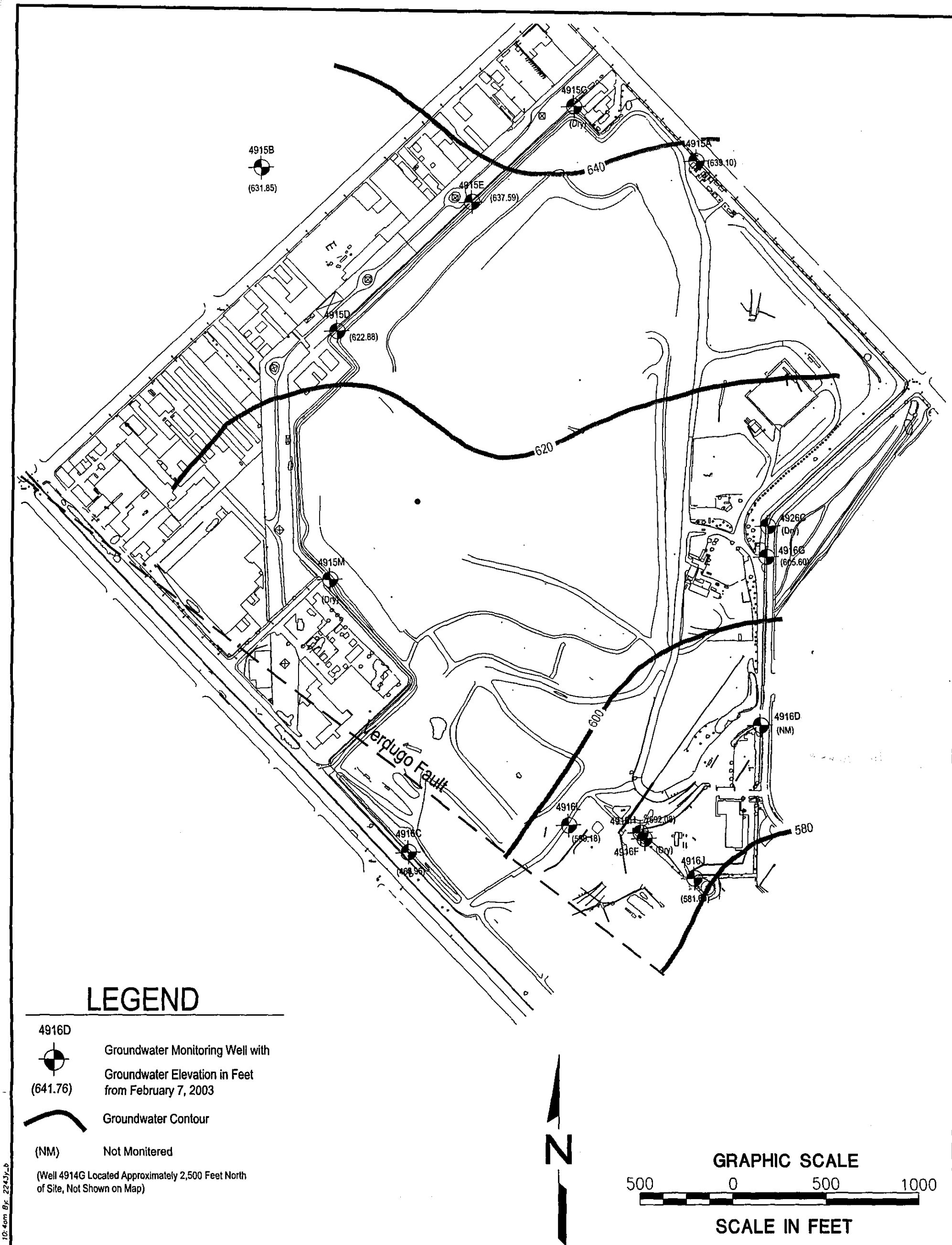
SCS ENGINEERS
ENVIRONMENTAL CONSULTANTS
3711 LONG BEACH BLVD., 9th FLOOR
LONG BEACH, CA 90807
PH. (562) 426-9544 FAX. (562) 427-0805

SHEET TITLE: Groundwater Elevations and Contours, September 2003

PROJECT TITLE: Bradley Landfill and Recycling Center
Sun Valley, California

PROJ. NO. 01201026.00	DWN. BY: APH	ACAD FILE:	SCALE: 1' = 500'	DATE October 2003	Figure 3
DSN. BY:	CHK. BY: TQS	APP. BY: KWG			

J:\SW\.085\2001\01201026\BradleyGW Contours.dwg Oct 06, 2003 - 2:10pm By: Ashley Hutchens



SCS ENGINEERS
ENVIRONMENTAL CONSULTANTS
3711 LONG BEACH BLVD., 9th FLOOR
LONG BEACH, CA 90807
PH. (562) 426-9544 FAX. (562) 427-0805

SHEET TITLE: Groundwater Elevations and Contours, February 2003

PROJECT TITLE: Bradley Landfill and Recycling Center
Sun Valley, California

PROJ. NO. 01201026.00	DWN. BY: JEB	ACAD FILE:	SCALE: 1' = 500'	DATE April 2003	Figure 3
DSN. BY:	CHK. BY: TQS	APP. BY: KWG			

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APPENDIX B

Field Sampling Forms
For February/March 2004

FIELD INFORMATION FORM

WASTE MANAGEMENT

Site Name: BRADLEY LF

Site No.:

Sample Point: 4915 A (Sample ID)

This Waste Management Field Information Form is Required
This form is to be completed, in addition to any State Forms. The Field Form is submitted along with the Chain of Custody Forms that accompany the sample containers (i.e. with the cooler that is returned to the laboratory).

Laboratory Use Only/Lab ID:

PURGE INFO

PURGE DATE (MM DD YY)	PURGE TIME (2400 Hr Clock)	ELAPSED HRS (hrs:min)	WATER VOL IN CASING (Gallons)	ACTUAL VOL PURGED (Gallons)	WELL VOLs PURGED
021604	0920	55	400	200	~~200~~

Note: For Passive Sampling, replace "Water Vol in Casing" and "Well Vols Purged" w/ Water Vol in Tubing/Flow Cell and Tubing/Flow Cell Vols Purged. Mark changes, record field data, below.

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment ... Dedicated: (Y) or N

Purging Device: E — A- Submersible Pump, B-Peristaltic Pump, C-QED Bladder Pump, D-Bailer, E-Piston Pump, F-Dipper/Bottle

Sampling Device: E

X-Other:

Filter Device: (Y) or N (0.45 µ) or ____ µ (circle or fill in)

Filter Type: A — A-In-line Disposable, B-Pressure, C-Vacuum, X-Other

Sample Tube Type: A — A-Teflon, B-Stainless Steel, C-PVC, D-Polypropylene, X-Other:

WELL DATA

Well Elevation (at TOC): 92845 (ft/msl)

Depth to Water (DTW) (from TOC): 26989 (ft)

Groundwater Elevation (site datum, from TOC): ____ (ft/msl)

Total Well Depth (from TOC): 310 (ft)

Stick Up (from ground elevation): ____ (ft)

Casing ID: 60 (in)

Casing Material: PVC

Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data, unless required by Site/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

STABILIZATION DATA (Optional)

Sample Time (2400 Hr Clock)	Rate/Unit	pH (std)	Conductance (SC/EC) (µmhos/cm @ 25 °C)	Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
0930	4.0 1st	797 1st	.569 1st	24.0	270	22	—	—
0940	8.0 2nd	766 2nd	.558 2nd	21.1	270	33	—	—
0950	12.0 3rd	755 3rd	.559 3rd	21.0	210	34	—	—
1000	16.0 4th	758 4th	.558 4th	20.8	200	38	—	—
1010	20.0	758	.558	20.8	200	38	—	—
Suggested range for 3 consec. readings or note Permit/State requirements:		+/- 0.2	+/- 3%	--	--	+/- 10%	+/- 25 mV	Stabilize

Stabilization Data Fields are Optional *(i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State/Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form.*

FIELD DATA

SAMPLE DATE (MM DD YY)	pH (std)	CONDUCTANCE (umhos/cm @ 25°C)	TEMP. (°C)	TURBIDITY (ntu)	DO (mg/L-ppm)	eH/ORP (mV)	Other: Units gal.
021604	758	.558	20.8	200	38	—	

Final Field Readings are required *(i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site.*

Sample Appearance: clear Odor: None Color: clear Other:

Weather Conditions (required daily, or as conditions change): Direction/Speed: ____ Outlook: ____ Precipitation: Y or (N)

Specific Comments (including purge/well volume calculations if required):

FIELD COMMENTS

* samples collected when readings had stabilized. @ 20 gal.
* samples collected @ 1015 HRS.
* FIELD BLANK COLLECTED NEAR WELL @ 1035 HRS.

I certify that sampling procedures were in accordance with applicable EPA, State, and WM protocols (if more than one sampler, all should sign):

Date	Name	Signature	Company
8/16/04	Ernesto Martinez	[signature]	SCS-FS.

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample. YELLOW - Returned to Client. PINK - Field Copy

STL-8029WM R: 12/00

FIELD INFORMATION FORM

WASTE MANAGEMENT

Site Name: BRADLEY LF

Site No.:

Sample Point: A9 1 5 C (Sample ID)

This Waste Management Field Information Form is Required
This form is to be completed, in addition to any State Forms. The Field Form is submitted along with the Chain of Custody Forms that accompany the sample containers (i.e. with the cooler that is returned to the laboratory).

Laboratory Use Only/Lab ID:

PURGE INFO

PURGE DATE (MM DD YY)	PURGE TIME (2400 Hr Clock)	ELAPSED HRS (hrs:min)	WATER VOL IN CASING (Gallons)	ACTUAL VOL PURGED (Gallons)	WELL VOLs PURGED
021604	1130	+55	209	150	~~150~~

Note: For Passive Sampling, replace "Water Vol in Casing" and "Well Vols Purged" w/ Water Vol in Tubing/Flow Cell and Tubing/Flow Cell Vols Purged. Mark changes, record field data, below.

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment ... Dedicated: (Y) or N

Filter Device: (Y) or N (0.45 µ) or ____ µ (circle or fill in)

Purging Device: E — A- Submersible Pump, B-Peristaltic Pump, C-QED Bladder Pump, D-Bailer, E-Piston Pump, F-Dipper/Bottle

Sampling Device: E

X-Other:

Filter Type: A — A-In-line Disposable, B-Pressure, C-Vacuum, X-Other

Sample Tube Type: A — A-Teflon, B-Stainless Steel, C-PVC, D-Polypropylene, X-Other:

WELL DATA

Well Elevation (at TOC)	Depth to Water (DTW) (from TOC)	Groundwater Elevation (site datum, from TOC)
927.90 (ft/msl)	26.40 (ft)	693.34 (ft/msl)

Total Well Depth (from TOC)	Stick Up (from ground elevation)	Casing ID	Casing Material
285 (ft)	(ft)	4.5 (in)	PVC

Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data, unless required by Site/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

STABILIZATION DATA (Optional)

Sample Time (2400 Hr Clock)	Rate/Unit	pH (std)	Conductance (SC/EC) (µmhos/cm @ 25 °C)	Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
1140	2.0 1st	7.62 1st	.574 1st	21.4	0.8	3.8	—	—
1154	5.0 2nd	7.51 2nd	.574 2nd	21.4	0.2	3.9	—	—
1205	10.0 3rd	7.50 3rd	.572 3rd	22.1	0.2	3.7	—	—
1215	13.0 4th	7.50 4th	.575 4th	21.6	0.2	4.0	—	—
1221	15.0	7.51	.575	21.5	0.1	4.1	—	—
Suggested range for 3 consec. readings or note Permit/State requirements:		+/- 0.2	+/- 3%	--	--	+/- 10%	+/- 25 mV	Stabilize

Stabilization Data Fields are Optional *(i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State/Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form.*

FIELD DATA

SAMPLE DATE (MM DD YY)	pH (std)	CONDUCTANCE (umhos/cm @ 25°C)	TEMP. (°C)	TURBIDITY (ntu)	DO (mg/L-ppm)	eH/ORP (mV)	Other: Units gal
021604	7.51	.575	21.5	0.1	4.1	—	—

Final Field Readings are required *(i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site.*

FIELD COMMENTS

Sample Appearance: clear Odor: None Color: clear Other:

Weather Conditions (required daily, or as conditions change): Direction/Speed: Outlook: Precipitation: Y or (N)

Specific Comments (including purge/well volume calculations if required):

- Samples collected after all readings had stabilized @ 15gal
- Samples collected at 1225 HRS.

I certify that sampling procedures were in accordance with applicable EPA, State, and WM protocols (if more than one sampler, all should sign):

Date	Name	Signature	Company
2/16/04	Ernesto Martinez	[signature]	SCS-ES.

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy

STL-8029WM R: 12/00

FIELD INFORMATION FORM

WASTE MANAGEMENT

Site Name: BRADLEY LF

Site No.:

Sample Point: 4915 E (Sample ID)

This Waste Management Field Information Form is Required
This form is to be completed, in addition to any State Forms. The Field Form is submitted along with the Chain of Custody Forms that accompany the sample containers (i.e. with the cooler that is returned to the laboratory).

Laboratory Use Only/Lab ID:

PURGE INFO

PURGE DATE (MM DD YY)	PURGE TIME (2400 Hr Clock)	ELAPSED HRS (hrs:min)	WATER VOL IN CASING (Gallons)	ACTUAL VOL PURGED (Gallons)	WELL VOLs PURGED
021604	1310	100	543	250	

Note: For Passive Sampling, replace "Water Vol in Casing" and "Well Vols Purged" w/ Water Vol in Tubing/Flow Cell and Tubing/Flow Cell Vols Purged. Mark changes, record field data, below.

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment ... Dedicated: (Y) or N

Filter Device: (Y) or N (0.45 µ) or ____ µ (circle or fill in)

Purging Device: E — A- Submersible Pump, B-Peristaltic Pump, C-QED Bladder Pump, D-Bailer, E-Piston Pump, F-Dipper/Bottle

Sampling Device: E

X-Other:

Filter Type: A — A-In-line Disposable, B-Pressure, C-Vacuum, X-Other

Sample Tube Type: A — A-Teflon, B-Stainless Steel, C-PVC, D-Polypropylene, X-Other:

WELL DATA

Well Elevation (at TOC): 927.19 (ft/msl)

Depth to Water (DTW) (from TOC): 270.69 (ft)

Groundwater Elevation (site datum, from TOC): (ft/msl)

Total Well Depth (from TOC): 325 (ft)

Stick Up (from ground elevation): (ft)

Casing ID: 4.0 (in)

Casing Material: PVC

Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data, unless required by Site/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

STABILIZATION DATA (Optional)

Sample Time (2400 Hr Clock)	Rate/Unit	pH (std)	Conductance (SC/EC) (µmhos/cm @ 25 °C)	Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
1324	4.0 1st	7.29 1st	.518 1st	24.6	13	4.5	—	—
1335	10.0 2nd	7.32 2nd	.520 2nd	23.1	11	4.8	—	—
1346	15.0 3rd	7.36 3rd	.521 3rd	22.5	08	4.7	—	—
1356	20.0 4th	7.38 4th	.518 4th	22.8	10	4.5	—	—
1406	25.0	7.40	.519	22.8	08	4.7	—	—
Suggested range for 3 consec. readings or note Permit/State requirements:		+/- 0.2	+/- 3%	--	--	+/- 10%	+/- 25 mV	Stabilize

Stabilization Data Fields are Optional *(i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State/Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form.*

FIELD DATA

SAMPLE DATE (MM DD YY)	pH (std)	CONDUCTANCE (umhos/cm @ 25°C)	TEMP. (°C)	TURBIDITY (ntu)	DO (mg/L-ppm)	eH/ORP (mV)	Other: Units Gal
021604	7.40	.519	22.8	08	4.7	—	—

Final Field Readings are required *(i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site.*

FIELD COMMENTS

Sample Appearance: clear — Odor: None — Color: clear — Other:

Weather Conditions (required daily, or as conditions change): Direction/Speed: Outlook: Precipitation: Y or (N)

Specific Comments (including purge/well volume calculations if required):

* Samples collected after all readings had stabilized @ 2592L
- Samples collected @ 1410 HRS.

I certify that sampling procedures were in accordance with applicable EPA, State, and WM protocols (if more than one sampler, all should sign):

Date	Name	Signature	Company
02/16/04	Ernesto Martinez	[signature]	SCC - FS.

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy

STL-8029WM R: 12/00

FIELD INFORMATION FORM

WASTE MANAGEMENT

Site Name: BRADLEY LF

Site No.:

Sample Point: 4915 M (Sample ID)

This Waste Management Field Information Form is Required
This form is to be completed, in addition to any State Forms. The Field Form is submitted along with the Chain of Custody Forms that accompany the sample containers (i.e. with the cooler that is returned to the laboratory).

Laboratory Use Only/Lab ID:

PURGE INFO

PURGE DATE (MM DD YY)	PURGE TIME (2400 Hr Clock)	ELAPSED HRS (hrs:min)	WATER VOL IN CASING (Gallons)	ACTUAL VOL PURGED (Gallons)	WELL VOLs PURGED
021704	1133	1:18	107	60	--

Note: For Passive Sampling, replace "Water Vol in Casing" and "Well Vols Purged" w/ Water Vol in Tubing/Flow Cell and Tubing/Flow Cell Vols Purged. Mark changes, record field data, below.

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment ... Dedicated: (Y) or N

Filter Device: (Y) or N (0.45 µ) or ____ µ (circle or fill in)

Purging Device: C — A- Submersible Pump, B-Peristaltic Pump, C-QED Bladder Pump, D-Bailer, E-Piston Pump, F-Dipper/Bottle

Sampling Device: C

X-Other:

Filter Type: A — A-In-line Disposable, B-Pressure, C-Vacuum, X-Other

Sample Tube Type: A — A-Teflon, B-Stainless Steel, C-PVC, D-Polypropylene, X-Other:

WELL DATA

Well Elevation (at TOC): 8917 (ft/msl)

Depth to Water (DTW) (from TOC): 26.25 (ft)

Groundwater Elevation (site datum, from TOC): ____ (ft/msl)

Total Well Depth (from TOC): 277 (ft)

Stick Up (from ground elevation): ____ (ft)

Casing ID: 4.0 (in)

Casing Material: PVC

Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data, unless required by Site/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

STABILIZATION DATA (Optional)

Sample Time (2400 Hr Clock)	Rate/Unit	pH (std)	Conductance (SC/EC) (µmhos/cm @ 25 °C)	Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
1150	1.0 1st	7.54 1st	.713 1st	19.4	1.6	3.4	--	--
1204	2.0 2nd	7.55 2nd	.713 2nd	19.5	0.2	3.5	--	--
1239	4.0 3rd	7.53 3rd	.707 3rd	19.5	1.1	3.8	--	--
1312	6.0 4th	7.55 4th	.711 4th	19.5	0.4	3.7	--	--
Suggested range for 3 consec. readings or note Permit/State requirements:		+/- 0.2	+/- 3%	--	--	+/- 10%	+/- 25 mV	Stabilize

Stabilization Data Fields are Optional *(i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State/Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form.*

FIELD DATA

SAMPLE DATE (MM DD YY)	pH (std)	CONDUCTANCE (umhos/cm @ 25°C)	TEMP. (°C)	TURBIDITY (ntu)	DO (mg/L-ppm)	eH/ORP (mV)	Other: Units gal.
021704	7.55	.711	19.5	0.4	3.7	--	--

Final Field Readings are required *(i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site.*

Sample Appearance: clear Odor: none Color: clear Other:

Weather Conditions (required daily, or as conditions change): Direction/Speed: ____ Outlook: ____ Precipitation: Y or (N)

Specific Comments (including purge/well volume calculations if required):

FIELD COMMENTS

* Samples collected after all readings had stabilized @ 6 gal.
- Samples collected at 1315 HRS.
- Trip Blank collected near well @ 1355 HRS.

I certify that sampling procedures were in accordance with applicable EPA, State, and WM protocols (if more than one sampler, all should sign):

Date	Name	Signature	Company
02/17/04	Ernesto Martinez	[signature]	SCS. ES.

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample. YELLOW - Returned to Client. PINK - Field Copy

STL-8029WM R: 12/00

FIELD INFORMATION FORM

WASTE MANAGEMENT

Site Name: BRADLEY LF

Site No.:

Sample Point: 4915 D (Sample ID)

This Waste Management Field Information Form is Required
This form is to be completed, in addition to any State Forms. The Field Form is submitted along with the Chain of Custody Forms that accompany the sample containers (i.e. with the cooler that is returned to the laboratory).

Laboratory Use Only/Lab ID:

PURGE INFO

PURGE DATE (MM DD YY)	PURGE TIME (2400 Hr Clock)	ELAPSED HRS (hrs:min)	WATER VOL IN CASING (Gallons)	ACTUAL VOL PURGED (Gallons)	WELL VOLs PURGED
021704	0855	135	509	60	

Note: For Passive Sampling, replace "Water Vol in Casing" and "Well Vols Purged" w/ Water Vol in Tubing/Flow Cell and Tubing/Flow Cell Vols Purged. Mark changes, record field data, below.

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment ... Dedicated: (Y) or N

Filter Device: (Y) or N (0.45) or ____ µ (circle or fill in)

Purging Device: C — A- Submersible Pump, B-Peristaltic Pump, C-QED Bladder Pump, D-Bailer, E-Piston Pump, F-Dipper/Bottle

Sampling Device: C

X-Other:

Filter Type: A — A-In-line Disposable, B-Pressure, C-Vacuum, X-Other

Sample Tube Type: A — A-Teflon, B-Stainless Steel, C-PVC, D-Polypropylene, X-Other:

WELL DATA

Well Elevation (at TOC): 91586 (ft/msl)

Depth to Water (DTW) (from TOC): 27310 (ft)

Groundwater Elevation (site datum, from TOC): 67516 (ft/msl)

Total Well Depth (from TOC): 324 (ft)

Stick Up (from ground elevation): ____ (ft)

Casing ID: 4.0 (in)

Casing Material: PVC

Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data, unless required by Site/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

STABILIZATION DATA (Optional)

Sample Time (2400 Hr Clock)	Rate/Unit	pH (std)	Conductance (SC/EC) (µmhos/cm @ 25 °C)	Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
0915	1.0	1st 7.55	1st .479	22.6	00	3.6	—	—
0942	3.0	2nd 7.55	2nd .479	22.6	00	3.7	—	—
1025	6.0	3rd 7.56	3rd .483	23.2	00	3.4	—	—
		4th	4th					
Suggested range for 3 consec. readings or note Permit/State requirements:		+/- 0.2	+/- 3%	--	--	+/- 10%	+/- 25 mV	Stabilize

Stabilization Data Fields are Optional *(i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State/Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form.*

FIELD DATA

SAMPLE DATE (MM DD YY)	pH (std)	CONDUCTANCE (umhos/cm @ 25°C)	TEMP. (°C)	TURBIDITY (ntu)	DO (mg/L-ppm)	eH/ORP (mV)	Other: Units
021704	7.56	.483	23.2	00	3.4	—	gal.

Final Field Readings are required *(i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site.*

FIELD COMMENTS

Sample Appearance: clear — Odor: none — Color: clear — Other:

Weather Conditions (required daily, or as conditions change): Direction/Speed: ____ Outlook: ____ Precipitation: Y or (N)

Specific Comments (including purge/well volume calculations if required):

* Samples collected after all readings had stabilized @ 6 gal.
* Samples collected @ 1030 HRS.

I certify that sampling procedures were in accordance with applicable EPA, State, and WM protocols (if more than one sampler, all should sign):

Date	Name	Signature	Company
2/17/04	Ernesto Martinez	[signature]	CS-FS.

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy

STL-8029WM R: 12/00

FIELD INFORMATION FORM

WASTE MANAGEMENT

Site Name: BRADLEY LF

Site No.:

Sample Point: 4926 C (Sample ID)

This Waste Management Field Information Form is Required
This form is to be completed, in addition to any State Forms. The Field Form is submitted along with the Chain of Custody Forms that accompany the sample containers (i.e. with the cooler that is returned to the laboratory).

Laboratory Use Only/Lab ID:

PURGE INFO

PURGE DATE (MM DD YY)	PURGE TIME (2400 Hr Clock)	ELAPSED HRS (hrs:min)	WATER VOL IN CASING (Gallons)	ACTUAL VOL PURGED (Gallons)	WELL VOLs PURGED
021904	0745	125	160	60	

Note: For Passive Sampling, replace "Water Vol in Casing" and "Well Vols Purged" w/ Water Vol in Tubing/Flow Cell and Tubing/Flow Cell Vols Purged. Mark changes, record field data, below.

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment ... Dedicated: (Y) or N

Filter Device: (Y) or N (0.45 µ) or ____ µ (circle or fill in)

Purging Device: C — A- Submersible Pump, B-Peristaltic Pump, C-QED Bladder Pump, D-Bailer, E-Piston Pump, F-Dipper/Bottle

Sampling Device: C

X-Other:

Filter Type: A — A-In-line Disposable, B-Pressure, C-Vacuum, X-Other

Sample Tube Type: A — A-Teflon, B-Stainless Steel, C-PVC, D-Polypropylene, X-Other:

WELL DATA

Well Elevation (at TOC): 901.21 (ft/msl)

Depth to Water (DTW) (from TOC): 273.58 (ft)

Groundwater Elevation (site datum, from TOC): ____ (ft/msl)

Total Well Depth (from TOC): 280 (ft)

Stick Up (from ground elevation): ____ (ft)

Casing ID: 4.5 (in)

Casing Material: PVC

Note: Total Well Depth, Stick Up, Casing Id. etc. are optional and can be from historical data, unless required by Site/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

STABILIZATION DATA (Optional)

Sample Time (2400 Hr Clock)	Rate/Unit	pH (std)	Conductance (SC/EC) (µmhos/cm @ 25 °C)	Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
0807	1.0 1st	7.36 1st	.537 1st	23.9	0.9	1.4	—	—
0831	3.0 2nd	7.34 2nd	.534 2nd	24.0	1.2	0.7	—	—
0853	5.0 3rd	7.35 3rd	.533 3rd	23.9	2.1	0.5	—	—
0904	6.0 4th	7.35 4th	.531 4th	24.0	2.0	0.4	—	—
Suggested range for 3 consec. readings or note Permit/State requirements:		+/- 0.2	+/- 3%	–	–	+/- 10%	+/- 25 mV	Stabilize

Stabilization Data Fields are Optional *(i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State/Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form.*

FIELD DATA

SAMPLE DATE (MM DD YY)	pH (std)	CONDUCTANCE (umhos/cm @ 25°C)	TEMP. (°C)	TURBIDITY (ntu)	DO (mg/L-ppm)	eH/ORP (mV)	Other: Units Gal.
021904	7.35	.531	24.0	2.0	0.4	—	—

Final Field Readings are required *(i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site.*

FIELD COMMENTS

Sample Appearance: clear — Odor: None — Color: clear — Other:

Weather Conditions (required daily, or as conditions change): Direction/Speed: ____ Outlook: ____ Precipitation: Y or (N)

Specific Comments (including purge/well volume calculations if required):

* Samples collected when readings had stabilized @ 6 gal
* Samples collected @ 0905 HRS.
* Duplicate Samples collected @ 0935 HRS

I certify that sampling procedures were in accordance with applicable EPA, State, and WM protocols (if more than one sampler, all should sign):

Date	Name	Signature	Company
02.19.04	Ernesto Martinez	[signature]	SCS-FS.

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy

STL-8029WM R: 12/00

FIELD INFORMATION FORM

WASTE MANAGEMENT

Site Name: BRADLEY LF

Site No.:

Sample Point: 4916 G (Sample ID)

This Waste Management Field Information Form is Required
This form is to be completed, in addition to any State Forms. The Field Form is submitted along with the Chain of Custody Forms that accompany the sample containers (i.e. with the cooler that is returned to the laboratory).

Laboratory Use Only/Lab ID:

PURGE INFO

PURGE DATE (MM DD YY)	PURGE TIME (2400 Hr Clock)	ELAPSED HRS (hrs:min)	WATER VOL IN CASING (Gallons)	ACTUAL VOL PURGED (Gallons)	WELL VOLs PURGED
022604	0820	1:45	560	50	

Note: For Passive Sampling, replace "Water Vol in Casing" and "Well Vols Purged" w/ Water Vol in Tubing/Flow Cell and Tubing/Flow Cell Vols Purged. Mark changes, record field data, below.

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment ... Dedicated: (Y) or N

Filter Device: (Y) or N (0.45 µ) or ____ µ (circle or fill in)

Purging Device: C — A- Submersible Pump, B-Peristaltic Pump, C-QED Bladder Pump, D-Bailer, E-Piston Pump, F-Dipper/Bottle

Sampling Device: C

X-Other:

Filter Type: A — A-In-line Disposable, B-Pressure, C-Vacuum, X-Other

Sample Tube Type: D — A-Teflon, B-Stainless Steel, C-PVC, D-Polypropylene, X-Other:

WELL DATA

Well Elevation (at TOC): 90055 (ft/msl)

Depth to Water (DTW) (from TOC): 27545 (ft)

Groundwater Elevation (site datum, from TOC): ____ (ft/msl)

Total Well Depth (from TOC): 363 + (ft)

Stick Up (from ground elevation): ____ (ft)

Casing ID: 4.0 (in)

Casing Material: PVC

Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data, unless required by Site/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

STABILIZATION DATA (Optional)

Sample Time (2400 Hr Clock)	Rate/Unit	pH (std)	Conductance (SC/EC) (µmhos/cm @ 25 °C)	Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
09:00	2.0 1st	7.19 1st	.539 1st	23.0	0.2	1.7	—	—
09:24	3.0 2nd	7.18 2nd	.538 2nd	21.2	0.6	1.8	—	—
09:43	4.0 3rd	7.17 3rd	.538 3rd	23.3	0.7	2.2	—	—
10:00	5.0 4th	7.18 4th	.539 4th	23.4	0.0	2.3	—	—
Suggested range for 3 consec. readings or note Permit/State requirements:		+/- 0.2	+/- 3%	--	--	+/- 10%	+/- 25 mV	Stabilize

Stabilization Data Fields are Optional *(i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State/Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form.*

FIELD DATA

SAMPLE DATE (MM DD YY)	pH (std)	CONDUCTANCE (umhos/cm @ 25°C)	TEMP. (°C)	TURBIDITY (ntu)	DO (mg/L-ppm)	eH/ORP (mV)	Other: Units gal.
022604	7.18	.539	23.4	0.0	2.3	—	—

Final Field Readings are required *(i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site.*

Sample Appearance: clear Odor: None Color: clear Other: —

Weather Conditions (required daily, or as conditions change): Direction/Speed: ____ Outlook: Cloudy Precipitation: Y or (N)

Specific Comments (including purge/well volume calculations if required):

FIELD COMMENTS

- Samples collected after readings had stabilized at 5 gal.
- Samples collected @ 1005 HRS.

I certify that sampling procedures were in accordance with applicable EPA, State, and WM protocols (if more than one sampler, all should sign):

Date	Name	Signature	Company
02/26/04	Ernesto Martinez	[signature]	SS-ES.

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample. YELLOW - Returned to Client. PINK - Field Copy

STL-8029WM R: 12/00

FIELD INFORMATION FORM

WASTE MANAGEMENT

Site Name: BRADLEY LF

Site No.:

Sample Point: 4915 B (Sample ID)

This Waste Management Field Information Form is Required
This form is to be completed, in addition to any State Forms. The Field Form is submitted along with the Chain of Custody Forms that accompany the sample containers (i.e. with the cooler that is returned to the laboratory).

Laboratory Use Only/Lab ID:

PURGE INFO

PURGE DATE (MM DD YY)	PURGE TIME (2400 Hr Clock)	ELAPSED HRS (hrs:min)	WATER VOL IN CASING (Gallons)	ACTUAL VOL PURGED (Gallons)	WELL VOLs PURGED
022704	0745	115	780	60	

Note: For Passive Sampling, replace "Water Vol in Casing" and "Well Vols Purged" w/ Water Vol in Tubing/Flow Cell and Tubing/Flow Cell Vols Purged. Mark changes, record field data, below.

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment ... Dedicated: (Y) or N

Filter Device: (Y) or N (0.45 µ) or _____ µ (circle or fill in)

Purging Device: C — A- Submersible Pump, B-Peristaltic Pump, C-QED Bladder Pump, D-Bailer, E-Piston Pump, F-Dipper/Bottle

Sampling Device: C

X-Other:

Filter Type: A — A-In-line Disposable, B-Pressure, C-Vacuum, X-Other

Sample Tube Type: A — A-Teflon, B-Stainless Steel, C-PVC, D-Polypropylene, X-Other:

WELL DATA

Well Elevation (at TOC): 9764 (ft/msl)

Depth to Water (DTW) (from TOC): 2672 (ft)

Groundwater Elevation (site datum, from TOC): (ft/msl)

Total Well Depth (from TOC): 389 (ft)

Stick Up (from ground elevation): (ft)

Casing ID: 8.0 (in)

Casing Material: STEEL

Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data, unless required by Site/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

STABILIZATION DATA (Optional)

Sample Time (2400 Hr Clock)	Rate/Unit	pH (std)	Conductance (SC/EC) (µmhos/cm @ 25 °C)	Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
0757	1.0 1st	8.54 1st	.460	18.2	0.0	3.5		
0810	2.0 2nd	7.80 2nd	.450	17.3	3.3	3.4		
0832	4.0 3rd	7.75 3rd	.446	17.3	1.2	3.6		
0843	5.0 4th	7.75 4th	.445	17.3	1.2	3.4		
0854	6.0	7.76	.445	17.4	1.5	3.2		
Suggested range for 3 consec. readings or note Permit/State requirements:		+/- 0.2	+/- 3%	--	--	+/- 10%	+/- 25 mV	Stabilize

Stabilization Data Fields are Optional *(i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State/Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form.*

FIELD DATA

SAMPLE DATE (MM DD YY)	pH (std)	CONDUCTANCE (umhos/cm @ 25°C)	TEMP. (°C)	TURBIDITY (ntu)	DO (mg/L-ppm)	eH/ORP (mV)	Other: Units
022704	7.76	.445	17.4	1.5	3.2		gal.

Final Field Readings are required *(i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site.*

Sample Appearance: clear Odor: none Color: clear Other:

Weather Conditions (required daily, or as conditions change): Direction/Speed: Outlook: clear. Precipitation: Y or (N)

Specific Comments (including purge/well volume calculations if required):

FIELD COMMENTS

- Samples Collected after readings had stabilized @ 6 gal.
- Samples collected @ 0900 HRS.

I certify that sampling procedures were in accordance with applicable EPA, State, and WM protocols (if more than one sampler, all should sign):

Date	Name	Signature	Company
02/27/04	Ernesto Martinez	[signature]	SCS-FS.

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy

STL-8029WM R: 12/00

FIELD INFORMATION FORM

WASTE MANAGEMENT

Site Name: BRADLEY LF

Site No.:

Sample Point: 4916 D (Sample ID)

This Waste Management Field Information Form is Required
This form is to be completed, in addition to any State Forms. The Field Form is submitted along with the Chain of Custody Forms that accompany the sample containers (i.e. with the cooler that is returned to the laboratory).

Laboratory Use Only/Lab ID:

PURGE INFO

PURGE DATE (MM DD YY)	PURGE TIME (2400 Hr Clock)	ELAPSED HRS (hrs:min)	WATER VOL IN CASING (Gallons)	ACTUAL VOL PURGED (Gallons)	WELL VOLs PURGED
022704	1035	-125		10000	

Note: For Passive Sampling, replace "Water Vol in Casing" and "Well Vols Purged" w/ Water Vol in Tubing/Flow Cell and Tubing/Flow Cell Vols Purged. Mark changes, record field data, below.

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment ... Dedicated: (Y) or N

Filter Device: (Y) or N (0.45 µ) or ____ µ (circle or fill in)

Purging Device A — A- Submersible Pump, B-Peristaltic Pump, C-QED Bladder Pump, D-Bailer, E-Piston Pump, F-Dipper/Bottle

Sampling Device A

X-Other:

Filter Type: A — A-In-line Disposable, B-Pressure, C-Vacuum, X-Other

Sample Tube Type: A — A-Teflon, B-Stainless Steel, C-PVC, D-Polypropylene, X-Other:

WELL DATA

Well Elevation (at TOC): 8910.7 (ft/msl)

Depth to Water (DTW) (from TOC): -- (ft)

Groundwater Elevation (site datum, from TOC): ____ (ft/msl)

Total Well Depth (from TOC): 325- (ft)

Stick Up (from ground elevation): ____ (ft)

Casing ID: 8.0 (in)

Casing Material: STEEL

Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data, unless required by Site/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

STABILIZATION DATA (Optional)

Sample Time (2400 Hr Clock)	Rate/Unit	pH (std)	Conductance (SC/EC) (µmhos/cm @ 25 °C)	Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
1045	500gal	1st 7.23	1st .592	19.6	500	3.9	--	--
1055	1000	2nd 7.23	2nd .589	19.7	500	3.9	--	--
		3rd	3rd					
		4th	4th					
Suggested range for 3 consec. readings or note Permit/State requirements:		+/- 0.2	+/- 3%	--	--	+/- 10%	+/- 25 mV	Stabilize

Stabilization Data Fields are Optional *(i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State/Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form.*

FIELD DATA

SAMPLE DATE (MM DD YY)	pH (std)	CONDUCTANCE (umhos/cm @ 25°C)	TEMP. (°C)	TURBIDITY (ntu)	DO (mg/L-ppm)	eH/ORP (mV)	Other: ____ Units gal.
022704	7.23	.589	19.7	500	3.9	--	--

Final Field Readings are required *(i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site.*

Sample Appearance: ____ Odor: ____ Color: ____ Other: ____

Weather Conditions (required daily, or as conditions change): Direction/Speed: ____ Outlook: ____ Precipitation: Y or N

Specific Comments (including purge/well volume calculations if required):

FIELD COMMENTS

* Samples collected when readings had stabilized @ 1000gal
* Samples collected @ 1100 HRS.

I certify that sampling procedures were in accordance with applicable EPA, State, and WM protocols (if more than one sampler, all should sign):

Date	Name	Signature	Company
02/27/04	Ernesto Martinez	[signature]	SCS-FS.

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy

STL-8029WM R: 12/00

FIELD INFORMATION FORM

WASTE MANAGEMENT

Site Name: BRADLEY LF

Site No.:

Sample Point: 4916 H (Sample ID)

This Waste Management Field Information Form is Required
This form is to be completed, in addition to any State Forms. The Field Form is submitted along with the Chain of Custody Forms that accompany the sample containers (i.e. with the cooler that is returned to the laboratory).

Laboratory Use Only/Lab ID:

PURGE INFO

PURGE DATE (MM DD YY)	PURGE TIME (2400 Hr Clock)	ELAPSED HRS (hrs:min)	WATER VOL IN CASING (Gallons)	ACTUAL VOL PURGED (Gallons)	WELL VOLs PURGED
030104	0915	140	59	260	

Note: For Passive Sampling, replace "Water Vol in Casing" and "Well Vols Purged" w/ Water Vol in Tubing/Flow Cell and Tubing/Flow Cell Vols Purged. Mark changes, record field data, below.

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment ... Dedicated: (Y) or N

Purging Device: E — A- Submersible Pump, B-Peristaltic Pump, C-QED Bladder Pump, D-Bailer, E-Piston Pump, F-Dipper/Bottle

Sampling Device: E

X-Other:

Filter Device: (Y) or N — (0.45 µ) or ____ µ (circle or fill in)

Filter Type: A — A-In-line Disposable, B-Pressure, C-Vacuum, X-Other

Sample Tube Type: A — A-Teflon, B-Stainless Steel, C-PVC, D-Polypropylene, X-Other:

WELL DATA

Well Elevation (at TOC): 8602.3 (ft/msl)

Depth to Water (DTW) (from TOC): 246 (ft)

Groundwater Elevation (site datum, from TOC): ____ (ft/msl)

Total Well Depth (from TOC): 337 (ft)

Stick Up (from ground elevation): ____ (ft)

Casing ID: 4.0 (in)

Casing Material: PVC

Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data, unless required by Site/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

STABILIZATION DATA (Optional)

Sample Time (2400 Hr Clock)	Rate/Unit	pH (std)	Conductance (SC/EC) (µmhos/cm @ 25 °C)	Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
0925	4.0 1st	7.09 1st	.729 1st	17.6	1.0	1.2	—	—
0930	8.0 2nd	7.12 2nd	.728 2nd	17.4	1.0	0.8	—	—
0935	12.0 3rd	7.11 3rd	.731 3rd	17.9	0.4	1.1	—	—
0940	16.0 4th	7.10 4th	.735 4th	17.9	0.4	1.1	—	—
0945	20.0	7.10	.735	18.0	1.0	1.2	—	—
0950	24.0	7.09	.739	18.0	1.0	1.4	—	—
0952	26.0	7.09	.739	18.1	1.0	1.5	—	—
Suggested range for 3 consec. readings or note Permit/State requirements:		+/- 0.2	+/- 3%	--	--	+/- 10%	+/- 25 mV	Stabilize

Stabilization Data Fields are Optional *(i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State/Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form.*

FIELD DATA

SAMPLE DATE (MM DD YY)	pH (std)	CONDUCTANCE (umhos/cm @ 25°C)	TEMP. (°C)	TURBIDITY (ntu)	DO (mg/L-ppm)	eH/ORP (mV)	Other: ____ Units gal
030104	7.09	.739	18.1	1.0	1.5	—	—

Final Field Readings are required *(i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site.*

Sample Appearance: clear Odor: None Color: clear Other:

Weather Conditions (required daily, or as conditions change): Direction/Speed: ____ Outlook: ____ Precipitation: Y or (N)

Specific Comments (including purge/well volume calculations if required):

FIELD COMMENTS

+ Samples collected after readings had stabilized @ 26 gal
- Samples collected @ 0955 HRS.
- Field Blank collected near well @ 1008 HRS.

I certify that sampling procedures were in accordance with applicable EPA, State, and WM protocols (if more than one sampler, all should sign):

Date	Name	Signature	Company
03/01/04	Ernesto Martinez	[signature]	SCS-ES

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy

STL-8029WM R: 12/00

FIELD INFORMATION FORM

WASTE MANAGEMENT

Site Name: BRADLEY LF

Site No.:

Sample Point: 4916 F (Sample ID)

This Waste Management Field Information Form is Required
This form is to be completed, in addition to any State Forms. The Field Form is submitted along with the Chain of Custody Forms that accompany the sample containers (i.e. with the cooler that is returned to the laboratory).

Laboratory Use Only/Lab ID:

PURGE INFO

PURGE DATE (MM DD YY)	PURGE TIME (2400 Hr Clock)	ELAPSED HRS (hrs:min)	WATER VOL IN CASING (Gallons)	ACTUAL VOL PURGED (Gallons)	WELL VOLs PURGED
030104	0922	— :45	150	100	

Note: For Passive Sampling, replace "Water Vol in Casing" and "Well Vols Purged" w/ Water Vol in Tubing/Flow Cell and Tubing/Flow Cell Vols Purged. Mark changes, record field data, below.

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment ... Dedicated: (Y) or N

Purging Device: E — A- Submersible Pump, B-Peristaltic Pump, C-QED Bladder Pump, D-Bailer, E-Piston Pump, F-Dipper/Bottle

Sampling Device: E

X-Other:

Filter Device: (Y) or N (0.45 µ) or ____ µ (circle or fill in)

Filter Type: A — A-In-line Disposable, B-Pressure, C-Vacuum, X-Other

Sample Tube Type: A — A-Teflon, B-Stainless Steel, C-PVC, D-Polypropylene, X-Other:

WELL DATA

Well Elevation (at TOC): 760.10 (ft/msl)

Depth to Water (DTW) (from TOC): 248.30 (ft)

Groundwater Elevation (site datum, from TOC): ____ (ft/msl)

Total Well Depth (from TOC): 254 — (ft)

Stick Up (from ground elevation): ____ (ft)

Casing ID: 4.5 (in)

Casing Material: PVC

Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data, unless required by Site/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

STABILIZATION DATA (Optional)

Sample Time (2400 Hr Clock)	Rate/Unit	pH (std)	Conductance (SC/EC) (µmhos/cm @ 25 °C)	Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
1027	3.0 1st	7.10 1st	.748 1st	18.9	0.9	2.4	—	—
1034	7.0 2nd	7.04 2nd	.750 2nd	18.6	0.8	1.4	—	—
1040	10.0 3rd	7.05 3rd	.751 3rd	18.8	0.8	1.2	—	—
	4th	4th						
Suggested range for 3 consec. readings or note Permit/State requirements:		+/- 0.2	+/- 3%	--	--	+/- 10%	+/- 25 mV	Stabilize

Stabilization Data Fields are Optional *(i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State/Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form.*

FIELD DATA

SAMPLE DATE (MM DD YY)	pH (std)	CONDUCTANCE (umhos/cm @ 25°C)	TEMP. (°C)	TURBIDITY (ntu)	DO (mg/L-ppm)	eH/ORP (mV)	Other: Units gal.
030104	7.05	.751	18.8	0.8	1.2	—	—

Final Field Readings are required *(i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site.*

FIELD COMMENTS

Sample Appearance: clear — Odor: None — Color: clear — Other:

Weather Conditions (required daily, or as conditions change): Direction/Speed: ____ Outlook: ____ Precipitation: Y or (N)

Specific Comments (including purge/well volume calculations if required):

* Sampler collected after all readings had stabilized. @ 10 gal.

* Sampler collected @ 1045 HRS

I certify that sampling procedures were in accordance with applicable EPA, State, and WM protocols (if more than one sampler, all should sign):

Date	Name	Signature	Company
03/01/04	Ernesto Marling	[signature]	SCS-FS.

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy

STL-8029WM R: 12/00

FIELD INFORMATION FORM

WASTE MANAGEMENT

Site Name: BRADLEY LF

Site No.:

Sample Point: 4916 L (Sample ID)

This Waste Management Field Information Form is Required
This form is to be completed, in addition to any State Forms. The Field Form is submitted along with the Chain of Custody Forms that accompany the sample containers (i.e. with the cooler that is returned to the laboratory).

Laboratory Use Only/Lab ID:

PURGE INFO

PURGE DATE (MM DD YY)	PURGE TIME (2400 Hr Clock)	ELAPSED HRS (hrs:min)	WATER VOL IN CASING (Gallons)	ACTUAL VOL PURGED (Gallons)	WELL VOLs PURGED
030104	1130	125	160	50	

Note: For Passive Sampling, replace "Water Vol in Casing" and "Well Vols Purged" w/ Water Vol in Tubing/Flow Cell and Tubing/Flow Cell Vols Purged. Mark changes, record field data, below.

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment ... Dedicated: (Y) or N

Filter Device: (Y) or N (0.45 µ) or ____ µ (circle or fill in)

Purging Device: C — A- Submersible Pump, B-Peristaltic Pump, C-QED Bladder Pump, D-Bailer, E-Piston Pump, F-Dipper/Bottle

Sampling Device: C

X-Other:

Filter Type: A — A-In-line Disposable, B-Pressure, C-Vacuum, X-Other

Sample Tube Type: A — A-Teflon, B-Stainless Steel, C-PVC, D-Polypropylene, X-Other:

WELL DATA

Well Elevation (at TOC): 8690 (ft/msl)

Depth to Water (DTW) (from TOC): 7416 (ft)

Groundwater Elevation (site datum, from TOC): (ft/msl)

Total Well Depth (from TOC): 266 + (ft)

Stick Up (from ground elevation): (ft)

Casing ID: 4.0 (in)

Casing Material: PVC

Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data, unless required by Site/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

STABILIZATION DATA (Optional)

	Sample Time (2400 Hr Clock)	Rate/Unit	pH (std)	Conductance (SC/EC) (µmhos/cm @ 25 °C)	Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
1st	1147	1.0	775	.638	18.8	29	27	—	—
2nd	1218	3.0	774	.636	18.6	16	43	—	—
3rd	1250	5.0	773	.636	18.4	01	39	—	—
4th									
Suggested range for 3 consec. readings or note Permit/State requirements:			+/- 0.2	+/- 3%	--	--	+/- 10%	+/- 25 mV	Stabilize

Stabilization Data Fields are Optional *(i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State/Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form.*

FIELD DATA

SAMPLE DATE (MM DD YY)	pH (std)	CONDUCTANCE (umhos/cm @ 25°C)	TEMP. (°C)	TURBIDITY (ntu)	DO (mg/L-ppm)	eH/ORP (mV)	Other: Units gal.
030104	773	.636	18.4		39	—	—

Final Field Readings are required *(i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site.*

FIELD COMMENTS

Sample Appearance: clear Odor: none Color: clear Other:

Weather Conditions (required daily, or as conditions change): Direction/Speed: Outlook: Precipitation: Y or (N)

Specific Comments (including purge/well volume calculations if required):

* Samples collected after all readings had stabilized @ 5 gal.

* Samples collected @ 1255 HRS.

I certify that sampling procedures were in accordance with applicable EPA, State, and WM protocols (if more than one sampler, all should sign):

Date	Name	Signature	Company
09/01/04	Ernesto Martinez	[signature]	SCS-FS-

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy

STL-8029WM R: 12/00

FIELD INFORMATION FORM

WASTE MANAGEMENT

Site Name: BRADLEY LF

Site No.:

Sample Point: 4916 J (Sample ID)

This Waste Management Field Information Form is Required
This form is to be completed, in addition to any State Forms. The Field Form is submitted along with the Chain of Custody Forms that accompany the sample containers (i.e. with the cooler that is returned to the laboratory).

Laboratory Use Only/Lab ID:

PURGE INFO

PURGE DATE (MM DD YY)	PURGE TIME (2400 Hr Clock)	ELAPSED HRS (hrs:min)	WATER VOL IN CASING (Gallons)	ACTUAL VOL PURGED (Gallons)	WELL VOLs PURGED
030404	0815	115	300	70	

Note: For Passive Sampling, replace "Water Vol in Casing" and "Well Vols Purged" w/ Water Vol in Tubing/Flow Cell and Tubing/Flow Cell Vols Purged. Mark changes, record field data, below.

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment ... Dedicated: (Y) or N

Filter Device: (Y) or N (0.45 µ) or ____ µ (circle or fill in)

Purging Device: C — A- Submersible Pump, B-Peristaltic Pump, C-QED Bladder Pump, D-Bailer, E-Piston Pump, F-Dipper/Bottle

Sampling Device: C

Filter Type: A — A-In-line Disposable, B-Pressure, C-Vacuum, X-Other ____

X-Other:

Sample Tube Type: A — A-Teflon, B-Stainless Steel, C-PVC, D-Polypropylene, X-Other: ____

WELL DATA

Well Elevation (at TOC): 867.13 (ft/msl)

Depth to Water (DTW) (from TOC): 262.97 (ft)

Groundwater Elevation (site datum, from TOC): ____ (ft/msl)

Total Well Depth (from TOC): 310 (ft)

Stick Up (from ground elevation): ____ (ft)

Casing ID: 4.0 (in)

Casing Material: PVC

Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data, unless required by Site/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

STABILIZATION DATA (Optional)

Sample Time (2400 Hr Clock)	Rate/Unit	pH (std)	Conductance (SC/EC) (µmhos/cm @ 25 °C)	Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
08:40	2.0 1st	6.90 1st	.734	18.0	2.2	1.3	—	—
09:00	4.0 2nd	6.88 2nd	.733	18.2	0.5	0.7	—	—
09:20	6.0 3rd	6.90 3rd	.734	18.3	1.6	0.6	—	—
09:30	7.0 4th	6.89 4th	.733	18.2	0.0	0.6	—	—
Suggested range for 3 consec. readings or note Permit/State requirements:		+/- 0.2	+/- 3%	--	--	+/- 10%	+/- 25 mV	Stabilize

Stabilization Data Fields are Optional *(i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State/Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form.*

FIELD DATA

SAMPLE DATE (MM DD YY)	pH (std)	CONDUCTANCE (umhos/cm @ 25°C)	TEMP. (°C)	TURBIDITY (ntu)	DO (mg/L-ppm)	eH/ORP (mV)	Other: Units gal.
030404	6.89	.733	18.2	0.0	0.6	—	—

Final Field Readings are required *(i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site.*

Sample Appearance: clear Odor: None Color: clear Other: ____

Weather Conditions (required daily, or as conditions change): Direction/Speed: ____ Outlook: ____ Precipitation: Y or (N)

Specific Comments (including purge/well volume calculations if required):

FIELD COMMENTS

- Samples collected when readings had stabilized @ 7 gal.
- Samples collected @ 0930HRS.

I certify that sampling procedures were in accordance with applicable EPA, State, and WM protocols (if more than one sampler, all should sign):

Date	Name	Signature	Company
03/04/04	Ernesto Martinez	[signature]	SCS-ES.

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy

STL-8029WM R: 12/00

APPENDIX C

Well Inspection Forms For February 2004

BRADLEY LANDFILL
MONITORING WELL INSPECTION FORM SURVEY

Groundwater Well ID: 4915 A

Permit Well ID: _____

Evaluator: E. MARTINEZ

Evaluation Date: 2/12/04

Location	(circle one)		
1. Is the well located appropriately shown on the facility Permit and/or design drawing?	(YES)	NO	NA
2. Are the wells in hard to find areas adequately flagged?	(YES)	NO	NA
3. Is the well elevation information correct?	YES	NO	NA

WELL CHARACTERISTICS & INTEGRITY

1. Is the well ☒ Aboveground ☐ Flush with the surface?

2. Is there any physical damage to the well or casing?	YES	(NO)
3. Is the ID of the well located inside of the casing?	(YES)	NO
4. Is the ID of the well on the outside of the casing?	(YES)	NO
5. Does the casing have protective posts?	(YES)	NO
6. Is the well in or near a low point?	(YES)	NO
7. Does the area around the well appear clean?	(YES)	NO
8. Is the casing secure?	(YES)	NO
9. Surface free of cracks, erosion or pounding?	YES	(NO)
10. Is the well locked to prevent unauthorized access?	(YES)	NO
11. Is the cap void of large gaps, which would breach security?	(YES)	NO
12. Top cap rust free?	(YES)	NO

COMMENTS: PISTON PUMP.

BRADLEY LANDFILL
MONITORING WELL INSPECTION FORM SURVEY

Groundwater Well ID: 4915C

Permit Well ID: _____

Evaluator: E. MARTINEZ

Evaluation Date: 2/12/04

Location (circle one)

1. Is the well located appropriately shown on the facility Permit and/or design drawing? YES NO NA
2. Are the wells in hard to find areas adequately flagged? YES NO NA
3. Is the well elevation information correct? YES NO NA

WELL CHARACTERISTICS & INTEGRITY

1. Is the well ☒ Aboveground ☐ Flush with the surface?
2. Is there any physical damage to the well or casing? YES NO
3. Is the ID of the well located inside of the casing? YES NO
4. Is the ID of the well on the outside of the casing? YES NO
5. Does the casing have protective posts? YES NO
6. Is the well in or near a low point? YES NO
7. Does the area around the well appear clean? YES NO
8. Is the casing secure? YES NO
9. Surface free of cracks, erosion or pounding? YES NO
10. Is the well locked to prevent unauthorized access? YES NO
11. Is the cap void of large gaps, which would breach security? YES NO
12. Top cap rust free? YES NO

COMMENTS: PISTON Pump.

BRADLEY LANDFILL
MONITORING WELL INSPECTION FORM SURVEY

Groundwater Well ID: 4915 E

Permit Well ID: _____

Evaluator: E. MARTINEZ

Evaluation Date: 2/12/04

Location (circle one)

1. Is the well located appropriately shown on the facility Permit and/or design drawing? (YES) NO NA
2. Are the wells in hard to find areas adequately flagged? (YES) NO NA
3. Is the well elevation information correct? YES NO NA

WELL CHARACTERISTICS & INTEGRITY

1. Is the well ☒ Aboveground ☐ Flush with the surface?
2. Is there any physical damage to the well or casing? YES (NO)
3. Is the ID of the well located inside of the casing? (YES) NO
4. Is the ID of the well on the outside of the casing? (YES) NO
5. Does the casing have protective posts? (YES) NO
6. Is the well in or near a low point? YES (NO)
7. Does the area around the well appear clean? (YES) NO
8. Is the casing secure? (YES) NO
9. Surface free of cracks, erosion or pounding? (YES) NO
10. Is the well locked to prevent unauthorized access? (YES) NO
11. Is the cap void of large gaps, which would breach security? (YES) NO
12. Top cap rust free? (YES) NO

COMMENTS: PISTON PUMP.

BRADLEY LANDFILL
MONITORING WELL INSPECTION FORM SURVEY

Groundwater Well ID: 4915 D

Permit Well ID: _____

Evaluator: E. MARTINEZ

Evaluation Date: 2/12/04

Location _____ (circle one)

1. Is the well located appropriately shown on the facility Permit and/or design drawing? YES NO NA
2. Are the wells in hard to find areas adequately flagged? YES NO NA
3. Is the well elevation information correct? YES NO NA

WELL CHARACTERISTICS & INTEGRITY

1. Is the well ☒ Aboveground ☐ Flush with the surface?
2. Is there any physical damage to the well or casing? YES NO
3. Is the ID of the well located inside of the casing? YES NO
4. Is the ID of the well on the outside of the casing? YES NO
5. Does the casing have protective posts? YES NO
6. Is the well in or near a low point? YES NO
7. Does the area around the well appear clean? YES NO
8. Is the casing secure? YES NO
9. Surface free of cracks, erosion or pounding? YES NO
10. Is the well locked to prevent unauthorized access? YES NO
11. Is the cap void of large gaps, which would breach security? YES NO
12. Top cap rust free? YES NO

COMMENTS: QED PUMP.

BRADLEY LANDFILL
MONITORING WELL INSPECTION FORM SURVEY

Groundwater Well ID: 4915 M

Permit Well ID: _____

Evaluator: E. MARTINEZ

Evaluation Date: 2/12/04

Location (circle one)

1. Is the well located appropriately shown on the facility Permit and/or design drawing? (YES) NO NA
2. Are the wells in hard to find areas adequately flagged? (YES) NO NA
3. Is the well elevation information correct? YES NO NA

WELL CHARACTERISTICS & INTEGRITY

1. Is the well ☒ Aboveground ☐ Flush with the surface?
2. Is there any physical damage to the well or casing? YES (NO)
3. Is the ID of the well located inside of the casing? (YES) NO
4. Is the ID of the well on the outside of the casing? (YES) NO
5. Does the casing have protective posts? (YES) NO
6. Is the well in or near a low point? YES (NO)
7. Does the area around the well appear clean? (YES) NO
8. Is the casing secure? (YES) NO
9. Surface free of cracks, erosion or pounding? (YES) NO
10. Is the well locked to prevent unauthorized access? (YES) NO
11. Is the cap void of large gaps, which would breach security? (YES) NO
12. Top cap rust free? (YES) NO

COMMENTS: QED PUMP.

BRADLEY LANDFILL
MONITORING WELL INSPECTION FORM SURVEY

Groundwater Well ID: 4914D

Permit Well ID: _____

Evaluator: E. MARTINEZ

Evaluation Date: 2/12/04

Location (circle one)

1. Is the well located appropriately shown on the facility Permit and/or design drawing? (YES) NO NA
2. Are the wells in hard to find areas adequately flagged? (YES) NO NA
3. Is the well elevation information correct? YES NO NA

WELL CHARACTERISTICS & INTEGRITY

1. Is the well ☒ Aboveground ☐ Flush with the surface?
2. Is there any physical damage to the well or casing? YES (NO)
3. Is the ID of the well located inside of the casing? ~~YES~~ NO (N/A)
4. Is the ID of the well on the outside of the casing? (YES) NO
5. Does the casing have protective posts? (YES) NO
6. Is the well in or near a low point? YES (NO)
7. Does the area around the well appear clean? (YES) NO
8. Is the casing secure? (YES) NO
9. Surface free of cracks, erosion or pounding? (YES) NO
10. Is the well locked to prevent unauthorized access? (YES) NO
11. Is the cap void of large gaps, which would breach security? (YES) NO
12. Top cap rust free? (YES) NO

COMMENTS: SUBMERSIBLE PUMP.

BRADLEY LANDFILL
MONITORING WELL INSPECTION FORM SURVEY

Groundwater Well ID: 4916 C

Permit Well ID: _____

Evaluator: E. MARTINEZ

Evaluation Date: 2/12/04

Location (circle one)

1. Is the well located appropriately shown on the facility Permit and/or design drawing? (YES) NO NA
2. Are the wells in hard to find areas adequately flagged? (YES) NO NA
3. Is the well elevation information correct? YES NO NA

WELL CHARACTERISTICS & INTEGRITY

1. Is the well ☒ Aboveground ☐ Flush with the surface?
2. Is there any physical damage to the well or casing? YES (NO)
3. Is the ID of the well located inside of the casing? YES NO (N/A)
4. Is the ID of the well on the outside of the casing? (YES) NO
5. Does the casing have protective posts? YES (NO)
6. Is the well in or near a low point? (YES) NO
7. Does the area around the well appear clean? (YES) NO
8. Is the casing secure? (YES) NO
9. Surface free of cracks, erosion or pounding? (YES) NO
10. Is the well locked to prevent unauthorized access? (YES) NO
11. Is the cap void of large gaps, which would breach security? (YES) NO
12. Top cap rust free? YES (NO)

COMMENTS: SUBMERSIBLE PUMP.

BRADLEY LANDFILL
MONITORING WELL INSPECTION FORM SURVEY

Groundwater Well ID: 4914 L

Permit Well ID: _____

Evaluator: E. MARTINEZ

Evaluation Date: 2/12/04

Location (circle one)

1. Is the well located appropriately shown on the facility Permit and/or design drawing? (YES) NO NA
2. Are the wells in hard to find areas adequately flagged? (YES) NO NA
3. Is the well elevation information correct? YES NO NA

WELL CHARACTERISTICS & INTEGRITY

1. Is the well ☒ Aboveground ☐ Flush with the surface?
2. Is there any physical damage to the well or casing? YES (NO)
3. Is the ID of the well located inside of the casing? (YES) NO
4. Is the ID of the well on the outside of the casing? (YES) NO
5. Does the casing have protective posts? YES (NO)
6. Is the well in or near a low point? YES (NO)
7. Does the area around the well appear clean? (YES) NO
8. Is the casing secure? (YES) NO
9. Surface free of cracks, erosion or pounding? (YES) NO
10. Is the well locked to prevent unauthorized access? (YES) NO
11. Is the cap void of large gaps, which would breach security? (YES) NO
12. Top cap rust free? (YES) NO

COMMENTS: RED PUMP.

BRADLEY LANDFILL
MONITORING WELL INSPECTION FORM SURVEY

Groundwater Well ID: 4916 H

Permit Well ID: _____

Evaluator: E. MARTINEZ

Evaluation Date: 2/12/04

Location (circle one)

1. Is the well located appropriately shown on the facility Permit and/or design drawing? (YES) NO NA
2. Are the wells in hard to find areas adequately flagged? (YES) NO NA
3. Is the well elevation information correct? YES NO NA

WELL CHARACTERISTICS & INTEGRITY

1. Is the well ☒ Aboveground ☐ Flush with the surface?
2. Is there any physical damage to the well or casing? YES (NO)
3. Is the ID of the well located inside of the casing? (YES) NO
4. Is the ID of the well on the outside of the casing? (YES) NO
5. Does the casing have protective posts? (YES) NO
6. Is the well in or near a low point? YES (NO)
7. Does the area around the well appear clean? (YES) NO
8. Is the casing secure? (YES) NO
9. Surface free of cracks, erosion or pounding? (YES) NO
10. Is the well locked to prevent unauthorized access? (YES) NO
11. Is the cap void of large gaps, which would breach security? (YES) NO
12. Top cap rust free? (YES) NO

COMMENTS: Piston Pump.

BRADLEY LANDFILL
MONITORING WELL INSPECTION FORM SURVEY

Groundwater Well ID: 4916 F

Permit Well ID: _____

Evaluator: E. MARTINEZ

Evaluation Date: 2/12/04

Location (circle one)

1. Is the well located appropriately shown on the facility Permit and/or design drawing?	YES	NO	NA
2. Are the wells in hard to find areas adequately flagged?	YES	NO	NA
3. Is the well elevation information correct?	YES	NO	NA

WELL CHARACTERISTICS & INTEGRITY

1. Is the well ☒ Aboveground ☐ Flush with the surface?

2. Is there any physical damage to the well or casing?	YES	NO
3. Is the ID of the well located inside of the casing?	YES	NO
4. Is the ID of the well on the outside of the casing?	YES	NO
5. Does the casing have protective posts?	YES	NO
6. Is the well in or near a low point?	YES	NO
7. Does the area around the well appear clean?	YES	NO
8. Is the casing secure?	YES	NO
9. Surface free of cracks, erosion or pounding?	YES	NO
10. Is the well locked to prevent unauthorized access?	YES	NO
11. Is the cap void of large gaps, which would breach security?	YES	NO
12. Top cap rust free?	YES	NO

COMMENTS: Piston Pump.

BRADLEY LANDFILL
MONITORING WELL INSPECTION FORM SURVEY

Groundwater Well ID: 4914 J

Permit Well ID: _____

Evaluator: E. MARTINEZ

Evaluation Date: 2/12/04

Location	(circle one)		
1. Is the well located appropriately shown on the facility Permit and/or design drawing?	YES	NO	NA
2. Are the wells in hard to find areas adequately flagged?	YES	NO	NA
3. Is the well elevation information correct?	YES	NO	NA

WELL CHARACTERISTICS & INTEGRITY

1. Is the well ☒ Aboveground ☐ Flush with the surface?

2. Is there any physical damage to the well or casing?	YES	NO
3. Is the ID of the well located inside of the casing?	YES	NO
4. Is the ID of the well on the outside of the casing?	YES	NO
5. Does the casing have protective posts?	YES	NO
6. Is the well in or near a low point?	YES	NO
7. Does the area around the well appear clean?	YES	NO
8. Is the casing secure?	YES	NO
9. Surface free of cracks, erosion or pounding?	YES	NO
10. Is the well locked to prevent unauthorized access?	YES	NO
11. Is the cap void of large gaps, which would breach security?	YES	NO
12. Top cap rust free?	YES	NO

COMMENTS: QED PUMP.

BRADLEY LANDFILL
MONITORING WELL INSPECTION FORM SURVEY

Groundwater Well ID: 4915 B

Permit Well ID: _____

Evaluator: E. MARTINEZ

Evaluation Date: 2/12/04

Location (circle one)

1. Is the well located appropriately shown on the facility Permit and/or design drawing? YES NO NA
2. Are the wells in hard to find areas adequately flagged? YES NO NA
3. Is the well elevation information correct? YES NO NA

WELL CHARACTERISTICS & INTEGRITY

1. Is the well ☒ Aboveground ☐ Flush with the surface?
2. Is there any physical damage to the well or casing? YES NO
3. Is the ID of the well located inside of the casing? YES NO
4. Is the ID of the well on the outside of the casing? YES NO
5. Does the casing have protective posts? YES NO
6. Is the well in or near a low point? YES NO
7. Does the area around the well appear clean? YES NO
8. Is the casing secure? YES NO
9. Surface free of cracks, erosion or pounding? YES NO
10. Is the well locked to prevent unauthorized access? YES NO
11. Is the cap void of large gaps, which would breach security? YES NO
12. Top cap rust free? YES NO

COMMENTS: QED Pump.

BRADLEY LANDFILL
MONITORING WELL INSPECTION FORM SURVEY

Groundwater Well ID: 4926 C

Permit Well ID: _____

Evaluator: E. MARTINEZ

Evaluation Date: 2/12/04

Location _____ (circle one)

1. Is the well located appropriately shown on the facility Permit and/or design drawing? (YES) NO NA
2. Are the wells in hard to find areas adequately flagged? (YES) NO NA
3. Is the well elevation information correct? (YES) NO NA

WELL CHARACTERISTICS & INTEGRITY

1. Is the well ☒ Aboveground ☐ Flush with the surface?
2. Is there any physical damage to the well or casing? YES (NO)
3. Is the ID of the well located inside of the casing? (YES) NO
4. Is the ID of the well on the outside of the casing? (YES) NO
5. Does the casing have protective posts? (YES) NO
6. Is the well in or near a low point? YES (NO)
7. Does the area around the well appear clean? (YES) NO
8. Is the casing secure? (YES) NO
9. Surface free of cracks, erosion or pounding? (YES) NO
10. Is the well locked to prevent unauthorized access? (YES) NO
11. Is the cap void of large gaps, which would breach security? (YES) NO
12. Top cap rust free? (YES) NO

COMMENTS: QED PUMP.

BRADLEY LANDFILL
MONITORING WELL INSPECTION FORM SURVEY

Groundwater Well ID: 4916 G

Permit Well ID: _____

Evaluator: E. MARTINEZ

Evaluation Date: 2/12/04

Location (circle one)

1. Is the well located appropriately shown on the facility Permit and/or design drawing? YES NO NA
2. Are the wells in hard to find areas adequately flagged? YES NO NA
3. Is the well elevation information correct? YES NO NA

WELL CHARACTERISTICS & INTEGRITY

1. Is the well ☒ Aboveground ☐ Flush with the surface?
2. Is there any physical damage to the well or casing? YES NO
3. Is the ID of the well located inside of the casing? YES NO
4. Is the ID of the well on the outside of the casing? YES NO
5. Does the casing have protective posts? YES NO
6. Is the well in or near a low point? YES NO
7. Does the area around the well appear clean? YES NO
8. Is the casing secure? YES NO
9. Surface free of cracks, erosion or pounding? YES NO
10. Is the well locked to prevent unauthorized access? YES NO
11. Is the cap void of large gaps, which would breach security? YES NO
12. Top cap rust free? YES NO

COMMENTS: QED Pump.

APPENDIX D

Groundwater
Analytical Laboratory Reports and Chain of Custody Records

SEVERN TRENT STL

STL Denver
4955 Yarrow Street
Arvada, CO 80002

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

ANALYTICAL REPORT

Project No. Site 234

Bradley LF

Lot #: D4B170125

Groundwater

Bruce Matlock

Waste Mgmt. Disp. Serv. of CA
9081 Tujunga
Sun Valley, CA 91352

Cc: Tina Schmiesing

STL DENVER

Betsy Farnaus
Project Manager

March 8, 2004

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- **Executive Summary – Detection Highlights**
- **Methods Summary**
- **Method/Analyst Summary**
- **Lot Sample Summary**
- **Analytical Results**
- **QC Data Association Summary**
- **Chain-of-Custody**

Case Narrative

Enclosed is the report for five samples received at STL's Denver laboratory on February 17, 2004. The results included in this report have been reviewed for compliance with STL's Laboratory Quality Manual. The test results shown in this report meet all requirements of NELAC and any exceptions are noted below.

This report may include data with reporting limits (RLs) less than STL Denver's standard reporting limits. These data and reporting limits are being used specifically to meet the needs of this project. Note that, data are not customarily reported to these levels without qualifiers, because they are inherently less reliable and potentially less defensible than the latest industry standards require. Please contact STL Denver for more details.

Dilution factors and footnotes have been provided to assist in the interpretation of the results. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at concentrations above the linear calibration curve, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

STL utilizes USEPA approved methods in all analytical work. The samples presented in this report were analyzed for the parameters listed on the analytical methods summary page in accordance with the methods indicated. A summary of quality control parameters is provided below.

This report shall not be reproduced except in full, without the written approval of the laboratory.

Quality Control Summary for Lot D4B170125

Sample Receiving

- The cooler temperatures upon receipt at the Denver laboratory were 3.7°C, 2.7°C and 2.6°C.
- One of the two 500 ml sulfuric acid preserved amber bottles was broken in transit, however sufficient volume remained for Method 9020B, Method 410.4 and Method 415.1 analyses. The client was notified.
- All other sample bottles were received in acceptable condition.

Holding Times

- All holding times were within established control limits.

Method Blanks

- Total Copper Method 6010B, Total Beryllium Method 6010B, Specific Conductance Method 120.1 and Total Organic Halogens Method 9020B were detected in the Method Blanks below the project established reporting limits No corrective action is taken for any values in Method Blanks that are below the requested reporting limits. The Method Blank data are included at the end of this report.
- All other Method Blanks were within established control limits.

Laboratory Control Samples

- All Laboratory Control Samples were within established control limits.

Matrix Spike and Matrix Spike Duplicate (MS/MSD)

- The Matrix Spike and Matrix Spike Duplicate performed on an unrelated sample exhibited an MS recovery outside control limits for Sulfate Method 300.0A. Because the corresponding Laboratory Control Sample and the Method Blank sample were within control limits, this anomaly may be due to matrix interference and no corrective action was taken.

- Due to the result concentration exceeding the calibration range the MS/MSD results for Chloride Method 300.0A are estimated.

- The method required MS/MSD could not be performed for Method 9030B/9034 due to insufficient sample volume, however, a LCS/LCSD pair was analyzed to demonstrate method precision.

- All other MS and MSD samples were within established control limits.

EXECUTIVE SUMMARY - Detection Highlights

D4B170125

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
4915A 02/16/04 10:15 001				
Calcium - DISSOLVED	60000	200	ug/L	SW846 6010B
Magnesium - DISSOLVED	17000	200	ug/L	SW846 6010B
Sodium - DISSOLVED	30000	5000	ug/L	SW846 6010B
Potassium - DISSOLVED	4000 B	5000	ug/L	SW846 6010B
Iron - DISSOLVED	120	100	ug/L	SW846 6010B
Manganese	100	10	ug/L	SW846 6010B
Barium	100	100	ug/L	SW846 6010B
Potassium	4600 B	5000	ug/L	SW846 6010B
Chromium	15	10	ug/L	SW846 6010B
Copper	3.0 B,J	10	ug/L	SW846 6010B
Nickel	10 B	40	ug/L	SW846 6010B
Beryllium	1.1 B,J	5.0	ug/L	SW846 6010B
Boron	170	100	ug/L	SW846 6010B
Specific Conductance	500 J	2.0	umhos/cm	MCAWW 120.1
Total Dissolved Solids	340	10	mg/L	MCAWW 160.1
Chloride	27	3.0	mg/L	MCAWW 300.0A
Sulfate	48 Q	25	mg/L	MCAWW 300.0A
Fluoride	0.59 B	1.0	mg/L	MCAWW 300.0A
Nitrate	0.53	0.50	mg/L	MCAWW 300.0A
Bicarbonate Alkalinity	190	5.0	mg/L	MCAWW 310.1
Total Alkalinity	190	5.0	mg/L	MCAWW 310.1
4915C 02/16/04 12:25 002				
Calcium - DISSOLVED	61000	200	ug/L	SW846 6010B
Magnesium - DISSOLVED	17000	200	ug/L	SW846 6010B
Sodium - DISSOLVED	32000	5000	ug/L	SW846 6010B
Potassium - DISSOLVED	4000 B	5000	ug/L	SW846 6010B
Manganese	0.61 B	10	ug/L	SW846 6010B
Barium	90 B	100	ug/L	SW846 6010B
Potassium	4100 B	5000	ug/L	SW846 6010B
Chromium	8.0 B	10	ug/L	SW846 6010B
Copper	3.0 B,J	10	ug/L	SW846 6010B
Nickel	5.2 B	40	ug/L	SW846 6010B
Beryllium	1.3 B,J	5.0	ug/L	SW846 6010B
Boron	180	100	ug/L	SW846 6010B
Bromodichloromethane	0.21 J	5.0	ug/L	SW846 8260B
Chloroform	0.34 J	5.0	ug/L	SW846 8260B
Specific Conductance	560 J	2.0	umhos/cm	MCAWW 120.1
Total Dissolved Solids	320	10	mg/L	MCAWW 160.1

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

D4B170125

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
4915C 02/16/04 12:25 002				
Chloride	30	3.0	mg/L	MCAWW 300.0A
Sulfate	50 Q	25	mg/L	MCAWW 300.0A
Fluoride	0.66 B	1.0	mg/L	MCAWW 300.0A
Nitrate	0.83	0.50	mg/L	MCAWW 300.0A
Total Organic Carbon	0.61 B	1.0	mg/L	MCAWW 415.1
Bicarbonate Alkalinity	190	5.0	mg/L	MCAWW 310.1
Total Alkalinity	190	5.0	mg/L	MCAWW 310.1
4915E 02/16/04 14:10 003				
Calcium - DISSOLVED	54000	200	ug/L	SW846 6010B
Magnesium - DISSOLVED	15000	200	ug/L	SW846 6010B
Sodium - DISSOLVED	30000	5000	ug/L	SW846 6010B
Potassium - DISSOLVED	3900 B	5000	ug/L	SW846 6010B
Iron - DISSOLVED	27 B	100	ug/L	SW846 6010B
Manganese	1.7 B	10	ug/L	SW846 6010B
Barium	85 B	100	ug/L	SW846 6010B
Potassium	4000 B	5000	ug/L	SW846 6010B
Chromium	14	10	ug/L	SW846 6010B
Copper	2.4 B,J	10	ug/L	SW846 6010B
Nickel	7.9 B	40	ug/L	SW846 6010B
Beryllium	0.82 B,J	5.0	ug/L	SW846 6010B
Boron	160	100	ug/L	SW846 6010B
Specific Conductance	530 J	2.0	umhos/cm	MCAWW 120.1
Total Dissolved Solids	310	10	mg/L	MCAWW 160.1
Chloride	25	3.0	mg/L	MCAWW 300.0A
Sulfate	49 Q	25	mg/L	MCAWW 300.0A
Fluoride	0.63 B	1.0	mg/L	MCAWW 300.0A
Nitrate	0.84	0.50	mg/L	MCAWW 300.0A
Bicarbonate Alkalinity	160	5.0	mg/L	MCAWW 310.1
Total Alkalinity	160	5.0	mg/L	MCAWW 310.1

PREPARATION METHODS SUMMARY

D4B170125

PREPARATION DESCRIPTION	PREPARATION METHOD	ANALYTICAL METHOD
Acid Digestion for Total Recoverable Metals	SW846 3005A	SW846 6010B
Bicarbonate Alkalinity	MCAWW 310.1	MCAWW 310.1
Carbonate Alkalinity	MCAWW 310.1	MCAWW 310.1
Chemical Oxygen Demand	MCAWW 410.4	MCAWW 410.4
Chloride	MCAWW 300.0A	MCAWW 300.0A
Continuous Liquid-Liquid Extraction	SW846 3520C	SW846 8270C
Distillation procedure	SW846 9012A	SW846 9012A
Filterable Residue (TDS)	MCAWW 160.1	MCAWW 160.1
Fluoride	MCAWW 300.0A	MCAWW 300.0A
Incubation	MCAWW 405.1	MCAWW 405.1
Mercury Sample Preparation	SW846 7470A	SW846 7470A
Nitrate	MCAWW 300.0A	MCAWW 300.0A
Potentiometric titration to preselected pH	MCAWW 310.1	MCAWW 310.1
Specific Conductance	MCAWW 120.1	MCAWW 120.1
Sulfate	MCAWW 300.0A	MCAWW 300.0A
Sulfides, Total	SW846 9030B/903	SW846 9030B/903
Total Organic Carbon	MCAWW 415.1	MCAWW 415.1
Total Organic Halogens	SW846 9020B	SW846 9020B
25 mL Purge-and-Trap	SW846 5030B/826	SW846 8260B

References:

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

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

ANALYTICAL METHODS SUMMARY

D4B170125

PARAMETER	ANALYTICAL METHOD
Alkalinity	MCAWW 310.1
Bicarbonate Alkalinity	MCAWW 310.1
Biochemical Oxygen Demand	MCAWW 405.1
Carbonate Alkalinity	MCAWW 310.1
Chemical Oxygen Demand	MCAWW 410.4
Chloride	MCAWW 300.0A
Cyanide, Total	SW846 9012A
Filterable Residue (TDS)	MCAWW 160.1
Fluoride	MCAWW 300.0A
Inductively Coupled Plasma (ICP) Metals	SW846 6010B
Mercury in Liquid Waste (Manual Cold-Vapor)	SW846 7470A
Nitrate as N	MCAWW 300.0A
Semivolatile Organic Compounds by GC/MS	SW846 8270C
Specific Conductance	MCAWW 120.1
Sulfate	MCAWW 300.0A
Sulfides, Total 9030B/9034	SW846 9030B/9034
Total Organic Carbon	MCAWW 415.1
Total Organic Halogens	SW846 9020B
Trace Inductively Coupled Plasma (ICP) Metals	SW846 6010B
Volatile Organics by GC/MS	SW846 8260B

References:

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

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

METHOD / ANALYST SUMMARY

D4B170125

ANALYTICAL METHOD	ANALYST	ANALYST ID
MCAWW 120.1	Ewa Kudla	001167
MCAWW 160.1	Jean Carrier	008763
MCAWW 300.0A	Andrita Scofield	004409
MCAWW 310.1	Ewa Kudla	001167
MCAWW 405.1	Jaclyn Dlhos	009462
MCAWW 410.4	Nicole Dean	008504
MCAWW 415.1	Maria Fayard	002596
SW846 6010B	Kristen Roda	5692
SW846 6010B	Lynn-Anne Trudell	006645
SW846 7470A	Kacey Ono	003371
SW846 8260B	Dan Appelhans	001008
SW846 8270C	Rwanda Todea	005716
SW846 9012A	Ewa Kudla	001167
SW846 9020B	Duane Allee	001470
SW846 9030B/9034	Dave Elkin	000901

References:

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

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

SAMPLE SUMMARY

D4B170125

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
F9NPF	001	4915A	02/16/04	10:15
F9NPG	002	4915C	02/16/04	12:25
F9NPH	003	4915E	02/16/04	14:10
F9NPJ	004	FIELD BLANK	02/16/04	10:35
F9NPK	005	TRIP BLANK	02/16/04	14:20

NOTE(S):

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

WASTE MANAGEMENT INC.

Client Sample ID: 4915A

GC/MS Volatiles

Lot-Sample #...: D4B170125-001 **Work Order #...:** F9NPF1AT **Matrix.....:** WATER
Date Sampled...: 02/16/04 10:15 **Date Received..:** 02/17/04
Prep Date.....: 02/26/04 **Analysis Date..:** 02/26/04
Prep Batch #...: 4058310 **Analysis Time..:** 16:39
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	34	ug/L	2.5
Acrylonitrile	ND	100	ug/L	3.1
Benzene	ND	1.0	ug/L	0.17
Bromochloromethane	ND	10	ug/L	0.27
Bromodichloromethane	ND	5.0	ug/L	0.20
Bromoform	ND	5.0	ug/L	0.23
Bromomethane	ND	10	ug/L	0.22
Carbon disulfide	ND	5.0	ug/L	0.24
Carbon tetrachloride	ND	0.50	ug/L	0.20
Chlorobenzene	ND	5.0	ug/L	0.13
Dibromochloromethane	ND	5.0	ug/L	0.19
Chloroethane	ND	10	ug/L	0.18
Chloroform	ND	5.0	ug/L	0.17
Chloromethane	ND	10	ug/L	0.91
Dibromomethane	ND	10	ug/L	0.31
1,2-Dichlorobenzene	ND	10	ug/L	0.15
1,4-Dichlorobenzene	ND	10	ug/L	0.16
trans-1,4-Dichloro-2-butene	ND	10	ug/L	0.45
Dichlorodifluoromethane	ND	10	ug/L	0.22
1,1-Dichloroethane	ND	5.0	ug/L	0.22
1,2-Dichloroethane	ND	5.0	ug/L	0.26
1,1-Dichloroethene	ND	1.0	ug/L	0.23
cis-1,2-Dichloroethene	ND	10	ug/L	0.14
trans-1,2-Dichloroethene	ND	10	ug/L	0.15
1,2-Dichloropropane	ND	5.0	ug/L	0.18
cis-1,3-Dichloropropene	ND	5.0	ug/L	0.19
trans-1,3-Dichloropropene	ND	5.0	ug/L	0.20
Ethylbenzene	ND	5.0	ug/L	0.12
Trichlorofluoromethane	ND	10	ug/L	0.24
2-Hexanone	ND	5.0	ug/L	1.7
Iodomethane	ND	10	ug/L	0.19
Methylene chloride	ND	5.0	ug/L	0.21
4-Methyl-2-pentanone	ND	10	ug/L	0.98
Styrene	ND	5.0	ug/L	0.14
1,1,1,2-Tetrachloroethane	ND	5.0	ug/L	0.21
1,1,2,2-Tetrachloroethane	ND	5.0	ug/L	0.21
Tetrachloroethene	ND	5.0	ug/L	0.26

(Continued on next page)

WASTE MANAGEMENT INC.

Client Sample ID: 4915A

GC/MS Volatiles

Lot-Sample #...: D4B170125-001 **Work Order #...:** F9NPF1AT **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Toluene	ND	1.0	ug/L	0.15
1,1,1-Trichloroethane	ND	5.0	ug/L	0.16
1,1,2-Trichloroethane	ND	5.0	ug/L	0.27
Trichloroethene	ND	5.0	ug/L	0.16
1,2,3-Trichloropropane	ND	10	ug/L	0.33
Vinyl acetate	ND	10	ug/L	0.56
Vinyl chloride	ND	1.0	ug/L	0.19
Xylenes (total)	ND	10	ug/L	0.41
1,2-Dibromo-3-chloropropane (DBCP)	ND	10	ug/L	0.47
1,2-Dibromoethane (EDB)	ND	1.0	ug/L	0.18
2-Butanone (MEK)	ND	10	ug/L	2.0

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	107	(76 - 116)
1,2-Dichloroethane-d4	102	(59 - 129)
4-Bromofluorobenzene	96	(74 - 114)
Toluene-d8	98	(76 - 116)

WASTE MANAGEMENT INC.

Client Sample ID: 4915C

GC/MS Volatiles

Lot-Sample #...: D4B170125-002 **Work Order #...:** F9NPG1A5 **Matrix.....:** WATER
Date Sampled...: 02/16/04 12:25 **Date Received..:** 02/17/04
Prep Date.....: 02/26/04 **Analysis Date..:** 02/26/04
Prep Batch #...: 4058310 **Analysis Time..:** 17:02
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	34	ug/L	2.5
Acrylonitrile	ND	100	ug/L	3.1
Benzene	ND	1.0	ug/L	0.17
Bromochloromethane	ND	10	ug/L	0.27
Bromodichloromethane	**0.21 J**	**5.0**	**ug/L**	**0.20**
Bromoform	ND	5.0	ug/L	0.23
Bromomethane	ND	10	ug/L	0.22
Carbon disulfide	ND	5.0	ug/L	0.24
Carbon tetrachloride	ND	0.50	ug/L	0.20
Chlorobenzene	ND	5.0	ug/L	0.13
Dibromochloromethane	ND	5.0	ug/L	0.19
Chloroethane	ND	10	ug/L	0.18
Chloroform	**0.34 J**	**5.0**	**ug/L**	**0.17**
Chloromethane	ND	10	ug/L	0.91
Dibromomethane	ND	10	ug/L	0.31
1,2-Dichlorobenzene	ND	10	ug/L	0.15
1,4-Dichlorobenzene	ND	10	ug/L	0.16
trans-1,4-Dichloro-2-butene	ND	10	ug/L	0.45
Dichlorodifluoromethane	ND	10	ug/L	0.22
1,1-Dichloroethane	ND	5.0	ug/L	0.22
1,2-Dichloroethane	ND	5.0	ug/L	0.26
1,1-Dichloroethene	ND	1.0	ug/L	0.23
cis-1,2-Dichloroethene	ND	10	ug/L	0.14
trans-1,2-Dichloroethene	ND	10	ug/L	0.15
1,2-Dichloropropane	ND	5.0	ug/L	0.18
cis-1,3-Dichloropropene	ND	5.0	ug/L	0.19
trans-1,3-Dichloropropene	ND	5.0	ug/L	0.20
Ethylbenzene	ND	5.0	ug/L	0.12
Trichlorofluoromethane	ND	10	ug/L	0.24
2-Hexanone	ND	5.0	ug/L	1.7
Iodomethane	ND	10	ug/L	0.19
Methylene chloride	ND	5.0	ug/L	0.21
4-Methyl-2-pentanone	ND	10	ug/L	0.98
Styrene	ND	5.0	ug/L	0.14
1,1,1,2-Tetrachloroethane	ND	5.0	ug/L	0.21
1,1,2,2-Tetrachloroethane	ND	5.0	ug/L	0.21
Tetrachloroethene	ND	5.0	ug/L	0.26

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WASTE MANAGEMENT INC.

Client Sample ID: 4915C

GC/MS Volatiles

Lot-Sample #...: D4B170125-002 **Work Order #...:** F9NPG1A5 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Toluene	ND	1.0	ug/L	0.15
1,1,1-Trichloroethane	ND	5.0	ug/L	0.16
1,1,2-Trichloroethane	ND	5.0	ug/L	0.27
Trichloroethene	ND	5.0	ug/L	0.16
1,2,3-Trichloropropane	ND	10	ug/L	0.33
Vinyl acetate	ND	10	ug/L	0.56
Vinyl chloride	ND	1.0	ug/L	0.19
Xylenes (total)	ND	10	ug/L	0.41
1,2-Dibromo-3-chloropropane (DBCP)	ND	10	ug/L	0.47
1,2-Dibromoethane (EDB)	ND	1.0	ug/L	0.18
2-Butanone (MEK)	ND	10	ug/L	2.0

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	109	(76 - 116)
1,2-Dichloroethane-d4	103	(59 - 129)
4-Bromofluorobenzene	101	(74 - 114)
Toluene-d8	98	(76 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

WASTE MANAGEMENT INC.

Client Sample ID: 4915E

GC/MS Volatiles

Lot-Sample #...: D4B170125-003 **Work Order #...:** F9NPH1A5 **Matrix.....:** WATER
Date Sampled...: 02/16/04 14:10 **Date Received..:** 02/17/04
Prep Date.....: 02/26/04 **Analysis Date..:** 02/26/04
Prep Batch #...: 4058310 **Analysis Time..:** 17:25
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	34	ug/L	2.5
Acrylonitrile	ND	100	ug/L	3.1
Benzene	ND	1.0	ug/L	0.17
Bromochloromethane	ND	10	ug/L	0.27
Bromodichloromethane	ND	5.0	ug/L	0.20
Bromoform	ND	5.0	ug/L	0.23
Bromomethane	ND	10	ug/L	0.22
Carbon disulfide	ND	5.0	ug/L	0.24
Carbon tetrachloride	ND	0.50	ug/L	0.20
Chlorobenzene	ND	5.0	ug/L	0.13
Dibromochloromethane	ND	5.0	ug/L	0.19
Chloroethane	ND	10	ug/L	0.18
Chloroform	ND	5.0	ug/L	0.17
Chloromethane	ND	10	ug/L	0.91
Dibromomethane	ND	10	ug/L	0.31
1,2-Dichlorobenzene	ND	10	ug/L	0.15
1,4-Dichlorobenzene	ND	10	ug/L	0.16
trans-1,4-Dichloro-2-butene	ND	10	ug/L	0.45
Dichlorodifluoromethane	ND	10	ug/L	0.22
1,1-Dichloroethane	ND	5.0	ug/L	0.22
1,2-Dichloroethane	ND	5.0	ug/L	0.26
1,1-Dichloroethene	ND	1.0	ug/L	0.23
cis-1,2-Dichloroethene	ND	10	ug/L	0.14
trans-1,2-Dichloroethene	ND	10	ug/L	0.15
1,2-Dichloropropane	ND	5.0	ug/L	0.18
cis-1,3-Dichloropropene	ND	5.0	ug/L	0.19
trans-1,3-Dichloropropene	ND	5.0	ug/L	0.20
Ethylbenzene	ND	5.0	ug/L	0.12
Trichlorofluoromethane	ND	10	ug/L	0.24
2-Hexanone	ND	5.0	ug/L	1.7
Iodomethane	ND	10	ug/L	0.19
Methylene chloride	ND	5.0	ug/L	0.21
4-Methyl-2-pentanone	ND	10	ug/L	0.98
Styrene	ND	5.0	ug/L	0.14
1,1,1,2-Tetrachloroethane	ND	5.0	ug/L	0.21
1,1,2,2-Tetrachloroethane	ND	5.0	ug/L	0.21
Tetrachloroethene	ND	5.0	ug/L	0.26

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WASTE MANAGEMENT INC.

Client Sample ID: 4915E

GC/MS Volatiles

Lot-Sample #...: D4B170125-003 **Work Order #...:** F9NPH1A5 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Toluene	ND	1.0	ug/L	0.15
1,1,1-Trichloroethane	ND	5.0	ug/L	0.16
1,1,2-Trichloroethane	ND	5.0	ug/L	0.27
Trichloroethene	ND	5.0	ug/L	0.16
1,2,3-Trichloropropane	ND	10	ug/L	0.33
Vinyl acetate	ND	10	ug/L	0.56
Vinyl chloride	ND	1.0	ug/L	0.19
Xylenes (total)	ND	10	ug/L	0.41
1,2-Dibromo-3-chloropropane (DBCP)	ND	10	ug/L	0.47
1,2-Dibromoethane (EDB)	ND	1.0	ug/L	0.18
2-Butanone (MEK)	ND	10	ug/L	2.0

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	110	(76 - 116)
1,2-Dichloroethane-d4	104	(59 - 129)
4-Bromofluorobenzene	100	(74 - 114)
Toluene-d8	100	(76 - 116)

WASTE MANAGEMENT INC.

Client Sample ID: FIELD BLANK

GC/MS Volatiles

Lot-Sample #...: D4B170125-004 **Work Order #...:** F9NPJ1AA **Matrix.....:** WATER
Date Sampled...: 02/16/04 10:35 **Date Received..:** 02/17/04
Prep Date.....: 02/26/04 **Analysis Date..:** 02/26/04
Prep Batch #...: 4058310 **Analysis Time..:** 17:48
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	34	ug/L	2.5
Acrylonitrile	ND	100	ug/L	3.1
Benzene	ND	1.0	ug/L	0.17
Bromochloromethane	ND	10	ug/L	0.27
Bromodichloromethane	ND	5.0	ug/L	0.20
Bromoform	ND	5.0	ug/L	0.23
Bromomethane	ND	10	ug/L	0.22
Carbon disulfide	ND	5.0	ug/L	0.24
Carbon tetrachloride	ND	0.50	ug/L	0.20
Chlorobenzene	ND	5.0	ug/L	0.13
Dibromochloromethane	ND	5.0	ug/L	0.19
Chloroethane	ND	10	ug/L	0.18
Chloroform	ND	5.0	ug/L	0.17
Chloromethane	ND	10	ug/L	0.91
Dibromomethane	ND	10	ug/L	0.31
1,2-Dichlorobenzene	ND	10	ug/L	0.15
1,4-Dichlorobenzene	ND	10	ug/L	0.16
trans-1,4-Dichloro-2-butene	ND	10	ug/L	0.45
Dichlorodifluoromethane	ND	10	ug/L	0.22
1,1-Dichloroethane	ND	5.0	ug/L	0.22
1,2-Dichloroethane	ND	5.0	ug/L	0.26
1,1-Dichloroethene	ND	1.0	ug/L	0.23
cis-1,2-Dichloroethene	ND	10	ug/L	0.14
trans-1,2-Dichloroethene	ND	10	ug/L	0.15
1,2-Dichloropropane	ND	5.0	ug/L	0.18
cis-1,3-Dichloropropene	ND	5.0	ug/L	0.19
trans-1,3-Dichloropropene	ND	5.0	ug/L	0.20
Ethylbenzene	ND	5.0	ug/L	0.12
Trichlorofluoromethane	ND	10	ug/L	0.24
2-Hexanone	ND	5.0	ug/L	1.7
Iodomethane	ND	10	ug/L	0.19
Methylene chloride	ND	5.0	ug/L	0.21
4-Methyl-2-pentanone	ND	10	ug/L	0.98
Styrene	ND	5.0	ug/L	0.14
1,1,1,2-Tetrachloroethane	ND	5.0	ug/L	0.21
1,1,2,2-Tetrachloroethane	ND	5.0	ug/L	0.21
Tetrachloroethene	ND	5.0	ug/L	0.26

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WASTE MANAGEMENT INC.

Client Sample ID: FIELD BLANK

GC/MS Volatiles

Lot-Sample #...: D4B170125-004 **Work Order #...:** F9NPJ1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Toluene	ND	1.0	ug/L	0.15
1,1,1-Trichloroethane	ND	5.0	ug/L	0.16
1,1,2-Trichloroethane	ND	5.0	ug/L	0.27
Trichloroethene	ND	5.0	ug/L	0.16
1,2,3-Trichloropropane	ND	10	ug/L	0.33
Vinyl acetate	ND	10	ug/L	0.56
Vinyl chloride	ND	1.0	ug/L	0.19
Xylenes (total)	ND	10	ug/L	0.41
1,2-Dibromo-3-chloropropane (DBCP)	ND	10	ug/L	0.47
1,2-Dibromoethane (EDB)	ND	1.0	ug/L	0.18
2-Butanone (MEK)	ND	10	ug/L	2.0

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	108	(76 - 116)
1,2-Dichloroethane-d4	103	(59 - 129)
4-Bromofluorobenzene	97	(74 - 114)
Toluene-d8	98	(76 - 116)

WASTE MANAGEMENT INC.

Client Sample ID: TRIP BLANK

GC/MS Volatiles

Lot-Sample #...: D4B170125-005 **Work Order #...:** F9NPK1AA **Matrix.....:** WATER
Date Sampled...: 02/16/04 14:20 **Date Received..:** 02/17/04
Prep Date.....: 02/26/04 **Analysis Date..:** 02/26/04
Prep Batch #...: 4058310 **Analysis Time..:** 18:12
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	34	ug/L	2.5
Acrylonitrile	ND	100	ug/L	3.1
Benzene	ND	1.0	ug/L	0.17
Bromochloromethane	ND	10	ug/L	0.27
Bromodichloromethane	ND	5.0	ug/L	0.20
Bromoform	ND	5.0	ug/L	0.23
Bromomethane	ND	10	ug/L	0.22
Carbon disulfide	ND	5.0	ug/L	0.24
Carbon tetrachloride	ND	0.50	ug/L	0.20
Chlorobenzene	ND	5.0	ug/L	0.13
Dibromochloromethane	ND	5.0	ug/L	0.19
Chloroethane	ND	10	ug/L	0.18
Chloroform	ND	5.0	ug/L	0.17
Chloromethane	ND	10	ug/L	0.91
Dibromomethane	ND	10	ug/L	0.31
1,2-Dichlorobenzene	ND	10	ug/L	0.15
1,4-Dichlorobenzene	ND	10	ug/L	0.16
trans-1,4-Dichloro-2-butene	ND	10	ug/L	0.45
Dichlorodifluoromethane	ND	10	ug/L	0.22
1,1-Dichloroethane	ND	5.0	ug/L	0.22
1,2-Dichloroethane	ND	5.0	ug/L	0.26
1,1-Dichloroethene	ND	1.0	ug/L	0.23
cis-1,2-Dichloroethene	ND	10	ug/L	0.14
trans-1,2-Dichloroethene	ND	10	ug/L	0.15
1,2-Dichloropropane	ND	5.0	ug/L	0.18
cis-1,3-Dichloropropene	ND	5.0	ug/L	0.19
trans-1,3-Dichloropropene	ND	5.0	ug/L	0.20
Ethylbenzene	ND	5.0	ug/L	0.12
Trichlorofluoromethane	ND	10	ug/L	0.24
2-Hexanone	ND	5.0	ug/L	1.7
Iodomethane	ND	10	ug/L	0.19
Methylene chloride	ND	5.0	ug/L	0.21
4-Methyl-2-pentanone	ND	10	ug/L	0.98
Styrene	ND	5.0	ug/L	0.14
1,1,1,2-Tetrachloroethane	ND	5.0	ug/L	0.21
1,1,2,2-Tetrachloroethane	ND	5.0	ug/L	0.21
Tetrachloroethene	ND	5.0	ug/L	0.26

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WASTE MANAGEMENT INC.

Client Sample ID: TRIP BLANK

GC/MS Volatiles

Lot-Sample #...: D4B170125-005 **Work Order #...:** F9NPK1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Toluene	ND	1.0	ug/L	0.15
1,1,1-Trichloroethane	ND	5.0	ug/L	0.16
1,1,2-Trichloroethane	ND	5.0	ug/L	0.27
Trichloroethene	ND	5.0	ug/L	0.16
1,2,3-Trichloropropane	ND	10	ug/L	0.33
Vinyl acetate	ND	10	ug/L	0.56
Vinyl chloride	ND	1.0	ug/L	0.19
Xylenes (total)	ND	10	ug/L	0.41
1,2-Dibromo-3-chloropropane (DBCP)	ND	10	ug/L	0.47
1,2-Dibromoethane (EDB)	ND	1.0	ug/L	0.18
2-Butanone (MEK)	ND	10	ug/L	2.0

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	107	(76 - 116)
1,2-Dichloroethane-d4	102	(59 - 129)
4-Bromofluorobenzene	98	(74 - 114)
Toluene-d8	98	(76 - 116)

WASTE MANAGEMENT INC.

Client Sample ID: 4915A

GC/MS Semivolatiles

Lot-Sample #...: D4B170125-001 **Work Order #...:** F9NPF1A5 **Matrix.....:** WATER
Date Sampled...: 02/16/04 10:15 **Date Received..:** 02/17/04
Prep Date.....: 02/19/04 **Analysis Date..:** 02/24/04
Prep Batch #...: 4050315 **Analysis Time..:** 18:57
Dilution Factor: 1

Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acenaphthene	ND	10	ug/L	0.60
Acenaphthylene	ND	10	ug/L	0.60
Acetophenone	ND	10	ug/L	2.0
2-Acetylaminofluorene	ND	100	ug/L	1.0
4-Aminobiphenyl	ND	50	ug/L	1.0
Anthracene	ND	10	ug/L	3.0
Benzo(a)anthracene	ND	10	ug/L	0.80
Benzo(b)fluoranthene	ND	10	ug/L	0.90
Benzo(k)fluoranthene	ND	10	ug/L	2.0
Benzo(ghi)perylene	ND	10	ug/L	1.0
Benzo(a)pyrene	ND	10	ug/L	0.80
Benzyl alcohol	ND	10	ug/L	1.0
bis(2-Chloroethoxy) methane	ND	10	ug/L	0.90
bis(2-Chloroethyl)-ether	ND	10	ug/L	3.0
bis(2-Ethylhexyl) phthalate	ND	10	ug/L	0.90
4-Bromophenyl phenyl ether	ND	10	ug/L	0.70
Butyl benzyl phthalate	ND	10	ug/L	1.0
4-Chloroaniline	ND	10	ug/L	3.0
Chlorobenzilate	ND	10	ug/L	1.0
4-Chloro-3-methylphenol	ND	10	ug/L	0.80
2-Chloronaphthalene	ND	10	ug/L	0.70
2-Chlorophenol	ND	10	ug/L	0.80
4-Chlorophenyl phenyl ether	ND	10	ug/L	0.60
Chrysene	ND	10	ug/L	0.80
Diallate	ND	20	ug/L	2.0
Dibenz(a,h)anthracene	ND	10	ug/L	0.90
Dibenzofuran	ND	10	ug/L	0.60
Di-n-butyl phthalate	ND	10	ug/L	0.80
3,3'-Dichlorobenzidine	ND	50	ug/L	8.0
2,4-Dichlorophenol	ND	10	ug/L	0.70
2,6-Dichlorophenol	ND	10	ug/L	1.0
Diethyl phthalate	ND	10	ug/L	0.70
Dimethoate	ND	20	ug/L	2.0

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WASTE MANAGEMENT INC.

Client Sample ID: 4915A

GC/MS Semivolatiles

Lot-Sample #...: D4B170125-001 **Work Order #...:** F9NPF1A5 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
4-Dimethylaminoazobenzene	ND	20	ug/L	1.0
7,12-Dimethylbenz(a)-anthracene	ND	20	ug/L	2.0
3,3'-Dimethylbenzidine	ND	20	ug/L	10
2,4-Dimethylphenol	ND	10	ug/L	4.0
Dimethyl phthalate	ND	10	ug/L	0.80
1,3-Dinitrobenzene	ND	10	ug/L	2.0
4,6-Dinitro-2-methylphenol	ND	50	ug/L	6.0
2,4-Dinitrophenol	ND	50	ug/L	6.0
2,4-Dinitrotoluene	ND	10	ug/L	1.0
2,6-Dinitrotoluene	ND	10	ug/L	0.80
Dinoseb	ND	10	ug/L	2.0
Di-n-octyl phthalate	ND	10	ug/L	1.0
Diphenylamine	ND	10	ug/L	1.0
Disulfoton	ND	50	ug/L	6.0
Ethyl methanesulfonate	ND	10	ug/L	2.0
Famphur	ND	200	ug/L	9.0
Fluoranthene	ND	10	ug/L	0.70
Fluorene	ND	10	ug/L	0.60
Hexachlorobenzene	ND	10	ug/L	0.80
Hexachlorobutadiene	ND	10	ug/L	1.0
Hexachlorocyclopentadiene	ND	50	ug/L	5.0
Hexachloroethane	ND	10	ug/L	0.80
Hexachloropropene	ND	100	ug/L	1.0
Indeno(1,2,3-cd)pyrene	ND	10	ug/L	0.80
Isodrin	ND	10	ug/L	3.0
Isophorone	ND	10	ug/L	0.90
Isosafrole	ND	20	ug/L	2.0
Methapyrilene	ND	50	ug/L	30
3-Methylcholanthrene	ND	20	ug/L	3.0
Methyl methanesulfonate	ND	10	ug/L	2.0
2-Methylnaphthalene	ND	10	ug/L	0.80
Methyl parathion	ND	50	ug/L	2.0
2-Methylphenol	ND	10	ug/L	0.90
3-Methylphenol & 4-Methylphenol	ND	10	ug/L	0.80
Naphthalene	ND	10	ug/L	0.80
1,4-Naphthoquinone	ND	50	ug/L	2.0
1-Naphthylamine	ND	10	ug/L	2.0
2-Naphthylamine	ND	10	ug/L	1.0
2-Nitroaniline	ND	50	ug/L	0.90

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WASTE MANAGEMENT INC.

Client Sample ID: 4915A

GC/MS Semivolatiles

Lot-Sample #...: D4B170125-001 **Work Order #...:** F9NPF1A5 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
3-Nitroaniline	ND	50	ug/L	0.90
4-Nitroaniline	ND	50	ug/L	6.0
Nitrobenzene	ND	10	ug/L	2.0
2-Nitrophenol	ND	10	ug/L	0.80
4-Nitrophenol	ND	50	ug/L	7.0
N-Nitrosodi-n-butylamine	ND	10	ug/L	2.0
N-Nitrosodiethylamine	ND	10	ug/L	2.0
N-Nitrosodimethylamine	ND	10	ug/L	0.80
N-Nitrosodiphenylamine	ND	10	ug/L	1.0
N-Nitrosodi-n-propyl-amine	ND	10	ug/L	0.70
N-Nitrosomethylethylamine	ND	10	ug/L	2.0
N-Nitrosopiperidine	ND	10	ug/L	2.0
N-Nitrosopyrrolidine	ND	10	ug/L	2.0
5-Nitro-o-toluidine	ND	20	ug/L	1.0
2,2'-oxybis(1-Chloropropane)	ND	10	ug/L	0.70
Parathion	ND	50	ug/L	2.0
Pentachlorobenzene	ND	10	ug/L	2.0
Pentachloronitrobenzene	ND	50	ug/L	2.0
Pentachlorophenol	ND	50	ug/L	5.0
Phenacetin	ND	20	ug/L	1.0
Phenanthrene	ND	10	ug/L	0.70
Phenol	ND	10	ug/L	0.90
4-Phenylenediamine	ND	100	ug/L	40
Phorate	ND	50	ug/L	1.0
Pronamide	ND	20	ug/L	1.0
Pyrene	ND	10	ug/L	0.80
Safrole	ND	50	ug/L	1.0
1,2,4,5-Tetrachloro-benzene	ND	10	ug/L	2.0
2,3,4,6-Tetrachlorophenol	ND	50	ug/L	5.0
Thionazin	ND	10	ug/L	2.0
o-Toluidine	ND	10	ug/L	2.0
1,2,4-Trichloro-benzene	ND	10	ug/L	0.90
2,4,5-Trichloro-phenol	ND	10	ug/L	1.0
2,4,6-Trichloro-phenol	ND	10	ug/L	0.80
O,O,O-Triethylphosphoro-thioate	ND	50	ug/L	2.0
1,3,5-Trinitrobenzene	ND	50	ug/L	2.0

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WASTE MANAGEMENT INC.

Client Sample ID: 4915A

GC/MS Semivolatiles

Lot-Sample #...: D4B170125-001 **Work Order #...:** F9NPF1A5 **Matrix.....:** WATER

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	78	(32 - 116)
Phenol-d5	80	(40 - 111)
Nitrobenzene-d5	77	(53 - 107)
2-Fluorobiphenyl	74	(31 - 105)
2,4,6-Tribromophenol	82	(42 - 122)
Terphenyl-d14	81	(21 - 125)

WASTE MANAGEMENT INC.

Client Sample ID: 4915C

GC/MS Semivolatiles

Lot-Sample #...: D4B170125-002 **Work Order #...:** F9NPG1AG **Matrix.....:** WATER
Date Sampled...: 02/16/04 12:25 **Date Received..:** 02/17/04
Prep Date.....: 02/19/04 **Analysis Date..:** 02/24/04
Prep Batch #...: 4050315 **Analysis Time..:** 19:23
Dilution Factor: 1

Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acenaphthene	ND	10	ug/L	0.60
Acenaphthylene	ND	10	ug/L	0.60
Acetophenone	ND	10	ug/L	2.0
2-Acetylaminofluorene	ND	100	ug/L	1.0
4-Aminobiphenyl	ND	50	ug/L	1.0
Anthracene	ND	10	ug/L	3.0
Benzo(a)anthracene	ND	10	ug/L	0.80
Benzo(b)fluoranthene	ND	10	ug/L	0.90
Benzo(k)fluoranthene	ND	10	ug/L	2.0
Benzo(ghi)perylene	ND	10	ug/L	1.0
Benzo(a)pyrene	ND	10	ug/L	0.80
Benzyl alcohol	ND	10	ug/L	1.0
bis(2-Chloroethoxy) methane	ND	10	ug/L	0.90
bis(2-Chloroethyl)-ether	ND	10	ug/L	3.0
bis(2-Ethylhexyl) phthalate	ND	10	ug/L	0.90
4-Bromophenyl phenyl ether	ND	10	ug/L	0.70
Butyl benzyl phthalate	ND	10	ug/L	1.0
4-Chloroaniline	ND	10	ug/L	3.0
Chlorobenzilate	ND	10	ug/L	1.0
4-Chloro-3-methylphenol	ND	10	ug/L	0.80
2-Chloronaphthalene	ND	10	ug/L	0.70
2-Chlorophenol	ND	10	ug/L	0.80
4-Chlorophenyl phenyl ether	ND	10	ug/L	0.60
Chrysene	ND	10	ug/L	0.80
Diallate	ND	20	ug/L	2.0
Dibenz(a,h)anthracene	ND	10	ug/L	0.90
Dibenzofuran	ND	10	ug/L	0.60
Di-n-butyl phthalate	ND	10	ug/L	0.80
3,3'-Dichlorobenzidine	ND	50	ug/L	8.0
2,4-Dichlorophenol	ND	10	ug/L	0.70
2,6-Dichlorophenol	ND	10	ug/L	1.0
Diethyl phthalate	ND	10	ug/L	0.70
Dimethoate	ND	20	ug/L	2.0

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WASTE MANAGEMENT INC.

Client Sample ID: 4915C

GC/MS Semivolatiles

Lot-Sample #...: D4B170125-002 **Work Order #...:** F9NPG1AG **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
4-Dimethylaminoazobenzene	ND	20	ug/L	1.0
7,12-Dimethylbenz(a)-anthracene	ND	20	ug/L	2.0
3,3'-Dimethylbenzidine	ND	20	ug/L	10
2,4-Dimethylphenol	ND	10	ug/L	4.0
Dimethyl phthalate	ND	10	ug/L	0.80
1,3-Dinitrobenzene	ND	10	ug/L	2.0
4,6-Dinitro-2-methylphenol	ND	50	ug/L	6.0
2,4-Dinitrophenol	ND	50	ug/L	6.0
2,4-Dinitrotoluene	ND	10	ug/L	1.0
2,6-Dinitrotoluene	ND	10	ug/L	0.80
Dinoseb	ND	10	ug/L	2.0
Di-n-octyl phthalate	ND	10	ug/L	1.0
Diphenylamine	ND	10	ug/L	1.0
Disulfoton	ND	50	ug/L	6.0
Ethyl methanesulfonate	ND	10	ug/L	2.0
Famphur	ND	200	ug/L	9.0
Fluoranthene	ND	10	ug/L	0.70
Fluorene	ND	10	ug/L	0.60
Hexachlorobenzene	ND	10	ug/L	0.80
Hexachlorobutadiene	ND	10	ug/L	1.0
Hexachlorocyclopenta-diene	ND	50	ug/L	5.0
Hexachloroethane	ND	10	ug/L	0.80
Hexachloropropene	ND	100	ug/L	1.0
Indeno(1,2,3-cd)pyrene	ND	10	ug/L	0.80
Isodrin	ND	10	ug/L	3.0
Isophorone	ND	10	ug/L	0.90
Isosafrole	ND	20	ug/L	2.0
Methapyrilene	ND	50	ug/L	30
3-Methylcholanthrene	ND	20	ug/L	3.0
Methyl methanesulfonate	ND	10	ug/L	2.0
2-Methylnaphthalene	ND	10	ug/L	0.80
Methyl parathion	ND	50	ug/L	2.0
2-Methylphenol	ND	10	ug/L	0.90
3-Methylphenol & 4-Methylphenol	ND	10	ug/L	0.80
Naphthalene	ND	10	ug/L	0.80
1,4-Naphthoquinone	ND	50	ug/L	2.0
1-Naphthylamine	ND	10	ug/L	2.0
2-Naphthylamine	ND	10	ug/L	1.0
2-Nitroaniline	ND	50	ug/L	0.90

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WASTE MANAGEMENT INC.

Client Sample ID: 4915C

GC/MS Semivolatiles

Lot-Sample #...: D4B170125-002 **Work Order #...:** F9NPG1AG **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
3-Nitroaniline	ND	50	ug/L	0.90
4-Nitroaniline	ND	50	ug/L	6.0
Nitrobenzene	ND	10	ug/L	2.0
2-Nitrophenol	ND	10	ug/L	0.80
4-Nitrophenol	ND	50	ug/L	7.0
N-Nitrosodi-n-butylamine	ND	10	ug/L	2.0
N-Nitrosodiethylamine	ND	10	ug/L	2.0
N-Nitrosodimethylamine	ND	10	ug/L	0.80
N-Nitrosodiphenylamine	ND	10	ug/L	1.0
N-Nitrosodi-n-propyl-amine	ND	10	ug/L	0.70
N-Nitrosomethylethylamine	ND	10	ug/L	2.0
N-Nitrosopiperidine	ND	10	ug/L	2.0
N-Nitrosopyrrolidine	ND	10	ug/L	2.0
5-Nitro-o-toluidine	ND	20	ug/L	1.0
2,2'-oxybis(1-Chloropropane)	ND	10	ug/L	0.70
Parathion	ND	50	ug/L	2.0
Pentachlorobenzene	ND	10	ug/L	2.0
Pentachloronitrobenzene	ND	50	ug/L	2.0
Pentachlorophenol	ND	50	ug/L	5.0
Phenacetin	ND	20	ug/L	1.0
Phenanthrene	ND	10	ug/L	0.70
Phenol	ND	10	ug/L	0.90
4-Phenylenediamine	ND	100	ug/L	40
Phorate	ND	50	ug/L	1.0
Pronamide	ND	20	ug/L	1.0
Pyrene	ND	10	ug/L	0.80
Safrole	ND	50	ug/L	1.0
1,2,4,5-Tetrachloro-benzene	ND	10	ug/L	2.0
2,3,4,6-Tetrachlorophenol	ND	50	ug/L	5.0
Thionazin	ND	10	ug/L	2.0
o-Toluidine	ND	10	ug/L	2.0
1,2,4-Trichloro-benzene	ND	10	ug/L	0.90
2,4,5-Trichloro-phenol	ND	10	ug/L	1.0
2,4,6-Trichloro-phenol	ND	10	ug/L	0.80
O,O,O-Triethylphosphoro-thioate	ND	50	ug/L	2.0
1,3,5-Trinitrobenzene	ND	50	ug/L	2.0

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WASTE MANAGEMENT INC.

Client Sample ID: 4915C

GC/MS Semivolatiles

Lot-Sample #...: D4B170125-002 **Work Order #...:** F9NPG1AG **Matrix.....:** WATER

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	71	(32 - 116)
Phenol-d5	73	(40 - 111)
Nitrobenzene-d5	68	(53 - 107)
2-Fluorobiphenyl	49	(31 - 105)
2,4,6-Tribromophenol	73	(42 - 122)
Terphenyl-d14	70	(21 - 125)

WASTE MANAGEMENT INC.

Client Sample ID: 4915E

GC/MS Semivolatiles

Lot-Sample #...: D4B170125-003 **Work Order #...:** F9NPH1AG **Matrix.....:** WATER
Date Sampled...: 02/16/04 14:10 **Date Received..:** 02/17/04
Prep Date.....: 02/19/04 **Analysis Date..:** 02/24/04
Prep Batch #...: 4050315 **Analysis Time..:** 19:50
Dilution Factor: 1

Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acenaphthene	ND	10	ug/L	0.60
Acenaphthylene	ND	10	ug/L	0.60
Acetophenone	ND	10	ug/L	2.0
2-Acetylaminofluorene	ND	100	ug/L	1.0
4-Aminobiphenyl	ND	50	ug/L	1.0
Anthracene	ND	10	ug/L	3.0
Benzo(a)anthracene	ND	10	ug/L	0.80
Benzo(b)fluoranthene	ND	10	ug/L	0.90
Benzo(k)fluoranthene	ND	10	ug/L	2.0
Benzo(ghi)perylene	ND	10	ug/L	1.0
Benzo(a)pyrene	ND	10	ug/L	0.80
Benzyl alcohol	ND	10	ug/L	1.0
bis(2-Chloroethoxy) methane	ND	10	ug/L	0.90
bis(2-Chloroethyl)-ether	ND	10	ug/L	3.0
bis(2-Ethylhexyl) phthalate	ND	10	ug/L	0.90
4-Bromophenyl phenyl ether	ND	10	ug/L	0.70
Butyl benzyl phthalate	ND	10	ug/L	1.0
4-Chloroaniline	ND	10	ug/L	3.0
Chlorobenzilate	ND	10	ug/L	1.0
4-Chloro-3-methylphenol	ND	10	ug/L	0.80
2-Chloronaphthalene	ND	10	ug/L	0.70
2-Chlorophenol	ND	10	ug/L	0.80
4-Chlorophenyl phenyl ether	ND	10	ug/L	0.60
Chrysene	ND	10	ug/L	0.80
Diallate	ND	20	ug/L	2.0
Dibenz(a,h)anthracene	ND	10	ug/L	0.90
Dibenzofuran	ND	10	ug/L	0.60
Di-n-butyl phthalate	ND	10	ug/L	0.80
3,3'-Dichlorobenzidine	ND	50	ug/L	8.0
2,4-Dichlorophenol	ND	10	ug/L	0.70
2,6-Dichlorophenol	ND	10	ug/L	1.0
Diethyl phthalate	ND	10	ug/L	0.70
Dimethoate	ND	20	ug/L	2.0

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WASTE MANAGEMENT INC.

Client Sample ID: 4915E

GC/MS Semivolatiles

Lot-Sample #...: D4B170125-003 **Work Order #...:** F9NPH1AG **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
4-Dimethylaminoazobenzene	ND	20	ug/L	1.0
7,12-Dimethylbenz(a)-anthracene	ND	20	ug/L	2.0
3,3'-Dimethylbenzidine	ND	20	ug/L	10
2,4-Dimethylphenol	ND	10	ug/L	4.0
Dimethyl phthalate	ND	10	ug/L	0.80
1,3-Dinitrobenzene	ND	10	ug/L	2.0
4,6-Dinitro-2-methylphenol	ND	50	ug/L	6.0
2,4-Dinitrophenol	ND	50	ug/L	6.0
2,4-Dinitrotoluene	ND	10	ug/L	1.0
2,6-Dinitrotoluene	ND	10	ug/L	0.80
Dinoseb	ND	10	ug/L	2.0
Di-n-octyl phthalate	ND	10	ug/L	1.0
Diphenylamine	ND	10	ug/L	1.0
Disulfoton	ND	50	ug/L	6.0
Ethyl methanesulfonate	ND	10	ug/L	2.0
Famphur	ND	200	ug/L	9.0
Fluoranthene	ND	10	ug/L	0.70
Fluorene	ND	10	ug/L	0.60
Hexachlorobenzene	ND	10	ug/L	0.80
Hexachlorobutadiene	ND	10	ug/L	1.0
Hexachlorocyclopentadiene	ND	50	ug/L	5.0
Hexachloroethane	ND	10	ug/L	0.80
Hexachloropropene	ND	100	ug/L	1.0
Indeno(1,2,3-cd)pyrene	ND	10	ug/L	0.80
Isodrin	ND	10	ug/L	3.0
Isophorone	ND	10	ug/L	0.90
Isosafrole	ND	20	ug/L	2.0
Methapyrilene	ND	50	ug/L	30
3-Methylcholanthrene	ND	20	ug/L	3.0
Methyl methanesulfonate	ND	10	ug/L	2.0
2-Methylnaphthalene	ND	10	ug/L	0.80
Methyl parathion	ND	50	ug/L	2.0
2-Methylphenol	ND	10	ug/L	0.90
3-Methylphenol & 4-Methylphenol	ND	10	ug/L	0.80
Naphthalene	ND	10	ug/L	0.80
1,4-Naphthoquinone	ND	50	ug/L	2.0
1-Naphthylamine	ND	10	ug/L	2.0
2-Naphthylamine	ND	10	ug/L	1.0
2-Nitroaniline	ND	50	ug/L	0.90

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WASTE MANAGEMENT INC.

Client Sample ID: 4915E

GC/MS Semivolatiles

Lot-Sample #...: D4B170125-003 **Work Order #...:** F9NPH1AG **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
3-Nitroaniline	ND	50	ug/L	0.90
4-Nitroaniline	ND	50	ug/L	6.0
Nitrobenzene	ND	10	ug/L	2.0
2-Nitrophenol	ND	10	ug/L	0.80
4-Nitrophenol	ND	50	ug/L	7.0
N-Nitrosodi-n-butylamine	ND	10	ug/L	2.0
N-Nitrosodiethylamine	ND	10	ug/L	2.0
N-Nitrosodimethylamine	ND	10	ug/L	0.80
N-Nitrosodiphenylamine	ND	10	ug/L	1.0
N-Nitrosodi-n-propyl-amine	ND	10	ug/L	0.70
N-Nitrosomethylethylamine	ND	10	ug/L	2.0
N-Nitrosopiperidine	ND	10	ug/L	2.0
N-Nitrosopyrrolidine	ND	10	ug/L	2.0
5-Nitro-o-toluidine	ND	20	ug/L	1.0
2,2'-oxybis(1-Chloropropane)	ND	10	ug/L	0.70
Parathion	ND	50	ug/L	2.0
Pentachlorobenzene	ND	10	ug/L	2.0
Pentachloronitrobenzene	ND	50	ug/L	2.0
Pentachlorophenol	ND	50	ug/L	5.0
Phenacetin	ND	20	ug/L	1.0
Phenanthrene	ND	10	ug/L	0.70
Phenol	ND	10	ug/L	0.90
4-Phenylenediamine	ND	100	ug/L	40
Phorate	ND	50	ug/L	1.0
Pronamide	ND	20	ug/L	1.0
Pyrene	ND	10	ug/L	0.80
Safrole	ND	50	ug/L	1.0
1,2,4,5-Tetrachloro-benzene	ND	10	ug/L	2.0
2,3,4,6-Tetrachlorophenol	ND	50	ug/L	5.0
Thionazin	ND	10	ug/L	2.0
o-Toluidine	ND	10	ug/L	2.0
1,2,4-Trichloro-benzene	ND	10	ug/L	0.90
2,4,5-Trichloro-phenol	ND	10	ug/L	1.0
2,4,6-Trichloro-phenol	ND	10	ug/L	0.80
O,O,O-Triethylphosphoro-thioate	ND	50	ug/L	2.0
1,3,5-Trinitrobenzene	ND	50	ug/L	2.0

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WASTE MANAGEMENT INC.

Client Sample ID: 4915E

GC/MS Semivolatiles

Lot-Sample #...: D4B170125-003 **Work Order #...:** F9NPH1AG **Matrix.....:** WATER

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	72	(32 - 116)
Phenol-d5	71	(40 - 111)
Nitrobenzene-d5	71	(53 - 107)
2-Fluorobiphenyl	66	(31 - 105)
2,4,6-Tribromophenol	76	(42 - 122)
Terphenyl-d14	74	(21 - 125)

WASTE MANAGEMENT INC.

Client Sample ID: 4915A

TOTAL Metals

Lot-Sample #...: D4B170125-001 **Matrix.....:** WATER
Date Sampled...: 02/16/04 10:15 **Date Received..:** 02/17/04

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 4049311						
Mercury	ND	0.20	ug/L	SW846 7470A	02/24-02/25/04	F9NPF1CL
		Dilution Factor: 1		Analysis Time..: 12:23	MDL.....: 0.054	
Prep Batch #...: 4049608						
Manganese	**100**	**10**	**ug/L**	**SW846 6010B**	**02/23-03/02/04**	**F9NPF1AH**
		Dilution Factor: 1		Analysis Time..: 21:56	MDL.....: 0.54	
Barium	**100**	**100**	**ug/L**	**SW846 6010B**	**02/23-02/29/04**	**F9NPF1AJ**
		Dilution Factor: 1		Analysis Time..: 19:37	MDL.....: 0.37	
Potassium	**4600 B**	**5000**	**ug/L**	**SW846 6010B**	**02/23-03/02/04**	**F9NPF1AR**
		Dilution Factor: 1		Analysis Time..: 21:56	MDL.....: 460	
Silver	ND	10	ug/L	SW846 6010B	02/23-02/29/04	F9NPF1A8
		Dilution Factor: 1		Analysis Time..: 19:37	MDL.....: 0.70	
Arsenic	ND	10	ug/L	SW846 6010B	02/23-02/29/04	F9NPF1A9
		Dilution Factor: 1		Analysis Time..: 19:37	MDL.....: 4.9	
Cadmium	ND	5.0	ug/L	SW846 6010B	02/23-02/29/04	F9NPF1CA
		Dilution Factor: 1		Analysis Time..: 19:37	MDL.....: 0.27	
Cobalt	ND	10	ug/L	SW846 6010B	02/23-02/29/04	F9NPF1CC
		Dilution Factor: 1		Analysis Time..: 19:37	MDL.....: 0.67	
Chromium	**15**	**10**	**ug/L**	**SW846 6010B**	**02/23-02/29/04**	**F9NPF1CD**
		Dilution Factor: 1		Analysis Time..: 19:37	MDL.....: 2.1	
Copper	**3.0 B,J**	**10**	**ug/L**	**SW846 6010B**	**02/23-02/29/04**	**F9NPF1CE**
		Dilution Factor: 1		Analysis Time..: 19:37	MDL.....: 0.97	
Nickel	**10 B**	**40**	**ug/L**	**SW846 6010B**	**02/23-02/29/04**	**F9NPF1CF**
		Dilution Factor: 1		Analysis Time..: 19:37	MDL.....: 4.2	
Lead	ND	3.0	ug/L	SW846 6010B	02/23-02/29/04	F9NPF1CG
		Dilution Factor: 1		Analysis Time..: 19:37	MDL.....: 2.1	
Antimony	ND	10	ug/L	SW846 6010B	02/23-02/29/04	F9NPF1CH
		Dilution Factor: 1		Analysis Time..: 19:37	MDL.....: 3.6	

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WASTE MANAGEMENT INC.

Client Sample ID: 4915A

TOTAL Metals

Lot-Sample #...: D4B170125-001 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Selenium	ND	5.0	ug/L	SW846 6010B	02/23-02/29/04	F9NPF1CJ
		Dilution Factor: 1		Analysis Time..: 19:37	MDL.....: 4.6	
Zinc	ND	20	ug/L	SW846 6010B	02/23-02/29/04	F9NPF1CK
		Dilution Factor: 1		Analysis Time..: 19:37	MDL.....: 7.1	
Beryllium	**1.1 B,J**	**5.0**	**ug/L**	**SW846 6010B**	**02/23-03/02/04**	**F9NPF1CM**
		Dilution Factor: 1		Analysis Time..: 21:56	MDL.....: 0.41	
Boron	**170**	**100**	**ug/L**	**SW846 6010B**	**02/23-03/02/04**	**F9NPF1CN**
		Dilution Factor: 1		Analysis Time..: 21:56	MDL.....: 8.3	

NOTE(S):

B Estimated result. Result is less than RL.

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

WASTE MANAGEMENT INC.

Client Sample ID: 4915A

DISSOLVED Metals

Lot-Sample #...: D4B170125-001 **Matrix.....:** WATER
Date Sampled...: 02/16/04 10:15 **Date Received..:** 02/17/04

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 4049606						
Calcium	**60000**	**200**	**ug/L**	**SW846 6010B**	**02/23-03/04/04**	**F9NPF1AU**
		Dilution Factor: 1		Analysis Time..: 07:11	MDL.....: 76	
Magnesium	**17000**	**200**	**ug/L**	**SW846 6010B**	**02/23-03/04/04**	**F9NPF1AV**
		Dilution Factor: 1		Analysis Time..: 07:11	MDL.....: 27	
Sodium	**30000**	**5000**	**ug/L**	**SW846 6010B**	**02/23-03/04/04**	**F9NPF1AW**
		Dilution Factor: 1		Analysis Time..: 07:11	MDL.....: 1100	
Potassium	**4000 B**	**5000**	**ug/L**	**SW846 6010B**	**02/23-03/04/04**	**F9NPF1AX**
		Dilution Factor: 1		Analysis Time..: 07:11	MDL.....: 460	
Iron	**120**	**100**	**ug/L**	**SW846 6010B**	**02/23-03/04/04**	**F9NPF1A2**
		Dilution Factor: 1		Analysis Time..: 07:11	MDL.....: 19	

NOTE(S):

B Estimated result. Result is less than RL.

WASTE MANAGEMENT INC.

Client Sample ID: 4915C

TOTAL Metals

Lot-Sample #...: D4B170125-002 **Matrix.....:** WATER
Date Sampled...: 02/16/04 12:25 **Date Received..:** 02/17/04

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 4049311						
Mercury	ND	0.20	ug/L	SW846 7470A	02/24-02/25/04	F9NPG1CL
		Dilution Factor: 1		Analysis Time..: 12:25	MDL.....: 0.054	
Prep Batch #...: 4049608						
Manganese	**0.61 B**	**10**	**ug/L**	**SW846 6010B**	**02/23-03/02/04**	**F9NPG1AU**
		Dilution Factor: 1		Analysis Time..: 22:14	MDL.....: 0.54	
Barium	**90 B**	**100**	**ug/L**	**SW846 6010B**	**02/23-02/29/04**	**F9NPG1AV**
		Dilution Factor: 1		Analysis Time..: 19:56	MDL.....: 0.37	
Potassium	**4100 B**	**5000**	**ug/L**	**SW846 6010B**	**02/23-03/02/04**	**F9NPG1A4**
		Dilution Factor: 1		Analysis Time..: 22:14	MDL.....: 460	
Silver	ND	10	ug/L	SW846 6010B	02/23-02/29/04	F9NPG1AK
		Dilution Factor: 1		Analysis Time..: 19:56	MDL.....: 0.70	
Arsenic	ND	10	ug/L	SW846 6010B	02/23-02/29/04	F9NPG1AL
		Dilution Factor: 1		Analysis Time..: 19:56	MDL.....: 4.9	
Cadmium	ND	5.0	ug/L	SW846 6010B	02/23-02/29/04	F9NPG1CA
		Dilution Factor: 1		Analysis Time..: 19:56	MDL.....: 0.27	
Cobalt	ND	10	ug/L	SW846 6010B	02/23-02/29/04	F9NPG1CC
		Dilution Factor: 1		Analysis Time..: 19:56	MDL.....: 0.67	
Chromium	**8.0 B**	**10**	**ug/L**	**SW846 6010B**	**02/23-02/29/04**	**F9NPG1CD**
		Dilution Factor: 1		Analysis Time..: 19:56	MDL.....: 2.1	
Copper	**3.0 B,J**	**10**	**ug/L**	**SW846 6010B**	**02/23-02/29/04**	**F9NPG1CE**
		Dilution Factor: 1		Analysis Time..: 19:56	MDL.....: 0.97	
Nickel	**5.2 B**	**40**	**ug/L**	**SW846 6010B**	**02/23-02/29/04**	**F9NPG1CF**
		Dilution Factor: 1		Analysis Time..: 19:56	MDL.....: 4.2	
Lead	ND	3.0	ug/L	SW846 6010B	02/23-02/29/04	F9NPG1CG
		Dilution Factor: 1		Analysis Time..: 19:56	MDL.....: 2.1	
Antimony	ND	10	ug/L	SW846 6010B	02/23-02/29/04	F9NPG1CH
		Dilution Factor: 1		Analysis Time..: 19:56	MDL.....: 3.6	

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WASTE MANAGEMENT INC.

Client Sample ID: 4915C

TOTAL Metals

Lot-Sample #...: D4B170125-002 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Selenium	ND	5.0	ug/L	SW846 6010B	02/23-02/29/04	F9NPG1CJ
		Dilution Factor: 1		Analysis Time..: 19:56	MDL.....: 4.6	
Zinc	ND	20	ug/L	SW846 6010B	02/23-02/29/04	F9NPG1CK
		Dilution Factor: 1		Analysis Time..: 19:56	MDL.....: 7.1	
Beryllium	**1.3 B,J**	**5.0**	**ug/L**	**SW846 6010B**	**02/23-03/02/04**	**F9NPG1CM**
		Dilution Factor: 1		Analysis Time..: 22:14	MDL.....: 0.41	
Boron	**180**	**100**	**ug/L**	**SW846 6010B**	**02/23-03/02/04**	**F9NPG1CN**
		Dilution Factor: 1		Analysis Time..: 22:14	MDL.....: 8.3	

NOTE(S):

B Estimated result. Result is less than RL.

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

WASTE MANAGEMENT INC.

Client Sample ID: 4915C

DISSOLVED Metals

Lot-Sample #...: D4B170125-002 **Matrix.....:** WATER
Date Sampled...: 02/16/04 12:25 **Date Received..:** 02/17/04

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 4049606						
Calcium	**61000**	**200**	**ug/L**	**SW846 6010B**	**02/23-03/04/04**	**F9NPG1A6**
		Dilution Factor: 1		Analysis Time..: 07:15	MDL.....: 76	
Magnesium	**17000**	**200**	**ug/L**	**SW846 6010B**	**02/23-03/04/04**	**F9NPG1A7**
		Dilution Factor: 1		Analysis Time..: 07:15	MDL.....: 27	
Sodium	**32000**	**5000**	**ug/L**	**SW846 6010B**	**02/23-03/04/04**	**F9NPG1A8**
		Dilution Factor: 1		Analysis Time..: 07:15	MDL.....: 1100	
Potassium	**4000 B**	**5000**	**ug/L**	**SW846 6010B**	**02/23-03/04/04**	**F9NPG1A9**
		Dilution Factor: 1		Analysis Time..: 07:15	MDL.....: 460	
Iron	ND	100	ug/L	SW846 6010B	02/23-03/04/04	F9NPG1AD
		Dilution Factor: 1		Analysis Time..: 07:15	MDL.....: 19	

NOTE(S):

B Estimated result. Result is less than RL.

WASTE MANAGEMENT INC.

Client Sample ID: 4915E

TOTAL Metals

Lot-Sample #...: D4B170125-003 **Matrix.....:** WATER
Date Sampled...: 02/16/04 14:10 **Date Received..:** 02/17/04

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 4049311						
Mercury	ND	0.20	ug/L	SW846 7470A	02/24-02/25/04	F9NPH1CL
		Dilution Factor: 1		Analysis Time..: 12:27	MDL.....: 0.054	
Prep Batch #...: 4049608						
Manganese	**1.7 B**	**10**	**ug/L**	**SW846 6010B**	**02/23-03/02/04**	**F9NPH1AU**
		Dilution Factor: 1		Analysis Time..: 22:18	MDL.....: 0.54	
Barium	**85 B**	**100**	**ug/L**	**SW846 6010B**	**02/23-02/29/04**	**F9NPH1AV**
		Dilution Factor: 1		Analysis Time..: 20:01	MDL.....: 0.37	
Potassium	**4000 B**	**5000**	**ug/L**	**SW846 6010B**	**02/23-03/02/04**	**F9NPH1A4**
		Dilution Factor: 1		Analysis Time..: 22:18	MDL.....: 460	
Silver	ND	10	ug/L	SW846 6010B	02/23-02/29/04	F9NPH1AK
		Dilution Factor: 1		Analysis Time..: 20:01	MDL.....: 0.70	
Arsenic	ND	10	ug/L	SW846 6010B	02/23-02/29/04	F9NPH1AL
		Dilution Factor: 1		Analysis Time..: 20:01	MDL.....: 4.9	
Cadmium	ND	5.0	ug/L	SW846 6010B	02/23-02/29/04	F9NPH1CA
		Dilution Factor: 1		Analysis Time..: 20:01	MDL.....: 0.27	
Cobalt	ND	10	ug/L	SW846 6010B	02/23-02/29/04	F9NPH1CC
		Dilution Factor: 1		Analysis Time..: 20:01	MDL.....: 0.67	
Chromium	**14**	**10**	**ug/L**	**SW846 6010B**	**02/23-02/29/04**	**F9NPH1CD**
		Dilution Factor: 1		Analysis Time..: 20:01	MDL.....: 2.1	
Copper	**2.4 B,J**	**10**	**ug/L**	**SW846 6010B**	**02/23-02/29/04**	**F9NPH1CE**
		Dilution Factor: 1		Analysis Time..: 20:01	MDL.....: 0.97	
Nickel	**7.9 B**	**40**	**ug/L**	**SW846 6010B**	**02/23-02/29/04**	**F9NPH1CF**
		Dilution Factor: 1		Analysis Time..: 20:01	MDL.....: 4.2	
Lead	ND	3.0	ug/L	SW846 6010B	02/23-02/29/04	F9NPH1CG
		Dilution Factor: 1		Analysis Time..: 20:01	MDL.....: 2.1	
Antimony	ND	10	ug/L	SW846 6010B	02/23-02/29/04	F9NPH1CH
		Dilution Factor: 1		Analysis Time..: 20:01	MDL.....: 3.6	

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WASTE MANAGEMENT INC.

Client Sample ID: 4915E

TOTAL Metals

Lot-Sample #...: D4B170125-003 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Selenium	ND	5.0	ug/L	SW846 6010B	02/23-02/29/04	F9NPH1CJ
		Dilution Factor: 1		Analysis Time..: 20:01	MDL.....: 4.6	
Zinc	ND	20	ug/L	SW846 6010B	02/23-02/29/04	F9NPH1CK
		Dilution Factor: 1		Analysis Time..: 20:01	MDL.....: 7.1	
Beryllium	**0.82 B,J**	**5.0**	**ug/L**	**SW846 6010B**	**02/23-03/02/04**	**F9NPH1CM**
		Dilution Factor: 1		Analysis Time..: 22:18	MDL.....: 0.41	
Boron	**160**	**100**	**ug/L**	**SW846 6010B**	**02/23-03/02/04**	**F9NPH1CN**
		Dilution Factor: 1		Analysis Time..: 22:18	MDL.....: 8.3	

NOTE(S):

B Estimated result. Result is less than RL.

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

WASTE MANAGEMENT INC.

Client Sample ID: 4915E

DISSOLVED Metals

Lot-Sample #...: D4B170125-003 **Matrix.....:** WATER
Date Sampled...: 02/16/04 14:10 **Date Received..:** 02/17/04

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 4049606						
Calcium	**54000**	**200**	**ug/L**	**SW846 6010B**	**02/23-03/04/04**	**F9NPH1A6**
		Dilution Factor: 1		Analysis Time..: 07:20	MDL.....: 76	
Magnesium	**15000**	**200**	**ug/L**	**SW846 6010B**	**02/23-03/04/04**	**F9NPH1A7**
		Dilution Factor: 1		Analysis Time..: 07:20	MDL.....: 27	
Sodium	**30000**	**5000**	**ug/L**	**SW846 6010B**	**02/23-03/04/04**	**F9NPH1A8**
		Dilution Factor: 1		Analysis Time..: 07:20	MDL.....: 1100	
Potassium	**3900 B**	**5000**	**ug/L**	**SW846 6010B**	**02/23-03/04/04**	**F9NPH1A9**
		Dilution Factor: 1		Analysis Time..: 07:20	MDL.....: 460	
Iron	**27 B**	**100**	**ug/L**	**SW846 6010B**	**02/23-03/04/04**	**F9NPH1AD**
		Dilution Factor: 1		Analysis Time..: 07:20	MDL.....: 19	

NOTE(S):

B Estimated result. Result is less than RL.

WASTE MANAGEMENT INC.

Client Sample ID: 4915A

General Chemistry

Lot-Sample #...: D4B170125-001 **Work Order #...:** F9NPF **Matrix.....:** WATER
Date Sampled...: 02/16/04 10:15 **Date Received..:** 02/17/04

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Bicarbonate Alkalinity	**190**	**5.0**	**mg/L**	**MCAWW 310.1**	**02/20/04**	**4054250**
		Dilution Factor: 1		Analysis Time..: 19:00	MDL.....: 1.5	
Biochemical Oxygen Demand (BOD)	ND	2.0	mg/L	MCAWW 405.1	02/18/04	4049564
		Dilution Factor: 1		Analysis Time..: 10:00	MDL.....: 0.31	
Carbonate Alkalinity	ND	5.0	mg/L	MCAWW 310.1	02/20/04	4054251
		Dilution Factor: 1		Analysis Time..: 19:00	MDL.....: 1.5	
Chemical Oxygen Demand (COD)	ND	8.0	mg/L	MCAWW 410.4	02/26/04	4058267
		Dilution Factor: 1		Analysis Time..: 15:00	MDL.....: 2.9	
Chloride	**27**	**3.0**	**mg/L**	**MCAWW 300.0A**	**02/17/04**	**4049468**
		Dilution Factor: 1		Analysis Time..: 18:41	MDL.....: 0.20	
Cyanide, Total	ND	0.010	mg/L	SW846 9012A	02/24-02/25/04	4056554
		Dilution Factor: 1		Analysis Time..: 13:00	MDL.....: 0.0028	
Fluoride	**0.59 B**	**1.0**	**mg/L**	**MCAWW 300.0A**	**02/17/04**	**4049469**
		Dilution Factor: 1		Analysis Time..: 18:41	MDL.....: 0.10	
Nitrate	**0.53**	**0.50**	**mg/L**	**MCAWW 300.0A**	**02/17/04**	**4049470**
		Dilution Factor: 1		Analysis Time..: 18:41	MDL.....: 0.050	
Specific Conductance	**500 J**	**2.0**	**umhos/cm**	**MCAWW 120.1**	**02/24/04**	**4058240**
		Dilution Factor: 1		Analysis Time..: 16:00	MDL.....:	
Sulfate	**48 Q**	**25**	**mg/L**	**MCAWW 300.0A**	**02/17/04**	**4049467**
		Dilution Factor: 5		Analysis Time..: 19:15	MDL.....: 1.0	
Total Alkalinity	**190**	**5.0**	**mg/L**	**MCAWW 310.1**	**02/20/04**	**4054247**
		Dilution Factor: 1		Analysis Time..: 19:00	MDL.....: 1.5	
Total Dissolved Solids	**340**	**10**	**mg/L**	**MCAWW 160.1**	**02/18/04**	**4049514**
		Dilution Factor: 1		Analysis Time..: 15:00	MDL.....: 3.0	
Total Organic Carbon	ND	1.0	mg/L	MCAWW 415.1	02/25/04	4057522
		Dilution Factor: 1		Analysis Time..: 21:00	MDL.....: 0.50	

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WASTE MANAGEMENT INC.

Client Sample ID: 4915A

General Chemistry

Lot-Sample #...: D4B170125-001 **Work Order #...:** F9NPF **Matrix.....:** WATER

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon 2	ND	1.0	mg/L	MCAWW 415.1	02/25/04	4057522
		Dilution Factor: 1		Analysis Time..: 21:00	MDL.....: 0.50	
Total Organic Halogens	ND	30	ug/L	SW846 9020B	02/24/04	4058398
		Dilution Factor: 1		Analysis Time..: 12:00	MDL.....: 4.8	
Total Organic Halogens 2	ND	30	ug/L	SW846 9020B	02/24/04	4058398
		Dilution Factor: 1		Analysis Time..: 12:00	MDL.....: 4.8	
Total Sulfide	ND	4.0	mg/L	SW846 9030B/9034	02/20/04	4054514
		Dilution Factor: 1		Analysis Time..: 11:30	MDL.....: 0.26	

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

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

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

WASTE MANAGEMENT INC.

Client Sample ID: 4915C

General Chemistry

Lot-Sample #...: D4B170125-002 **Work Order #...:** F9NPG **Matrix.....:** WATER
Date Sampled...: 02/16/04 12:25 **Date Received..:** 02/17/04

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Bicarbonate Alkalinity	**190**	**5.0**	**mg/L**	**MCAWW 310.1**	**02/20/04**	**4054250**
		Dilution Factor: 1		Analysis Time..: 19:00	MDL.....: 1.5	
Biochemical Oxygen Demand (BOD)	ND	2.0	mg/L	MCAWW 405.1	02/18/04	4049564
		Dilution Factor: 1		Analysis Time..: 10:00	MDL.....: 0.31	
Carbonate Alkalinity	ND	5.0	mg/L	MCAWW 310.1	02/20/04	4054251
		Dilution Factor: 1		Analysis Time..: 19:00	MDL.....: 1.5	
Chemical Oxygen Demand (COD)	ND	8.0	mg/L	MCAWW 410.4	02/26/04	4058267
		Dilution Factor: 1		Analysis Time..: 15:00	MDL.....: 2.9	
Chloride	**30**	**3.0**	**mg/L**	**MCAWW 300.0A**	**02/17/04**	**4049468**
		Dilution Factor: 1		Analysis Time..: 19:49	MDL.....: 0.20	
Cyanide, Total	ND	0.010	mg/L	SW846 9012A	02/24-02/25/04	4056554
		Dilution Factor: 1		Analysis Time..: 13:00	MDL.....: 0.0028	
Fluoride	**0.66 B**	**1.0**	**mg/L**	**MCAWW 300.0A**	**02/17/04**	**4049469**
		Dilution Factor: 1		Analysis Time..: 19:49	MDL.....: 0.10	
Nitrate	**0.83**	**0.50**	**mg/L**	**MCAWW 300.0A**	**02/17/04**	**4049470**
		Dilution Factor: 1		Analysis Time..: 19:49	MDL.....: 0.050	
Specific Conductance	**560 J**	**2.0**	**umhos/cm**	**MCAWW 120.1**	**02/24/04**	**4058240**
		Dilution Factor: 1		Analysis Time..: 16:00	MDL.....:	
Sulfate	**50 Q**	**25**	**mg/L**	**MCAWW 300.0A**	**02/17/04**	**4049467**
		Dilution Factor: 5		Analysis Time..: 20:23	MDL.....: 1.0	
Total Alkalinity	**190**	**5.0**	**mg/L**	**MCAWW 310.1**	**02/20/04**	**4054247**
		Dilution Factor: 1		Analysis Time..: 19:00	MDL.....: 1.5	
Total Dissolved Solids	**320**	**10**	**mg/L**	**MCAWW 160.1**	**02/18/04**	**4049514**
		Dilution Factor: 1		Analysis Time..: 15:00	MDL.....: 3.0	

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WASTE MANAGEMENT INC.

Client Sample ID: 4915C

General Chemistry

Lot-Sample #...: D4B170125-002 **Work Order #...:** F9NPG **Matrix.....:** WATER

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon	**0.61 B**	**1.0**	**mg/L**	**MCAWW 415.1**	**02/25/04**	**4057522**
		Dilution Factor: 1		Analysis Time..: 22:00	MDL.....: 0.50	
Total Organic Carbon 2	ND	1.0	mg/L	MCAWW 415.1	02/25/04	4057522
		Dilution Factor: 1		Analysis Time..: 22:00	MDL.....: 0.50	
Total Organic Halogens	ND	30	ug/L	SW846 9020B	02/24/04	4058398
		Dilution Factor: 1		Analysis Time..: 12:00	MDL.....: 4.8	
Total Organic Halogens 2	ND	30	ug/L	SW846 9020B	02/24/04	4058398
		Dilution Factor: 1		Analysis Time..: 12:00	MDL.....: 4.8	
Total Sulfide	ND	4.0	mg/L	SW846 9030B/9034	02/20/04	4054514
		Dilution Factor: 1		Analysis Time..: 11:30	MDL.....: 0.26	

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

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

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

WASTE MANAGEMENT INC.

Client Sample ID: 4915E

General Chemistry

Lot-Sample #...: D4B170125-003 **Work Order #...:** F9NPH **Matrix.....:** WATER
Date Sampled...: 02/16/04 14:10 **Date Received..:** 02/17/04

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Bicarbonate Alkalinity	**160**	**5.0**	**mg/L**	**MCAWW 310.1**	**02/20/04**	**4054250**
		Dilution Factor: 1		Analysis Time..: 19:00	MDL.....: 1.5	
Biochemical Oxygen Demand (BOD)	ND	2.0	mg/L	MCAWW 405.1	02/18/04	4049564
		Dilution Factor: 1		Analysis Time..: 10:00	MDL.....: 0.31	
Carbonate Alkalinity	ND	5.0	mg/L	MCAWW 310.1	02/20/04	4054251
		Dilution Factor: 1		Analysis Time..: 19:00	MDL.....: 1.5	
Chemical Oxygen Demand (COD)	ND	8.0	mg/L	MCAWW 410.4	02/26/04	4058267
		Dilution Factor: 1		Analysis Time..: 15:00	MDL.....: 2.9	
Chloride	**25**	**3.0**	**mg/L**	**MCAWW 300.0A**	**02/17/04**	**4049468**
		Dilution Factor: 1		Analysis Time..: 20:34	MDL.....: 0.20	
Cyanide, Total	ND	0.010	mg/L	SW846 9012A	02/24-02/25/04	4056554
		Dilution Factor: 1		Analysis Time..: 13:00	MDL.....: 0.0028	
Fluoride	**0.63 B**	**1.0**	**mg/L**	**MCAWW 300.0A**	**02/17/04**	**4049469**
		Dilution Factor: 1		Analysis Time..: 20:34	MDL.....: 0.10	
Nitrate	**0.84**	**0.50**	**mg/L**	**MCAWW 300.0A**	**02/17/04**	**4049470**
		Dilution Factor: 1		Analysis Time..: 20:34	MDL.....: 0.050	
Specific Conductance	**530 J**	**2.0**	**umhos/cm**	**MCAWW 120.1**	**02/24/04**	**4058240**
		Dilution Factor: 1		Analysis Time..: 16:00	MDL.....:	
Sulfate	**49 Q**	**25**	**mg/L**	**MCAWW 300.0A**	**02/17/04**	**4049467**
		Dilution Factor: 5		Analysis Time..: 20:45	MDL.....: 1.0	
Total Alkalinity	**160**	**5.0**	**mg/L**	**MCAWW 310.1**	**02/20/04**	**4054247**
		Dilution Factor: 1		Analysis Time..: 19:00	MDL.....: 1.5	
Total Dissolved Solids	**310**	**10**	**mg/L**	**MCAWW 160.1**	**02/18/04**	**4049514**
		Dilution Factor: 1		Analysis Time..: 15:00	MDL.....: 3.0	

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WASTE MANAGEMENT INC.

Client Sample ID: 4915E

General Chemistry

Lot-Sample #...: D4B170125-003 **Work Order #...:** F9NPH **Matrix.....:** WATER

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon	ND	1.0	mg/L	MCAWW 415.1	02/25/04	4057522
		Dilution Factor: 1		Analysis Time..: 22:00	MDL.....: 0.50	
Total Organic Carbon 2	ND	1.0	mg/L	MCAWW 415.1	02/25/04	4057522
		Dilution Factor: 1		Analysis Time..: 22:00	MDL.....: 0.50	
Total Organic Halogens	ND	30	ug/L	SW846 9020B	02/24/04	4058398
		Dilution Factor: 1		Analysis Time..: 12:00	MDL.....: 4.8	
Total Organic Halogens 2	ND	30	ug/L	SW846 9020B	02/24/04	4058398
		Dilution Factor: 1		Analysis Time..: 12:00	MDL.....: 4.8	
Total Sulfide	ND	4.0	mg/L	SW846 9030B/9034	02/20/04	4054514
		Dilution Factor: 1		Analysis Time..: 11:30	MDL.....: 0.26	

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

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

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

QC DATA ASSOCIATION SUMMARY

D4B170125

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	WATER	MCAWW 120.1		4058240	4058113
	WATER	MCAWW 160.1		4049514	4051188
	WATER	MCAWW 310.1		4054251	
	WATER	MCAWW 405.1		4049564	4049267
	WATER	MCAWW 300.0A		4049468	4051209
	WATER	MCAWW 300.0A		4049467	4051216
	WATER	MCAWW 300.0A		4049469	4051203
	WATER	MCAWW 300.0A		4049470	4051215
	WATER	MCAWW 415.1		4057522	4057250
	WATER	SW846 9020B		4058398	4058200
	WATER	SW846 7470A		4049311	4049147
	WATER	SW846 8260B		4058310	4058198
	WATER	SW846 8270C		4050315	4054262
	WATER	SW846 6010B		4049608	4049310
	WATER	SW846 6010B		4049606	4049308
	WATER	SW846 9012A		4056554	4056294
	WATER	SW846 9030B/9034		4054514	
	WATER	MCAWW 310.1		4054250	
	WATER	MCAWW 310.1		4054247	4054118
	WATER	MCAWW 410.4		4058267	4058132
002	WATER	MCAWW 120.1		4058240	4058113
	WATER	MCAWW 160.1		4049514	4051188
	WATER	MCAWW 310.1		4054251	
	WATER	MCAWW 405.1		4049564	4049267
	WATER	MCAWW 300.0A		4049468	4051209
	WATER	MCAWW 300.0A		4049467	4051216
	WATER	MCAWW 300.0A		4049469	4051203
	WATER	MCAWW 300.0A		4049470	4051215
	WATER	MCAWW 415.1		4057522	4057250
	WATER	SW846 9020B		4058398	4058200
	WATER	SW846 7470A		4049311	4049147
	WATER	SW846 8260B		4058310	4058198
	WATER	SW846 8270C		4050315	4054262
	WATER	SW846 6010B		4049608	4049310
	WATER	SW846 6010B		4049606	4049308
	WATER	SW846 9012A		4056554	4056294
	WATER	SW846 9030B/9034		4054514	
	WATER	MCAWW 310.1		4054250	
	WATER	MCAWW 310.1		4054247	4054118
	WATER	MCAWW 410.4		4058267	4058132

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QC DATA ASSOCIATION SUMMARY

D4B170125

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
003	WATER	MCAWW 120.1		4058240	4058113
	WATER	MCAWW 160.1		4049514	4051188
	WATER	MCAWW 310.1		4054251	
	WATER	MCAWW 405.1		4049564	4049267
	WATER	MCAWW 300.0A		4049468	4051209
	WATER	MCAWW 300.0A		4049467	4051216
	WATER	MCAWW 300.0A		4049469	4051203
	WATER	MCAWW 300.0A		4049470	4051215
	WATER	MCAWW 415.1		4057522	4057250
	WATER	SW846 9020B		4058398	4058200
	WATER	SW846 7470A		4049311	4049147
	WATER	SW846 8260B		4058310	4058198
	WATER	SW846 8270C		4050315	4054262
	WATER	SW846 6010B		4049608	4049310
	WATER	SW846 6010B		4049606	4049308
	WATER	SW846 9012A		4056554	4056294
	WATER	SW846 9030B/9034		4054514	
	WATER	MCAWW 310.1		4054250	
	WATER	MCAWW 310.1		4054247	4054118
	WATER	MCAWW 410.4		4058267	4058132
004	WATER	SW846 8260B		4058310	4058198
005	WATER	SW846 8260B		4058310	4058198

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: D4B170125 **Work Order #...:** GAA2M1AA **Matrix.....:** WATER
MB Lot-Sample #: D4B270000-310

Prep Date.....: 02/26/04 **Analysis Time..:** 11:56
Analysis Date..: 02/26/04 **Prep Batch #...:** 4058310
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Chlorobenzene	ND	5.0	ug/L	SW846 8260B
cis-1,2-Dichloroethene	ND	10	ug/L	SW846 8260B
Tetrachloroethene	ND	5.0	ug/L	SW846 8260B
Trichloroethene	ND	5.0	ug/L	SW846 8260B
Vinyl chloride	ND	1.0	ug/L	SW846 8260B
Acetone	ND	34	ug/L	SW846 8260B
Acrylonitrile	ND	100	ug/L	SW846 8260B
Benzene	ND	1.0	ug/L	SW846 8260B
Bromochloromethane	ND	10	ug/L	SW846 8260B
Bromodichloromethane	ND	5.0	ug/L	SW846 8260B
Bromoform	ND	5.0	ug/L	SW846 8260B
Bromomethane	ND	10	ug/L	SW846 8260B
Carbon disulfide	ND	5.0	ug/L	SW846 8260B
Carbon tetrachloride	ND	0.50	ug/L	SW846 8260B
Dibromochloromethane	ND	5.0	ug/L	SW846 8260B
Chloroethane	ND	10	ug/L	SW846 8260B
Chloroform	ND	5.0	ug/L	SW846 8260B
Chloromethane	ND	10	ug/L	SW846 8260B
Dibromomethane	ND	10	ug/L	SW846 8260B
1,2-Dichlorobenzene	ND	10	ug/L	SW846 8260B
1,4-Dichlorobenzene	ND	10	ug/L	SW846 8260B
trans-1,4-Dichloro-2-butene	ND	10	ug/L	SW846 8260B
Dichlorodifluoromethane	ND	10	ug/L	SW846 8260B
1,1-Dichloroethane	ND	5.0	ug/L	SW846 8260B
1,2-Dichloroethane	ND	5.0	ug/L	SW846 8260B
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260B
trans-1,2-Dichloroethene	ND	10	ug/L	SW846 8260B
1,2-Dichloropropane	ND	5.0	ug/L	SW846 8260B
cis-1,3-Dichloropropene	ND	5.0	ug/L	SW846 8260B
trans-1,3-Dichloropropene	ND	5.0	ug/L	SW846 8260B
Ethylbenzene	ND	5.0	ug/L	SW846 8260B
Trichlorofluoromethane	ND	10	ug/L	SW846 8260B
2-Hexanone	ND	5.0	ug/L	SW846 8260B
Iodomethane	ND	10	ug/L	SW846 8260B
Methylene chloride	ND	5.0	ug/L	SW846 8260B
4-Methyl-2-pentanone	ND	10	ug/L	SW846 8260B
Styrene	ND	5.0	ug/L	SW846 8260B
1,1,1,2-Tetrachloroethane	ND	5.0	ug/L	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	5.0	ug/L	SW846 8260B
Toluene	ND	1.0	ug/L	SW846 8260B

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METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: D4B170125 **Work Order #...:** GAA2M1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
1,1,1-Trichloroethane	ND	5.0	ug/L	SW846 8260B
1,1,2-Trichloroethane	ND	5.0	ug/L	SW846 8260B
1,2,3-Trichloropropane	ND	10	ug/L	SW846 8260B
Vinyl acetate	ND	10	ug/L	SW846 8260B
Xylenes (total)	ND	10	ug/L	SW846 8260B
1,2-Dibromo-3-chloropropane (DBCP)	ND	10	ug/L	SW846 8260B
1,2-Dibromoethane (EDB)	ND	1.0	ug/L	SW846 8260B
2-Butanone (MEK)	ND	10	ug/L	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	110	(76 - 116)
1,2-Dichloroethane-d4	105	(59 - 129)
4-Bromofluorobenzene	103	(74 - 114)
Toluene-d8	101	(76 - 116)

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: D4B170125 **Work Order #...:** GAA2M1AC **Matrix.....:** WATER
LCS Lot-Sample#: D4B270000-310
Prep Date.....: 02/26/04 **Analysis Date..:** 02/26/04
Prep Batch #...: 4058310 **Analysis Time..:** 11:10
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Toluene	**92**	**(74 - 115)**	**SW846 8260B**
Trichloroethene	**114**	**(80 - 123)**	**SW846 8260B**
1,1-Dichloroethene	**114**	**(67 - 125)**	**SW846 8260B**
Benzene	**101**	**(75 - 116)**	**SW846 8260B**
Chlorobenzene	**97**	**(77 - 117)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	112	(76 - 116)
1,2-Dichloroethane-d4	103	(59 - 129)
4-Bromofluorobenzene	97	(74 - 114)
Toluene-d8	100	(76 - 116)

NOTE(S):

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: D4B170125 **Work Order #...:** GAA2M1AC **Matrix.....:** WATER
LCS Lot-Sample#: D4B270000-310
Prep Date.....: 02/26/04 **Analysis Date..:** 02/26/04
Prep Batch #...: 4058310 **Analysis Time..:** 11:10
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
Toluene	**10.0**	**9.18**	**ug/L**	**92**	**SW846 8260B**
Trichloroethene	**10.0**	**11.4**	**ug/L**	**114**	**SW846 8260B**
1,1-Dichloroethene	**10.0**	**11.4**	**ug/L**	**114**	**SW846 8260B**
Benzene	**10.0**	**10.1**	**ug/L**	**101**	**SW846 8260B**
Chlorobenzene	**10.0**	**9.69**	**ug/L**	**97**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	112	(76 - 116)
1,2-Dichloroethane-d4	103	(59 - 129)
4-Bromofluorobenzene	97	(74 - 114)
Toluene-d8	100	(76 - 116)

NOTE(S):

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

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: D4B170125 **Work Order #...:** GAACH1AC-MS **Matrix.....:** WATER
MS Lot-Sample #: D4B270119-003 GAACH1AD-MSD
Date Sampled...: 02/20/04 07:00 **Date Received..:** 02/20/04
Prep Date.....: 02/26/04 **Analysis Date..:** 02/26/04
Prep Batch #...: 4058310 **Analysis Time..:** 15:30
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	**115**	**(67 - 125)**			**SW846 8260B**
	109	**(67 - 125)**	**5.2**	**(0-20)**	**SW846 8260B**
Benzene	**102**	**(75 - 116)**			**SW846 8260B**
	99	**(75 - 116)**	**2.4**	**(0-20)**	**SW846 8260B**
Chlorobenzene	**96**	**(77 - 117)**			**SW846 8260B**
	95	**(77 - 117)**	**1.4**	**(0-20)**	**SW846 8260B**
Toluene	**92**	**(74 - 115)**			**SW846 8260B**
	91	**(74 - 115)**	**0.65**	**(0-20)**	**SW846 8260B**
Trichloroethene	**113**	**(80 - 123)**			**SW846 8260B**
	112	**(80 - 123)**	**1.2**	**(0-20)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	109	(76 - 116)
	108	(76 - 116)
1,2-Dichloroethane-d4	101	(59 - 129)
	101	(59 - 129)
4-Bromofluorobenzene	97	(74 - 114)
	99	(74 - 114)
Toluene-d8	100	(76 - 116)
	98	(76 - 116)

NOTE(S):

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

Bold print denotes control parameters

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: D4B170125 **Work Order #...:** GAACH1AC-MS **Matrix.....:** WATER
MS Lot-Sample #: D4B270119-003 GAACH1AD-MSD
Date Sampled...: 02/20/04 07:00 **Date Received..:** 02/20/04
Prep Date.....: 02/26/04 **Analysis Date..:** 02/26/04
Prep Batch #...: 4058310 **Analysis Time..:** 15:30
Dilution Factor: 1

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
1,1-Dichloroethene	**ND**	**10.0**	**11.5**	**ug/L**	**115**		**SW846 8260B**
	ND	**10.0**	**10.9**	**ug/L**	**109**	**5.2**	**SW846 8260B**
Benzene	**ND**	**10.0**	**10.2**	**ug/L**	**102**		**SW846 8260B**
	ND	**10.0**	**9.93**	**ug/L**	**99**	**2.4**	**SW846 8260B**
Chlorobenzene	**ND**	**10.0**	**9.61**	**ug/L**	**96**		**SW846 8260B**
	ND	**10.0**	**9.48**	**ug/L**	**95**	**1.4**	**SW846 8260B**
Toluene	**ND**	**10.0**	**9.19**	**ug/L**	**92**		**SW846 8260B**
	ND	**10.0**	**9.13**	**ug/L**	**91**	**0.65**	**SW846 8260B**
Trichloroethene	**ND**	**10.0**	**11.3**	**ug/L**	**113**		**SW846 8260B**
	ND	**10.0**	**11.2**	**ug/L**	**112**	**1.2**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	109	(76 - 116)
	108	(76 - 116)
1,2-Dichloroethane-d4	101	(59 - 129)
	101	(59 - 129)
4-Bromofluorobenzene	97	(74 - 114)
	99	(74 - 114)
Toluene-d8	100	(76 - 116)
	98	(76 - 116)

NOTE(S):

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

Bold print denotes control parameters

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: D4B170125 **Work Order #...:** F9T0R1AA **Matrix.....:** WATER
MB Lot-Sample #: D4B190000-315

Prep Date.....: 02/19/04 **Analysis Time..:** 15:52
Analysis Date..: 02/24/04 **Prep Batch #...:** 4050315
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Acenaphthene	ND	10	ug/L	SW846 8270C
Acenaphthylene	ND	10	ug/L	SW846 8270C
Acetophenone	ND	10	ug/L	SW846 8270C
2-Acetylaminofluorene	ND	100	ug/L	SW846 8270C
4-Aminobiphenyl	ND	50	ug/L	SW846 8270C
Anthracene	ND	10	ug/L	SW846 8270C
Benzo(a)anthracene	ND	10	ug/L	SW846 8270C
Benzo(b)fluoranthene	ND	10	ug/L	SW846 8270C
Benzo(k)fluoranthene	ND	10	ug/L	SW846 8270C
Benzo(ghi)perylene	ND	10	ug/L	SW846 8270C
Benzo(a)pyrene	ND	10	ug/L	SW846 8270C
Benzyl alcohol	ND	10	ug/L	SW846 8270C
bis(2-Chloroethoxy) methane	ND	10	ug/L	SW846 8270C
bis(2-Chloroethyl)-ether	ND	10	ug/L	SW846 8270C
bis(2-Ethylhexyl) phthalate	ND	10	ug/L	SW846 8270C
4-Bromophenyl phenyl ether	ND	10	ug/L	SW846 8270C
Butyl benzyl phthalate	ND	10	ug/L	SW846 8270C
4-Chloroaniline	ND	10	ug/L	SW846 8270C
Chlorobenzilate	ND	10	ug/L	SW846 8270C
4-Chloro-3-methylphenol	ND	10	ug/L	SW846 8270C
2-Chloronaphthalene	ND	10	ug/L	SW846 8270C
2-Chlorophenol	ND	10	ug/L	SW846 8270C
4-Chlorophenyl phenyl ether	ND	10	ug/L	SW846 8270C
Chrysene	ND	10	ug/L	SW846 8270C
Diallate	ND	20	ug/L	SW846 8270C
Dibenz(a,h)anthracene	ND	10	ug/L	SW846 8270C
Dibenzofuran	ND	10	ug/L	SW846 8270C
Di-n-butyl phthalate	ND	10	ug/L	SW846 8270C
3,3'-Dichlorobenzidine	ND	50	ug/L	SW846 8270C
2,4-Dichlorophenol	ND	10	ug/L	SW846 8270C
2,6-Dichlorophenol	ND	10	ug/L	SW846 8270C
Diethyl phthalate	ND	10	ug/L	SW846 8270C
Dimethoate	ND	20	ug/L	SW846 8270C
4-Dimethylaminoazobenzene	ND	20	ug/L	SW846 8270C
7,12-Dimethylbenz(a)-anthracene	ND	20	ug/L	SW846 8270C

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METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: D4B170125 **Work Order #...:** F9T0R1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
3,3'-Dimethylbenzidine	ND	20	ug/L	SW846 8270C
2,4-Dimethylphenol	ND	10	ug/L	SW846 8270C
Dimethyl phthalate	ND	10	ug/L	SW846 8270C
1,3-Dinitrobenzene	ND	10	ug/L	SW846 8270C
4,6-Dinitro-2-methylphenol	ND	50	ug/L	SW846 8270C
2,4-Dinitrophenol	ND	50	ug/L	SW846 8270C
2,4-Dinitrotoluene	ND	10	ug/L	SW846 8270C
2,6-Dinitrotoluene	ND	10	ug/L	SW846 8270C
Dinoseb	ND	10	ug/L	SW846 8270C
Di-n-octyl phthalate	ND	10	ug/L	SW846 8270C
Diphenylamine	ND	10	ug/L	SW846 8270C
Disulfoton	ND	50	ug/L	SW846 8270C
Ethyl methanesulfonate	ND	10	ug/L	SW846 8270C
Famphur	ND	200	ug/L	SW846 8270C
Fluoranthene	ND	10	ug/L	SW846 8270C
Fluorene	ND	10	ug/L	SW846 8270C
Hexachlorobenzene	ND	10	ug/L	SW846 8270C
Hexachlorobutadiene	ND	10	ug/L	SW846 8270C
Hexachlorocyclopentadiene	ND	50	ug/L	SW846 8270C
Hexachloroethane	ND	10	ug/L	SW846 8270C
Hexachloropropene	ND	100	ug/L	SW846 8270C
Indeno(1,2,3-cd)pyrene	ND	10	ug/L	SW846 8270C
Isodrin	ND	10	ug/L	SW846 8270C
Isophorone	ND	10	ug/L	SW846 8270C
Isosafrole	ND	20	ug/L	SW846 8270C
Methapyrilene	ND	50	ug/L	SW846 8270C
3-Methylcholanthrene	ND	20	ug/L	SW846 8270C
Methyl methanesulfonate	ND	10	ug/L	SW846 8270C
2-Methylnaphthalene	ND	10	ug/L	SW846 8270C
Methyl parathion	ND	50	ug/L	SW846 8270C
2-Methylphenol	ND	10	ug/L	SW846 8270C
3-Methylphenol & 4-Methylphenol	ND	10	ug/L	SW846 8270C
Naphthalene	ND	10	ug/L	SW846 8270C
1,4-Naphthoquinone	ND	50	ug/L	SW846 8270C
1-Naphthylamine	ND	10	ug/L	SW846 8270C
2-Naphthylamine	ND	10	ug/L	SW846 8270C
2-Nitroaniline	ND	50	ug/L	SW846 8270C
3-Nitroaniline	ND	50	ug/L	SW846 8270C
4-Nitroaniline	ND	50	ug/L	SW846 8270C
Nitrobenzene	ND	10	ug/L	SW846 8270C
2-Nitrophenol	ND	10	ug/L	SW846 8270C
4-Nitrophenol	ND	50	ug/L	SW846 8270C

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METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: D4B170125 **Work Order #...:** F9T0R1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
N-Nitrosodi-n-butylamine	ND	10	ug/L	SW846 8270C
N-Nitrosodiethylamine	ND	10	ug/L	SW846 8270C
N-Nitrosodimethylamine	ND	10	ug/L	SW846 8270C
N-Nitrosodiphenylamine	ND	10	ug/L	SW846 8270C
N-Nitrosodi-n-propyl-amine	ND	10	ug/L	SW846 8270C
N-Nitrosomethylethylamine	ND	10	ug/L	SW846 8270C
N-Nitrosopiperidine	ND	10	ug/L	SW846 8270C
N-Nitrosopyrrolidine	ND	10	ug/L	SW846 8270C
5-Nitro-o-toluidine	ND	20	ug/L	SW846 8270C
2,2'-oxybis(1-Chloropropa	ND	10	ug/L	SW846 8270C
Parathion	ND	50	ug/L	SW846 8270C
Pentachlorobenzene	ND	10	ug/L	SW846 8270C
Pentachloronitrobenzene	ND	50	ug/L	SW846 8270C
Pentachlorophenol	ND	50	ug/L	SW846 8270C
Phenacetin	ND	20	ug/L	SW846 8270C
Phenanthrene	ND	10	ug/L	SW846 8270C
Phenol	ND	10	ug/L	SW846 8270C
4-Phenylenediamine	ND	100	ug/L	SW846 8270C
Phorate	ND	50	ug/L	SW846 8270C
Pronamide	ND	20	ug/L	SW846 8270C
Pyrene	ND	10	ug/L	SW846 8270C
Safrole	ND	50	ug/L	SW846 8270C
1,2,4,5-Tetrachloro-benzene	ND	10	ug/L	SW846 8270C
2,3,4,6-Tetrachlorophenol	ND	50	ug/L	SW846 8270C
Thionazin	ND	10	ug/L	SW846 8270C
o-Toluidine	ND	10	ug/L	SW846 8270C
1,2,4-Trichloro-benzene	ND	10	ug/L	SW846 8270C
2,4,5-Trichloro-phenol	ND	10	ug/L	SW846 8270C
2,4,6-Trichloro-phenol	ND	10	ug/L	SW846 8270C
O,O,O-Triethylphosphoro-thioate	ND	50	ug/L	SW846 8270C
1,3,5-Trinitrobenzene	ND	50	ug/L	SW846 8270C

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	74	(32 - 116)
Phenol-d5	76	(40 - 111)
Nitrobenzene-d5	74	(53 - 107)
2-Fluorobiphenyl	70	(31 - 105)
2,4,6-Tribromophenol	75	(42 - 122)

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METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: D4B170125 **Work Order #...:** F9T0R1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Terphenyl-d14	72	(21 - 125)		

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: D4B170125 **Work Order #...:** F9T0R1AC **Matrix.....:** WATER
LCS Lot-Sample#: D4B190000-315
Prep Date.....: 02/19/04 **Analysis Date..:** 02/24/04
Prep Batch #...: 4050315 **Analysis Time..:** 16:19
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Acenaphthene	**79**	**(55 - 97)**	**SW846 8270C**
1,4-Dichlorobenzene	**71**	**(31 - 98)**	**SW846 8270C**
4-Chloro-3-methylphenol	**80**	**(59 - 106)**	**SW846 8270C**
2-Chlorophenol	**80**	**(59 - 105)**	**SW846 8270C**
2,4-Dinitrotoluene	**80**	**(57 - 113)**	**SW846 8270C**
4-Nitrophenol	**80**	**(43 - 118)**	**SW846 8270C**
N-Nitrosodi-n-propyl-amine	**79**	**(51 - 99)**	**SW846 8270C**
Pentachlorophenol	**83**	**(48 - 114)**	**SW846 8270C**
Phenol	**79**	**(56 - 106)**	**SW846 8270C**
Pyrene	**73**	**(51 - 103)**	**SW846 8270C**
1,2,4-Trichloro-benzene	**74**	**(36 - 99)**	**SW846 8270C**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	75	(54 - 105)
Phenol-d5	77	(55 - 106)
Nitrobenzene-d5	76	(58 - 108)
2-Fluorobiphenyl	71	(53 - 97)
2,4,6-Tribromophenol	80	(62 - 113)
Terphenyl-d14	75	(55 - 109)

NOTE(S):

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: D4B170125 **Work Order #...:** F9T0R1AC **Matrix.....:** WATER
LCS Lot-Sample#: D4B190000-315
Prep Date.....: 02/19/04 **Analysis Date..:** 02/24/04
Prep Batch #...: 4050315 **Analysis Time..:** 16:19
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
Acenaphthene	**100**	**78.5**	**ug/L**	**79**	**SW846 8270C**
1,4-Dichlorobenzene	**100**	**70.7**	**ug/L**	**71**	**SW846 8270C**
4-Chloro-3-methylphenol	**150**	**120**	**ug/L**	**80**	**SW846 8270C**
2-Chlorophenol	**150**	**119**	**ug/L**	**80**	**SW846 8270C**
2,4-Dinitrotoluene	**100**	**80.2**	**ug/L**	**80**	**SW846 8270C**
4-Nitrophenol	**150**	**120**	**ug/L**	**80**	**SW846 8270C**
N-Nitrosodi-n-propyl-amine	**100**	**79.3**	**ug/L**	**79**	**SW846 8270C**
Pentachlorophenol	**150**	**124**	**ug/L**	**83**	**SW846 8270C**
Phenol	**150**	**118**	**ug/L**	**79**	**SW846 8270C**
Pyrene	**100**	**72.6**	**ug/L**	**73**	**SW846 8270C**
1,2,4-Trichloro-benzene	**100**	**74.0**	**ug/L**	**74**	**SW846 8270C**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	75	(54 - 105)
Phenol-d5	77	(55 - 106)
Nitrobenzene-d5	76	(58 - 108)
2-Fluorobiphenyl	71	(53 - 97)
2,4,6-Tribromophenol	80	(62 - 113)
Terphenyl-d14	75	(55 - 109)

NOTE(S):

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

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: D4B170125 **Work Order #...:** F9RXK1AL-MS **Matrix.....:** WATER
MS Lot-Sample #: D4B180305-001 F9RXK1AM-MSD
Date Sampled...: 02/17/04 11:52 **Date Received..:** 02/18/04
Prep Date.....: 02/19/04 **Analysis Date..:** 02/25/04
Prep Batch #...: 4050315 **Analysis Time..:** 20:02
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Acenaphthene	**69**	**(50 - 96)**			**SW846 8270C**
	68	**(50 - 96)**	**5.1**	**(0-40)**	**SW846 8270C**
1,4-Dichlorobenzene	**56**	**(41 - 92)**			**SW846 8270C**
	60	**(41 - 92)**	**11**	**(0-30)**	**SW846 8270C**
4-Chloro-3-methylphenol	**71**	**(49 - 102)**			**SW846 8270C**
	77	**(49 - 102)**	**13**	**(0-40)**	**SW846 8270C**
2-Chlorophenol	**70**	**(49 - 98)**			**SW846 8270C**
	72	**(49 - 98)**	**8.0**	**(0-40)**	**SW846 8270C**
2,4-Dinitrotoluene	**70**	**(51 - 106)**			**SW846 8270C**
	72	**(51 - 106)**	**7.7**	**(0-40)**	**SW846 8270C**
4-Nitrophenol	**67**	**(34 - 116)**			**SW846 8270C**
	62	**(34 - 116)**	**1.1**	**(0-40)**	**SW846 8270C**
N-Nitrosodi-n-propyl-amine	**71**	**(46 - 101)**			**SW846 8270C**
	73	**(46 - 101)**	**8.5**	**(0-40)**	**SW846 8270C**
Pentachlorophenol	**66**	**(34 - 116)**			**SW846 8270C**
	69	**(34 - 116)**	**9.0**	**(0-40)**	**SW846 8270C**
Phenol	**70**	**(46 - 98)**			**SW846 8270C**
	71	**(46 - 98)**	**7.4**	**(0-40)**	**SW846 8270C**
Pyrene	**62**	**(39 - 103)**			**SW846 8270C**
	65	**(39 - 103)**	**11**	**(0-40)**	**SW846 8270C**
1,2,4-Trichloro-benzene	**58**	**(46 - 92)**			**SW846 8270C**
	60	**(46 - 92)**	**9.8**	**(0-40)**	**SW846 8270C**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	66	(32 - 116)
	67	(32 - 116)
Phenol-d5	69	(40 - 111)
	70	(40 - 111)
Nitrobenzene-d5	68	(53 - 107)
	69	(53 - 107)
2-Fluorobiphenyl	59	(31 - 105)
	49	(31 - 105)
2,4,6-Tribromophenol	68	(42 - 122)
	72	(42 - 122)

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MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: D4B170125 **Work Order #...:** F9RXK1AL-MS **Matrix.....:** WATER
MS Lot-Sample #: D4B180305-001 F9RXK1AM-MSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Terphenyl-d14	65	(21 - 125)
	67	(21 - 125)

NOTE(S):

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

Bold print denotes control parameters

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: D4B170125 **Work Order #...:** F9RXK1AL-MS **Matrix.....:** WATER
MS Lot-Sample #: D4B180305-001 F9RXK1AM-MSD
Date Sampled...: 02/17/04 11:52 **Date Received..:** 02/18/04
Prep Date.....: 02/19/04 **Analysis Date..:** 02/25/04
Prep Batch #...: 4050315 **Analysis Time..:** 20:02
Dilution Factor: 1

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Acenaphthene	ND	98.3	67.7	ug/L	69		SW846 8270C
	ND	104	71.2	ug/L	68	5.1	SW846 8270C
1,4-Dichlorobenzene	ND	98.3	55.5	ug/L	56		SW846 8270C
	ND	104	62.0	ug/L	60	11	SW846 8270C
4-Chloro-3-methylphenol	ND	147	105	ug/L	71		SW846 8270C
	ND	156	120	ug/L	77	13	SW846 8270C
2-Chlorophenol	ND	147	104	ug/L	70		SW846 8270C
	ND	156	112	ug/L	72	8.0	SW846 8270C
2,4-Dinitrotoluene	ND	98.3	69.0	ug/L	70		SW846 8270C
	ND	104	74.5	ug/L	72	7.7	SW846 8270C
4-Nitrophenol	ND	147	98.2	ug/L	67		SW846 8270C
	ND	156	97.2	ug/L	62	1.1	SW846 8270C
N-Nitrosodi-n-propyl-amine	ND	98.3	69.7	ug/L	71		SW846 8270C
	ND	104	75.9	ug/L	73	8.5	SW846 8270C
Pentachlorophenol	ND	147	97.9	ug/L	66		SW846 8270C
	ND	156	107	ug/L	69	9.0	SW846 8270C
Phenol	ND	147	103	ug/L	70		SW846 8270C
	ND	156	111	ug/L	71	7.4	SW846 8270C
Pyrene	ND	98.3	60.8	ug/L	62		SW846 8270C
	ND	104	68.1	ug/L	65	11	SW846 8270C
1,2,4-Trichloro-benzene	ND	98.3	56.9	ug/L	58		SW846 8270C
	ND	104	62.8	ug/L	60	9.8	SW846 8270C

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	66	(32 - 116)
	67	(32 - 116)
Phenol-d5	69	(40 - 111)
	70	(40 - 111)
Nitrobenzene-d5	68	(53 - 107)
	69	(53 - 107)
2-Fluorobiphenyl	59	(31 - 105)
	49	(31 - 105)
2,4,6-Tribromophenol	68	(42 - 122)
	72	(42 - 122)

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MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: D4B170125 **Work Order #...:** F9RXK1AL-MS **Matrix.....:** WATER
MS Lot-Sample #: D4B180305-001 F9RXK1AM-MSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Terphenyl-d14	65	(21 - 125)
	67	(21 - 125)

NOTE(S):

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

. Bold print denotes control parameters

METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: D4B170125 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: D4B180000-311 **Prep Batch #...:** 4049311						
Mercury	ND	0.20	ug/L	SW846 7470A	02/24-02/25/04	F9Q2V1AA
		Dilution Factor: 1				
		Analysis Time..: 11:40				
MB Lot-Sample #: D4B180000-608 **Prep Batch #...:** 4049608						
Manganese	ND	10	ug/L	SW846 6010B	02/23-03/02/04	F9R1C1AA
		Dilution Factor: 1				
		Analysis Time..: 21:47				
Barium	ND	100	ug/L	SW846 6010B	02/23-02/29/04	F9R1C1AC
		Dilution Factor: 1				
		Analysis Time..: 19:27				
Potassium	ND	5000	ug/L	SW846 6010B	02/23-03/02/04	F9R1C1AD
		Dilution Factor: 1				
		Analysis Time..: 21:47				
Silver	ND	10	ug/L	SW846 6010B	02/23-02/29/04	F9R1C1AE
		Dilution Factor: 1				
		Analysis Time..: 19:27				
Arsenic	ND	10	ug/L	SW846 6010B	02/23-02/29/04	F9R1C1AF
		Dilution Factor: 1				
		Analysis Time..: 19:27				
Cadmium	ND	5.0	ug/L	SW846 6010B	02/23-02/29/04	F9R1C1AG
		Dilution Factor: 1				
		Analysis Time..: 19:27				
Cobalt	ND	10	ug/L	SW846 6010B	02/23-02/29/04	F9R1C1AH
		Dilution Factor: 1				
		Analysis Time..: 19:27				
Chromium	ND	10	ug/L	SW846 6010B	02/23-02/29/04	F9R1C1AJ
		Dilution Factor: 1				
		Analysis Time..: 19:27				
Copper	**1.4 B**	**10**	**ug/L**	**SW846 6010B**	**02/23-02/29/04**	**F9R1C1AK**
		Dilution Factor: 1				
		Analysis Time..: 19:27				

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METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: D4B170125 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Nickel	ND	40	ug/L	SW846 6010B	02/23-02/29/04	F9R1C1AL
		Dilution Factor: 1				
		Analysis Time..: 19:27				
Lead	ND	3.0	ug/L	SW846 6010B	02/23-02/29/04	F9R1C1AM
		Dilution Factor: 1				
		Analysis Time..: 19:27				
Antimony	ND	10	ug/L	SW846 6010B	02/23-02/29/04	F9R1C1AN
		Dilution Factor: 1				
		Analysis Time..: 19:27				
Selenium	ND	5.0	ug/L	SW846 6010B	02/23-02/29/04	F9R1C1AP
		Dilution Factor: 1				
		Analysis Time..: 19:27				
Zinc	ND	20	ug/L	SW846 6010B	02/23-02/29/04	F9R1C1AQ
		Dilution Factor: 1				
		Analysis Time..: 19:27				
Beryllium	**0.77 B**	**5.0**	**ug/L**	**SW846 6010B**	**02/23-03/02/04**	**F9R1C1AR**
		Dilution Factor: 1				
		Analysis Time..: 21:47				
Boron	ND	100	ug/L	SW846 6010B	02/23-03/02/04	F9R1C1AT
		Dilution Factor: 1				
		Analysis Time..: 21:47				

NOTE(S):

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

B Estimated result. Result is less than RL.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: D4B170125 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: D4B180000-311 **Prep Batch #...:** 4049311					
Mercury	99	(84 - 114)	SW846 7470A	02/24-02/25/04	F9Q2V1AC
		Dilution Factor: 1	Analysis Time..: 11:42		
LCS Lot-Sample#: D4B180000-608 **Prep Batch #...:** 4049608					
Manganese	104	(90 - 110)	SW846 6010B	02/23-03/02/04	F9R1C1AU
		Dilution Factor: 1	Analysis Time..: 21:52		
Barium	107	(93 - 113)	SW846 6010B	02/23-02/29/04	F9R1C1AV
		Dilution Factor: 1	Analysis Time..: 19:32		
Potassium	108	(86 - 111)	SW846 6010B	02/23-03/02/04	F9R1C1AW
		Dilution Factor: 1	Analysis Time..: 21:52		
Silver	108	(85 - 114)	SW846 6010B	02/23-02/29/04	F9R1C1AX
		Dilution Factor: 1	Analysis Time..: 19:32		
Arsenic	102	(89 - 109)	SW846 6010B	02/23-02/29/04	F9R1C1A0
		Dilution Factor: 1	Analysis Time..: 19:32		
Cadmium	100	(89 - 110)	SW846 6010B	02/23-02/29/04	F9R1C1A1
		Dilution Factor: 1	Analysis Time..: 19:32		
Cobalt	104	(86 - 107)	SW846 6010B	02/23-02/29/04	F9R1C1A2
		Dilution Factor: 1	Analysis Time..: 19:32		
Chromium	106	(89 - 112)	SW846 6010B	02/23-02/29/04	F9R1C1A3
		Dilution Factor: 1	Analysis Time..: 19:32		
Copper	103	(86 - 110)	SW846 6010B	02/23-02/29/04	F9R1C1A4
		Dilution Factor: 1	Analysis Time..: 19:32		
Nickel	101	(90 - 110)	SW846 6010B	02/23-02/29/04	F9R1C1A5
		Dilution Factor: 1	Analysis Time..: 19:32		
Lead	104	(91 - 111)	SW846 6010B	02/23-02/29/04	F9R1C1A6
		Dilution Factor: 1	Analysis Time..: 19:32		
Antimony	102	(88 - 108)	SW846 6010B	02/23-02/29/04	F9R1C1A7
		Dilution Factor: 1	Analysis Time..: 19:32		

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: D4B170125 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Selenium	105	(88 - 110)	SW846 6010B	02/23-02/29/04	F9R1C1A8
		Dilution Factor: 1	Analysis Time..: 19:32		
Zinc	100	(85 - 110)	SW846 6010B	02/23-02/29/04	F9R1C1A9
		Dilution Factor: 1	Analysis Time..: 19:32		
Beryllium	103	(88 - 112)	SW846 6010B	02/23-03/02/04	F9R1C1CA
		Dilution Factor: 1	Analysis Time..: 21:52		
Boron	105	(89 - 110)	SW846 6010B	02/23-03/02/04	F9R1C1CC
		Dilution Factor: 1	Analysis Time..: 21:52		

NOTE(S):

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

LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: D4B170125 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: D4B180000-311 **Prep Batch #...:** 4049311							
Mercury	5.00	4.96	ug/L	99	SW846 7470A	02/24-02/25/04	F9Q2V1AC
			Dilution Factor: 1		Analysis Time..: 11:42		
LCS Lot-Sample#: D4B180000-608 **Prep Batch #...:** 4049608							
Manganese	500	520	ug/L	104	SW846 6010B	02/23-03/02/04	F9R1C1AU
			Dilution Factor: 1		Analysis Time..: 21:52		
Barium	2000	2130	ug/L	107	SW846 6010B	02/23-02/29/04	F9R1C1AV
			Dilution Factor: 1		Analysis Time..: 19:32		
Potassium	50000	53900	ug/L	108	SW846 6010B	02/23-03/02/04	F9R1C1AW
			Dilution Factor: 1		Analysis Time..: 21:52		
Silver	50.0	54.0	ug/L	108	SW846 6010B	02/23-02/29/04	F9R1C1AX
			Dilution Factor: 1		Analysis Time..: 19:32		
Arsenic	2000	2040	ug/L	102	SW846 6010B	02/23-02/29/04	F9R1C1A0
			Dilution Factor: 1		Analysis Time..: 19:32		
Cadmium	50.0	50.2	ug/L	100	SW846 6010B	02/23-02/29/04	F9R1C1A1
			Dilution Factor: 1		Analysis Time..: 19:32		
Cobalt	500	521	ug/L	104	SW846 6010B	02/23-02/29/04	F9R1C1A2
			Dilution Factor: 1		Analysis Time..: 19:32		
Chromium	200	211	ug/L	106	SW846 6010B	02/23-02/29/04	F9R1C1A3
			Dilution Factor: 1		Analysis Time..: 19:32		
Copper	250	259	ug/L	103	SW846 6010B	02/23-02/29/04	F9R1C1A4
			Dilution Factor: 1		Analysis Time..: 19:32		
Nickel	500	507	ug/L	101	SW846 6010B	02/23-02/29/04	F9R1C1A5
			Dilution Factor: 1		Analysis Time..: 19:32		
Lead	500	521	ug/L	104	SW846 6010B	02/23-02/29/04	F9R1C1A6
			Dilution Factor: 1		Analysis Time..: 19:32		
Antimony	500	512	ug/L	102	SW846 6010B	02/23-02/29/04	F9R1C1A7
			Dilution Factor: 1		Analysis Time..: 19:32		

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LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: D4B170125 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Selenium	2000	2100	ug/L	105	SW846 6010B	02/23-02/29/04	F9R1C1A8
			Dilution Factor: 1		Analysis Time..: 19:32		
Zinc	500	501	ug/L	100	SW846 6010B	02/23-02/29/04	F9R1C1A9
			Dilution Factor: 1		Analysis Time..: 19:32		
Beryllium	50.0	51.5	ug/L	103	SW846 6010B	02/23-03/02/04	F9R1C1CA
			Dilution Factor: 1		Analysis Time..: 21:52		
Boron	1000	1050	ug/L	105	SW846 6010B	02/23-03/02/04	F9R1C1CC
			Dilution Factor: 1		Analysis Time..: 21:52		

NOTE(S):

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

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: D4B170125 **Matrix.....:** WATER
Date Sampled...: 02/16/04 14:24 **Date Received..:** 02/16/04

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D4B160213-057 **Prep Batch #...:** 4049311							
Mercury	90	(84 - 114)			SW846 7470A	02/24-02/25/04	F9NFD1DJ
	91	(84 - 114)	1.3	(0-10)	SW846 7470A	02/24-02/25/04	F9NFD1DK
		Dilution Factor: 1					
		Analysis Time..: 12:15					

NOTE(S):

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

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: D4B170125 **Matrix.....:** WATER
Date Sampled...: 02/16/04 14:24 **Date Received..:** 02/16/04

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D4B160213-057 **Prep Batch #...:** 4049311									
Mercury									
	0.079	5.00	4.58	ug/L	90		SW846 7470A	02/24-02/25/04	F9NFD1DJ
	0.079	5.00	4.64	ug/L	91	1.3	SW846 7470A	02/24-02/25/04	F9NFD1DK

Dilution Factor: 1
Analysis Time..: 12:15

NOTE(S):

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

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: D4B170125 **Matrix.....:** WATER
Date Sampled...: 02/16/04 10:15 **Date Received..:** 02/17/04

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D4B170125-001 **Prep Batch #...:** 4049608							
Manganese	100	(79 - 121)			SW846 6010B	02/23-03/02/04	F9NPF1CP
	99	(79 - 121)	1.4	(0-25)	SW846 6010B	02/23-03/02/04	F9NPF1CQ
		Dilution Factor: 1					
		Analysis Time..: 22:05					
Barium	106	(85 - 120)			SW846 6010B	02/23-02/29/04	F9NPF1CR
	105	(85 - 120)	0.31	(0-25)	SW846 6010B	02/23-02/29/04	F9NPF1CT
		Dilution Factor: 1					
		Analysis Time..: 19:47					
Potassium	106	(76 - 132)			SW846 6010B	02/23-03/02/04	F9NPF1CU
	104	(76 - 132)	2.1	(0-25)	SW846 6010B	02/23-03/02/04	F9NPF1CV
		Dilution Factor: 1					
		Analysis Time..: 22:05					
Silver	108	(75 - 141)			SW846 6010B	02/23-02/29/04	F9NPF1CW
	107	(75 - 141)	1.1	(0-25)	SW846 6010B	02/23-02/29/04	F9NPF1CX
		Dilution Factor: 1					
		Analysis Time..: 19:47					
Arsenic	101	(84 - 124)			SW846 6010B	02/23-02/29/04	F9NPF1C0
	101	(84 - 124)	0.33	(0-25)	SW846 6010B	02/23-02/29/04	F9NPF1C1
		Dilution Factor: 1					
		Analysis Time..: 19:47					
Cadmium	99	(82 - 119)			SW846 6010B	02/23-02/29/04	F9NPF1C2
	98	(82 - 119)	1.6	(0-25)	SW846 6010B	02/23-02/29/04	F9NPF1C3
		Dilution Factor: 1					
		Analysis Time..: 19:47					
Cobalt	103	(82 - 119)			SW846 6010B	02/23-02/29/04	F9NPF1C4
	102	(82 - 119)	0.87	(0-25)	SW846 6010B	02/23-02/29/04	F9NPF1C5
		Dilution Factor: 1					
		Analysis Time..: 19:47					
Chromium	104	(73 - 135)			SW846 6010B	02/23-02/29/04	F9NPF1C6
	104	(73 - 135)	0.34	(0-25)	SW846 6010B	02/23-02/29/04	F9NPF1C7
		Dilution Factor: 1					
		Analysis Time..: 19:47					

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MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: D4B170125 **Matrix.....:** WATER
Date Sampled...: 02/16/04 10:15 **Date Received..:** 02/17/04

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Copper	104	(82 - 129)			SW846 6010B	02/23-02/29/04	F9NPF1C8
	103	(82 - 129)	0.38	(0-25)	SW846 6010B	02/23-02/29/04	F9NPF1C9
		Dilution Factor: 1					
		Analysis Time..: 19:47					
Nickel	100	(84 - 120)			SW846 6010B	02/23-02/29/04	F9NPF1DA
	99	(84 - 120)	0.78	(0-25)	SW846 6010B	02/23-02/29/04	F9NPF1DC
		Dilution Factor: 1					
		Analysis Time..: 19:47					
Lead	104	(89 - 121)			SW846 6010B	02/23-02/29/04	F9NPF1DD
	102	(89 - 121)	1.2	(0-25)	SW846 6010B	02/23-02/29/04	F9NPF1DE
		Dilution Factor: 1					
		Analysis Time..: 19:47					
Antimony	101	(81 - 124)			SW846 6010B	02/23-02/29/04	F9NPF1DF
	100	(81 - 124)	0.87	(0-25)	SW846 6010B	02/23-02/29/04	F9NPF1DG
		Dilution Factor: 1					
		Analysis Time..: 19:47					
Selenium	103	(71 - 140)			SW846 6010B	02/23-02/29/04	F9NPF1DH
	103	(71 - 140)	0.15	(0-25)	SW846 6010B	02/23-02/29/04	F9NPF1DJ
		Dilution Factor: 1					
		Analysis Time..: 19:47					
Zinc	100	(60 - 137)			SW846 6010B	02/23-02/29/04	F9NPF1DK
	98	(60 - 137)	1.5	(0-25)	SW846 6010B	02/23-02/29/04	F9NPF1DL
		Dilution Factor: 1					
		Analysis Time..: 19:47					
Beryllium	103	(79 - 121)			SW846 6010B	02/23-03/02/04	F9NPF1DM
	100	(79 - 121)	2.4	(0-25)	SW846 6010B	02/23-03/02/04	F9NPF1DN
		Dilution Factor: 1					
		Analysis Time..: 22:05					
Boron	100	(87 - 113)			SW846 6010B	02/23-03/02/04	F9NPF1DP
	98	(87 - 113)	1.9	(0-25)	SW846 6010B	02/23-03/02/04	F9NPF1DQ
		Dilution Factor: 1					
		Analysis Time..: 22:05					

NOTE(S):

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

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: D4B170125 **Matrix.....:** WATER
Date Sampled...: 02/16/04 10:15 **Date Received..:** 02/17/04

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D4B170125-001 **Prep Batch #...:** 4049608									
Manganese									
	100	500	604	ug/L	100		SW846 6010B	02/23-03/02/04	F9NPF1CP
	100	500	595	ug/L	99	1.4	SW846 6010B	02/23-03/02/04	F9NPF1CQ
			Dilution Factor: 1						
			Analysis Time..: 22:05						
Barium									
	100	2000	2220	ug/L	106		SW846 6010B	02/23-02/29/04	F9NPF1CR
	100	2000	2210	ug/L	105	0.31	SW846 6010B	02/23-02/29/04	F9NPF1CT
			Dilution Factor: 1						
			Analysis Time..: 19:47						
Potassium									
	4600	50000	57500	ug/L	106		SW846 6010B	02/23-03/02/04	F9NPF1CU
	4600	50000	56400	ug/L	104	2.1	SW846 6010B	02/23-03/02/04	F9NPF1CV
			Dilution Factor: 1						
			Analysis Time..: 22:05						
Silver									
	ND	50.0	54.0	ug/L	108		SW846 6010B	02/23-02/29/04	F9NPF1CW
	ND	50.0	53.4	ug/L	107	1.1	SW846 6010B	02/23-02/29/04	F9NPF1CX
			Dilution Factor: 1						
			Analysis Time..: 19:47						
Arsenic									
	ND	2000	2030	ug/L	101		SW846 6010B	02/23-02/29/04	F9NPF1C0
	ND	2000	2020	ug/L	101	0.33	SW846 6010B	02/23-02/29/04	F9NPF1C1
			Dilution Factor: 1						
			Analysis Time..: 19:47						
Cadmium									
	ND	50.0	49.9	ug/L	99		SW846 6010B	02/23-02/29/04	F9NPF1C2
	ND	50.0	49.1	ug/L	98	1.6	SW846 6010B	02/23-02/29/04	F9NPF1C3
			Dilution Factor: 1						
			Analysis Time..: 19:47						
Cobalt									
	ND	500	515	ug/L	103		SW846 6010B	02/23-02/29/04	F9NPF1C4
	ND	500	510	ug/L	102	0.87	SW846 6010B	02/23-02/29/04	F9NPF1C5
			Dilution Factor: 1						
			Analysis Time..: 19:47						

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MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: D4B170125 **Matrix.....:** WATER
Date Sampled...: 02/16/04 10:15 **Date Received..:** 02/17/04

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Chromium									
	15	200	222	ug/L	104		SW846 6010B	02/23-02/29/04	F9NPF1C6
	15	200	223	ug/L	104	0.34	SW846 6010B	02/23-02/29/04	F9NPF1C7
			Dilution Factor: 1						
			Analysis Time..: 19:47						
Copper									
	3.0	250	262	ug/L	104		SW846 6010B	02/23-02/29/04	F9NPF1C8
	3.0	250	261	ug/L	103	0.38	SW846 6010B	02/23-02/29/04	F9NPF1C9
			Dilution Factor: 1						
			Analysis Time..: 19:47						
Nickel									
	10	500	511	ug/L	100		SW846 6010B	02/23-02/29/04	F9NPF1DA
	10	500	507	ug/L	99	0.78	SW846 6010B	02/23-02/29/04	F9NPF1DC
			Dilution Factor: 1						
			Analysis Time..: 19:47						
Lead									
	ND	500	519	ug/L	104		SW846 6010B	02/23-02/29/04	F9NPF1DD
	ND	500	513	ug/L	102	1.2	SW846 6010B	02/23-02/29/04	F9NPF1DE
			Dilution Factor: 1						
			Analysis Time..: 19:47						
Antimony									
	ND	500	506	ug/L	101		SW846 6010B	02/23-02/29/04	F9NPF1DF
	ND	500	501	ug/L	100	0.87	SW846 6010B	02/23-02/29/04	F9NPF1DG
			Dilution Factor: 1						
			Analysis Time..: 19:47						
Selenium									
	ND	2000	2070	ug/L	103		SW846 6010B	02/23-02/29/04	F9NPF1DH
	ND	2000	2060	ug/L	103	0.15	SW846 6010B	02/23-02/29/04	F9NPF1DJ
			Dilution Factor: 1						
			Analysis Time..: 19:47						
Zinc									
	ND	500	500	ug/L	100		SW846 6010B	02/23-02/29/04	F9NPF1DK
	ND	500	492	ug/L	98	1.5	SW846 6010B	02/23-02/29/04	F9NPF1DL
			Dilution Factor: 1						
			Analysis Time..: 19:47						

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MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: D4B170125 **Matrix.....:** WATER
Date Sampled...: 02/16/04 10:15 **Date Received..:** 02/17/04

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Beryllium									
	1.1	50.0	52.4	ug/L	103		SW846 6010B	02/23-03/02/04	F9NPF1DM
	1.1	50.0	51.2	ug/L	100	2.4	SW846 6010B	02/23-03/02/04	F9NPF1DN
			Dilution Factor: 1						
			Analysis Time..: 22:05						
Boron									
	170	1000	1180	ug/L	100		SW846 6010B	02/23-03/02/04	F9NPF1DP
	170	1000	1150	ug/L	98	1.9	SW846 6010B	02/23-03/02/04	F9NPF1DQ
			Dilution Factor: 1						
			Analysis Time..: 22:05						

NOTE(S):

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

METHOD BLANK REPORT

DISSOLVED Metals

Client Lot #...: D4B170125 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: D4B180000-606 **Prep Batch #...:** 4049606						
Calcium	ND	200	ug/L	SW846 6010B	02/23-03/04/04	F9R061AF
		Dilution Factor: 1				
		Analysis Time..: 07:02				
Magnesium	ND	200	ug/L	SW846 6010B	02/23-03/04/04	F9R061AN
		Dilution Factor: 1				
		Analysis Time..: 07:02				
Sodium	ND	5000	ug/L	SW846 6010B	02/23-03/04/04	F9R061AQ
		Dilution Factor: 1				
		Analysis Time..: 07:02				
Potassium	ND	5000	ug/L	SW846 6010B	02/23-03/04/04	F9R061AM
		Dilution Factor: 1				
		Analysis Time..: 07:02				
Iron	ND	100	ug/L	SW846 6010B	02/23-03/04/04	F9R061AL
		Dilution Factor: 1				
		Analysis Time..: 07:02				

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: D4B170125 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: D4B180000-606 **Prep Batch #...:** 4049606					
Calcium	107	(89 - 110)	SW846 6010B	02/23-03/04/04	F9R061A3
		Dilution Factor: 1	Analysis Time..: 07:06		
Magnesium	108	(91 - 111)	SW846 6010B	02/23-03/04/04	F9R061CA
		Dilution Factor: 1	Analysis Time..: 07:06		
Sodium	104	(91 - 112)	SW846 6010B	02/23-03/04/04	F9R061CD
		Dilution Factor: 1	Analysis Time..: 07:06		
Potassium	109	(86 - 111)	SW846 6010B	02/23-03/04/04	F9R061A9
		Dilution Factor: 1	Analysis Time..: 07:06		
Iron	105	(88 - 110)	SW846 6010B	02/23-03/04/04	F9R061A8
		Dilution Factor: 1	Analysis Time..: 07:06		

NOTE(S):

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

LABORATORY CONTROL SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: D4B170125 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: D4B180000-606 **Prep Batch #...:** 4049606							
Calcium	50000	53300	ug/L	107	SW846 6010B	02/23-03/04/04	F9R061A3
			Dilution Factor: 1		Analysis Time..: 07:06		
Magnesium	50000	54200	ug/L	108	SW846 6010B	02/23-03/04/04	F9R061CA
			Dilution Factor: 1		Analysis Time..: 07:06		
Sodium	50000	52100	ug/L	104	SW846 6010B	02/23-03/04/04	F9R061CD
			Dilution Factor: 1		Analysis Time..: 07:06		
Potassium	50000	54600	ug/L	109	SW846 6010B	02/23-03/04/04	F9R061A9
			Dilution Factor: 1		Analysis Time..: 07:06		
Iron	1000	1050	ug/L	105	SW846 6010B	02/23-03/04/04	F9R061A8
			Dilution Factor: 1		Analysis Time..: 07:06		

NOTE(S):

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

MATRIX SPIKE SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: D4B170125 **Matrix.....:** WATER
Date Sampled...: 02/16/04 13:04 **Date Received..:** 02/17/04

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D4B170167-001 **Prep Batch #...:** 4049606							
Calcium	111	(48 - 153)			SW846 6010B	02/23-03/04/04	F9N2J1CJ
	105	(48 - 153)	2.2	(0-25)	SW846 6010B	02/23-03/04/04	F9N2J1CK
		Dilution Factor: 1					
		Analysis Time..: 07:33					
Magnesium	111	(62 - 146)			SW846 6010B	02/23-03/04/04	F9N2J1C1
	106	(62 - 146)	2.8	(0-25)	SW846 6010B	02/23-03/04/04	F9N2J1C2
		Dilution Factor: 1					
		Analysis Time..: 07:33					
Sodium	114	(70 - 203)			SW846 6010B	02/23-03/04/04	F9N2J1C5
	107	(70 - 203)	2.2	(0-40)	SW846 6010B	02/23-03/04/04	F9N2J1C6
		Dilution Factor: 1					
		Analysis Time..: 07:33					
Potassium	113	(76 - 132)			SW846 6010B	02/23-03/04/04	F9N2J1CX
	109	(76 - 132)	3.9	(0-25)	SW846 6010B	02/23-03/04/04	F9N2J1C0
		Dilution Factor: 1					
		Analysis Time..: 07:33					
Iron	105	(52 - 155)			SW846 6010B	02/23-03/04/04	F9N2J1CV
	102	(52 - 155)	3.4	(0-25)	SW846 6010B	02/23-03/04/04	F9N2J1CW
		Dilution Factor: 1					
		Analysis Time..: 07:33					

NOTE(S):

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

MATRIX SPIKE SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: D4B170125 **Matrix.....:** WATER
Date Sampled...: 02/16/04 13:04 **Date Received..:** 02/17/04

MS Lot-Sample #: D4B170167-001 **Prep Batch #...:** 4049606

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Calcium									
	62000	50000	117000	ug/L	111		SW846 6010B	02/23-03/04/04	F9N2J1CJ
	62000	50000	114000	ug/L	105	2.2	SW846 6010B	02/23-03/04/04	F9N2J1CK
			Dilution Factor: 1						
			Analysis Time..: 07:33						
Magnesium									
	32000	50000	87000	ug/L	111		SW846 6010B	02/23-03/04/04	F9N2J1C1
	32000	50000	84600	ug/L	106	2.8	SW846 6010B	02/23-03/04/04	F9N2J1C2
			Dilution Factor: 1						
			Analysis Time..: 07:33						
Sodium									
	120000	50000	174000	ug/L	114		SW846 6010B	02/23-03/04/04	F9N2J1C5
	120000	50000	170000	ug/L	107	2.2	SW846 6010B	02/23-03/04/04	F9N2J1C6
			Dilution Factor: 1						
			Analysis Time..: 07:33						
Potassium									
	680	50000	57300	ug/L	113		SW846 6010B	02/23-03/04/04	F9N2J1CX
	680	50000	55100	ug/L	109	3.9	SW846 6010B	02/23-03/04/04	F9N2J1C0
			Dilution Factor: 1						
			Analysis Time..: 07:33						
Iron									
	ND	1000	1050	ug/L	105		SW846 6010B	02/23-03/04/04	F9N2J1CV
	ND	1000	1020	ug/L	102	3.4	SW846 6010B	02/23-03/04/04	F9N2J1CW
			Dilution Factor: 1						
			Analysis Time..: 07:33						

NOTE(S):

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

METHOD BLANK REPORT

General Chemistry

Client Lot #...: D4B170125 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Biochemical Oxygen Demand (BOD)		Work Order #: F9RQ71AA		MB Lot-Sample #:	D4B180000-564	
	ND	2.0	mg/L	MCAWW 405.1	02/18/04	4049564
		Dilution Factor: 1				
		Analysis Time..: 10:00				
Chemical Oxygen Demand (COD)		Work Order #: GAAAX1AA		MB Lot-Sample #:	D4B270000-267	
	ND	8.0	mg/L	MCAWW 410.4	02/26/04	4058267
		Dilution Factor: 1				
		Analysis Time..: 15:00				
Chloride		Work Order #: F90K41AA		MB Lot-Sample #:	D4B180000-468	
	ND	3.0	mg/L	MCAWW 300.0A	02/17/04	4049468
		Dilution Factor: 1				
		Analysis Time..: 16:14				
Cyanide, Total		Work Order #: F97LP1AA		MB Lot-Sample #:	D4B250000-554	
	ND	0.010	mg/L	SW846 9012A	02/24-02/25/04	4056554
		Dilution Factor: 1				
		Analysis Time..: 13:00				
Fluoride		Work Order #: F90KL1AA		MB Lot-Sample #:	D4B180000-469	
	ND	1.0	mg/L	MCAWW 300.0A	02/17/04	4049469
		Dilution Factor: 1				
		Analysis Time..: 16:14				
Nitrate		Work Order #: F90MD1AA		MB Lot-Sample #:	D4B180000-470	
	ND	0.50	mg/L	MCAWW 300.0A	02/17/04	4049470
		Dilution Factor: 1				
		Analysis Time..: 16:14				
Specific Conductance		Work Order #: F99841AA		MB Lot-Sample #:	D4B270000-240	
	0.82 B	**2.0**	**umhos/cm**	**MCAWW 120.1**	**02/24/04**	**4058240**
		Dilution Factor: 1				
		Analysis Time..: 16:00				
Sulfate		Work Order #: F90N61AA		MB Lot-Sample #:	D4B180000-467	
	ND	5.0	mg/L	MCAWW 300.0A	02/17/04	4049467
		Dilution Factor: 1				
		Analysis Time..: 16:14				
Total Alkalinity		Work Order #: F92G51AA		MB Lot-Sample #:	D4B230000-247	
	ND	5.0	mg/L	MCAWW 310.1	02/20/04	4054247
		Dilution Factor: 1				
		Analysis Time..: 18:00				

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METHOD BLANK REPORT

General Chemistry

Client Lot #...: D4B170125 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Dissolved Solids		Work Order #: F9X881AA		MB Lot-Sample #:	D4B180000-514	
	ND	10	mg/L	MCAWW 160.1	02/18/04	4049514
		Dilution Factor: 1				
		Analysis Time..: 15:00				
Total Organic Halogens		Work Order #: GAA2V1AA		MB Lot-Sample #:	D4B270000-398	
	8.4 B	**30**	**ug/L**	**SW846 9020B**	**02/24/04**	**4058398**
		Dilution Factor: 1				
		Analysis Time..: 12:00				
Total Organic Carbon		Work Order #: F99LA1AA		MB Lot-Sample #:	D4B260000-522	
	ND	1.0	mg/L	MCAWW 415.1	02/25/04	4057522
		Dilution Factor: 1				
		Analysis Time..: 22:00				
Total Sulfide		Work Order #: F96CP1AA		MB Lot-Sample #:	D4B230000-514	
	ND	4.0	mg/L	SW846 9030B/9034	02/20/04	4054514
		Dilution Factor: 1				
		Analysis Time..: 11:30				

NOTE(S):

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

B Estimated result. Result is less than RL.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Lot-Sample #...: D4B170125 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Biochemical Oxygen Demand (BOD)		WO#:F9RQ71AC-LCS/F9RQ71AD-LCSD				LCS Lot-Sample#: D4B180000-564	
	93	(85 - 115)			MCAWW 405.1	02/18/04	4049564
	90	(85 - 115)	3.3	(0-20)	MCAWW 405.1	02/18/04	4049564
		Dilution Factor: 1			Analysis Time..: 10:00		
Chemical Oxygen Demand (COD)		WO#:GAAAX1AC-LCS/GAAAX1AD-LCSD				LCS Lot-Sample#: D4B270000-267	
	95	(86 - 114)			MCAWW 410.4	02/26/04	4058267
	95	(86 - 114)	0.69	(0-11)	MCAWW 410.4	02/26/04	4058267
		Dilution Factor: 1			Analysis Time..: 15:00		
Chloride		WO#:F90K41AC-LCS/F90K41AD-LCSD				LCS Lot-Sample#: D4B180000-468	
	99	(90 - 110)			MCAWW 300.0A	02/17/04	4049468
	99	(90 - 110)	0.10	(0-10)	MCAWW 300.0A	02/17/04	4049468
		Dilution Factor: 1			Analysis Time..: 15:51		
Fluoride		WO#:F90KL1AC-LCS/F90KL1AD-LCSD				LCS Lot-Sample#: D4B180000-469	
	99	(90 - 110)			MCAWW 300.0A	02/17/04	4049469
	99	(90 - 110)	0.0	(0-10)	MCAWW 300.0A	02/17/04	4049469
		Dilution Factor: 1			Analysis Time..: 15:51		
Nitrate		WO#:F90MD1AC-LCS/F90MD1AD-LCSD				LCS Lot-Sample#: D4B180000-470	
	96	(90 - 110)			MCAWW 300.0A	02/17/04	4049470
	96	(90 - 110)	0.26	(0-10)	MCAWW 300.0A	02/17/04	4049470
		Dilution Factor: 1			Analysis Time..: 15:51		
Sulfate		WO#:F90N61AC-LCS/F90N61AD-LCSD				LCS Lot-Sample#: D4B180000-467	
	94	(90 - 110)			MCAWW 300.0A	02/17/04	4049467
	94	(90 - 110)	0.37	(0-10)	MCAWW 300.0A	02/17/04	4049467
		Dilution Factor: 1			Analysis Time..: 15:51		
Total Alkalinity		WO#:F92G51AC-LCS/F92G51AD-LCSD				LCS Lot-Sample#: D4B230000-247	
	99	(95 - 110)			MCAWW 310.1	02/20/04	4054247
	100	(95 - 110)	0.65	(0-10)	MCAWW 310.1	02/20/04	4054247
		Dilution Factor: 1			Analysis Time..: 18:00		

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Lot-Sample #...: D4B170125 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Dissolved Solids		WO#:F9X881AC-LCS/F9X881AD-LCSD				LCS Lot-Sample#: D4B180000-514	
	97	(86 - 106)			MCAWW 160.1	02/18/04	4049514
	96	(86 - 106)	0.41	(0-20)	MCAWW 160.1	02/18/04	4049514
		Dilution Factor: 1			Analysis Time..: 15:00		
Total Organic Carbon		WO#:F99LA1AC-LCS/F99LA1AD-LCSD				LCS Lot-Sample#: D4B260000-522	
	108	(90 - 110)			MCAWW 415.1	02/25/04	4057522
	107	(90 - 110)	1.7	(0-10)	MCAWW 415.1	02/25-02/26/04	4057522
		Dilution Factor: 1			Analysis Time..: 22:00		
Total Sulfide		WO#:F96CP1AC-LCS/F96CP1AD-LCSD				LCS Lot-Sample#: D4B230000-514	
	73	(70 - 130)			SW846 9030B/9034	02/20/04	4054514
	70	(70 - 130)	3.4	(0-20)	SW846 9030B/9034	02/20/04	4054514
		Dilution Factor: 1			Analysis Time..: 11:30		

NOTE(S):

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

LABORATORY CONTROL SAMPLE DATA REPORT

General Chemistry

Lot-Sample #...: D4B170125 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Biochemical Oxygen Demand (BOD)			WO#:F9RQ71AC-LCS/F9RQ71AD-LCSD			LCS Lot-Sample#: D4B180000-564		
	198	184	mg/L	93		MCAWW 405.1	02/18/04	4049564
	198	178	mg/L	90	3.3	MCAWW 405.1	02/18/04	4049564
			Dilution Factor: 1			Analysis Time..: 10:00		
Chemical Oxygen Demand (COD)			WO#:GAAAX1AC-LCS/GAAAX1AD-LCSD			LCS Lot-Sample#: D4B270000-267		
	100	95.4	mg/L	95		MCAWW 410.4	02/26/04	4058267
	100	94.8	mg/L	95	0.69	MCAWW 410.4	02/26/04	4058267
			Dilution Factor: 1			Analysis Time..: 15:00		
Chloride			WO#:F90K41AC-LCS/F90K41AD-LCSD			LCS Lot-Sample#: D4B180000-468		
	20.0	19.8	mg/L	99		MCAWW 300.0A	02/17/04	4049468
	20.0	19.7	mg/L	99	0.10	MCAWW 300.0A	02/17/04	4049468
			Dilution Factor: 1			Analysis Time..: 15:51		
Fluoride			WO#:F90KL1AC-LCS/F90KL1AD-LCSD			LCS Lot-Sample#: D4B180000-469		
	4.00	3.95	mg/L	99		MCAWW 300.0A	02/17/04	4049469
	4.00	3.95	mg/L	99	0.0	MCAWW 300.0A	02/17/04	4049469
			Dilution Factor: 1			Analysis Time..: 15:51		
Nitrate			WO#:F90MD1AC-LCS/F90MD1AD-LCSD			LCS Lot-Sample#: D4B180000-470		
	4.00	3.84	mg/L	96		MCAWW 300.0A	02/17/04	4049470
	4.00	3.83	mg/L	96	0.26	MCAWW 300.0A	02/17/04	4049470
			Dilution Factor: 1			Analysis Time..: 15:51		
Sulfate			WO#:F90N61AC-LCS/F90N61AD-LCSD			LCS Lot-Sample#: D4B180000-467		
	20.0	18.8	mg/L	94		MCAWW 300.0A	02/17/04	4049467
	20.0	18.8	mg/L	94	0.37	MCAWW 300.0A	02/17/04	4049467
			Dilution Factor: 1			Analysis Time..: 15:51		
Total Alkalinity			WO#:F92G51AC-LCS/F92G51AD-LCSD			LCS Lot-Sample#: D4B230000-247		
	200	199	mg/L	99		MCAWW 310.1	02/20/04	4054247
	200	200	mg/L	100	0.65	MCAWW 310.1	02/20/04	4054247
			Dilution Factor: 1			Analysis Time..: 18:00		

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LABORATORY CONTROL SAMPLE DATA REPORT

General Chemistry

Lot-Sample #...: D4B170125 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Dissolved Solids		WO#:F9X881AC-LCS/F9X881AD-LCSD				LCS Lot-Sample#: D4B180000-514		
	500	484	mg/L	97		MCAWW 160.1	02/18/04	4049514
	500	482	mg/L	96	0.41	MCAWW 160.1	02/18/04	4049514
		Dilution Factor: 1				Analysis Time..: 15:00		
Total Organic Carbon		WO#:F99LA1AC-LCS/F99LA1AD-LCSD				LCS Lot-Sample#: D4B260000-522		
	25.0	27.1	mg/L	108		MCAWW 415.1	02/25/04	4057522
	25.0	26.6	mg/L	107	1.7	MCAWW 415.1	02/25-02/26/04	4057522
		Dilution Factor: 1				Analysis Time..: 22:00		
Total Sulfide		WO#:F96CP1AC-LCS/F96CP1AD-LCSD				LCS Lot-Sample#: D4B230000-514		
	19.5	14.2	mg/L	73		SW846 9030B/9034	02/20/04	4054514
	19.5	13.8	mg/L	70	3.4	SW846 9030B/9034	02/20/04	4054514
		Dilution Factor: 1				Analysis Time..: 11:30		

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: D4B170125 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Cyanide, Total		Work Order #: F97LP1AC	LCS Lot-Sample#: D4B250000-554		
	100	(89 - 109)	SW846 9012A	02/24-02/25/04	4056554
		Dilution Factor: 1	Analysis Time..: 13:00		
Specific Conductance		Work Order #: F99841AC	LCS Lot-Sample#: D4B270000-240		
	105	(89 - 109)	MCAWW 120.1	02/24/04	4058240
		Dilution Factor: 1	Analysis Time..: 16:00		
Total Organic Halogens		Work Order #: GAA2V1AC	LCS Lot-Sample#: D4B270000-398		
	102	(75 - 113)	SW846 9020B	02/24/04	4058398
		Dilution Factor: 1	Analysis Time..: 12:00		

NOTE(S):

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

LABORATORY CONTROL SAMPLE DATA REPORT

General Chemistry

Client Lot #...: D4B170125 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Cyanide, Total			Work Order #: F97LP1AC		LCS Lot-Sample#: D4B250000-554		
	0.100	0.100	mg/L	100	SW846 9012A	02/24-02/25/04	4056554
			Dilution Factor: 1		Analysis Time..: 13:00		
Specific Conductance			Work Order #: F99841AC		LCS Lot-Sample#: D4B270000-240		
	1000	1050	umhos/cm	105	MCAWW 120.1	02/24/04	4058240
			Dilution Factor: 1		Analysis Time..: 16:00		
Total Organic Halogens			Work Order #: GAA2V1AC		LCS Lot-Sample#: D4B270000-398		
	100	102	ug/L	102	SW846 9020B	02/24/04	4058398
			Dilution Factor: 1		Analysis Time..: 12:00		

NOTE(S):

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

MATRIX SPIKE SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: D4B170125 **Matrix.....:** WATER
Date Sampled...: 02/17/04 13:35 **Date Received..:** 02/18/04

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chemical Oxygen Demand (COD)		WO#: F9NQ71D4-MS/F9NQ71D5-MSD				MS Lot-Sample #: D4B170132-001	
	84	(74 - 109)			MCAWW 410.4	02/26/04	4058267
	84	(74 - 109)	0.0	(0-11)	MCAWW 410.4	02/26/04	4058267
		Dilution Factor: 1					
		Analysis Time..: 15:00					
Chloride		WO#: F9NPF1EQ-MS/F9NPF1ER-MSD				MS Lot-Sample #: D4B170125-001	
	116 I	(80 - 120)			MCAWW 300.0A	02/17/04	4049468
	115 I	(80 - 120)	0.75	(0-10)	MCAWW 300.0A	02/17/04	4049468
		Dilution Factor: 1					
		Analysis Time..: 18:52					
Cyanide, Total		WO#: F9NPF1EX-MS/F9NPF1E0-MSD				MS Lot-Sample #: D4B170125-001	
	97	(78 - 120)			SW846 9012A	02/24-02/25/04	4056554
	99	(78 - 120)	1.8	(0-20)	SW846 9012A	02/24-02/25/04	4056554
		Dilution Factor: 1					
		Analysis Time..: 13:00					
Fluoride		WO#: F9NPF1EN-MS/F9NPF1EP-MSD				MS Lot-Sample #: D4B170125-001	
	110	(80 - 120)			MCAWW 300.0A	02/17/04	4049469
	110	(80 - 120)	0.16	(0-10)	MCAWW 300.0A	02/17/04	4049469
		Dilution Factor: 1					
		Analysis Time..: 18:52					
Nitrate		WO#: F9NPF1ET-MS/F9NPF1EU-MSD				MS Lot-Sample #: D4B170125-001	
	111	(80 - 120)			MCAWW 300.0A	02/17/04	4049470
	110	(80 - 120)	1.3	(0-10)	MCAWW 300.0A	02/17/04	4049470
		Dilution Factor: 1					
		Analysis Time..: 18:52					
Nitrate		WO#: F9N3T1AU-MS/F9N3T1AV-MSD				MS Lot-Sample #: D4B170182-001	
	117	(80 - 120)			MCAWW 300.0A	02/17/04	4049470
	117	(80 - 120)	0.41	(0-10)	MCAWW 300.0A	02/17/04	4049470
		Dilution Factor: 1					
		Analysis Time..: 21:08					
Sulfate		WO#: F9NPF1EV-MS/F9NPF1EW-MSD				MS Lot-Sample #: D4B170125-001	
	116	(80 - 120)			MCAWW 300.0A	02/17/04	4049467
	116	(80 - 120)	0.06	(0-10)	MCAWW 300.0A	02/17/04	4049467
		Dilution Factor: 1					
		Analysis Time..: 19:26					

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MATRIX SPIKE SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: D4B170125 **Matrix.....:** WATER
Date Sampled...: 02/17/04 13:35 **Date Received..:** 02/18/04

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Sulfate		WO#: F9N3T1AW-MS/F9N3T1AX-MSD				MS Lot-Sample #: D4B170182-001	
	123 N	(80 - 120)			MCAWW 300.0A	02/17/04	4049467
	119	(80 - 120)	2.1	(0-10)	MCAWW 300.0A	02/17/04	4049467
		Dilution Factor: 1					
		Analysis Time..: 21:08					
Total Organic Halogens		WO#: F9Q0E1CG-MS/F9Q0E1CH-MSD				MS Lot-Sample #: D4B180194-006	
	96	(75 - 113)			SW846 9020B	02/24-02/25/04	4058399
	95	(75 - 113)	1.0	(0-30)	SW846 9020B	02/24-02/25/04	4058399
		Dilution Factor: 1					
		Analysis Time..: 12:00					
Total Organic Carbon		WO#: F9NPF1E1-MS/F9NPF1E2-MSD				MS Lot-Sample #: D4B170125-001	
	103	(85 - 117)			MCAWW 415.1	02/25/04	4057522
	114	(85 - 117)	9.7	(0-10)	MCAWW 415.1	02/25/04	4057522
		Dilution Factor: 1					
		Analysis Time..: 21:00					

NOTE(S):

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

I Estimated result. Result concentration exceeds the calibration range.

N Spiked analyte recovery is outside stated control limits.

MATRIX SPIKE SAMPLE DATA REPORT

General Chemistry

Client Lot #...: D4B170125 **Matrix.....:** WATER
Date Sampled...: 02/17/04 13:35 **Date Received..:** 02/18/04

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chemical Oxygen Demand (COD)			WO#: F9NQ71D4-MS/F9NQ71D5-MSD				MS Lot-Sample #: D4B170132-001		
	8.3	50.0	50.2	mg/L	84		MCAWW 410.4	02/26/04	4058267
	8.3	50.0	50.2	mg/L	84	0.0	MCAWW 410.4	02/26/04	4058267
			Dilution Factor: 1						
			Analysis Time..: 15:00						
Chloride			WO#: F9NPF1EQ-MS/F9NPF1ER-MSD				MS Lot-Sample #: D4B170125-001		
	27	25.0	55.7 I	mg/L	116		MCAWW 300.0A	02/17/04	4049468
	27	25.0	55.3 I	mg/L	115	0.75	MCAWW 300.0A	02/17/04	4049468
			Dilution Factor: 1						
			Analysis Time..: 18:52						
Cyanide, Total			WO#: F9NPF1EX-MS/F9NPF1E0-MSD				MS Lot-Sample #: D4B170125-001		
	ND	0.100	0.0969	mg/L	97		SW846 9012A	02/24-02/25/04	4056554
	ND	0.100	0.0987	mg/L	99	1.8	SW846 9012A	02/24-02/25/04	4056554
			Dilution Factor: 1						
			Analysis Time..: 13:00						
Fluoride			WO#: F9NPF1EN-MS/F9NPF1EP-MSD				MS Lot-Sample #: D4B170125-001		
	0.59	5.00	6.08	mg/L	110		MCAWW 300.0A	02/17/04	4049469
	0.59	5.00	6.09	mg/L	110	0.16	MCAWW 300.0A	02/17/04	4049469
			Dilution Factor: 1						
			Analysis Time..: 18:52						
Nitrate			WO#: F9NPF1ET-MS/F9NPF1EU-MSD				MS Lot-Sample #: D4B170125-001		
	0.53	5.00	6.10	mg/L	111		MCAWW 300.0A	02/17/04	4049470
	0.53	5.00	6.02	mg/L	110	1.3	MCAWW 300.0A	02/17/04	4049470
			Dilution Factor: 1						
			Analysis Time..: 18:52						
Nitrate			WO#: F9N3T1AU-MS/F9N3T1AV-MSD				MS Lot-Sample #: D4B170182-001		
	ND	25.0	29.2	mg/L	117		MCAWW 300.0A	02/17/04	4049470
	ND	25.0	29.3	mg/L	117	0.41	MCAWW 300.0A	02/17/04	4049470
			Dilution Factor: 1						
			Analysis Time..: 21:08						
Sulfate			WO#: F9NPF1EV-MS/F9NPF1EW-MSD				MS Lot-Sample #: D4B170125-001		
	48	125	193	mg/L	116		MCAWW 300.0A	02/17/04	4049467
	48	125	193	mg/L	116	0.06	MCAWW 300.0A	02/17/04	4049467
			Dilution Factor: 1						
			Analysis Time..: 19:26						

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MATRIX SPIKE SAMPLE DATA REPORT

General Chemistry

Client Lot #...: D4B170125 **Matrix.....:** WATER
Date Sampled...: 02/17/04 13:35 **Date Received..:** 02/18/04

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Sulfate			WO#: F9N3T1AW-MS/F9N3T1AX-MSD				MS Lot-Sample #: D4B170182-001		
	96	125	250 N	mg/L	123		MCAWW 300.0A	02/17/04	4049467
	96	125	245	mg/L	119	2.1	MCAWW 300.0A	02/17/04	4049467
			Dilution Factor: 1						
			Analysis Time..: 21:08						
Total Organic Halogens			WO#: F9Q0E1CG-MS/F9Q0E1CH-MSD				MS Lot-Sample #: D4B180194-006		
	ND	100	96.0	ug/L	96		SW846 9020B	02/24-02/25/04	4058399
	ND	100	95.0	ug/L	95	1.0	SW846 9020B	02/24-02/25/04	4058399
			Dilution Factor: 1						
			Analysis Time..: 12:00						
Total Organic Carbon			WO#: F9NPF1E1-MS/F9NPF1E2-MSD				MS Lot-Sample #: D4B170125-001		
	ND	25.0	25.8	mg/L	103		MCAWW 415.1	02/25/04	4057522
	ND	25.0	28.4	mg/L	114	9.7	MCAWW 415.1	02/25/04	4057522
			Dilution Factor: 1						
			Analysis Time..: 21:00						

NOTE(S):

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

I Estimated result. Result concentration exceeds the calibration range.

N Spiked analyte recovery is outside stated control limits.

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: D4B170125 **Work Order #...:** F9N82-SMP F9N82-DUP **Matrix.....:** WATER

Date Sampled...: 02/13/04 11:15 **Date Received..:** 02/17/04

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Dissolved Solids						SD Lot-Sample #:	D4B170210-001	
	110	110	mg/L	1.8	(0-20)	MCAWW 160.1	02/18/04	4049514

Dilution Factor: 1 Analysis Time..: 15:00

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: D4B170125 **Work Order #...:** F9PG2-SMP F9PG2-DUP **Matrix.....:** WATER

Date Sampled...: 02/17/04 11:30 **Date Received..:** 02/17/04

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Biochemical Oxygen Demand (BOD)						SD Lot-Sample #:	D4B170241-001	
	240	260	mg/L	6.3	(0-20)	MCAWW 405.1	02/18/04	4049564

Dilution Factor: 1 Analysis Time..: 10:00

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: D4B170125 **Work Order #...:** F9PLR-SMP F9PLR-DUP **Matrix.....:** WATER

Date Sampled...: 02/13/04 13:51 **Date Received..:** 02/17/04

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Alkalinity						SD Lot-Sample #:	D4B170245-031	
	31	31 B	mg/L	0.32	(0-10)	MCAWW 310.1	02/20/04	4054244

Dilution Factor: 1 Analysis Time..: 19:00

NOTE(S):

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

B Estimated result. Result is less than RL and greater than or equal to the MDL.

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: D4B170125 **Work Order #...:** F9NPG-SMP F9NPG-DUP **Matrix.....:** WATER

Date Sampled...: 02/16/04 12:25 **Date Received..:** 02/17/04

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Specific Conductance						SD Lot-Sample #: D4B170125-002		
	560 J	580	umhos/cm	2.6	(0-7.0)	MCAWW 120.1	02/24/04	4058240

Dilution Factor: 1 Analysis Time..: 16:00

NOTE(S):

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

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

[redacted]

Chain of Custody Record

3.7, 2.7, 2.6
VB
2/17/04

SEVERN TRENT **STL**
Severn Trent Laboratories, Inc.

STL Denver
4955 Yarrow Street
Arvada, CO 80002

STL-4124 (0901)

Client	Project Manager	Date	Chain of Custody Number
SCS-ENG. C/O WASTE MGMT	TINA SCHMIESING	2/16/04	303834
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page 1 of 1**
3711 LONG BEACH BLVD 9TH	1800 324-9544		
City / State / Zip Code	**Site Contact**	**Lab Contact**	
LONG BEACH / CA / 90807	BRUCE M.	BETSY F	
Project Name and Location (State)	**Carrier/Waybill Number**		
BRADLEY			
Contract/Purchase Order/Quote No.			
234-256622-C			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Air	Aqueous	Sed.	Soil	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Cond.	Tot. Alk	8021/8240	TDS	Metals Tot.	TOX	COD/TOC	NO4	Metals diss.	BOD	NO3/NO2	BNA	CN	T. Sulfide	Special Instructions/ Conditions of Receipt
4915A	2/16/04	1015		X			5	2	2	3	1	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
4915C	2/16/04	1225		X			5	2	2	3	1	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
4915E	2/16/04	1410		X			5	2	2	3	1	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
FIELD BLANK (FROM 4915A)	2/16/04	1035		X						1										X							Filled rept to well.
TRIP BLANK	2/16/04	1420		X			~~5~~	~~2~~	~~2~~	1										X							

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

Relinquished By	Date	Time	Received By	Date	Time
1. [signature]	2/16/04	1630	1. Aaron Birrell	2/17/04	0900
2. [signature]			2.		
3.			3.		

Comments

6

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

FIELD INFORMATION FORM

WASTE MANAGEMENT

Site Name: BRADLEY LF

Site No.:

Sample Point: 4915 A (Sample ID)

This Waste Management Field Information Form is Required
This form is to be completed, in addition to any State Forms. The Field Form is submitted along with the Chain of Custody Forms that accompany the sample containers (i.e. with the cooler that is returned to the laboratory).

Laboratory Use Only/Lab ID: DMB170125-001

PURGE INFO

PURGE DATE (MM DD YY)	PURGE TIME (2400 Hr Clock)	ELAPSED HRS (hrs:min)	WATER VOL IN CASING (Gallons)	ACTUAL VOL PURGED (Gallons)	WELL VOLs PURGED
021604	0920	—	400	200	~~200~~

Note: For Passive Sampling, replace "Water Vol in Casing" and "Well Vols Purged" w/ Water Vol in Tubing/Flow Cell and Tubing/Flow Cell Vols Purged. Mark changes, record field data, below.

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment ... Dedicated: (Y) or N

Purging Device: E — A- Submersible Pump, B-Peristaltic Pump, C-QED Bladder Pump, D-Bailer, E-Piston Pump, F-Dipper/Bottle

Sampling Device: E

X-Other:

Filter Device: (Y) or N (0.45 µ) or ____ µ (circle or fill in)

Filter Type: A — A-In-line Disposable, B-Pressure, C-Vacuum, X-Other

Sample Tube Type: A — A-Teflon, B-Stainless Steel, C-PVC, D-Polypropylene, X-Other:

WELL DATA

Well Elevation (at TOC)	Depth to Water (DTW) (from TOC)	Groundwater Elevation (site datum, from TOC)
92845 (ft/msl)	26989 (ft)	(ft/msl)

Total Well Depth (from TOC)	Stick Up (from ground elevation)	Casing ID	Casing Material
310 (ft)	(ft)	60 (in)	PVC

Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data, unless required by Site/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

STABILIZATION DATA (Optional)

Sample Time (2400 Hr Clock)	Rate/Unit	pH (std)	Conductance (SC/EC) (µmhos/cm @ 25 °C)	Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
09:30	4.0 1st	7.97 1st	.569 1st	24.0	27.0	2.2	—	—
09:40	8.0 2nd	7.66 2nd	.558 2nd	21.1	27.0	3.3	—	—
09:50	12.0 3rd	7.55 3rd	.559 3rd	21.0	21.0	3.4	—	—
10:00	16.0 4th	7.58 4th	.558 4th	20.8	20.0	3.8	—	—
10:10	20.0	7.58	.558	20.8	20.0	3.8	—	—
Suggested range for 3 consec. readings or note Permit/State requirements:		+/- 0.2	+/- 3%	--	--	+/- 10%	+/- 25 mV	Stabilize

Stabilization Data Fields are Optional *(i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State/Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form.*

FIELD DATA

SAMPLE DATE (MM DD YY)	pH (std)	CONDUCTANCE (umhos/cm @ 25°C)	TEMP. (°C)	TURBIDITY (ntu)	DO (mg/L-ppm)	eH/ORP (mV)	Other: Units gal.
021604	7.58	.558	20.8	20.0	3.8	—	

Final Field Readings are required *(i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site.*

FIELD COMMENTS

Sample Appearance: clear Odor: None Color: clear Other:

Weather Conditions (required daily, or as conditions change): Direction/Speed: Outlook: Precipitation: Y or (N)

Specific Comments (including purge/well volume calculations if required):

* Samples collected when readings had stabilized. @ 20 gal.
* Samples collected @ 1015 HRS.
* FIELD BLANK COLLECTED NEAR WELL @ 1035 HRS.

I certify that sampling procedures were in accordance with applicable EPA, State, and WM protocols (if more than one sampler, all should sign).

Date	Name	Signature	Company
2/16/04	Ernesto Martinez	[signature]	SCS-FS

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy

STL-8029WM R-12/00

FIELD INFORMATION FORM

WASTE MANAGEMENT

Site Name: BRADLEY LF

Site No.:

Sample Point: 4915 C (Sample ID)

This Waste Management Field Information Form is Required
This form is to be completed, in addition to any State Forms. The Field Form is submitted along with the Chain of Custody Forms that accompany the sample containers (i.e. with the cooler that is returned to the laboratory).

Laboratory Use Only/Lab ID: 04B17025-002

PURGE INFO

PURGE DATE (MM DD YY)	PURGE TIME (2400 Hr Clock)	ELAPSED HRS (hrs:min)	WATER VOL IN CASING (Gallons)	ACTUAL VOL PURGED (Gallons)	WELL VOLs PURGED
021604	1130	1:55	209	150	~~150~~

Note: For Passive Sampling, replace "Water Vol in Casing" and "Well Vols Purged" w/ Water Vol in Tubing/Flow Cell and Tubing/Flow Cell Vols Purged. Mark changes, record field data, below.

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment ... Dedicated: (Y) or N

Filter Device: (Y) or N (0.45 µ) or ____ µ (circle or fill in)

Purging Device: E — A- Submersible Pump, B-Peristaltic Pump, C-QED Bladder Pump, D-Bailer, E-Piston Pump, F-Dipper/Bottle

Sampling Device: E

X-Other:

Filter Type: A — A-In-line Disposable, B-Pressure, C-Vacuum, X-Other

Sample Tube Type: A — A-Teflon, B-Stainless Steel, C-PVC, D-Polypropylene, X-Other:

WELL DATA

Well Elevation (at TOC): 927.90 (ft/msl)

Depth to Water (DTW) (from TOC): 26.408 (ft)

Groundwater Elevation (site datum, from TOC): 693.84 (ft/msl)

Total Well Depth (from TOC): 285 (ft)

Stick Up (from ground elevation): ____ (ft)

Casing ID: 4.5 (in)

Casing Material: PVC

Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data, unless required by Site/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

STABILIZATION DATA (Optional)

Sample Time (2400 Hr Clock)	Rate/Unit	pH (std)	Conductance (SC/EC) (µmhos/cm @ 25 °C)	Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
11:40	2.0 1st	7.62 1st	.574 1st	21.4	0.8	3.8	—	—
11:54	5.0 2nd	7.51 2nd	.574 2nd	21.4	0.2	3.9	—	—
12:05	10.0 3rd	7.50 3rd	.572 3rd	22.1	0.2	3.7	—	—
12:15	3.0 4th	7.50 4th	.575 4th	21.6	0.2	4.0	—	—
12:21	5.0	7.51	.575	21.5	0.1	4.1	—	—
Suggested range for 3 consec. readings or note Permit/State requirements:		+/- 0.2	+/- 3%	--	--	+/- 10%	+/- 25 mV	Stabilize

Stabilization Data Fields are Optional *(i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State/Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form.*

FIELD DATA

SAMPLE DATE (MM DD YY)	pH (std)	CONDUCTANCE (umhos/cm @ 25°C)	TEMP. (°C)	TURBIDITY (ntu)	DO (mg/L-ppm)	eH/ORP (mV)	Other: Units gal
021604	7.51	.575	21.5	0.1	4.1	—	—

Final Field Readings are required *(i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site.*

Sample Appearance: clear Odor: None Color: clear Other:

Weather Conditions (required daily, or as conditions change): Direction/Speed: Outlook: Precipitation: Y or (N)

FIELD COMMENTS

Specific Comments (including purge/well volume calculations if required):

- Samples collected after all readings had stabilized @ 15gal
- Samples collected at 1225 HRS.

I certify that sampling procedures were in accordance with applicable EPA, State, and WM protocols (if more than one sampler, all should sign):

Date	Name	Signature	Company
2/16/04	Ernesto Martinez	[signature]	SCS-ES

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy

STL-8029WM R. 12/00

FIELD INFORMATION FORM

WASTE MANAGEMENT

Site Name: BRADLEY LF

Site No.:

Sample Point: 4915 E (Sample ID)

This Waste Management Field Information Form is Required
This form is to be completed, in addition to any State Forms. The Field Form is submitted along with the Chain of Custody Forms that accompany the sample containers (i.e. with the cooler that is returned to the laboratory).

Laboratory Use Only/Lab ID: D4B170125-003

PURGE INFO

PURGE DATE (MM DD YY)	PURGE TIME (2400 Hr Clock)	ELAPSED HRS (hrs:min)	WATER VOL IN CASING (Gallons)	ACTUAL VOL PURGED (Gallons)	WELL VOLs PURGED
021604	1310	100	543	250	

Note: For Passive Sampling, replace "Water Vol in Casing" and "Well Vols Purged" w/ Water Vol in Tubing/Flow Cell and Tubing/Flow Cell Vols Purged. Mark changes, record field data, below.

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment ... Dedicated: (Y) or N

Filter Device: (Y) or N (0.45 µ) or _____ µ (circle or fill in)

Purging Device: E — A- Submersible Pump, B-Peristaltic Pump, C-QED Bladder Pump, D-Bailer, E-Piston Pump, F-Dipper/Bottle

Sampling Device: E

X-Other:

Filter Type: A — A-In-line Disposable, B-Pressure, C-Vacuum, X-Other

Sample Tube Type: A — A-Teflon, B-Stainless Steel, C-PVC, D-Polypropylene, X-Other:

WELL DATA

Well Elevation (at TOC): 927.19 (ft/msl)

Depth to Water (DTW) (from TOC): 270.69 (ft)

Groundwater Elevation (site datum, from TOC): (ft/msl)

Total Well Depth (from TOC): 325 (ft)

Stick Up (from ground elevation): (ft)

Casing ID: 4.0 (in)

Casing Material: PVC

Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data, unless required by Site/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

STABILIZATION DATA (Optional)

Sample Time (2400 Hr Clock)	Rate/Unit	pH (std)	Conductance (SC/EC) (µmhos/cm @ 25 °C)	Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
1324	4.0 1st	7.29 1st	.518	24.6	1.3	4.5	—	—
1335	10.0 2nd	7.32 2nd	.520	23.1	1.1	4.8	—	—
1346	15.0 3rd	7.36 3rd	.521	22.5	0.8	4.7	—	—
1356	20.0 4th	7.38 4th	.518	22.8	1.0	4.5	—	—
1406	25.0	7.40	.519	22.8	0.8	4.7	—	—
Suggested range for 3 consec. readings or note Permit/State requirements:		+/- 0.2	+/- 3%	--	--	+/- 10%	+/- 25 mV	Stabilize

Stabilization Data Fields are Optional *(i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State/Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form.*

FIELD DATA

SAMPLE DATE (MM DD YY)	pH (std)	CONDUCTANCE (umhos/cm @ 25°C)	TEMP. (°C)	TURBIDITY (ntu)	DO (mg/L-ppm)	eH/ORP (mV)	Other: Units
021604	7.40	.519	22.8	0.8	4.7	—	—

Final Field Readings are required *(i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site.*

FIELD COMMENTS

Sample Appearance: clear Odor: None Color: clear Other:

Weather Conditions (required daily, or as conditions change): Direction/Speed: _____ Outlook: _____ Precipitation: Y or (N)

Specific Comments (including purge/well volume calculations if required):

* Samples collected after all readings had stabilized @ 2592L
- Samples collected @ 1410 HRS.

I certify that sampling procedures were in accordance with applicable EPA, State and WM protocols (if more than one sampler, all should sign):

Date	Name	Signature	Company
02/14/04	Ernesto Martinez	[signature]	SCE - TS

DISTRIBUTION: WHITE-ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy

SEVERN TRENT STL

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ANALYTICAL REPORT

Project No. Site 234

Bradley LF

Lot #: D4B180160

Groundwater

Bruce Matlock

Waste Mgmt. Disp. Serv. of CA
9081 Tujunga
Sun Valley, CA 91352

Cc: Tina Schmiesing

STL DENVER

Betsy Farnaus
Project Manager

March 10, 2004

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- **Chain-of-Custody**

Case Narrative

Enclosed is the report for three samples received at STL's Denver laboratory on February 18, 2004. The results included in this report have been reviewed for compliance with STL's Laboratory Quality Manual. The test results shown in this report meet all requirements of NELAC and any exceptions are noted below.

This report may include data with reporting limits (RLs) less than STL Denver's standard reporting limits. These data and reporting limits are being used specifically to meet the needs of this project. Note that, data are not customarily reported to these levels without qualifiers, because they are inherently less reliable and potentially less defensible than the latest industry standards require. Please contact STL Denver for more details.

Dilution factors and footnotes have been provided to assist in the interpretation of the results. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at concentrations above the linear calibration curve, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

STL utilizes USEPA approved methods in all analytical work. The samples presented in this report were analyzed for the parameters listed on the analytical methods summary page in accordance with the methods indicated. A summary of quality control parameters is provided below.

This report shall not be reproduced except in full, without the written approval of the laboratory.

Quality Control Summary for Lot D4B180160

Sample Receiving

- The cooler temperatures upon receipt at the Denver laboratory were 3.3°C and 4.3°C.
- One of the two 500 ml sulfuric acid preserved amber bottles was broken in transit for the samples 4915D and 4915M, however sufficient volume remained for Method 9020B, Method 410.4 and Method 415.1 analyses. The client was notified.
- All other sample bottles were received in acceptable condition.

Holding Times

- All holding times were within established control limits.

Method Blanks

- Specific Conductance Method 120.1 and Total Organic Halogens Method 9020B were detected in the Method Blanks below the project established reporting limits. No corrective action is taken for any values in Method Blanks that are below the requested reporting limits. The Method Blank data are included at the end of this report.
- All other Method Blanks were within established control limits.

Laboratory Control Samples

- All Laboratory Control Samples were within established control limits.

Matrix Spike and Matrix Spike Duplicate (MS/MSD)

- The method required MS/MSD could not be performed for Method 8270C and Method 9030B/9034 due to insufficient sample volume, however, LCS/LCSD pairs were analyzed to demonstrate method precision.

- The percent recoveries of the MS/MSD and/or the relative percent difference were not calculated for Total Manganese during Method 6010B analysis because the sample concentration was greater than four times the spike amount.

- The Matrix Spike and Matrix Spike Duplicate performed on an unrelated sample exhibited MS and MSD recoveries outside control limits for Total Silver Method 6010B. Because the corresponding Laboratory Control Sample and the Method Blank sample were within control limits, these anomalies may be due to matrix interference and no corrective action was taken.

- Sample 4915D was selected to fulfill the laboratory batch quality control requirements for Method 300.0A. Analysis of the laboratory generated MS/MSD for this sample provided MS and MSD recoveries of Sulfate above the upper control limit indicating the possible presence of a matrix interference.

- Due to the result concentration exceeding the calibration range the MS/MSD results for Sulfate Method 300.0A are estimated.

- All other MS and MSD samples were within established control limits.

EXECUTIVE SUMMARY - Detection Highlights

D4B180160

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
4915D 02/17/04 10:30 001				
Calcium - DISSOLVED	47000	200	ug/L	SW846 6010B
Magnesium - DISSOLVED	13000	200	ug/L	SW846 6010B
Sodium - DISSOLVED	24000	5000	ug/L	SW846 6010B
Potassium - DISSOLVED	3100 B	5000	ug/L	SW846 6010B
Barium	73 B	100	ug/L	SW846 6010B
Potassium	3400 B	5000	ug/L	SW846 6010B
Copper	2.5 B	10	ug/L	SW846 6010B
Boron	130	100	ug/L	SW846 6010B
Specific Conductance	490 J	2.0	umhos/cm	MCAWW 120.1
Total Dissolved Solids	280	10	mg/L	MCAWW 160.1
Chloride	15	3.0	mg/L	MCAWW 300.0A
Sulfate	47	5.0	mg/L	MCAWW 300.0A
Fluoride	0.54 B	1.0	mg/L	MCAWW 300.0A
Nitrate	1.2	0.50	mg/L	MCAWW 300.0A
Bicarbonate Alkalinity	170	5.0	mg/L	MCAWW 310.1
Total Alkalinity	170	5.0	mg/L	MCAWW 310.1
4915M 02/17/04 13:15 002				
Calcium - DISSOLVED	71000	200	ug/L	SW846 6010B
Magnesium - DISSOLVED	20000	200	ug/L	SW846 6010B
Sodium - DISSOLVED	31000	5000	ug/L	SW846 6010B
Potassium - DISSOLVED	3700 B	5000	ug/L	SW846 6010B
Barium	100	100	ug/L	SW846 6010B
Potassium	3900 B	5000	ug/L	SW846 6010B
Copper	1.5 B	10	ug/L	SW846 6010B
Boron	170	100	ug/L	SW846 6010B
bis(2-Ethylhexyl) phthalate	1.7 J	10	ug/L	SW846 8270C
Chloroform	0.43 J	5.0	ug/L	SW846 8260B
1,1-Dichloroethene	0.73 J	1.0	ug/L	SW846 8260B
1,1,1-Trichloroethane	0.41 J	5.0	ug/L	SW846 8260B
Trichloroethene	45	5.0	ug/L	SW846 8260B
Specific Conductance	780 J	2.0	umhos/cm	MCAWW 120.1
Total Dissolved Solids	410	10	mg/L	MCAWW 160.1
Chloride	55 Q	15	mg/L	MCAWW 300.0A
Sulfate	81 Q	25	mg/L	MCAWW 300.0A
Fluoride	0.46 B	1.0	mg/L	MCAWW 300.0A
Nitrate	2.1	0.50	mg/L	MCAWW 300.0A
Total Organic Halogens	33 J	30	ug/L	SW846 9020B

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

D4B180160

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
4915M 02/17/04 13:15 002				
Total Organic Halogens	33 J	30	ug/L	SW846 9020B
Bicarbonate Alkalinity	180	5.0	mg/L	MCAWW 310.1
Total Alkalinity	180	5.0	mg/L	MCAWW 310.1

PREPARATION METHODS SUMMARY

D4B180160

PREPARATION DESCRIPTION	PREPARATION METHOD	ANALYTICAL METHOD
Acid Digestion for Total Recoverable Metals	SW846 3005A	SW846 6010B
Bicarbonate Alkalinity	MCAWW 310.1	MCAWW 310.1
Carbonate Alkalinity	MCAWW 310.1	MCAWW 310.1
Chemical Oxygen Demand	MCAWW 410.4	MCAWW 410.4
Chloride	MCAWW 300.0A	MCAWW 300.0A
Continuous Liquid-Liquid Extraction	SW846 3520C	SW846 8270C
Distillation procedure	SW846 9012A	SW846 9012A
Filterable Residue (TDS)	MCAWW 160.1	MCAWW 160.1
Fluoride	MCAWW 300.0A	MCAWW 300.0A
Incubation	MCAWW 405.1	MCAWW 405.1
Mercury Sample Preparation	SW846 7470A	SW846 7470A
Nitrate	MCAWW 300.0A	MCAWW 300.0A
Potentiometric titration to preselected pH	MCAWW 310.1	MCAWW 310.1
Specific Conductance	MCAWW 120.1	MCAWW 120.1
Sulfate	MCAWW 300.0A	MCAWW 300.0A
Sulfides, Total	SW846 9030B/903	SW846 9030B/903
Total Organic Carbon	MCAWW 415.1	MCAWW 415.1
Total Organic Halogens	SW846 9020B	SW846 9020B
25 mL Purge-and-Trap	SW846 5030B/826	SW846 8260B

References:

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

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

ANALYTICAL METHODS SUMMARY

D4B180160

PARAMETER	ANALYTICAL METHOD
Alkalinity	MCAWW 310.1
Bicarbonate Alkalinity	MCAWW 310.1
Biochemical Oxygen Demand	MCAWW 405.1
Carbonate Alkalinity	MCAWW 310.1
Chemical Oxygen Demand	MCAWW 410.4
Chloride	MCAWW 300.0A
Cyanide, Total	SW846 9012A
Filterable Residue (TDS)	MCAWW 160.1
Fluoride	MCAWW 300.0A
Inductively Coupled Plasma (ICP) Metals	SW846 6010B
Mercury in Liquid Waste (Manual Cold-Vapor)	SW846 7470A
Nitrate as N	MCAWW 300.0A
Semivolatile Organic Compounds by GC/MS	SW846 8270C
Specific Conductance	MCAWW 120.1
Sulfate	MCAWW 300.0A
Sulfides, Total 9030B/9034	SW846 9030B/9034
Total Organic Carbon	MCAWW 415.1
Total Organic Halogens	SW846 9020B
Trace Inductively Coupled Plasma (ICP) Metals	SW846 6010B
Volatile Organics by GC/MS	SW846 8260B

References:

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

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

METHOD / ANALYST SUMMARY

D4B180160

ANALYTICAL METHOD	ANALYST	ANALYST ID
MCAWW 120.1	Ewa Kudla	001167
MCAWW 160.1	Jean Carrier	008763
MCAWW 300.0A	Andrita Scofield	004409
MCAWW 310.1	Ewa Kudla	001167
MCAWW 405.1	Jaclyn Dlhos	009462
MCAWW 410.4	Nicole Dean	008504
MCAWW 415.1	Maria Fayard	002596
SW846 6010B	Kristen Roda	5692
SW846 6010B	Lynn-Anne Trudell	6645
SW846 7470A	Kacey Ono	003371
SW846 8260B	Hauqing Zhou	005417
SW846 8270C	Joann Peterson	011674
SW846 8270C	Rwanda Todea	005716
SW846 9012A	Ewa Kudla	001167
SW846 9020B	Duane Allee	001470
SW846 9030B/9034	Dave Elkin	000901

References:

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

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

SAMPLE SUMMARY

D4B180160

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
F9QP7	001	4915D	02/17/04	10:30
F9QQE	002	4915M	02/17/04	13:15
F9QQF	003	TRIP BLANK	02/17/04	13:55

NOTE(S):

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

WASTE MANAGEMENT INC.

Client Sample ID: 4915D

GC/MS Volatiles

Lot-Sample #...: D4B180160-001 **Work Order #...:** F9QP71AT **Matrix.....:** WATER
Date Sampled...: 02/17/04 10:30 **Date Received..:** 02/18/04
Prep Date.....: 02/27/04 **Analysis Date..:** 02/27/04
Prep Batch #...: 4058470 **Analysis Time..:** 14:52
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	34	ug/L	2.5
Acrylonitrile	ND	100	ug/L	3.1
Benzene	ND	1.0	ug/L	0.17
Bromochloromethane	ND	10	ug/L	0.27
Bromodichloromethane	ND	5.0	ug/L	0.20
Bromoform	ND	5.0	ug/L	0.23
Bromomethane	ND	10	ug/L	0.22
Carbon disulfide	ND	5.0	ug/L	0.24
Carbon tetrachloride	ND	0.50	ug/L	0.20
Chlorobenzene	ND	5.0	ug/L	0.13
Dibromochloromethane	ND	5.0	ug/L	0.19
Chloroethane	ND	10	ug/L	0.18
Chloroform	ND	5.0	ug/L	0.17
Chloromethane	ND	10	ug/L	0.91
Dibromomethane	ND	10	ug/L	0.31
1,2-Dichlorobenzene	ND	10	ug/L	0.15
1,4-Dichlorobenzene	ND	10	ug/L	0.16
trans-1,4-Dichloro-2-butene	ND	10	ug/L	0.45
Dichlorodifluoromethane	ND	10	ug/L	0.22
1,1-Dichloroethane	ND	5.0	ug/L	0.22
1,2-Dichloroethane	ND	5.0	ug/L	0.26
1,1-Dichloroethene	ND	1.0	ug/L	0.23
cis-1,2-Dichloroethene	ND	10	ug/L	0.14
trans-1,2-Dichloroethene	ND	10	ug/L	0.15
1,2-Dichloropropane	ND	5.0	ug/L	0.18
cis-1,3-Dichloropropene	ND	5.0	ug/L	0.19
trans-1,3-Dichloropropene	ND	5.0	ug/L	0.20
Ethylbenzene	ND	5.0	ug/L	0.12
Trichlorofluoromethane	ND	10	ug/L	0.24
2-Hexanone	ND	5.0	ug/L	1.7
Iodomethane	ND	10	ug/L	0.19
Methylene chloride	ND	5.0	ug/L	0.21
4-Methyl-2-pentanone	ND	10	ug/L	0.98
Styrene	ND	5.0	ug/L	0.14
1,1,1,2-Tetrachloroethane	ND	5.0	ug/L	0.21
1,1,2,2-Tetrachloroethane	ND	5.0	ug/L	0.21
Tetrachloroethene	ND	5.0	ug/L	0.26

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WASTE MANAGEMENT INC.

Client Sample ID: 4915D

GC/MS Volatiles

Lot-Sample #...: D4B180160-001 **Work Order #...:** F9QP71AT **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Toluene	ND	1.0	ug/L	0.15
1,1,1-Trichloroethane	ND	5.0	ug/L	0.16
1,1,2-Trichloroethane	ND	5.0	ug/L	0.27
Trichloroethene	ND	5.0	ug/L	0.16
1,2,3-Trichloropropane	ND	10	ug/L	0.33
Vinyl acetate	ND	10	ug/L	0.56
Vinyl chloride	ND	1.0	ug/L	0.19
Xylenes (total)	ND	10	ug/L	0.41
1,2-Dibromo-3-chloropropane (DBCP)	ND	10	ug/L	0.47
1,2-Dibromoethane (EDB)	ND	1.0	ug/L	0.18
2-Butanone (MEK)	ND	10	ug/L	2.0

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	92	(76 - 116)
1,2-Dichloroethane-d4	86	(59 - 129)
4-Bromofluorobenzene	101	(74 - 114)
Toluene-d8	101	(76 - 116)

WASTE MANAGEMENT INC.

Client Sample ID: 4915M

GC/MS Volatiles

Lot-Sample #...: D4B180160-002 **Work Order #...:** F9QQE1A5 **Matrix.....:** WATER
Date Sampled...: 02/17/04 13:15 **Date Received..:** 02/18/04
Prep Date.....: 02/27/04 **Analysis Date..:** 02/27/04
Prep Batch #...: 4058470 **Analysis Time..:** 15:17
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	34	ug/L	2.5
Acrylonitrile	ND	100	ug/L	3.1
Benzene	ND	1.0	ug/L	0.17
Bromochloromethane	ND	10	ug/L	0.27
Bromodichloromethane	ND	5.0	ug/L	0.20
Bromoform	ND	5.0	ug/L	0.23
Bromomethane	ND	10	ug/L	0.22
Carbon disulfide	ND	5.0	ug/L	0.24
Carbon tetrachloride	ND	0.50	ug/L	0.20
Chlorobenzene	ND	5.0	ug/L	0.13
Dibromochloromethane	ND	5.0	ug/L	0.19
Chloroethane	ND	10	ug/L	0.18
Chloroform	**0.43 J**	**5.0**	**ug/L**	**0.17**
Chloromethane	ND	10	ug/L	0.91
Dibromomethane	ND	10	ug/L	0.31
1,2-Dichlorobenzene	ND	10	ug/L	0.15
1,4-Dichlorobenzene	ND	10	ug/L	0.16
trans-1,4-Dichloro-2-butene	ND	10	ug/L	0.45
Dichlorodifluoromethane	ND	10	ug/L	0.22
1,1-Dichloroethane	ND	5.0	ug/L	0.22
1,2-Dichloroethane	ND	5.0	ug/L	0.26
1,1-Dichloroethene	**0.73 J**	**1.0**	**ug/L**	**0.23**
cis-1,2-Dichloroethene	ND	10	ug/L	0.14
trans-1,2-Dichloroethene	ND	10	ug/L	0.15
1,2-Dichloropropane	ND	5.0	ug/L	0.18
cis-1,3-Dichloropropene	ND	5.0	ug/L	0.19
trans-1,3-Dichloropropene	ND	5.0	ug/L	0.20
Ethylbenzene	ND	5.0	ug/L	0.12
Trichlorofluoromethane	ND	10	ug/L	0.24
2-Hexanone	ND	5.0	ug/L	1.7
Iodomethane	ND	10	ug/L	0.19
Methylene chloride	ND	5.0	ug/L	0.21
4-Methyl-2-pentanone	ND	10	ug/L	0.98
Styrene	ND	5.0	ug/L	0.14
1,1,1,2-Tetrachloroethane	ND	5.0	ug/L	0.21
1,1,2,2-Tetrachloroethane	ND	5.0	ug/L	0.21
Tetrachloroethene	ND	5.0	ug/L	0.26

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WASTE MANAGEMENT INC.

Client Sample ID: 4915M

GC/MS Volatiles

Lot-Sample #...: D4B180160-002 **Work Order #...:** F9QQE1A5 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Toluene	ND	1.0	ug/L	0.15
1,1,1-Trichloroethane	**0.41 J**	**5.0**	**ug/L**	**0.16**
1,1,2-Trichloroethane	ND	5.0	ug/L	0.27
Trichloroethene	**45**	**5.0**	**ug/L**	**0.16**
1,2,3-Trichloropropane	ND	10	ug/L	0.33
Vinyl acetate	ND	10	ug/L	0.56
Vinyl chloride	ND	1.0	ug/L	0.19
Xylenes (total)	ND	10	ug/L	0.41
1,2-Dibromo-3-chloropropane (DBCP)	ND	10	ug/L	0.47
1,2-Dibromoethane (EDB)	ND	1.0	ug/L	0.18
2-Butanone (MEK)	ND	10	ug/L	2.0

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	96	(76 - 116)
1,2-Dichloroethane-d4	90	(59 - 129)
4-Bromofluorobenzene	102	(74 - 114)
Toluene-d8	96	(76 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

WASTE MANAGEMENT INC.

Client Sample ID: TRIP BLANK

GC/MS Volatiles

Lot-Sample #...: D4B180160-003 **Work Order #...:** F9QQF1AA **Matrix.....:** WATER
Date Sampled...: 02/17/04 13:55 **Date Received..:** 02/18/04
Prep Date.....: 02/27/04 **Analysis Date..:** 02/27/04
Prep Batch #...: 4058470 **Analysis Time..:** 15:42
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	34	ug/L	2.5
Acrylonitrile	ND	100	ug/L	3.1
Benzene	ND	1.0	ug/L	0.17
Bromochloromethane	ND	10	ug/L	0.27
Bromodichloromethane	ND	5.0	ug/L	0.20
Bromoform	ND	5.0	ug/L	0.23
Bromomethane	ND	10	ug/L	0.22
Carbon disulfide	ND	5.0	ug/L	0.24
Carbon tetrachloride	ND	0.50	ug/L	0.20
Chlorobenzene	ND	5.0	ug/L	0.13
Dibromochloromethane	ND	5.0	ug/L	0.19
Chloroethane	ND	10	ug/L	0.18
Chloroform	ND	5.0	ug/L	0.17
Chloromethane	ND	10	ug/L	0.91
Dibromomethane	ND	10	ug/L	0.31
1,2-Dichlorobenzene	ND	10	ug/L	0.15
1,4-Dichlorobenzene	ND	10	ug/L	0.16
trans-1,4-Dichloro-2-butene	ND	10	ug/L	0.45
Dichlorodifluoromethane	ND	10	ug/L	0.22
1,1-Dichloroethane	ND	5.0	ug/L	0.22
1,2-Dichloroethane	ND	5.0	ug/L	0.26
1,1-Dichloroethene	ND	1.0	ug/L	0.23
cis-1,2-Dichloroethene	ND	10	ug/L	0.14
trans-1,2-Dichloroethene	ND	10	ug/L	0.15
1,2-Dichloropropane	ND	5.0	ug/L	0.18
cis-1,3-Dichloropropene	ND	5.0	ug/L	0.19
trans-1,3-Dichloropropene	ND	5.0	ug/L	0.20
Ethylbenzene	ND	5.0	ug/L	0.12
Trichlorofluoromethane	ND	10	ug/L	0.24
2-Hexanone	ND	5.0	ug/L	1.7
Iodomethane	ND	10	ug/L	0.19
Methylene chloride	ND	5.0	ug/L	0.21
4-Methyl-2-pentanone	ND	10	ug/L	0.98
Styrene	ND	5.0	ug/L	0.14
1,1,1,2-Tetrachloroethane	ND	5.0	ug/L	0.21
1,1,2,2-Tetrachloroethane	ND	5.0	ug/L	0.21
Tetrachloroethene	ND	5.0	ug/L	0.26

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WASTE MANAGEMENT INC.

Client Sample ID: TRIP BLANK

GC/MS Volatiles

Lot-Sample #...: D4B180160-003 **Work Order #...:** F9QQF1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Toluene	ND	1.0	ug/L	0.15
1,1,1-Trichloroethane	ND	5.0	ug/L	0.16
1,1,2-Trichloroethane	ND	5.0	ug/L	0.27
Trichloroethene	ND	5.0	ug/L	0.16
1,2,3-Trichloropropane	ND	10	ug/L	0.33
Vinyl acetate	ND	10	ug/L	0.56
Vinyl chloride	ND	1.0	ug/L	0.19
Xylenes (total)	ND	10	ug/L	0.41
1,2-Dibromo-3-chloropropane (DBCP)	ND	10	ug/L	0.47
1,2-Dibromoethane (EDB)	ND	1.0	ug/L	0.18
2-Butanone (MEK)	ND	10	ug/L	2.0

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	101	(76 - 116)
1,2-Dichloroethane-d4	89	(59 - 129)
4-Bromofluorobenzene	106	(74 - 114)
Toluene-d8	98	(76 - 116)

WASTE MANAGEMENT INC.

Client Sample ID: 4915D

GC/MS Semivolatiles

Lot-Sample #...: D4B180160-001 **Work Order #...:** F9QP71A5 **Matrix.....:** WATER
Date Sampled...: 02/17/04 10:30 **Date Received..:** 02/18/04
Prep Date.....: 02/22/04 **Analysis Date..:** 02/25/04
Prep Batch #...: 4053094 **Analysis Time..:** 20:55
Dilution Factor: 1

Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acenaphthene	ND	10	ug/L	0.60
Acenaphthylene	ND	10	ug/L	0.60
Acetophenone	ND	10	ug/L	2.0
2-Acetylaminofluorene	ND	100	ug/L	2.0
4-Aminobiphenyl	ND	50	ug/L	2.0
Anthracene	ND	10	ug/L	3.0
Benzo(a)anthracene	ND	10	ug/L	0.80
Benzo(b)fluoranthene	ND	10	ug/L	0.90
Benzo(k)fluoranthene	ND	10	ug/L	2.0
Benzo(ghi)perylene	ND	10	ug/L	1.0
Benzo(a)pyrene	ND	10	ug/L	0.80
Benzyl alcohol	ND	10	ug/L	1.0
bis(2-Chloroethoxy) methane	ND	10	ug/L	0.90
bis(2-Chloroethyl)-ether	ND	10	ug/L	3.0
bis(2-Ethylhexyl) phthalate	ND	10	ug/L	0.90
4-Bromophenyl phenyl ether	ND	10	ug/L	0.70
Butyl benzyl phthalate	ND	10	ug/L	1.0
4-Chloroaniline	ND	10	ug/L	3.0
Chlorobenzilate	ND	10	ug/L	2.0
4-Chloro-3-methylphenol	ND	10	ug/L	0.80
2-Chloronaphthalene	ND	10	ug/L	0.70
2-Chlorophenol	ND	10	ug/L	0.80
4-Chlorophenyl phenyl ether	ND	10	ug/L	0.60
Chrysene	ND	10	ug/L	0.80
Diallate	ND	20	ug/L	2.0
Dibenz(a,h)anthracene	ND	10	ug/L	0.90
Dibenzofuran	ND	10	ug/L	0.60
Di-n-butyl phthalate	ND	10	ug/L	0.80
3,3'-Dichlorobenzidine	ND	50	ug/L	8.0
2,4-Dichlorophenol	ND	10	ug/L	0.70
2,6-Dichlorophenol	ND	10	ug/L	2.0
Diethyl phthalate	ND	10	ug/L	0.70
Dimethoate	ND	20	ug/L	2.0

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WASTE MANAGEMENT INC.

Client Sample ID: 4915D

GC/MS Semivolatiles

Lot-Sample #...: D4B180160-001 **Work Order #...:** F9QP71A5 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
4-Dimethylaminoazobenzene	ND	20	ug/L	2.0
7,12-Dimethylbenz(a)-anthracene	ND	20	ug/L	3.0
3,3'-Dimethylbenzidine	ND	20	ug/L	4.0
2,4-Dimethylphenol	ND	10	ug/L	4.0
Dimethyl phthalate	ND	10	ug/L	0.80
1,3-Dinitrobenzene	ND	10	ug/L	2.0
4,6-Dinitro-2-methylphenol	ND	50	ug/L	6.0
2,4-Dinitrophenol	ND	50	ug/L	6.0
2,4-Dinitrotoluene	ND	10	ug/L	1.0
2,6-Dinitrotoluene	ND	10	ug/L	0.80
Dinoseb	ND	10	ug/L	2.0
Di-n-octyl phthalate	ND	10	ug/L	1.0
Diphenylamine	ND	10	ug/L	2.0
Disulfoton	ND	50	ug/L	2.0
Ethyl methanesulfonate	ND	10	ug/L	2.0
Famphur	ND	200	ug/L	9.0
Fluoranthene	ND	10	ug/L	0.70
Fluorene	ND	10	ug/L	0.60
Hexachlorobenzene	ND	10	ug/L	0.80
Hexachlorobutadiene	ND	10	ug/L	1.0
Hexachlorocyclopenta-diene	ND	50	ug/L	5.0
Hexachloroethane	ND	10	ug/L	0.80
Hexachloropropene	ND	100	ug/L	1.0
Indeno(1,2,3-cd)pyrene	ND	10	ug/L	0.80
Isodrin	ND	10	ug/L	5.0
Isophorone	ND	10	ug/L	0.90
Isosafrole	ND	20	ug/L	3.0
Methapyrilene	ND	50	ug/L	20
3-Methylcholanthrene	ND	20	ug/L	1.0
Methyl methanesulfonate	ND	10	ug/L	2.0
2-Methylnaphthalene	ND	10	ug/L	0.80
Methyl parathion	ND	50	ug/L	2.0
2-Methylphenol	ND	10	ug/L	0.90
3-Methylphenol & 4-Methylphenol	ND	10	ug/L	0.80
Naphthalene	ND	10	ug/L	0.80
1,4-Naphthoquinone	ND	50	ug/L	2.0
1-Naphthylamine	ND	10	ug/L	1.0
2-Naphthylamine	ND	10	ug/L	1.0
2-Nitroaniline	ND	50	ug/L	0.90

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WASTE MANAGEMENT INC.

Client Sample ID: 4915D

GC/MS Semivolatiles

Lot-Sample #...: D4B180160-001 **Work Order #...:** F9QP71A5 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
3-Nitroaniline	ND	50	ug/L	0.90
4-Nitroaniline	ND	50	ug/L	6.0
Nitrobenzene	ND	10	ug/L	2.0
2-Nitrophenol	ND	10	ug/L	0.80
4-Nitrophenol	ND	50	ug/L	7.0
N-Nitrosodi-n-butylamine	ND	10	ug/L	2.0
N-Nitrosodiethylamine	ND	10	ug/L	2.0
N-Nitrosodimethylamine	ND	10	ug/L	0.80
N-Nitrosodiphenylamine	ND	10	ug/L	1.0
N-Nitrosodi-n-propyl-amine	ND	10	ug/L	0.70
N-Nitrosomethylethylamine	ND	10	ug/L	2.0
N-Nitrosopiperidine	ND	10	ug/L	2.0
N-Nitrosopyrrolidine	ND	10	ug/L	2.0
5-Nitro-o-toluidine	ND	20	ug/L	2.0
2,2'-oxybis(1-Chloropropane)	ND	10	ug/L	0.70
Parathion	ND	50	ug/L	2.0
Pentachlorobenzene	ND	10	ug/L	2.0
Pentachloronitrobenzene	ND	50	ug/L	2.0
Pentachlorophenol	ND	50	ug/L	5.0
Phenacetin	ND	20	ug/L	2.0
Phenanthrene	ND	10	ug/L	0.70
Phenol	ND	10	ug/L	0.90
4-Phenylenediamine	ND	100	ug/L	5.0
Phorate	ND	50	ug/L	2.0
Pronamide	ND	20	ug/L	2.0
Pyrene	ND	10	ug/L	0.80
Safrole	ND	50	ug/L	2.0
1,2,4,5-Tetrachloro-benzene	ND	10	ug/L	2.0
2,3,4,6-Tetrachlorophenol	ND	50	ug/L	2.0
Thionazin	ND	10	ug/L	2.0
o-Toluidine	ND	10	ug/L	2.0
1,2,4-Trichloro-benzene	ND	10	ug/L	0.90
2,4,5-Trichloro-phenol	ND	10	ug/L	1.0
2,4,6-Trichloro-phenol	ND	10	ug/L	0.80
O,O,O-Triethylphosphoro-thioate	ND	50	ug/L	2.0
1,3,5-Trinitrobenzene	ND	50	ug/L	2.0

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WASTE MANAGEMENT INC.

Client Sample ID: 4915D

GC/MS Semivolatiles

Lot-Sample #...: D4B180160-001 **Work Order #...:** F9QP71A5 **Matrix.....:** WATER

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	76	(32 - 116)
Phenol-d5	78	(40 - 111)
Nitrobenzene-d5	73	(53 - 107)
2-Fluorobiphenyl	63	(31 - 105)
2,4,6-Tribromophenol	72	(42 - 122)
Terphenyl-d14	69	(21 - 125)

WASTE MANAGEMENT INC.

Client Sample ID: 4915M

GC/MS Semivolatiles

Lot-Sample #...: D4B180160-002 **Work Order #...:** F9QQE1AG **Matrix.....:** WATER
Date Sampled...: 02/17/04 13:15 **Date Received..:** 02/18/04
Prep Date.....: 02/22/04 **Analysis Date..:** 02/26/04
Prep Batch #...: 4053094 **Analysis Time..:** 16:28
Dilution Factor: 1

Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acenaphthene	ND	10	ug/L	0.60
Acenaphthylene	ND	10	ug/L	0.60
Acetophenone	ND	10	ug/L	2.0
2-Acetylaminofluorene	ND	100	ug/L	2.0
4-Aminobiphenyl	ND	50	ug/L	2.0
Anthracene	ND	10	ug/L	3.0
Benzo(a)anthracene	ND	10	ug/L	0.80
Benzo(b)fluoranthene	ND	10	ug/L	0.90
Benzo(k)fluoranthene	ND	10	ug/L	2.0
Benzo(ghi)perylene	ND	10	ug/L	1.0
Benzo(a)pyrene	ND	10	ug/L	0.80
Benzyl alcohol	ND	10	ug/L	1.0
bis(2-Chloroethoxy) methane	ND	10	ug/L	0.90
bis(2-Chloroethyl)-ether	ND	10	ug/L	3.0
bis(2-Ethylhexyl) phthalate	**1.7 J**	**10**	**ug/L**	**0.90**
4-Bromophenyl phenyl ether	ND	10	ug/L	0.70
Butyl benzyl phthalate	ND	10	ug/L	1.0
4-Chloroaniline	ND	10	ug/L	3.0
Chlorobenzilate	ND	10	ug/L	2.0
4-Chloro-3-methylphenol	ND	10	ug/L	0.80
2-Chloronaphthalene	ND	10	ug/L	0.70
2-Chlorophenol	ND	10	ug/L	0.80
4-Chlorophenyl phenyl ether	ND	10	ug/L	0.60
Chrysene	ND	10	ug/L	0.80
Diallate	ND	20	ug/L	2.0
Dibenz(a,h)anthracene	ND	10	ug/L	0.90
Dibenzofuran	ND	10	ug/L	0.60
Di-n-butyl phthalate	ND	10	ug/L	0.80
3,3'-Dichlorobenzidine	ND	50	ug/L	8.0
2,4-Dichlorophenol	ND	10	ug/L	0.70
2,6-Dichlorophenol	ND	10	ug/L	2.0
Diethyl phthalate	ND	10	ug/L	0.70
Dimethoate	ND	20	ug/L	2.0

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WASTE MANAGEMENT INC.

Client Sample ID: 4915M

GC/MS Semivolatiles

Lot-Sample #...: D4B180160-002 **Work Order #...:** F9QQE1AG **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
4-Dimethylaminoazobenzene	ND	20	ug/L	2.0
7,12-Dimethylbenz(a)-anthracene	ND	20	ug/L	3.0
3,3'-Dimethylbenzidine	ND	20	ug/L	4.0
2,4-Dimethylphenol	ND	10	ug/L	4.0
Dimethyl phthalate	ND	10	ug/L	0.80
1,3-Dinitrobenzene	ND	10	ug/L	2.0
4,6-Dinitro-2-methylphenol	ND	50	ug/L	6.0
2,4-Dinitrophenol	ND	50	ug/L	6.0
2,4-Dinitrotoluene	ND	10	ug/L	1.0
2,6-Dinitrotoluene	ND	10	ug/L	0.80
Dinoseb	ND	10	ug/L	2.0
Di-n-octyl phthalate	ND	10	ug/L	1.0
Diphenylamine	ND	10	ug/L	2.0
Disulfoton	ND	50	ug/L	2.0
Ethyl methanesulfonate	ND	10	ug/L	2.0
Famphur	ND	200	ug/L	9.0
Fluoranthene	ND	10	ug/L	0.70
Fluorene	ND	10	ug/L	0.60
Hexachlorobenzene	ND	10	ug/L	0.80
Hexachlorobutadiene	ND	10	ug/L	1.0
Hexachlorocyclopentadiene	ND	50	ug/L	5.0
Hexachloroethane	ND	10	ug/L	0.80
Hexachloropropene	ND	100	ug/L	1.0
Indeno(1,2,3-cd)pyrene	ND	10	ug/L	0.80
Isodrin	ND	10	ug/L	5.0
Isophorone	ND	10	ug/L	0.90
Isosafrole	ND	20	ug/L	3.0
Methapyrilene	ND	50	ug/L	20
3-Methylcholanthrene	ND	20	ug/L	1.0
Methyl methanesulfonate	ND	10	ug/L	2.0
2-Methylnaphthalene	ND	10	ug/L	0.80
Methyl parathion	ND	50	ug/L	2.0
2-Methylphenol	ND	10	ug/L	0.90
3-Methylphenol & 4-Methylphenol	ND	10	ug/L	0.80
Naphthalene	ND	10	ug/L	0.80
1,4-Naphthoquinone	ND	50	ug/L	2.0
1-Naphthylamine	ND	10	ug/L	1.0
2-Naphthylamine	ND	10	ug/L	1.0
2-Nitroaniline	ND	50	ug/L	0.90

(Continued on next page)

WASTE MANAGEMENT INC.

Client Sample ID: 4915M

GC/MS Semivolatiles

Lot-Sample #...: D4B180160-002 **Work Order #...:** F9QQE1AG **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
3-Nitroaniline	ND	50	ug/L	0.90
4-Nitroaniline	ND	50	ug/L	6.0
Nitrobenzene	ND	10	ug/L	2.0
2-Nitrophenol	ND	10	ug/L	0.80
4-Nitrophenol	ND	50	ug/L	7.0
N-Nitrosodi-n-butylamine	ND	10	ug/L	2.0
N-Nitrosodiethylamine	ND	10	ug/L	2.0
N-Nitrosodimethylamine	ND	10	ug/L	0.80
N-Nitrosodiphenylamine	ND	10	ug/L	1.0
N-Nitrosodi-n-propyl-amine	ND	10	ug/L	0.70
N-Nitrosomethylethylamine	ND	10	ug/L	2.0
N-Nitrosopiperidine	ND	10	ug/L	2.0
N-Nitrosopyrrolidine	ND	10	ug/L	2.0
5-Nitro-o-toluidine	ND	20	ug/L	2.0
2,2'-oxybis(1-Chloropropane)	ND	10	ug/L	0.70
Parathion	ND	50	ug/L	2.0
Pentachlorobenzene	ND	10	ug/L	2.0
Pentachloronitrobenzene	ND	50	ug/L	2.0
Pentachlorophenol	ND	50	ug/L	5.0
Phenacetin	ND	20	ug/L	2.0
Phenanthrene	ND	10	ug/L	0.70
Phenol	ND	10	ug/L	0.90
4-Phenylenediamine	ND	100	ug/L	5.0
Phorate	ND	50	ug/L	2.0
Pronamide	ND	20	ug/L	2.0
Pyrene	ND	10	ug/L	0.80
Safrole	ND	50	ug/L	2.0
1,2,4,5-Tetrachloro-benzene	ND	10	ug/L	2.0
2,3,4,6-Tetrachlorophenol	ND	50	ug/L	2.0
Thionazin	ND	10	ug/L	2.0
o-Toluidine	ND	10	ug/L	2.0
1,2,4-Trichloro-benzene	ND	10	ug/L	0.90
2,4,5-Trichloro-phenol	ND	10	ug/L	1.0
2,4,6-Trichloro-phenol	ND	10	ug/L	0.80
O,O,O-Triethylphosphoro-thioate	ND	50	ug/L	2.0
1,3,5-Trinitrobenzene	ND	50	ug/L	2.0

(Continued on next page)

WASTE MANAGEMENT INC.

Client Sample ID: 4915M

GC/MS Semivolatiles

Lot-Sample #...: D4B180160-002 **Work Order #...:** F9QQE1AG **Matrix.....:** WATER

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	75	(32 - 116)
Phenol-d5	79	(40 - 111)
Nitrobenzene-d5	85	(53 - 107)
2-Fluorobiphenyl	57	(31 - 105)
2,4,6-Tribromophenol	68	(42 - 122)
Terphenyl-d14	72	(21 - 125)

NOTE(S):

J Estimated result. Result is less than RL.

WASTE MANAGEMENT INC.

Client Sample ID: 4915D

TOTAL Metals

Lot-Sample #...: D4B180160-001 **Matrix.....:** WATER
Date Sampled...: 02/17/04 10:30 **Date Received..:** 02/18/04

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 4049312						
Mercury	ND	0.20	ug/L	SW846 7470A	02/26/04	F9QP71CL
		Dilution Factor: 1		Analysis Time..: 19:33	MDL.....: 0.054	
Prep Batch #...: 4050624						
Manganese	ND	10	ug/L	SW846 6010B	02/24-02/29/04	F9QP71AH
		Dilution Factor: 1		Analysis Time..: 17:32	MDL.....: 0.54	
Barium	**73 B**	**100**	**ug/L**	**SW846 6010B**	**02/24-02/29/04**	**F9QP71AJ**
		Dilution Factor: 1		Analysis Time..: 17:32	MDL.....: 0.37	
Potassium	**3400 B**	**5000**	**ug/L**	**SW846 6010B**	**02/24-03/05/04**	**F9QP71AR**
		Dilution Factor: 1		Analysis Time..: 01:40	MDL.....: 460	
Silver	ND	10	ug/L	SW846 6010B	02/24-02/29/04	F9QP71A8
		Dilution Factor: 1		Analysis Time..: 17:32	MDL.....: 0.70	
Arsenic	ND	10	ug/L	SW846 6010B	02/24-02/29/04	F9QP71A9
		Dilution Factor: 1		Analysis Time..: 17:32	MDL.....: 4.9	
Cadmium	ND	5.0	ug/L	SW846 6010B	02/24-02/29/04	F9QP71CA
		Dilution Factor: 1		Analysis Time..: 17:32	MDL.....: 0.27	
Cobalt	ND	10	ug/L	SW846 6010B	02/24-02/29/04	F9QP71CC
		Dilution Factor: 1		Analysis Time..: 17:32	MDL.....: 0.67	
Chromium	ND	10	ug/L	SW846 6010B	02/24-02/29/04	F9QP71CD
		Dilution Factor: 1		Analysis Time..: 17:32	MDL.....: 2.1	
Copper	**2.5 B**	**10**	**ug/L**	**SW846 6010B**	**02/24-02/29/04**	**F9QP71CE**
		Dilution Factor: 1		Analysis Time..: 17:32	MDL.....: 0.97	
Nickel	ND	40	ug/L	SW846 6010B	02/24-02/29/04	F9QP71CF
		Dilution Factor: 1		Analysis Time..: 17:32	MDL.....: 4.2	
Lead	ND	3.0	ug/L	SW846 6010B	02/24-02/29/04	F9QP71CG
		Dilution Factor: 1		Analysis Time..: 17:32	MDL.....: 2.1	
Antimony	ND	10	ug/L	SW846 6010B	02/24-02/29/04	F9QP71CH
		Dilution Factor: 1		Analysis Time..: 17:32	MDL.....: 3.6	

(Continued on next page)

WASTE MANAGEMENT INC.

Client Sample ID: 4915D

TOTAL Metals

Lot-Sample #...: D4B180160-001 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Selenium	ND	5.0	ug/L	SW846 6010B	02/24-02/29/04	F9QP71CJ
		Dilution Factor: 1		Analysis Time..: 17:32	MDL.....: 4.6	
Zinc	ND	20	ug/L	SW846 6010B	02/24-02/29/04	F9QP71CK
		Dilution Factor: 1		Analysis Time..: 17:32	MDL.....: 7.1	
Beryllium	ND	5.0	ug/L	SW846 6010B	02/24-03/05/04	F9QP71CM
		Dilution Factor: 1		Analysis Time..: 01:40	MDL.....: 0.41	
Boron	**130**	**100**	**ug/L**	**SW846 6010B**	**02/24-03/05/04**	**F9QP71CN**
		Dilution Factor: 1		Analysis Time..: 01:40	MDL.....: 8.3	

NOTE(S):

B Estimated result. Result is less than RL.

WASTE MANAGEMENT INC.

Client Sample ID: 4915D

DISSOLVED Metals

Lot-Sample #...: D4B180160-001 **Matrix.....:** WATER
Date Sampled...: 02/17/04 10:30 **Date Received..:** 02/18/04

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 4051527						
Calcium	**47000**	**200**	**ug/L**	**SW846 6010B**	**02/24-03/05/04**	**F9QP71AU**
		Dilution Factor: 1		Analysis Time..: 03:33	MDL.....: 76	
Magnesium	**13000**	**200**	**ug/L**	**SW846 6010B**	**02/24-03/05/04**	**F9QP71AV**
		Dilution Factor: 1		Analysis Time..: 03:33	MDL.....: 27	
Sodium	**24000**	**5000**	**ug/L**	**SW846 6010B**	**02/24-03/05/04**	**F9QP71AW**
		Dilution Factor: 1		Analysis Time..: 03:33	MDL.....: 1100	
Potassium	**3100 B**	**5000**	**ug/L**	**SW846 6010B**	**02/24-03/05/04**	**F9QP71AX**
		Dilution Factor: 1		Analysis Time..: 03:33	MDL.....: 460	
Iron	ND	100	ug/L	SW846 6010B	02/24-03/05/04	F9QP71A2
		Dilution Factor: 1		Analysis Time..: 03:33	MDL.....: 19	

NOTE(S):

B Estimated result. Result is less than RL.

WASTE MANAGEMENT INC.

Client Sample ID: 4915M

TOTAL Metals

Lot-Sample #...: D4B180160-002 **Matrix.....:** WATER
Date Sampled...: 02/17/04 13:15 **Date Received..:** 02/18/04

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 4049312						
Mercury	ND	0.20	ug/L	SW846 7470A	02/26/04	F9QQE1CL
		Dilution Factor: 1		Analysis Time..: 19:35	MDL.....: 0.054	
Prep Batch #...: 4050624						
Manganese	ND	10	ug/L	SW846 6010B	02/24-02/29/04	F9QQE1AU
		Dilution Factor: 1		Analysis Time..: 17:36	MDL.....: 0.54	
Barium	**100**	**100**	**ug/L**	**SW846 6010B**	**02/24-02/29/04**	**F9QQE1AV**
		Dilution Factor: 1		Analysis Time..: 17:36	MDL.....: 0.37	
Potassium	**3900 B**	**5000**	**ug/L**	**SW846 6010B**	**02/24-03/05/04**	**F9QQE1A4**
		Dilution Factor: 1		Analysis Time..: 01:45	MDL.....: 460	
Silver	ND	10	ug/L	SW846 6010B	02/24-02/29/04	F9QQE1AK
		Dilution Factor: 1		Analysis Time..: 17:36	MDL.....: 0.70	
Arsenic	ND	10	ug/L	SW846 6010B	02/24-02/29/04	F9QQE1AL
		Dilution Factor: 1		Analysis Time..: 17:36	MDL.....: 4.9	
Cadmium	ND	5.0	ug/L	SW846 6010B	02/24-02/29/04	F9QQE1CA
		Dilution Factor: 1		Analysis Time..: 17:36	MDL.....: 0.27	
Cobalt	ND	10	ug/L	SW846 6010B	02/24-02/29/04	F9QQE1CC
		Dilution Factor: 1		Analysis Time..: 17:36	MDL.....: 0.67	
Chromium	ND	10	ug/L	SW846 6010B	02/24-02/29/04	F9QQE1CD
		Dilution Factor: 1		Analysis Time..: 17:36	MDL.....: 2.1	
Copper	**1.5 B**	**10**	**ug/L**	**SW846 6010B**	**02/24-02/29/04**	**F9QQE1CE**
		Dilution Factor: 1		Analysis Time..: 17:36	MDL.....: 0.97	
Nickel	ND	40	ug/L	SW846 6010B	02/24-02/29/04	F9QQE1CF
		Dilution Factor: 1		Analysis Time..: 17:36	MDL.....: 4.2	
Lead	ND	3.0	ug/L	SW846 6010B	02/24-02/29/04	F9QQE1CG
		Dilution Factor: 1		Analysis Time..: 17:36	MDL.....: 2.1	
Antimony	ND	10	ug/L	SW846 6010B	02/24-02/29/04	F9QQE1CH
		Dilution Factor: 1		Analysis Time..: 17:36	MDL.....: 3.6	

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WASTE MANAGEMENT INC.

Client Sample ID: 4915M

TOTAL Metals

Lot-Sample #...: D4B180160-002 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Selenium	ND	5.0	ug/L	SW846 6010B	02/24-02/29/04	F9QQE1CJ
		Dilution Factor: 1		Analysis Time..: 17:36	MDL.....: 4.6	
Zinc	ND	20	ug/L	SW846 6010B	02/24-02/29/04	F9QQE1CK
		Dilution Factor: 1		Analysis Time..: 17:36	MDL.....: 7.1	
Beryllium	ND	5.0	ug/L	SW846 6010B	02/24-03/05/04	F9QQE1CM
		Dilution Factor: 1		Analysis Time..: 01:45	MDL.....: 0.41	
Boron	**170**	**100**	**ug/L**	**SW846 6010B**	**02/24-03/05/04**	**F9QQE1CN**
		Dilution Factor: 1		Analysis Time..: 01:45	MDL.....: 8.3	

NOTE(S):

B Estimated result. Result is less than RL.

WASTE MANAGEMENT INC.

Client Sample ID: 4915M

DISSOLVED Metals

Lot-Sample #...: D4B180160-002 **Matrix.....:** WATER
Date Sampled...: 02/17/04 13:15 **Date Received..:** 02/18/04

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 4051527						
Calcium	**71000**	**200**	**ug/L**	**SW846 6010B**	**02/24-03/05/04**	**F9QQE1A6**
		Dilution Factor: 1		Analysis Time..: 03:38	MDL.....: 76	
Magnesium	**20000**	**200**	**ug/L**	**SW846 6010B**	**02/24-03/05/04**	**F9QQE1A7**
		Dilution Factor: 1		Analysis Time..: 03:38	MDL.....: 27	
Sodium	**31000**	**5000**	**ug/L**	**SW846 6010B**	**02/24-03/05/04**	**F9QQE1A8**
		Dilution Factor: 1		Analysis Time..: 03:38	MDL.....: 1100	
Potassium	**3700 B**	**5000**	**ug/L**	**SW846 6010B**	**02/24-03/05/04**	**F9QQE1A9**
		Dilution Factor: 1		Analysis Time..: 03:38	MDL.....: 460	
Iron	ND	100	ug/L	SW846 6010B	02/24-03/05/04	F9QQE1AD
		Dilution Factor: 1		Analysis Time..: 03:38	MDL.....: 19	

NOTE(S):

B Estimated result. Result is less than RL.

WASTE MANAGEMENT INC.

Client Sample ID: 4915D

General Chemistry

Lot-Sample #...: D4B180160-001 **Work Order #...:** F9QP7 **Matrix.....:** WATER
Date Sampled...: 02/17/04 10:30 **Date Received..:** 02/18/04

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Bicarbonate Alkalinity	**170**	**5.0**	**mg/L**	**MCAWW 310.1**	**02/20/04**	**4054250**
		Dilution Factor: 1		Analysis Time..: 19:00	MDL.....: 1.5	
Biochemical Oxygen Demand (BOD)	ND	2.0	mg/L	MCAWW 405.1	02/18/04	4049564
		Dilution Factor: 1		Analysis Time..: 10:00	MDL.....: 0.31	
Carbonate Alkalinity	ND	5.0	mg/L	MCAWW 310.1	02/20/04	4054251
		Dilution Factor: 1		Analysis Time..: 19:00	MDL.....: 1.5	
Chemical Oxygen Demand (COD)	ND	8.0	mg/L	MCAWW 410.4	02/26/04	4058267
		Dilution Factor: 1		Analysis Time..: 15:00	MDL.....: 2.9	
Chloride	**15**	**3.0**	**mg/L**	**MCAWW 300.0A**	**02/18/04**	**4050354**
		Dilution Factor: 1		Analysis Time..: 19:07	MDL.....: 0.20	
Cyanide, Total	ND	0.010	mg/L	SW846 9012A	02/24-02/25/04	4056554
		Dilution Factor: 1		Analysis Time..: 13:00	MDL.....: 0.0028	
Fluoride	**0.54 B**	**1.0**	**mg/L**	**MCAWW 300.0A**	**02/18/04**	**4050355**
		Dilution Factor: 1		Analysis Time..: 19:07	MDL.....: 0.10	
Nitrate	**1.2**	**0.50**	**mg/L**	**MCAWW 300.0A**	**02/18/04**	**4050356**
		Dilution Factor: 1		Analysis Time..: 19:07	MDL.....: 0.050	
Specific Conductance	**490 J**	**2.0**	**umhos/cm**	**MCAWW 120.1**	**02/24/04**	**4058240**
		Dilution Factor: 1		Analysis Time..: 16:00	MDL.....:	
Sulfate	**47**	**5.0**	**mg/L**	**MCAWW 300.0A**	**02/18/04**	**4050353**
		Dilution Factor: 1		Analysis Time..: 19:07	MDL.....: 0.20	
Total Alkalinity	**170**	**5.0**	**mg/L**	**MCAWW 310.1**	**02/20/04**	**4054247**
		Dilution Factor: 1		Analysis Time..: 19:00	MDL.....: 1.5	
Total Dissolved Solids	**280**	**10**	**mg/L**	**MCAWW 160.1**	**02/23/04**	**4054469**
		Dilution Factor: 1		Analysis Time..: 13:00	MDL.....: 3.0	
Total Organic Carbon	ND	1.0	mg/L	MCAWW 415.1	02/25/04	4057522
		Dilution Factor: 1		Analysis Time..: 22:00	MDL.....: 0.50	

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WASTE MANAGEMENT INC.

Client Sample ID: 4915D

General Chemistry

Lot-Sample #...: D4B180160-001 **Work Order #...:** F9QP7 **Matrix.....:** WATER

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon 2	ND	1.0	mg/L	MCAWW 415.1	02/25/04	4057522
		Dilution Factor: 1		Analysis Time..: 22:00	MDL.....: 0.50	
Total Organic Halogens	ND	30	ug/L	SW846 9020B	02/24-02/25/04	4058399
		Dilution Factor: 1		Analysis Time..: 12:00	MDL.....: 4.8	
Total Organic Halogens 2	ND	30	ug/L	SW846 9020B	02/24-02/25/04	4058399
		Dilution Factor: 1		Analysis Time..: 12:00	MDL.....: 4.8	
Total Sulfide	ND	4.0	mg/L	SW846 9030B/9034	02/24/04	4056197
		Dilution Factor: 1		Analysis Time..: 10:00	MDL.....: 0.26	

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

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

WASTE MANAGEMENT INC.

Client Sample ID: 4915M

General Chemistry

Lot-Sample #...: D4B180160-002 **Work Order #...:** F9QQE **Matrix.....:** WATER
Date Sampled...: 02/17/04 13:15 **Date Received..:** 02/18/04

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Bicarbonate Alkalinity	**180**	**5.0**	**mg/L**	**MCAWW 310.1**	**02/20/04**	**4054250**
		Dilution Factor: 1		Analysis Time..: 19:00	MDL.....: 1.5	
Biochemical Oxygen Demand (BOD)	ND	2.0	mg/L	MCAWW 405.1	02/18/04	4049564
		Dilution Factor: 1		Analysis Time..: 10:00	MDL.....: 0.31	
Carbonate Alkalinity	ND	5.0	mg/L	MCAWW 310.1	02/20/04	4054251
		Dilution Factor: 1		Analysis Time..: 19:00	MDL.....: 1.5	
Chemical Oxygen Demand (COD)	ND	8.0	mg/L	MCAWW 410.4	02/26/04	4058267
		Dilution Factor: 1		Analysis Time..: 15:00	MDL.....: 2.9	
Chloride	**55 Q**	**15**	**mg/L**	**MCAWW 300.0A**	**02/18/04**	**4050354**
		Dilution Factor: 5		Analysis Time..: 20:03	MDL.....: 1.0	
Cyanide, Total	ND	0.010	mg/L	SW846 9012A	02/24-02/25/04	4056554
		Dilution Factor: 1		Analysis Time..: 13:00	MDL.....: 0.0028	
Fluoride	**0.46 B**	**1.0**	**mg/L**	**MCAWW 300.0A**	**02/18/04**	**4050355**
		Dilution Factor: 1		Analysis Time..: 19:52	MDL.....: 0.10	
Nitrate	**2.1**	**0.50**	**mg/L**	**MCAWW 300.0A**	**02/18/04**	**4050356**
		Dilution Factor: 1		Analysis Time..: 19:52	MDL.....: 0.050	
Specific Conductance	**780 J**	**2.0**	**umhos/cm**	**MCAWW 120.1**	**02/24/04**	**4058240**
		Dilution Factor: 1		Analysis Time..: 16:00	MDL.....:	
Sulfate	**81 Q**	**25**	**mg/L**	**MCAWW 300.0A**	**02/18/04**	**4050353**
		Dilution Factor: 5		Analysis Time..: 20:03	MDL.....: 1.0	
Total Alkalinity	**180**	**5.0**	**mg/L**	**MCAWW 310.1**	**02/20/04**	**4054247**
		Dilution Factor: 1		Analysis Time..: 19:00	MDL.....: 1.5	
Total Dissolved Solids	**410**	**10**	**mg/L**	**MCAWW 160.1**	**02/23/04**	**4054469**
		Dilution Factor: 1		Analysis Time..: 13:00	MDL.....: 3.0	

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WASTE MANAGEMENT INC.

Client Sample ID: 4915M

General Chemistry

Lot-Sample #...: D4B180160-002 **Work Order #...:** F9QQE **Matrix.....:** WATER

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon	ND	1.0	mg/L	MCAWW 415.1	02/25/04	4057522
		Dilution Factor: 1		Analysis Time..: 00:00	MDL.....: 0.50	
Total Organic Carbon 2	ND	1.0	mg/L	MCAWW 415.1	02/25/04	4057522
		Dilution Factor: 1		Analysis Time..: 22:00	MDL.....: 0.50	
Total Organic Halogens	**33 J**	**30**	**ug/L**	**SW846 9020B**	**02/24-02/25/04**	**4058399**
		Dilution Factor: 1		Analysis Time..: 12:00	MDL.....: 4.8	
Total Organic Halogens 2	**33 J**	**30**	**ug/L**	**SW846 9020B**	**02/24-02/25/04**	**4058399**
		Dilution Factor: 1		Analysis Time..: 12:00	MDL.....: 4.8	
Total Sulfide	ND	4.0	mg/L	SW846 9030B/9034	02/24/04	4056197
		Dilution Factor: 1		Analysis Time..: 10:00	MDL.....: 0.26	

NOTE(S):

RL Reporting Limit

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

B Estimated result. Result is less than RL.

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

QC DATA ASSOCIATION SUMMARY

D4B180160

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	WATER	MCAWW 120.1		4058240	4058113
	WATER	MCAWW 160.1		4054469	4058105
	WATER	MCAWW 310.1		4054251	
	WATER	MCAWW 405.1		4049564	4049267
	WATER	MCAWW 300.0A		4050354	4055244
	WATER	MCAWW 300.0A		4050353	4055258
	WATER	MCAWW 300.0A		4050355	4055241
	WATER	MCAWW 300.0A		4050356	4055254
	WATER	MCAWW 415.1		4057522	4057250
	WATER	SW846 9020B		4058399	4058200
	WATER	SW846 7470A		4049312	4049148
	WATER	SW846 8260B		4058470	4061137
	WATER	SW846 8270C		4053094	
	WATER	SW846 6010B		4050624	4050313
	WATER	SW846 6010B		4051527	4051238
	WATER	SW846 9012A		4056554	4056294
	WATER	SW846 9030B/9034		4056197	
	WATER	MCAWW 310.1		4054250	
	WATER	MCAWW 310.1		4054247	4054118
	WATER	MCAWW 410.4		4058267	4058132
002	WATER	MCAWW 120.1		4058240	4058113
	WATER	MCAWW 160.1		4054469	4058105
	WATER	MCAWW 310.1		4054251	
	WATER	MCAWW 405.1		4049564	4049267
	WATER	MCAWW 300.0A		4050354	4055244
	WATER	MCAWW 300.0A		4050353	4055258
	WATER	MCAWW 300.0A		4050355	4055241
	WATER	MCAWW 300.0A		4050356	4055254
	WATER	MCAWW 415.1		4057522	4057250
	WATER	SW846 9020B		4058399	4058200
	WATER	SW846 7470A		4049312	4049148
	WATER	SW846 8260B		4058470	4061137
	WATER	SW846 8270C		4053094	
	WATER	SW846 6010B		4050624	4050313
	WATER	SW846 6010B		4051527	4051238
	WATER	SW846 9012A		4056554	4056294
	WATER	SW846 9030B/9034		4056197	
	WATER	MCAWW 310.1		4054250	
	WATER	MCAWW 310.1		4054247	4054118
	WATER	MCAWW 410.4		4058267	4058132

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QC DATA ASSOCIATION SUMMARY

D4B180160

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
003	WATER	SW846 8260B		4058470	4061137

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: D4B180160 **Work Order #...:** GAD131AA **Matrix.....:** WATER
MB Lot-Sample #: D4B270000-470

Prep Date.....: 02/27/04 **Analysis Time..:** 10:21
Analysis Date..: 02/27/04 **Prep Batch #...:** 4058470
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Acetone	ND	34	ug/L	SW846 8260B
Acrylonitrile	ND	100	ug/L	SW846 8260B
Benzene	ND	1.0	ug/L	SW846 8260B
Bromochloromethane	ND	10	ug/L	SW846 8260B
Bromodichloromethane	ND	5.0	ug/L	SW846 8260B
Bromoform	ND	5.0	ug/L	SW846 8260B
Bromomethane	ND	10	ug/L	SW846 8260B
Carbon disulfide	ND	5.0	ug/L	SW846 8260B
Carbon tetrachloride	ND	0.50	ug/L	SW846 8260B
Chlorobenzene	ND	5.0	ug/L	SW846 8260B
Dibromochloromethane	ND	5.0	ug/L	SW846 8260B
Chloroethane	ND	10	ug/L	SW846 8260B
Chloroform	ND	5.0	ug/L	SW846 8260B
Chloromethane	ND	10	ug/L	SW846 8260B
Dibromomethane	ND	10	ug/L	SW846 8260B
1,2-Dichlorobenzene	ND	10	ug/L	SW846 8260B
1,4-Dichlorobenzene	ND	10	ug/L	SW846 8260B
trans-1,4-Dichloro-2-butene	ND	10	ug/L	SW846 8260B
1,1-Dichloroethane	ND	5.0	ug/L	SW846 8260B
1,2-Dichloroethane	ND	5.0	ug/L	SW846 8260B
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260B
cis-1,2-Dichloroethene	ND	10	ug/L	SW846 8260B
trans-1,2-Dichloroethene	ND	10	ug/L	SW846 8260B
1,2-Dichloropropane	ND	5.0	ug/L	SW846 8260B
cis-1,3-Dichloropropene	ND	5.0	ug/L	SW846 8260B
trans-1,3-Dichloropropene	ND	5.0	ug/L	SW846 8260B
Ethylbenzene	ND	5.0	ug/L	SW846 8260B
Trichlorofluoromethane	ND	10	ug/L	SW846 8260B
2-Hexanone	ND	5.0	ug/L	SW846 8260B
Iodomethane	ND	10	ug/L	SW846 8260B
Methylene chloride	ND	5.0	ug/L	SW846 8260B
4-Methyl-2-pentanone	ND	10	ug/L	SW846 8260B
Styrene	ND	5.0	ug/L	SW846 8260B
1,1,1,2-Tetrachloroethane	ND	5.0	ug/L	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	5.0	ug/L	SW846 8260B
Tetrachloroethene	ND	5.0	ug/L	SW846 8260B
Toluene	ND	1.0	ug/L	SW846 8260B
1,1,1-Trichloroethane	ND	5.0	ug/L	SW846 8260B
1,1,2-Trichloroethane	ND	5.0	ug/L	SW846 8260B
Trichloroethene	ND	5.0	ug/L	SW846 8260B

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METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: D4B180160 **Work Order #...:** GAD131AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
1,2,3-Trichloropropane	ND	10	ug/L	SW846 8260B
Vinyl acetate	ND	10	ug/L	SW846 8260B
Vinyl chloride	ND	1.0	ug/L	SW846 8260B
Xylenes (total)	ND	10	ug/L	SW846 8260B
1,2-Dibromo-3-chloropropane (DBCP)	ND	10	ug/L	SW846 8260B
1,2-Dibromoethane (EDB)	ND	1.0	ug/L	SW846 8260B
2-Butanone (MEK)	ND	10	ug/L	SW846 8260B
Dichlorodifluoromethane	ND	10	ug/L	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	103	(76 - 116)
1,2-Dichloroethane-d4	95	(59 - 129)
4-Bromofluorobenzene	100	(74 - 114)
Toluene-d8	96	(76 - 116)

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: D4B180160 **Work Order #...:** GAD131AC **Matrix.....:** WATER
LCS Lot-Sample#: D4B270000-470
Prep Date.....: 02/27/04 **Analysis Date..:** 02/27/04
Prep Batch #...: 4058470 **Analysis Time..:** 09:57
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
1,1-Dichloroethene	**92**	**(67 - 125)**	**SW846 8260B**
Benzene	**95**	**(75 - 116)**	**SW846 8260B**
Chlorobenzene	**100**	**(77 - 117)**	**SW846 8260B**
Toluene	**105**	**(74 - 115)**	**SW846 8260B**
Trichloroethene	**98**	**(80 - 123)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	100	(76 - 116)
1,2-Dichloroethane-d4	95	(59 - 129)
4-Bromofluorobenzene	100	(74 - 114)
Toluene-d8	108	(76 - 116)

NOTE(S):

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: D4B180160 **Work Order #...:** GAD131AC **Matrix.....:** WATER
LCS Lot-Sample#: D4B270000-470
Prep Date.....: 02/27/04 **Analysis Date..:** 02/27/04
Prep Batch #...: 4058470 **Analysis Time..:** 09:57
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
1,1-Dichloroethene	**10.0**	**9.20**	**ug/L**	**92**	**SW846 8260B**
Benzene	**10.0**	**9.53**	**ug/L**	**95**	**SW846 8260B**
Chlorobenzene	**10.0**	**10.0**	**ug/L**	**100**	**SW846 8260B**
Toluene	**10.0**	**10.5**	**ug/L**	**105**	**SW846 8260B**
Trichloroethene	**10.0**	**9.79**	**ug/L**	**98**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	100	(76 - 116)
1,2-Dichloroethane-d4	95	(59 - 129)
4-Bromofluorobenzene	100	(74 - 114)
Toluene-d8	108	(76 - 116)

NOTE(S):

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

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: D4B180160 **Work Order #...:** F9N3L1A9-MS **Matrix.....:** WATER
MS Lot-Sample #: D4B170167-011 F9N3L1CA-MSD
Date Sampled...: 02/16/04 13:06 **Date Received..:** 02/17/04
Prep Date.....: 02/27/04 **Analysis Date..:** 02/27/04
Prep Batch #...: 4058470 **Analysis Time..:** 11:11
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	**104**	**(67 - 125)**			**SW846 8260B**
	99	**(67 - 125)**	**4.6**	**(0-20)**	**SW846 8260B**
Benzene	**105**	**(75 - 116)**			**SW846 8260B**
	95	**(75 - 116)**	**9.2**	**(0-20)**	**SW846 8260B**
Chlorobenzene	**104**	**(77 - 117)**			**SW846 8260B**
	106	**(77 - 117)**	**2.2**	**(0-20)**	**SW846 8260B**
Toluene	**102**	**(74 - 115)**			**SW846 8260B**
	100	**(74 - 115)**	**1.7**	**(0-20)**	**SW846 8260B**
Trichloroethene	**102**	**(80 - 123)**			**SW846 8260B**
	101	**(80 - 123)**	**0.52**	**(0-20)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	103	(76 - 116)
	101	(76 - 116)
1,2-Dichloroethane-d4	102	(59 - 129)
	102	(59 - 129)
4-Bromofluorobenzene	102	(74 - 114)
	105	(74 - 114)
Toluene-d8	96	(76 - 116)
	103	(76 - 116)

NOTE(S):

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

Bold print denotes control parameters

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: D4B180160 **Work Order #...:** F9N3L1A9-MS **Matrix.....:** WATER
MS Lot-Sample #: D4B170167-011 F9N3L1CA-MSD
Date Sampled...: 02/16/04 13:06 **Date Received..:** 02/17/04
Prep Date.....: 02/27/04 **Analysis Date..:** 02/27/04
Prep Batch #...: 4058470 **Analysis Time..:** 11:11
Dilution Factor: 1

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
1,1-Dichloroethene	**ND**	**10.0**	**10.4**	**ug/L**	**104**		**SW846 8260B**
	ND	**10.0**	**9.90**	**ug/L**	**99**	**4.6**	**SW846 8260B**
Benzene	**ND**	**10.0**	**10.5**	**ug/L**	**105**		**SW846 8260B**
	ND	**10.0**	**9.53**	**ug/L**	**95**	**9.2**	**SW846 8260B**
Chlorobenzene	**ND**	**10.0**	**10.4**	**ug/L**	**104**		**SW846 8260B**
	ND	**10.0**	**10.6**	**ug/L**	**106**	**2.2**	**SW846 8260B**
Toluene	**ND**	**10.0**	**10.2**	**ug/L**	**102**		**SW846 8260B**
	ND	**10.0**	**10.0**	**ug/L**	**100**	**1.7**	**SW846 8260B**
Trichloroethene	**ND**	**10.0**	**10.2**	**ug/L**	**102**		**SW846 8260B**
	ND	**10.0**	**10.1**	**ug/L**	**101**	**0.52**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	103	(76 - 116)
	101	(76 - 116)
1,2-Dichloroethane-d4	102	(59 - 129)
	102	(59 - 129)
4-Bromofluorobenzene	102	(74 - 114)
	105	(74 - 114)
Toluene-d8	96	(76 - 116)
	103	(76 - 116)

NOTE(S):

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

Bold print denotes control parameters

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: D4B180160 **Work Order #...:** F910F1AA **Matrix.....:** WATER
MB Lot-Sample #: D4B220000-094

Prep Date.....: 02/22/04 **Analysis Time..:** 12:07
Analysis Date..: 02/25/04 **Prep Batch #...:** 4053094
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Acenaphthene	ND	10	ug/L	SW846 8270C
Acenaphthylene	ND	10	ug/L	SW846 8270C
Acetophenone	ND	10	ug/L	SW846 8270C
2-Acetylaminofluorene	ND	100	ug/L	SW846 8270C
4-Aminobiphenyl	ND	50	ug/L	SW846 8270C
Anthracene	ND	10	ug/L	SW846 8270C
Benzo(a)anthracene	ND	10	ug/L	SW846 8270C
Benzo(b)fluoranthene	ND	10	ug/L	SW846 8270C
Benzo(k)fluoranthene	ND	10	ug/L	SW846 8270C
Benzo(ghi)perylene	ND	10	ug/L	SW846 8270C
Benzo(a)pyrene	ND	10	ug/L	SW846 8270C
Benzyl alcohol	ND	10	ug/L	SW846 8270C
bis(2-Chloroethoxy) methane	ND	10	ug/L	SW846 8270C
bis(2-Chloroethyl)-ether	ND	10	ug/L	SW846 8270C
bis(2-Ethylhexyl) phthalate	ND	10	ug/L	SW846 8270C
4-Bromophenyl phenyl ether	ND	10	ug/L	SW846 8270C
Butyl benzyl phthalate	ND	10	ug/L	SW846 8270C
4-Chloroaniline	ND	10	ug/L	SW846 8270C
Chlorobenzilate	ND	10	ug/L	SW846 8270C
4-Chloro-3-methylphenol	ND	10	ug/L	SW846 8270C
2-Chloronaphthalene	ND	10	ug/L	SW846 8270C
2-Chlorophenol	ND	10	ug/L	SW846 8270C
4-Chlorophenyl phenyl ether	ND	10	ug/L	SW846 8270C
Chrysene	ND	10	ug/L	SW846 8270C
Diallate	ND	20	ug/L	SW846 8270C
Dibenz(a,h)anthracene	ND	10	ug/L	SW846 8270C
Dibenzofuran	ND	10	ug/L	SW846 8270C
Di-n-butyl phthalate	ND	10	ug/L	SW846 8270C
3,3'-Dichlorobenzidine	ND	50	ug/L	SW846 8270C
2,4-Dichlorophenol	ND	10	ug/L	SW846 8270C
2,6-Dichlorophenol	ND	10	ug/L	SW846 8270C
Diethyl phthalate	ND	10	ug/L	SW846 8270C
Dimethoate	ND	20	ug/L	SW846 8270C
4-Dimethylaminoazobenzene	ND	20	ug/L	SW846 8270C
7,12-Dimethylbenz(a)-anthracene	ND	20	ug/L	SW846 8270C

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METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: D4B180160 **Work Order #...:** F910F1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
3,3'-Dimethylbenzidine	ND	20	ug/L	SW846 8270C
2,4-Dimethylphenol	ND	10	ug/L	SW846 8270C
Dimethyl phthalate	ND	10	ug/L	SW846 8270C
1,3-Dinitrobenzene	ND	10	ug/L	SW846 8270C
4,6-Dinitro-2-methylphenol	ND	50	ug/L	SW846 8270C
2,4-Dinitrophenol	ND	50	ug/L	SW846 8270C
2,4-Dinitrotoluene	ND	10	ug/L	SW846 8270C
2,6-Dinitrotoluene	ND	10	ug/L	SW846 8270C
Dinoseb	ND	10	ug/L	SW846 8270C
Di-n-octyl phthalate	ND	10	ug/L	SW846 8270C
Diphenylamine	ND	10	ug/L	SW846 8270C
Disulfoton	ND	50	ug/L	SW846 8270C
Ethyl methanesulfonate	ND	10	ug/L	SW846 8270C
Famphur	ND	200	ug/L	SW846 8270C
Fluoranthene	ND	10	ug/L	SW846 8270C
Fluorene	ND	10	ug/L	SW846 8270C
Hexachlorobenzene	ND	10	ug/L	SW846 8270C
Hexachlorobutadiene	ND	10	ug/L	SW846 8270C
Hexachlorocyclopentadiene	ND	50	ug/L	SW846 8270C
Hexachloroethane	ND	10	ug/L	SW846 8270C
Hexachloropropene	ND	100	ug/L	SW846 8270C
Indeno(1,2,3-cd)pyrene	ND	10	ug/L	SW846 8270C
Isodrin	ND	10	ug/L	SW846 8270C
Isophorone	ND	10	ug/L	SW846 8270C
Isosafrole	ND	20	ug/L	SW846 8270C
Methapyrilene	ND	50	ug/L	SW846 8270C
3-Methylcholanthrene	ND	20	ug/L	SW846 8270C
Methyl methanesulfonate	ND	10	ug/L	SW846 8270C
2-Methylnaphthalene	ND	10	ug/L	SW846 8270C
Methyl parathion	ND	50	ug/L	SW846 8270C
2-Methylphenol	ND	10	ug/L	SW846 8270C
3-Methylphenol & 4-Methylphenol	ND	10	ug/L	SW846 8270C
Naphthalene	ND	10	ug/L	SW846 8270C
1,4-Naphthoquinone	ND	50	ug/L	SW846 8270C
1-Naphthylamine	ND	10	ug/L	SW846 8270C
2-Naphthylamine	ND	10	ug/L	SW846 8270C
2-Nitroaniline	ND	50	ug/L	SW846 8270C
3-Nitroaniline	ND	50	ug/L	SW846 8270C
4-Nitroaniline	ND	50	ug/L	SW846 8270C
Nitrobenzene	ND	10	ug/L	SW846 8270C
2-Nitrophenol	ND	10	ug/L	SW846 8270C
4-Nitrophenol	ND	50	ug/L	SW846 8270C

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METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: D4B180160 **Work Order #...:** F910F1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
N-Nitrosodi-n-butylamine	ND	10	ug/L	SW846 8270C
N-Nitrosodiethylamine	ND	10	ug/L	SW846 8270C
N-Nitrosodimethylamine	ND	10	ug/L	SW846 8270C
N-Nitrosodiphenylamine	ND	10	ug/L	SW846 8270C
N-Nitrosodi-n-propyl-amine	ND	10	ug/L	SW846 8270C
N-Nitrosomethylethylamine	ND	10	ug/L	SW846 8270C
N-Nitrosopiperidine	ND	10	ug/L	SW846 8270C
N-Nitrosopyrrolidine	ND	10	ug/L	SW846 8270C
5-Nitro-o-toluidine	ND	20	ug/L	SW846 8270C
2,2'-oxybis(1-Chloropropa	ND	10	ug/L	SW846 8270C
Parathion	ND	50	ug/L	SW846 8270C
Pentachlorobenzene	ND	10	ug/L	SW846 8270C
Pentachloronitrobenzene	ND	50	ug/L	SW846 8270C
Pentachlorophenol	ND	50	ug/L	SW846 8270C
Phenacetin	ND	20	ug/L	SW846 8270C
Phenanthrene	ND	10	ug/L	SW846 8270C
Phenol	ND	10	ug/L	SW846 8270C
4-Phenylenediamine	ND	100	ug/L	SW846 8270C
Phorate	ND	50	ug/L	SW846 8270C
Pronamide	ND	20	ug/L	SW846 8270C
Pyrene	ND	10	ug/L	SW846 8270C
Safrole	ND	50	ug/L	SW846 8270C
1,2,4,5-Tetrachloro-benzene	ND	10	ug/L	SW846 8270C
2,3,4,6-Tetrachlorophenol	ND	50	ug/L	SW846 8270C
Thionazin	ND	10	ug/L	SW846 8270C
o-Toluidine	ND	10	ug/L	SW846 8270C
1,2,4-Trichloro-benzene	ND	10	ug/L	SW846 8270C
2,4,5-Trichloro-phenol	ND	10	ug/L	SW846 8270C
2,4,6-Trichloro-phenol	ND	10	ug/L	SW846 8270C
O,O,O-Triethylphosphoro-thioate	ND	50	ug/L	SW846 8270C
1,3,5-Trinitrobenzene	ND	50	ug/L	SW846 8270C

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	70	(32 - 116)
Phenol-d5	71	(40 - 111)
Nitrobenzene-d5	67	(53 - 107)
2-Fluorobiphenyl	47	(31 - 105)
2,4,6-Tribromophenol	70	(42 - 122)

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METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: D4B180160 **Work Order #...:** F910F1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Terphenyl-d14	68	(21 - 125)		

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: D4B180160 **Work Order #...:** F910F1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: D4B220000-094 F910F1AD-LCSD
Prep Date.....: 02/22/04 **Analysis Date..:** 02/25/04
Prep Batch #...: 4053094 **Analysis Time..:** 12:34
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Acenaphthene	**68**	**(55 - 97)**			**SW846 8270C**
	69	**(55 - 97)**	**2.4**	**(0-30)**	**SW846 8270C**
1,4-Dichlorobenzene	**44**	**(31 - 98)**			**SW846 8270C**
	50	**(31 - 98)**	**12**	**(0-40)**	**SW846 8270C**
4-Chloro-3-methylphenol	**74**	**(59 - 106)**			**SW846 8270C**
	76	**(59 - 106)**	**2.9**	**(0-40)**	**SW846 8270C**
2-Chlorophenol	**77**	**(59 - 105)**			**SW846 8270C**
	78	**(59 - 105)**	**2.2**	**(0-40)**	**SW846 8270C**
2,4-Dinitrotoluene	**71**	**(57 - 113)**			**SW846 8270C**
	75	**(57 - 113)**	**5.8**	**(0-40)**	**SW846 8270C**
4-Nitrophenol	**65**	**(43 - 118)**			**SW846 8270C**
	72	**(43 - 118)**	**11**	**(0-40)**	**SW846 8270C**
N-Nitrosodi-n-propyl-amine	**74**	**(51 - 99)**			**SW846 8270C**
	76	**(51 - 99)**	**2.7**	**(0-40)**	**SW846 8270C**
Pentachlorophenol	**72**	**(48 - 114)**			**SW846 8270C**
	78	**(48 - 114)**	**8.1**	**(0-40)**	**SW846 8270C**
Phenol	**76**	**(56 - 106)**			**SW846 8270C**
	78	**(56 - 106)**	**3.0**	**(0-40)**	**SW846 8270C**
Pyrene	**68**	**(51 - 103)**			**SW846 8270C**
	68	**(51 - 103)**	**0.88**	**(0-40)**	**SW846 8270C**
1,2,4-Trichloro-benzene	**49**	**(36 - 99)**			**SW846 8270C**
	53	**(36 - 99)**	**8.7**	**(0-40)**	**SW846 8270C**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	73	(54 - 105)
	75	(54 - 105)
Phenol-d5	75	(55 - 106)
	77	(55 - 106)
Nitrobenzene-d5	71	(58 - 108)
	74	(58 - 108)
2-Fluorobiphenyl	57	(53 - 97)
	58	(53 - 97)
2,4,6-Tribromophenol	72	(62 - 113)
	75	(62 - 113)
Terphenyl-d14	71	(55 - 109)

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: D4B180160 **Work Order #...:** F910F1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: D4B220000-094 F910F1AD-LCSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
	71	(55 - 109)

NOTE(S):

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: D4B180160 **Work Order #...:** F910F1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: D4B220000-094 F910F1AD-LCSD
Prep Date.....: 02/22/04 **Analysis Date..:** 02/25/04
Prep Batch #...: 4053094 **Analysis Time..:** 12:34
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Acenaphthene	**100**	**67.8**	**ug/L**	**68**		**SW846 8270C**
	100	**69.4**	**ug/L**	**69**	**2.4**	**SW846 8270C**
1,4-Dichlorobenzene	**100**	**43.8**	**ug/L**	**44**		**SW846 8270C**
	100	**49.6**	**ug/L**	**50**	**12**	**SW846 8270C**
4-Chloro-3-methylphenol	**150**	**111**	**ug/L**	**74**		**SW846 8270C**
	150	**115**	**ug/L**	**76**	**2.9**	**SW846 8270C**
2-Chlorophenol	**150**	**115**	**ug/L**	**77**		**SW846 8270C**
	150	**117**	**ug/L**	**78**	**2.2**	**SW846 8270C**
2,4-Dinitrotoluene	**100**	**70.7**	**ug/L**	**71**		**SW846 8270C**
	100	**74.9**	**ug/L**	**75**	**5.8**	**SW846 8270C**
4-Nitrophenol	**150**	**97.0**	**ug/L**	**65**		**SW846 8270C**
	150	**109**	**ug/L**	**72**	**11**	**SW846 8270C**
N-Nitrosodi-n-propyl-amine	**100**	**73.9**	**ug/L**	**74**		**SW846 8270C**
	100	**75.9**	**ug/L**	**76**	**2.7**	**SW846 8270C**
Pentachlorophenol	**150**	**108**	**ug/L**	**72**		**SW846 8270C**
	150	**117**	**ug/L**	**78**	**8.1**	**SW846 8270C**
Phenol	**150**	**114**	**ug/L**	**76**		**SW846 8270C**
	150	**117**	**ug/L**	**78**	**3.0**	**SW846 8270C**
Pyrene	**100**	**68.4**	**ug/L**	**68**		**SW846 8270C**
	100	**67.8**	**ug/L**	**68**	**0.88**	**SW846 8270C**
1,2,4-Trichloro-benzene	**100**	**48.7**	**ug/L**	**49**		**SW846 8270C**
	100	**53.2**	**ug/L**	**53**	**8.7**	**SW846 8270C**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	73	(54 - 105)
	75	(54 - 105)
Phenol-d5	75	(55 - 106)
	77	(55 - 106)
Nitrobenzene-d5	71	(58 - 108)
	74	(58 - 108)
2-Fluorobiphenyl	57	(53 - 97)
	58	(53 - 97)
2,4,6-Tribromophenol	72	(62 - 113)
	75	(62 - 113)
Terphenyl-d14	71	(55 - 109)

(Continued on next page)

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: D4B180160 **Work Order #...:** F910F1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: D4B220000-094 F910F1AD-LCSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
	71	(55 - 109)

NOTE(S):

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

Bold print denotes control parameters

METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: D4B180160 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: D4B180000-312 **Prep Batch #...:** 4049312						
Mercury	ND	0.20	ug/L	SW846 7470A	02/26/04	F9Q2X1AA
		Dilution Factor: 1				
		Analysis Time..: 19:08				
MB Lot-Sample #: D4B190000-624 **Prep Batch #...:** 4050624						
Manganese	ND	10	ug/L	SW846 6010B	02/24-02/29/04	F9WCK1CX
		Dilution Factor: 1				
		Analysis Time..: 17:17				
Barium	ND	100	ug/L	SW846 6010B	02/24-02/29/04	F9WCK1AT
		Dilution Factor: 1				
		Analysis Time..: 17:17				
Potassium	ND	5000	ug/L	SW846 6010B	02/24-03/05/04	F9WCK1AG
		Dilution Factor: 1				
		Analysis Time..: 01:27				
Silver	ND	10	ug/L	SW846 6010B	02/24-02/29/04	F9WCK1DF
		Dilution Factor: 1				
		Analysis Time..: 17:17				
Arsenic	ND	10	ug/L	SW846 6010B	02/24-02/29/04	F9WCK1AR
		Dilution Factor: 1				
		Analysis Time..: 17:17				
Cadmium	ND	5.0	ug/L	SW846 6010B	02/24-02/29/04	F9WCK1AU
		Dilution Factor: 1				
		Analysis Time..: 17:17				
Cobalt	ND	10	ug/L	SW846 6010B	02/24-02/29/04	F9WCK1DG
		Dilution Factor: 1				
		Analysis Time..: 17:17				
Chromium	ND	10	ug/L	SW846 6010B	02/24-02/29/04	F9WCK1AE
		Dilution Factor: 1				
		Analysis Time..: 17:17				
Copper	ND	10	ug/L	SW846 6010B	02/24-02/29/04	F9WCK1AF
		Dilution Factor: 1				
		Analysis Time..: 17:17				

(Continued on next page)

METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: D4B180160 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Nickel	ND	40	ug/L	SW846 6010B	02/24-02/29/04	F9WCK1AK
		Dilution Factor: 1				
		Analysis Time..: 17:17				
Lead	ND	3.0	ug/L	SW846 6010B	02/24-02/29/04	F9WCK1AL
		Dilution Factor: 1				
		Analysis Time..: 17:17				
Antimony	ND	10	ug/L	SW846 6010B	02/24-02/29/04	F9WCK1AV
		Dilution Factor: 1				
		Analysis Time..: 17:17				
Selenium	ND	5.0	ug/L	SW846 6010B	02/24-02/29/04	F9WCK1AM
		Dilution Factor: 1				
		Analysis Time..: 17:17				
Zinc	ND	20	ug/L	SW846 6010B	02/24-02/29/04	F9WCK1AP
		Dilution Factor: 1				
		Analysis Time..: 17:17				
Beryllium	ND	5.0	ug/L	SW846 6010B	02/24-03/05/04	F9WCK1AA
		Dilution Factor: 1				
		Analysis Time..: 01:27				
Boron	ND	100	ug/L	SW846 6010B	02/24-03/05/04	F9WCK1AX
		Dilution Factor: 1				
		Analysis Time..: 01:27				

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: D4B180160 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: D4B180000-312 **Prep Batch #...:** 4049312					
Mercury	98	(84 - 114)	SW846 7470A	02/26/04	F9Q2X1AC
		Dilution Factor: 1	Analysis Time..: 19:10		
LCS Lot-Sample#: D4B190000-624 **Prep Batch #...:** 4050624					
Manganese	101	(90 - 110)	SW846 6010B	02/24-02/29/04	F9WCK1DE
		Dilution Factor: 1	Analysis Time..: 17:22		
Barium	102	(93 - 113)	SW846 6010B	02/24-02/29/04	F9WCK1CK
		Dilution Factor: 1	Analysis Time..: 17:22		
Potassium	95	(86 - 111)	SW846 6010B	02/24-03/05/04	F9WCK1A8
		Dilution Factor: 1	Analysis Time..: 01:32		
Silver	104	(85 - 114)	SW846 6010B	02/24-02/29/04	F9WCK1DR
		Dilution Factor: 1	Analysis Time..: 17:22		
Arsenic	97	(89 - 109)	SW846 6010B	02/24-02/29/04	F9WCK1CJ
		Dilution Factor: 1	Analysis Time..: 17:22		
Cadmium	98	(89 - 110)	SW846 6010B	02/24-02/29/04	F9WCK1CL
		Dilution Factor: 1	Analysis Time..: 17:22		
Cobalt	100	(86 - 107)	SW846 6010B	02/24-02/29/04	F9WCK1DT
		Dilution Factor: 1	Analysis Time..: 17:22		
Chromium	102	(89 - 112)	SW846 6010B	02/24-02/29/04	F9WCK1A6
		Dilution Factor: 1	Analysis Time..: 17:22		
Copper	99	(86 - 110)	SW846 6010B	02/24-02/29/04	F9WCK1A7
		Dilution Factor: 1	Analysis Time..: 17:22		
Nickel	98	(90 - 110)	SW846 6010B	02/24-02/29/04	F9WCK1CC
		Dilution Factor: 1	Analysis Time..: 17:22		
Lead	100	(91 - 111)	SW846 6010B	02/24-02/29/04	F9WCK1CD
		Dilution Factor: 1	Analysis Time..: 17:22		
Antimony	98	(88 - 108)	SW846 6010B	02/24-02/29/04	F9WCK1CM
		Dilution Factor: 1	Analysis Time..: 17:22		

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: D4B180160 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Selenium	99	(88 - 110)	SW846 6010B	02/24-02/29/04	F9WCK1CE
		Dilution Factor: 1	Analysis Time..: 17:22		
Zinc	98	(85 - 110)	SW846 6010B	02/24-02/29/04	F9WCK1CG
		Dilution Factor: 1	Analysis Time..: 17:22		
Beryllium	96	(88 - 112)	SW846 6010B	02/24-03/05/04	F9WCK1A3
		Dilution Factor: 1	Analysis Time..: 01:32		
Boron	97	(89 - 110)	SW846 6010B	02/24-03/05/04	F9WCK1CP
		Dilution Factor: 1	Analysis Time..: 01:32		

NOTE(S):

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

LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: D4B180160 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: D4B180000-312 **Prep Batch #...:** 4049312							
Mercury	5.00	4.92	ug/L	98	SW846 7470A	02/26/04	F9Q2X1AC
			Dilution Factor: 1		Analysis Time..: 19:10		
LCS Lot-Sample#: D4B190000-624 **Prep Batch #...:** 4050624							
Manganese	500	507	ug/L	101	SW846 6010B	02/24-02/29/04	F9WCK1DE
			Dilution Factor: 1		Analysis Time..: 17:22		
Barium	2000	2050	ug/L	102	SW846 6010B	02/24-02/29/04	F9WCK1CK
			Dilution Factor: 1		Analysis Time..: 17:22		
Potassium	50000	47300	ug/L	95	SW846 6010B	02/24-03/05/04	F9WCK1A8
			Dilution Factor: 1		Analysis Time..: 01:32		
Silver	50.0	51.9	ug/L	104	SW846 6010B	02/24-02/29/04	F9WCK1DR
			Dilution Factor: 1		Analysis Time..: 17:22		
Arsenic	2000	1950	ug/L	97	SW846 6010B	02/24-02/29/04	F9WCK1CJ
			Dilution Factor: 1		Analysis Time..: 17:22		
Cadmium	50.0	48.9	ug/L	98	SW846 6010B	02/24-02/29/04	F9WCK1CL
			Dilution Factor: 1		Analysis Time..: 17:22		
Cobalt	500	501	ug/L	100	SW846 6010B	02/24-02/29/04	F9WCK1DT
			Dilution Factor: 1		Analysis Time..: 17:22		
Chromium	200	204	ug/L	102	SW846 6010B	02/24-02/29/04	F9WCK1A6
			Dilution Factor: 1		Analysis Time..: 17:22		
Copper	250	246	ug/L	99	SW846 6010B	02/24-02/29/04	F9WCK1A7
			Dilution Factor: 1		Analysis Time..: 17:22		
Nickel	500	492	ug/L	98	SW846 6010B	02/24-02/29/04	F9WCK1CC
			Dilution Factor: 1		Analysis Time..: 17:22		
Lead	500	500	ug/L	100	SW846 6010B	02/24-02/29/04	F9WCK1CD
			Dilution Factor: 1		Analysis Time..: 17:22		
Antimony	500	490	ug/L	98	SW846 6010B	02/24-02/29/04	F9WCK1CM
			Dilution Factor: 1		Analysis Time..: 17:22		

(Continued on next page)

LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: D4B180160 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Selenium	2000	1970	ug/L	99	SW846 6010B	02/24-02/29/04	F9WCK1CE
			Dilution Factor: 1		Analysis Time..: 17:22		
Zinc	500	488	ug/L	98	SW846 6010B	02/24-02/29/04	F9WCK1CG
			Dilution Factor: 1		Analysis Time..: 17:22		
Beryllium	50.0	48.0	ug/L	96	SW846 6010B	02/24-03/05/04	F9WCK1A3
			Dilution Factor: 1		Analysis Time..: 01:32		
Boron	1000	968	ug/L	97	SW846 6010B	02/24-03/05/04	F9WCK1CP
			Dilution Factor: 1		Analysis Time..: 01:32		

NOTE(S):

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

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: D4B180160 **Matrix.....:** WATER
Date Sampled...: 02/16/04 12:42 **Date Received..:** 02/17/04

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D4B170176-001 **Prep Batch #...:** 4049312							
Mercury	98	(84 - 114)			SW846 7470A	02/26/04	F9N321CE
	100	(84 - 114)	1.4	(0-10)	SW846 7470A	02/26/04	F9N321CF

Dilution Factor: 1
Analysis Time..: 19:39

NOTE(S):

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

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: D4B180160 **Matrix.....:** WATER
Date Sampled...: 02/16/04 12:42 **Date Received..:** 02/17/04

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D4B170176-001 **Prep Batch #...:** 4049312									
Mercury									
	ND	5.00	4.92	ug/L	98		SW846 7470A	02/26/04	F9N321CE
	ND	5.00	4.99	ug/L	100	1.4	SW846 7470A	02/26/04	F9N321CF

Dilution Factor: 1
Analysis Time..: 19:39

NOTE(S):

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

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: D4B180160 **Matrix.....:** WATER
Date Sampled...: 02/18/04 15:00 **Date Received..:** 02/18/04

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D4B180292-001 **Prep Batch #...:** 4050624							
Manganese	NC,MSB	(79 - 121)			SW846 6010B	02/24-02/29/04	F9RR11EF
	NC,MSB	(79 - 121)		(0-25)	SW846 6010B	02/24-02/29/04	F9RR11EG
		Dilution Factor: 1					
		Analysis Time..: 17:51					
Barium	106	(85 - 120)			SW846 6010B	02/24-02/29/04	F9RR11DK
	103	(85 - 120)	2.6	(0-25)	SW846 6010B	02/24-02/29/04	F9RR11DL
		Dilution Factor: 1					
		Analysis Time..: 17:51					
Potassium	99	(76 - 132)			SW846 6010B	02/24-03/05/04	F9RR11CW
	96	(76 - 132)	2.6	(0-25)	SW846 6010B	02/24-03/05/04	F9RR11CX
		Dilution Factor: 1					
		Analysis Time..: 01:58					
Silver	46 N	(75 - 141)			SW846 6010B	02/24-02/29/04	F9RR11EJ
	49 N	(75 - 141)	4.7	(0-25)	SW846 6010B	02/24-02/29/04	F9RR11EK
		Dilution Factor: 1					
		Analysis Time..: 17:51					
Arsenic	105	(84 - 124)			SW846 6010B	02/24-02/29/04	F9RR11DH
	102	(84 - 124)	3.0	(0-25)	SW846 6010B	02/24-02/29/04	F9RR11DJ
		Dilution Factor: 1					
		Analysis Time..: 17:51					
Cadmium	99	(82 - 119)			SW846 6010B	02/24-02/29/04	F9RR11DM
	96	(82 - 119)	3.1	(0-25)	SW846 6010B	02/24-02/29/04	F9RR11DN
		Dilution Factor: 1					
		Analysis Time..: 17:51					
Cobalt	105	(82 - 119)			SW846 6010B	02/24-02/29/04	F9RR11EM
	101	(82 - 119)	3.3	(0-25)	SW846 6010B	02/24-02/29/04	F9RR11EN
		Dilution Factor: 1					
		Analysis Time..: 17:51					
Chromium	105	(73 - 135)			SW846 6010B	02/24-02/29/04	F9RR11CR
	101	(73 - 135)	3.3	(0-25)	SW846 6010B	02/24-02/29/04	F9RR11CT
		Dilution Factor: 1					
		Analysis Time..: 17:51					

(Continued on next page)

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: D4B180160 **Matrix.....:** WATER
Date Sampled...: 02/18/04 15:00 **Date Received..:** 02/18/04

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Copper	106	(82 - 129)			SW846 6010B	02/24-02/29/04	F9RR11CU
	103	(82 - 129)	2.5	(0-25)	SW846 6010B	02/24-02/29/04	F9RR11CV
		Dilution Factor: 1					
		Analysis Time..: 17:51					
Nickel	101	(84 - 120)			SW846 6010B	02/24-02/29/04	F9RR11C4
	98	(84 - 120)	2.8	(0-25)	SW846 6010B	02/24-02/29/04	F9RR11C5
		Dilution Factor: 1					
		Analysis Time..: 17:51					
Lead	106	(89 - 121)			SW846 6010B	02/24-02/29/04	F9RR11C6
	103	(89 - 121)	3.3	(0-25)	SW846 6010B	02/24-02/29/04	F9RR11C7
		Dilution Factor: 1					
		Analysis Time..: 17:51					
Antimony	104	(81 - 124)			SW846 6010B	02/24-02/29/04	F9RR11DP
	101	(81 - 124)	2.7	(0-25)	SW846 6010B	02/24-02/29/04	F9RR11DQ
		Dilution Factor: 1					
		Analysis Time..: 17:51					
Selenium	107	(71 - 140)			SW846 6010B	02/24-02/29/04	F9RR11C8
	105	(71 - 140)	2.5	(0-25)	SW846 6010B	02/24-02/29/04	F9RR11C9
		Dilution Factor: 1					
		Analysis Time..: 17:51					
Zinc	102	(60 - 137)			SW846 6010B	02/24-02/29/04	F9RR11DD
	99	(60 - 137)	3.1	(0-25)	SW846 6010B	02/24-02/29/04	F9RR11DE
		Dilution Factor: 1					
		Analysis Time..: 17:51					
Beryllium	96	(79 - 121)			SW846 6010B	02/24-03/05/04	F9RR11CK
	93	(79 - 121)	3.4	(0-25)	SW846 6010B	02/24-03/05/04	F9RR11CL
		Dilution Factor: 1					
		Analysis Time..: 01:58					
Boron	96	(87 - 113)			SW846 6010B	02/24-03/05/04	F9RR11DU
	93	(87 - 113)	3.1	(0-25)	SW846 6010B	02/24-03/05/04	F9RR11DV
		Dilution Factor: 1					
		Analysis Time..: 01:58					

NOTE(S):

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

NC The recovery and/or RPD were not calculated.

MSB The recovery and RPD were not calculated because the sample amount was greater than four times the spike amount.

N Spiked analyte recovery is outside stated control limits.

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: D4B180160 **Matrix.....:** WATER
Date Sampled...: 02/18/04 15:00 **Date Received..:** 02/18/04

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D4B180292-001 **Prep Batch #...:** 4050624									
Manganese									
	2700	500	3210	ug/L			SW846 6010B	02/24-02/29/04	F9RR11EF
			Qualifiers: NC,MSB						
	2700	500	3160	ug/L			SW846 6010B	02/24-02/29/04	F9RR11EG
			Qualifiers: NC,MSB						
			Dilution Factor: 1						
			Analysis Time..: 17:51						
Barium									
	300	2000	2430	ug/L	106		SW846 6010B	02/24-02/29/04	F9RR11DK
	300	2000	2370	ug/L	103	2.6	SW846 6010B	02/24-02/29/04	F9RR11DL
			Dilution Factor: 1						
			Analysis Time..: 17:51						
Potassium									
	10000	50000	59600	ug/L	99		SW846 6010B	02/24-03/05/04	F9RR11CW
	10000	50000	58100	ug/L	96	2.6	SW846 6010B	02/24-03/05/04	F9RR11CX
			Dilution Factor: 1						
			Analysis Time..: 01:58						
Silver									
	ND	50.0	23.2 N	ug/L	46		SW846 6010B	02/24-02/29/04	F9RR11EJ
	ND	50.0	24.3 N	ug/L	49	4.7	SW846 6010B	02/24-02/29/04	F9RR11EK
			Dilution Factor: 1						
			Analysis Time..: 17:51						
Arsenic									
	ND	2000	2110	ug/L	105		SW846 6010B	02/24-02/29/04	F9RR11DH
	ND	2000	2050	ug/L	102	3.0	SW846 6010B	02/24-02/29/04	F9RR11DJ
			Dilution Factor: 1						
			Analysis Time..: 17:51						
Cadmium									
	0.49	50.0	50.1	ug/L	99		SW846 6010B	02/24-02/29/04	F9RR11DM
	0.49	50.0	48.6	ug/L	96	3.1	SW846 6010B	02/24-02/29/04	F9RR11DN
			Dilution Factor: 1						
			Analysis Time..: 17:51						
Cobalt									
	1.2	500	526	ug/L	105		SW846 6010B	02/24-02/29/04	F9RR11EM
	1.2	500	509	ug/L	101	3.3	SW846 6010B	02/24-02/29/04	F9RR11EN
			Dilution Factor: 1						
			Analysis Time..: 17:51						

(Continued on next page)

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: D4B180160 **Matrix.....:** WATER
Date Sampled...: 02/18/04 15:00 **Date Received..:** 02/18/04

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Chromium									
	ND	200	211	ug/L	105		SW846 6010B	02/24-02/29/04	F9RR11CR
	ND	200	204	ug/L	101	3.3	SW846 6010B	02/24-02/29/04	F9RR11CT
			Dilution Factor: 1						
			Analysis Time..: 17:51						
Copper									
	52	250	318	ug/L	106		SW846 6010B	02/24-02/29/04	F9RR11CU
	52	250	310	ug/L	103	2.5	SW846 6010B	02/24-02/29/04	F9RR11CV
			Dilution Factor: 1						
			Analysis Time..: 17:51						
Nickel									
	9.6	500	515	ug/L	101		SW846 6010B	02/24-02/29/04	F9RR11C4
	9.6	500	501	ug/L	98	2.8	SW846 6010B	02/24-02/29/04	F9RR11C5
			Dilution Factor: 1						
			Analysis Time..: 17:51						
Lead									
	ND	500	534	ug/L	106		SW846 6010B	02/24-02/29/04	F9RR11C6
	ND	500	516	ug/L	103	3.3	SW846 6010B	02/24-02/29/04	F9RR11C7
			Dilution Factor: 1						
			Analysis Time..: 17:51						
Antimony									
	ND	500	520	ug/L	104		SW846 6010B	02/24-02/29/04	F9RR11DP
	ND	500	506	ug/L	101	2.7	SW846 6010B	02/24-02/29/04	F9RR11DQ
			Dilution Factor: 1						
			Analysis Time..: 17:51						
Selenium									
	ND	2000	2150	ug/L	107		SW846 6010B	02/24-02/29/04	F9RR11C8
	ND	2000	2100	ug/L	105	2.5	SW846 6010B	02/24-02/29/04	F9RR11C9
			Dilution Factor: 1						
			Analysis Time..: 17:51						
Zinc									
	38	500	548	ug/L	102		SW846 6010B	02/24-02/29/04	F9RR11DD
	38	500	531	ug/L	99	3.1	SW846 6010B	02/24-02/29/04	F9RR11DE
			Dilution Factor: 1						
			Analysis Time..: 17:51						

(Continued on next page)

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: D4B180160 **Matrix.....:** WATER
Date Sampled...: 02/18/04 15:00 **Date Received..:** 02/18/04

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Beryllium									
	ND	50.0	48.2	ug/L	96		SW846 6010B	02/24-03/05/04	F9RR11CK
	ND	50.0	46.6	ug/L	93	3.4	SW846 6010B	02/24-03/05/04	F9RR11CL
			Dilution Factor: 1						
			Analysis Time..: 01:58						
Boron									
	210	1000	1170	ug/L	96		SW846 6010B	02/24-03/05/04	F9RR11DU
	210	1000	1130	ug/L	93	3.1	SW846 6010B	02/24-03/05/04	F9RR11DV
			Dilution Factor: 1						
			Analysis Time..: 01:58						

NOTE(S):

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

NC The recovery and/or RPD were not calculated.

MSB The recovery and RPD were not calculated because the sample amount was greater than four times the spike amount.

N Spiked analyte recovery is outside stated control limits.

METHOD BLANK REPORT

DISSOLVED Metals

Client Lot #...: D4B180160 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: D4B200000-527 **Prep Batch #...:** 4051527						
Calcium	ND	200	ug/L	SW846 6010B	02/24-03/05/04	F902J1AE
		Dilution Factor: 1				
		Analysis Time..: 03:25				
Magnesium	ND	200	ug/L	SW846 6010B	02/24-03/05/04	F902J1AK
		Dilution Factor: 1				
		Analysis Time..: 03:25				
Sodium	ND	5000	ug/L	SW846 6010B	02/24-03/05/04	F902J1AM
		Dilution Factor: 1				
		Analysis Time..: 03:25				
Potassium	ND	5000	ug/L	SW846 6010B	02/24-03/05/04	F902J1AJ
		Dilution Factor: 1				
		Analysis Time..: 03:25				
Iron	ND	100	ug/L	SW846 6010B	02/24-03/05/04	F902J1AH
		Dilution Factor: 1				
		Analysis Time..: 03:25				

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: D4B180160 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: D4B200000-527 **Prep Batch #...:** 4051527					
Calcium	96	(89 - 110)	SW846 6010B	02/24-03/05/04	F902J1A3
		Dilution Factor: 1	Analysis Time..: 03:29		
Magnesium	98	(91 - 111)	SW846 6010B	02/24-03/05/04	F902J1A8
		Dilution Factor: 1	Analysis Time..: 03:29		
Sodium	94	(91 - 112)	SW846 6010B	02/24-03/05/04	F902J1CA
		Dilution Factor: 1	Analysis Time..: 03:29		
Potassium	96	(86 - 111)	SW846 6010B	02/24-03/05/04	F902J1A7
		Dilution Factor: 1	Analysis Time..: 03:29		
Iron	97	(88 - 110)	SW846 6010B	02/24-03/05/04	F902J1A6
		Dilution Factor: 1	Analysis Time..: 03:29		

NOTE(S):

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

LABORATORY CONTROL SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: D4B180160 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: D4B200000-527 **Prep Batch #...:** 4051527							
Calcium	50000	47900	ug/L	96	SW846 6010B	02/24-03/05/04	F902J1A3
			Dilution Factor: 1		Analysis Time..: 03:29		
Magnesium	50000	49000	ug/L	98	SW846 6010B	02/24-03/05/04	F902J1A8
			Dilution Factor: 1		Analysis Time..: 03:29		
Sodium	50000	47000	ug/L	94	SW846 6010B	02/24-03/05/04	F902J1CA
			Dilution Factor: 1		Analysis Time..: 03:29		
Potassium	50000	47900	ug/L	96	SW846 6010B	02/24-03/05/04	F902J1A7
			Dilution Factor: 1		Analysis Time..: 03:29		
Iron	1000	969	ug/L	97	SW846 6010B	02/24-03/05/04	F902J1A6
			Dilution Factor: 1		Analysis Time..: 03:29		

NOTE(S):

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

MATRIX SPIKE SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: D4B180160 **Matrix.....:** WATER
Date Sampled...: 02/18/04 14:25 **Date Received..:** 02/19/04

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D4B190355-001 **Prep Batch #...:** 4051527							
Calcium	118	(48 - 153)			SW846 6010B	02/24-03/07/04	F9V121CV
	116	(48 - 153)	0.44	(0-25)	SW846 6010B	02/24-03/07/04	F9V121CW
		Dilution Factor: 1					
		Analysis Time..: 01:03					
Magnesium	107	(62 - 146)			SW846 6010B	02/24-03/07/04	F9V121C7
	106	(62 - 146)	0.32	(0-25)	SW846 6010B	02/24-03/07/04	F9V121C8
		Dilution Factor: 1					
		Analysis Time..: 01:03					
Sodium	111	(70 - 203)			SW846 6010B	02/24-03/07/04	F9V121DC
	111	(70 - 203)	0.01	(0-40)	SW846 6010B	02/24-03/07/04	F9V121DD
		Dilution Factor: 1					
		Analysis Time..: 01:03					
Potassium	107	(76 - 132)			SW846 6010B	02/24-03/07/04	F9V121C5
	106	(76 - 132)	1.1	(0-25)	SW846 6010B	02/24-03/07/04	F9V121C6
		Dilution Factor: 1					
		Analysis Time..: 01:03					
Iron	110	(52 - 155)			SW846 6010B	02/24-03/07/04	F9V121C3
	106	(52 - 155)	2.0	(0-25)	SW846 6010B	02/24-03/07/04	F9V121C4
		Dilution Factor: 1					
		Analysis Time..: 01:03					

NOTE(S):

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

MATRIX SPIKE SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: D4B180160 **Matrix.....:** WATER
Date Sampled...: 02/18/04 14:25 **Date Received..:** 02/19/04

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D4B190355-001 **Prep Batch #...:** 4051527									
Calcium									
	87000	50000	145000	ug/L	118		SW846 6010B	02/24-03/07/04	F9V121CV
	87000	50000	145000	ug/L	116	0.44	SW846 6010B	02/24-03/07/04	F9V121CW
			Dilution Factor: 1						
			Analysis Time..: 01:03						
Magnesium									
	8000	50000	61200	ug/L	107		SW846 6010B	02/24-03/07/04	F9V121C7
	8000	50000	61100	ug/L	106	0.32	SW846 6010B	02/24-03/07/04	F9V121C8
			Dilution Factor: 1						
			Analysis Time..: 01:03						
Sodium									
	66000	50000	121000	ug/L	111		SW846 6010B	02/24-03/07/04	F9V121DC
	66000	50000	121000	ug/L	111	0.01	SW846 6010B	02/24-03/07/04	F9V121DD
			Dilution Factor: 1						
			Analysis Time..: 01:03						
Potassium									
	3800	50000	57300	ug/L	107		SW846 6010B	02/24-03/07/04	F9V121C5
	3800	50000	56700	ug/L	106	1.1	SW846 6010B	02/24-03/07/04	F9V121C6
			Dilution Factor: 1						
			Analysis Time..: 01:03						
Iron									
	720	1000	1820	ug/L	110		SW846 6010B	02/24-03/07/04	F9V121C3
	720	1000	1780	ug/L	106	2.0	SW846 6010B	02/24-03/07/04	F9V121C4
			Dilution Factor: 1						
			Analysis Time..: 01:03						

NOTE(S):

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

METHOD BLANK REPORT

General Chemistry

Client Lot #...: D4B180160 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Biochemical Oxygen Demand (BOD)		Work Order #: F9RQ71AA		MB Lot-Sample #:	D4B180000-564	
	ND	2.0	mg/L	MCAWW 405.1	02/18/04	4049564
		Dilution Factor: 1				
		Analysis Time..: 10:00				
Chemical Oxygen Demand (COD)		Work Order #: GAAAX1AA		MB Lot-Sample #:	D4B270000-267	
	ND	8.0	mg/L	MCAWW 410.4	02/26/04	4058267
		Dilution Factor: 1				
		Analysis Time..: 15:00				
Chloride		Work Order #: F95A81AA		MB Lot-Sample #:	D4B190000-354	
	ND	3.0	mg/L	MCAWW 300.0A	02/18/04	4050354
		Dilution Factor: 1				
		Analysis Time..: 12:31				
Cyanide, Total		Work Order #: F97LP1AA		MB Lot-Sample #:	D4B250000-554	
	ND	0.010	mg/L	SW846 9012A	02/24-02/25/04	4056554
		Dilution Factor: 1				
		Analysis Time..: 13:00				
Fluoride		Work Order #: F95A21AA		MB Lot-Sample #:	D4B190000-355	
	ND	1.0	mg/L	MCAWW 300.0A	02/18/04	4050355
		Dilution Factor: 1				
		Analysis Time..: 12:31				
Nitrate		Work Order #: F95CT1AA		MB Lot-Sample #:	D4B190000-356	
	ND	0.50	mg/L	MCAWW 300.0A	02/18/04	4050356
		Dilution Factor: 1				
		Analysis Time..: 12:31				
Specific Conductance		Work Order #: F99841AA		MB Lot-Sample #:	D4B270000-240	
	0.82 B	**2.0**	**umhos/cm**	**MCAWW 120.1**	**02/24/04**	**4058240**
		Dilution Factor: 1				
		Analysis Time..: 16:00				
Sulfate		Work Order #: F95DE1AA		MB Lot-Sample #:	D4B190000-353	
	ND	5.0	mg/L	MCAWW 300.0A	02/18/04	4050353
		Dilution Factor: 1				
		Analysis Time..: 12:31				
Total Alkalinity		Work Order #: F92G51AA		MB Lot-Sample #:	D4B230000-247	
	ND	5.0	mg/L	MCAWW 310.1	02/20/04	4054247
		Dilution Factor: 1				
		Analysis Time..: 18:00				

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METHOD BLANK REPORT

General Chemistry

Client Lot #...: D4B180160 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Dissolved Solids		Work Order #: F998M1AA		MB Lot-Sample #: D4B230000-469		
	ND	10	mg/L	MCAWW 160.1	02/23/04	4054469
		Dilution Factor: 1				
		Analysis Time..: 13:00				
Total Organic Halogens		Work Order #: GAA2R1AA		MB Lot-Sample #: D4B270000-399		
	8.4 B	**30**	**ug/L**	**SW846 9020B**	**02/24/04**	**4058399**
		Dilution Factor: 1				
		Analysis Time..: 12:00				
Total Organic Carbon		Work Order #: F99LA1AA		MB Lot-Sample #: D4B260000-522		
	ND	1.0	mg/L	MCAWW 415.1	02/25/04	4057522
		Dilution Factor: 1				
		Analysis Time..: 22:00				
Total Sulfide		Work Order #: F953N1AA		MB Lot-Sample #: D4B250000-197		
	ND	4.0	mg/L	SW846 9030B/9034	02/24/04	4056197
		Dilution Factor: 1				
		Analysis Time..: 10:00				

NOTE(S):

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

B Estimated result. Result is less than RL.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Lot-Sample #...: D4B180160 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Biochemical Oxygen Demand (BOD)		WO#:F9RQ71AC-LCS/F9RQ71AD-LCSD				LCS Lot-Sample#: D4B180000-564	
	93	(85 - 115)			MCAWW 405.1	02/18/04	4049564
	90	(85 - 115)	3.3	(0-20)	MCAWW 405.1	02/18/04	4049564
		Dilution Factor: 1			Analysis Time..: 10:00		
Chemical Oxygen Demand (COD)		WO#:GAAAX1AC-LCS/GAAAX1AD-LCSD				LCS Lot-Sample#: D4B270000-267	
	95	(86 - 114)			MCAWW 410.4	02/26/04	4058267
	95	(86 - 114)	0.69	(0-11)	MCAWW 410.4	02/26/04	4058267
		Dilution Factor: 1			Analysis Time..: 15:00		
Chloride		WO#:F95A81AC-LCS/F95A81AD-LCSD				LCS Lot-Sample#: D4B190000-354	
	98	(90 - 110)			MCAWW 300.0A	02/18/04	4050354
	96	(90 - 110)	1.8	(0-10)	MCAWW 300.0A	02/18/04	4050354
		Dilution Factor: 1			Analysis Time..: 12:09		
Fluoride		WO#:F95A21AC-LCS/F95A21AD-LCSD				LCS Lot-Sample#: D4B190000-355	
	103	(90 - 110)			MCAWW 300.0A	02/18/04	4050355
	98	(90 - 110)	4.5	(0-10)	MCAWW 300.0A	02/18/04	4050355
		Dilution Factor: 1			Analysis Time..: 12:09		
Nitrate		WO#:F95CT1AC-LCS/F95CT1AD-LCSD				LCS Lot-Sample#: D4B190000-356	
	95	(90 - 110)			MCAWW 300.0A	02/18/04	4050356
	96	(90 - 110)	1.0	(0-10)	MCAWW 300.0A	02/18/04	4050356
		Dilution Factor: 1			Analysis Time..: 12:09		
Sulfate		WO#:F95DE1AC-LCS/F95DE1AD-LCSD				LCS Lot-Sample#: D4B190000-353	
	94	(90 - 110)			MCAWW 300.0A	02/18/04	4050353
	94	(90 - 110)	0.21	(0-10)	MCAWW 300.0A	02/18/04	4050353
		Dilution Factor: 1			Analysis Time..: 12:09		
Total Alkalinity		WO#:F92G51AC-LCS/F92G51AD-LCSD				LCS Lot-Sample#: D4B230000-247	
	99	(95 - 110)			MCAWW 310.1	02/20/04	4054247
	100	(95 - 110)	0.65	(0-10)	MCAWW 310.1	02/20/04	4054247
		Dilution Factor: 1			Analysis Time..: 18:00		

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Lot-Sample #...: D4B180160 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Dissolved Solids		WO#:F998M1AC-LCS/F998M1AD-LCSD				LCS Lot-Sample#: D4B230000-469	
	95	(86 - 106)			MCAWW 160.1	02/23/04	4054469
	94	(86 - 106)	1.1	(0-20)	MCAWW 160.1	02/23/04	4054469
		Dilution Factor: 1			Analysis Time..: 13:00		
Total Organic Carbon		WO#:F99LA1AC-LCS/F99LA1AD-LCSD				LCS Lot-Sample#: D4B260000-522	
	108	(90 - 110)			MCAWW 415.1	02/25/04	4057522
	107	(90 - 110)	1.7	(0-10)	MCAWW 415.1	02/25-02/26/04	4057522
		Dilution Factor: 1			Analysis Time..: 22:00		
Total Sulfide		WO#:F953N1AC-LCS/F953N1AD-LCSD				LCS Lot-Sample#: D4B250000-197	
	75	(70 - 130)			SW846 9030B/9034	02/24/04	4056197
	74	(70 - 130)	1.0	(0-20)	SW846 9030B/9034	02/24/04	4056197
		Dilution Factor: 1			Analysis Time..: 10:00		

NOTE(S):

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

LABORATORY CONTROL SAMPLE DATA REPORT

General Chemistry

Lot-Sample #...: D4B180160 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Biochemical Oxygen Demand (BOD)		WO#:F9RQ71AC-LCS/F9RQ71AD-LCSD				LCS Lot-Sample#: D4B180000-564		
	198	184	mg/L	93		MCAWW 405.1	02/18/04	4049564
	198	178	mg/L	90	3.3	MCAWW 405.1	02/18/04	4049564
		Dilution Factor: 1				Analysis Time..: 10:00		
Chemical Oxygen Demand (COD)		WO#:GAAAX1AC-LCS/GAAAX1AD-LCSD				LCS Lot-Sample#: D4B270000-267		
	100	95.4	mg/L	95		MCAWW 410.4	02/26/04	4058267
	100	94.8	mg/L	95	0.69	MCAWW 410.4	02/26/04	4058267
		Dilution Factor: 1				Analysis Time..: 15:00		
Chloride		WO#:F95A81AC-LCS/F95A81AD-LCSD				LCS Lot-Sample#: D4B190000-354		
	20.0	19.6	mg/L	98		MCAWW 300.0A	02/18/04	4050354
	20.0	19.3	mg/L	96	1.8	MCAWW 300.0A	02/18/04	4050354
		Dilution Factor: 1				Analysis Time..: 12:09		
Fluoride		WO#:F95A21AC-LCS/F95A21AD-LCSD				LCS Lot-Sample#: D4B190000-355		
	4.00	4.11	mg/L	103		MCAWW 300.0A	02/18/04	4050355
	4.00	3.93	mg/L	98	4.5	MCAWW 300.0A	02/18/04	4050355
		Dilution Factor: 1				Analysis Time..: 12:09		
Nitrate		WO#:F95CT1AC-LCS/F95CT1AD-LCSD				LCS Lot-Sample#: D4B190000-356		
	4.00	3.79	mg/L	95		MCAWW 300.0A	02/18/04	4050356
	4.00	3.83	mg/L	96	1.0	MCAWW 300.0A	02/18/04	4050356
		Dilution Factor: 1				Analysis Time..: 12:09		
Sulfate		WO#:F95DE1AC-LCS/F95DE1AD-LCSD				LCS Lot-Sample#: D4B190000-353		
	20.0	18.8	mg/L	94		MCAWW 300.0A	02/18/04	4050353
	20.0	18.7	mg/L	94	0.21	MCAWW 300.0A	02/18/04	4050353
		Dilution Factor: 1				Analysis Time..: 12:09		
Total Alkalinity		WO#:F92G51AC-LCS/F92G51AD-LCSD				LCS Lot-Sample#: D4B230000-247		
	200	199	mg/L	99		MCAWW 310.1	02/20/04	4054247
	200	200	mg/L	100	0.65	MCAWW 310.1	02/20/04	4054247
		Dilution Factor: 1				Analysis Time..: 18:00		

(Continued on next page)

LABORATORY CONTROL SAMPLE DATA REPORT

General Chemistry

Lot-Sample #...: D4B180160 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Dissolved Solids			WO#:F998M1AC-LCS/F998M1AD-LCSD			LCS Lot-Sample#: D4B230000-469		
	500	473	mg/L	95		MCAWW 160.1	02/23/04	4054469
	500	468	mg/L	94	1.1	MCAWW 160.1	02/23/04	4054469
			Dilution Factor: 1			Analysis Time..: 13:00		
Total Organic Carbon			WO#:F99LA1AC-LCS/F99LA1AD-LCSD			LCS Lot-Sample#: D4B260000-522		
	25.0	27.1	mg/L	108		MCAWW 415.1	02/25/04	4057522
	25.0	26.6	mg/L	107	1.7	MCAWW 415.1	02/25-02/26/04	4057522
			Dilution Factor: 1			Analysis Time..: 22:00		
Total Sulfide			WO#:F953N1AC-LCS/F953N1AD-LCSD			LCS Lot-Sample#: D4B250000-197		
	20.3	15.2	mg/L	75		SW846 9030B/9034	02/24/04	4056197
	20.3	15.0	mg/L	74	1.0	SW846 9030B/9034	02/24/04	4056197
			Dilution Factor: 1			Analysis Time..: 10:00		

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: D4B180160 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Cyanide, Total		Work Order #: F97LP1AC	LCS Lot-Sample#: D4B250000-554		
	100	(89 - 109)	SW846 9012A	02/24-02/25/04	4056554
		Dilution Factor: 1	Analysis Time..: 13:00		
Specific Conductance		Work Order #: F99841AC	LCS Lot-Sample#: D4B270000-240		
	105	(89 - 109)	MCAWW 120.1	02/24/04	4058240
		Dilution Factor: 1	Analysis Time..: 16:00		
Total Organic Halogens		Work Order #: GAA2R1AC	LCS Lot-Sample#: D4B270000-399		
	102	(75 - 113)	SW846 9020B	02/24/04	4058399
		Dilution Factor: 1	Analysis Time..: 12:00		

NOTE(S):

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

LABORATORY CONTROL SAMPLE DATA REPORT

General Chemistry

Client Lot #...: D4B180160 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Cyanide, Total			Work Order #: F97LP1AC LCS Lot-Sample#: D4B250000-554				
	0.100	0.100	mg/L	100	SW846 9012A	02/24-02/25/04	4056554
			Dilution Factor: 1		Analysis Time..: 13:00		
Specific Conductance			Work Order #: F99841AC LCS Lot-Sample#: D4B270000-240				
	1000	1050	umhos/cm	105	MCAWW 120.1	02/24/04	4058240
			Dilution Factor: 1		Analysis Time..: 16:00		
Total Organic Halogens			Work Order #: GAA2R1AC LCS Lot-Sample#: D4B270000-399				
	100	102	ug/L	102	SW846 9020B	02/24/04	4058399
			Dilution Factor: 1		Analysis Time..: 12:00		

NOTE(S):

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

MATRIX SPIKE SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: D4B180160 **Matrix.....:** WATER
Date Sampled...: 02/17/04 13:35 **Date Received..:** 02/18/04

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chemical Oxygen Demand (COD)		WO#: F9NQ71D4-MS/F9NQ71D5-MSD				MS Lot-Sample #: D4B170132-001	
	84	(74 - 109)			MCAWW 410.4	02/26/04	4058267
	84	(74 - 109)	0.0	(0-11)	MCAWW 410.4	02/26/04	4058267
		Dilution Factor: 1					
		Analysis Time..: 15:00					
Chloride		WO#: F9QP71CR-MS/F9QP71CT-MSD				MS Lot-Sample #: D4B180160-001	
	119	(80 - 120)			MCAWW 300.0A	02/18/04	4050354
	120	(80 - 120)	0.37	(0-10)	MCAWW 300.0A	02/18/04	4050354
		Dilution Factor: 1					
		Analysis Time..: 19:18					
Cyanide, Total		WO#: F9NPF1EX-MS/F9NPF1E0-MSD				MS Lot-Sample #: D4B170125-001	
	97	(78 - 120)			SW846 9012A	02/24-02/25/04	4056554
	99	(78 - 120)	1.8	(0-20)	SW846 9012A	02/24-02/25/04	4056554
		Dilution Factor: 1					
		Analysis Time..: 13:00					
Fluoride		WO#: F9QP71CP-MS/F9QP71CQ-MSD				MS Lot-Sample #: D4B180160-001	
	113	(80 - 120)			MCAWW 300.0A	02/18/04	4050355
	113	(80 - 120)	0.32	(0-10)	MCAWW 300.0A	02/18/04	4050355
		Dilution Factor: 1					
		Analysis Time..: 19:18					
Nitrate		WO#: F9QP71CU-MS/F9QP71CV-MSD				MS Lot-Sample #: D4B180160-001	
	120	(80 - 120)			MCAWW 300.0A	02/18/04	4050356
	118	(80 - 120)	0.98	(0-10)	MCAWW 300.0A	02/18/04	4050356
		Dilution Factor: 1					
		Analysis Time..: 19:18					
Sulfate		WO#: F9QP71CW-MS/F9QP71CX-MSD				MS Lot-Sample #: D4B180160-001	
	129 N,I	(80 - 120)			MCAWW 300.0A	02/18/04	4050353
	130 N,I	(80 - 120)	0.38	(0-10)	MCAWW 300.0A	02/18/04	4050353
		Dilution Factor: 1					
		Analysis Time..: 19:18					
Total Organic Halogens		WO#: F9Q0E1CG-MS/F9Q0E1CH-MSD				MS Lot-Sample #: D4B180194-006	
	96	(75 - 113)			SW846 9020B	02/24-02/25/04	4058399
	95	(75 - 113)	1.0	(0-30)	SW846 9020B	02/24-02/25/04	4058399
		Dilution Factor: 1					
		Analysis Time..: 12:00					

(Continued on next page)

MATRIX SPIKE SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: D4B180160 **Matrix.....:** WATER
Date Sampled...: 02/17/04 13:35 **Date Received..:** 02/18/04

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon		WO#:	F9NPF1E1-MS/F9NPF1E2-MSD			MS Lot-Sample #:	D4B170125-001
	103	(85 - 117)			MCAWW 415.1	02/25/04	4057522
	114	(85 - 117)	9.7	(0-10)	MCAWW 415.1	02/25/04	4057522

Dilution Factor: 1
Analysis Time..: 21:00

NOTE(S):

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

N Spiked analyte recovery is outside stated control limits.

I Estimated result. Result concentration exceeds the calibration range.

MATRIX SPIKE SAMPLE DATA REPORT

General Chemistry

Client Lot #...: D4B180160 **Matrix.....:** WATER
Date Sampled...: 02/17/04 13:35 **Date Received..:** 02/18/04

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chemical Oxygen Demand (COD)			WO#: F9NQ71D4-MS/F9NQ71D5-MSD MS Lot-Sample #: D4B170132-001						
	8.3	50.0	50.2	mg/L	84		MCAWW 410.4	02/26/04	4058267
	8.3	50.0	50.2	mg/L	84	0.0	MCAWW 410.4	02/26/04	4058267
			Dilution Factor: 1						
			Analysis Time..: 15:00						
Chloride			WO#: F9QP71CR-MS/F9QP71CT-MSD MS Lot-Sample #: D4B180160-001						
	15	25.0	45.1	mg/L	119		MCAWW 300.0A	02/18/04	4050354
	15	25.0	45.3	mg/L	120	0.37	MCAWW 300.0A	02/18/04	4050354
			Dilution Factor: 1						
			Analysis Time..: 19:18						
Cyanide, Total			WO#: F9NPF1EX-MS/F9NPF1E0-MSD MS Lot-Sample #: D4B170125-001						
	ND	0.100	0.0969	mg/L	97		SW846 9012A	02/24-02/25/04	4056554
	ND	0.100	0.0987	mg/L	99	1.8	SW846 9012A	02/24-02/25/04	4056554
			Dilution Factor: 1						
			Analysis Time..: 13:00						
Fluoride			WO#: F9QP71CP-MS/F9QP71CQ-MSD MS Lot-Sample #: D4B180160-001						
	0.54	5.00	6.20	mg/L	113		MCAWW 300.0A	02/18/04	4050355
	0.54	5.00	6.18	mg/L	113	0.32	MCAWW 300.0A	02/18/04	4050355
			Dilution Factor: 1						
			Analysis Time..: 19:18						
Nitrate			WO#: F9QP71CU-MS/F9QP71CV-MSD MS Lot-Sample #: D4B180160-001						
	1.2	5.00	7.17	mg/L	120		MCAWW 300.0A	02/18/04	4050356
	1.2	5.00	7.10	mg/L	118	0.98	MCAWW 300.0A	02/18/04	4050356
			Dilution Factor: 1						
			Analysis Time..: 19:18						
Sulfate			WO#: F9QP71CW-MS/F9QP71CX-MSD MS Lot-Sample #: D4B180160-001						
	47	25.0	79.6	mg/L	129		MCAWW 300.0A	02/18/04	4050353
			Qualifiers: N,I						
	47	25.0	80.0	mg/L	130	0.38	MCAWW 300.0A	02/18/04	4050353
			Qualifiers: N,I						
			Dilution Factor: 1						
			Analysis Time..: 19:18						
Total Organic Halogens			WO#: F9Q0E1CG-MS/F9Q0E1CH-MSD MS Lot-Sample #: D4B180194-006						
	ND	100	96.0	ug/L	96		SW846 9020B	02/24-02/25/04	4058399
	ND	100	95.0	ug/L	95	1.0	SW846 9020B	02/24-02/25/04	4058399
			Dilution Factor: 1						
			Analysis Time..: 12:00						

(Continued on next page)

MATRIX SPIKE SAMPLE DATA REPORT

General Chemistry

Client Lot #...: D4B180160 **Matrix.....:** WATER
Date Sampled...: 02/17/04 13:35 **Date Received..:** 02/18/04

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon			WO#: F9NPF1E1-MS/F9NPF1E2-MSD				MS Lot-Sample #: D4B170125-001		
	ND	25.0	25.8	mg/L	103		MCAWW 415.1	02/25/04	4057522
	ND	25.0	28.4	mg/L	114	9.7	MCAWW 415.1	02/25/04	4057522

Dilution Factor: 1
Analysis Time..: 21:00

NOTE(S):

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

N Spiked analyte recovery is outside stated control limits.

I Estimated result. Result concentration exceeds the calibration range.

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: D4B180160 **Work Order #...:** F9PG2-SMP F9PG2-DUP **Matrix.....:** WATER

Date Sampled...: 02/17/04 11:30 **Date Received..:** 02/17/04

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Biochemical Oxygen Demand (BOD)						SD Lot-Sample #:	D4B170241-001	
	240	260	mg/L	6.3	(0-20)	MCAWW 405.1	02/18/04	4049564

Dilution Factor: 1 Analysis Time..: 10:00

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: D4B180160 **Work Order #...:** F9PLR-SMP F9PLR-DUP **Matrix.....:** WATER

Date Sampled...: 02/13/04 13:51 **Date Received..:** 02/17/04

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Alkalinity						SD Lot-Sample #:	D4B170245-031	
	31	31 B	mg/L	0.32	(0-10)	MCAWW 310.1	02/20/04	4054244

Dilution Factor: 1 Analysis Time..: 19:00

NOTE(S):

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

B Estimated result. Result is less than RL and greater than or equal to the MDL.

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: D4B180160 **Work Order #...:** F9QP7-SMP F9QP7-DUP **Matrix.....:** WATER

Date Sampled...: 02/17/04 10:30 **Date Received..:** 02/18/04

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Dissolved Solids						SD Lot-Sample #:	D4B180160-001	
	280	270	mg/L	1.8	(0-20)	MCAWW 160.1	02/23/04	4054469

Dilution Factor: 1 Analysis Time..: 13:00

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: D4B180160 **Work Order #...:** F9NPG-SMP F9NPG-DUP **Matrix.....:** WATER

Date Sampled...: 02/16/04 12:25 **Date Received..:** 02/17/04

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Specific Conductance						SD Lot-Sample #:	D4B170125-002	
	560 J	580	umhos/cm	2.6	(0-7.0)	MCAWW 120.1	02/24/04	4058240

Dilution Factor: 1 Analysis Time..: 16:00

NOTE(S):

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

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

Chain of Custody Record

3-3°
4-3° BP 2-18

SEVERN TRENT **STL**

Severn Trent Laboratories, Inc.

STL Denver
4955 Yarrow Street
Arvada, CO 80002

STL-4124 (0901)

Client	Project Manager	Date	Chain of Custody Number
SCS-ENG. C/O WASTE MGMT	TINA SCHMIESING	2/17/04	303835
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page 1 of 1**
3711 LONG BEACH BLVD - 7TH	1800 726-9544		

City	State	Zip Code	Site Contact	Lab Contact
LONG BEACH	CA	90807	BRUCE M	BETSY F

Project Name and Location (State): BRADLEY

Carrier/Waybill Number:

Contract/Purchase Order/Quote No.: 234-25662-C

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Air	Aqueous	Sed.	Soil		Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH		COND	Tot Alk	624/601/8	TDS	Metals Tot	TOX	GRO/TPH	VOA	Metals Diss.	BOD	NO3(N)	BNA	CN	T.Sulfide	Special Instructions/ Conditions of Receipt
4915 D	2/17/04	1030		X				5	2	2	3	1	1		X	X	X	X	X	X	X	X	X	X	X	X	X	X	
4915 M	2/17/04	1915		X				5	2	2	3	1	1		X	X	X	X	X	X	X	X	X	X	X	X	X	X	
~~FIELD~~ BLANK (NEAR TO 4915 M)	2/17/04	1355		X							1																		Filled next to well.

Possible Hazard Identification: ☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal: ☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify):

	Date	Time		Date	Time
1. Relinquished By	2/17/04	1618	1. Received By	2/18/04	0900
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments

4

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

FIELD INFORMATION FORM

WASTE MANAGEMENT

Site Name: BRADLEY LF

Site No.:

Sample Point: 4915 D (Sample ID)

This Waste Management Field Information Form is Required
This form is to be completed, in addition to any State Forms. The Field Form is submitted along with the Chain of Custody Forms that accompany the sample containers (i.e. with the cooler that is returned to the laboratory).

Laboratory Use Only/Lab ID: D4B180160-001

PURGE INFO

PURGE DATE (MM DD YY)	PURGE TIME (2400 Hr Clock)	ELAPSED HRS (hrs:min)	WATER VOL IN CASING (Gallons)	ACTUAL VOL PURGED (Gallons)	WELL VOLs PURGED
021704	0855	135	509	60	

Note: For Passive Sampling, replace "Water Vol in Casing" and "Well Vols Purged" w/ Water Vol in Tubing/Flow Cell and Tubing/Flow Cell Vols Purged. Mark changes, record field data, below.

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment ... Dedicated: (Y) or N

Filter Device: (Y) or N (0.45 µ) or _____ µ (circle or fill in)

Purging Device: C — A- Submersible Pump, B-Peristaltic Pump, C-QED Bladder Pump, D-Bailer, E-Piston Pump, F-Dipper/Bottle

Sampling Device: C

X-Other:

Filter Type: A — A-In-line Disposable, B-Pressure, C-Vacuum, X-Other

Sample Tube Type: A — A-Teflon, B-Stainless Steel, C-PVC, D-Polypropylene, X-Other:

WELL DATA

Well Elevation (at TOC): 91586 (ft/msl)

Depth to Water (DTW) (from TOC): 27310 (ft)

Groundwater Elevation (site datum, from TOC): 67516 (ft/msl)

Total Well Depth (from TOC): 324 (ft)

Stick Up (from ground elevation): (ft)

Casing ID: 4.0 (in)

Casing Material: PVC

Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data, unless required by Site/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

STABILIZATION DATA (Optional)

Sample Time (2400 Hr Clock)	Rate/Unit	pH (std)	Conductance (SC/EC) (µmhos/cm @ 25 °C)	Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
0915	1.0 1st	7.55 1st	.479 1st	22.6	0.0	3.6	—	—
0942	3.0 2nd	7.55 2nd	.479 2nd	22.6	0.0	3.7	—	—
1025	6.0 3rd	7.56 3rd	.483 3rd	23.2	0.0	3.4	—	—
	4th	4th						
Suggested range for 3 consec. readings or note Permit/State requirements:		+/- 0.2	+/- 3%	--	--	+/- 10%	+/- 25 mV	Stabilize

Stabilization Data Fields are Optional *(i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State/Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form.*

FIELD DATA

SAMPLE DATE (MM DD YY)	pH (std)	CONDUCTANCE (umhos/cm @ 25°C)	TEMP. (°C)	TURBIDITY (ntu)	DO (mg/L-ppm)	eH/ORP (mV)	Other: Units
021704	7.56	.483	23.2	0.0	3.4	—	gal. —

Final Field Readings are required *(i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site.*

FIELD COMMENTS

Sample Appearance: clear Odor: none Color: clear Other:

Weather Conditions (required daily, or as conditions change): Direction/Speed: Outlook: Precipitation: Y or (N)

Specific Comments (including purge/well volume calculations if required):

* Samples collected after all readings had stabilized @ 6 gal.
* Samples collected @ 1030 HRS.

I certify that sampling procedures were in accordance with applicable EPA, State, and WM protocols (if more than one sampler, all should sign):

Date	Name	Signature	Company
2/17/04	Ernesto Martinez	[signature]	ES-FS.

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy

STL-8029WM Rev. 12/00

5/2/04

FIELD INFORMATION FORM

WASTE MANAGEMENT

Site Name: BRADLEY LF

Site No.:

Sample Point: 4915 M (Sample ID)

This Waste Management Field Information Form is Required
This form is to be completed, in addition to any State Forms. The Field Form is submitted along with the Chain of Custody Forms that accompany the sample containers (i.e. with the cooler that is returned to the laboratory).

Laboratory Use Only/Lab ID: D4B180160-002

PURGE INFO

PURGE DATE (MM DD YY)	PURGE TIME (2400 Hr Clock)	ELAPSED HRS (hrs:min)	WATER VOL IN CASING (Gallons)	ACTUAL VOL PURGED (Gallons)	WELL VOLs PURGED
021704	1133	118	107	60	—

Note: For Passive Sampling, replace "Water Vol in Casing" and "Well Vols Purged" w/ Water Vol in Tubing/Flow Cell and Tubing/Flow Cell Vols Purged. Mark changes, record field data, below.

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment ... Dedicated: (Y) or N

Filter Device: (Y) or N (0.45 µ) or _____ µ (circle or fill in)

Purging Device: C — A- Submersible Pump, B-Peristaltic Pump, C-QED Bladder Pump, D-Bailer, E-Piston Pump, F-Dipper/Bottle

Sampling Device: C

X-Other:

Filter Type: A — A-In-line Disposable, B-Pressure, C-Vacuum, X-Other

Sample Tube Type: A — A-Teflon, B-Stainless Steel, C-PVC, D-Polypropylene, X-Other:

WELL DATA

Well Elevation (at TOC): 89817 (ft/msl)

Depth to Water (DTW) (from TOC): 26625 (ft)

Groundwater Elevation (site datum, from TOC): _____ (ft/msl)

Total Well Depth (from TOC): 277 (ft)

Stick Up (from ground elevation): _____ (ft)

Casing ID: 4.0 (in)

Casing Material: PVC

Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data, unless required by Site/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

STABILIZATION DATA (Optional)

Sample Time (2400 Hr Clock)	Rate/Unit	pH (std)	Conductance (SC/EC) (µmhos/cm @ 25 °C)	Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
1150	1.0 1st	7.54 1st	.713 1st	19.4	1.6	3.4	—	—
1204	2.0 2nd	7.55 2nd	.713 2nd	19.5	0.2	3.5	—	—
1239	4.0 3rd	7.53 3rd	.707 3rd	19.5	1.1	3.8	—	—
1312	6.0 4th	7.55 4th	.711 4th	19.5	0.4	3.7	—	—
Suggested range for 3 consec. readings or note Permit/State requirements:		+/- 0.2	+/- 3%	--	--	+/- 10%	+/- 25 mV	Stabilize

Stabilization Data Fields are Optional *(i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State/Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form.*

FIELD DATA

SAMPLE DATE (MM DD YY)	pH (std)	CONDUCTANCE (umhos/cm @ 25°C)	TEMP. (°C)	TURBIDITY (ntu)	DO (mg/L-ppm)	eH/ORP (mV)	Other: Units
021704	7.55	.711	19.5	0.4	3.7	—	Gal. —

Final Field Readings are required *(i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site.*

FIELD COMMENTS

Sample Appearance: clear Odor: none Color: clear Other:

Weather Conditions (required daily, or as conditions change): Direction/Speed: _____ Outlook: _____ Precipitation: Y or (N)

Specific Comments (including purge/well volume calculations if required):

* Samples collected after all readings had stabilized @ 6 gal.
- Samples collected at 1315 HRS.
- Trip Blank collected per well @ 1355 HRS.

I certify that sampling procedures were in accordance with applicable EPA, State, and WM protocols (if more than one sampler, all should sign):

Date	Name	Signature	Company
02/17/04	Ernesto Martinez	[signature]	SCS-ES.

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy

STL-8029WM R-12/00

DK 3/8/04 86

SEVERN TRENT STL

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ANALYTICAL REPORT

Project No. Site 234

Bradley LF

Lot #: D4B200189

Groundwater

Bruce Matlock

Waste Mgmt. Disp. Serv. of CA
9081 Tujunga
Sun Valley, CA 91352

Cc: Tina Schmiesing

STL DENVER

Betsy Farnaus
Project Manager

March 11, 2004

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Case Narrative

Enclosed is the report for three samples received at STL's Denver laboratory on February 20, 2004. The results included in this report have been reviewed for compliance with STL's Laboratory Quality Manual. The test results shown in this report meet all requirements of NELAC and any exceptions are noted below.

This report may include data with reporting limits (RLs) less than STL Denver's standard reporting limits. These data and reporting limits are being used specifically to meet the needs of this project. Note that, data are not customarily reported to these levels without qualifiers, because they are inherently less reliable and potentially less defensible than the latest industry standards require. Please contact STL Denver for more details.

Dilution factors and footnotes have been provided to assist in the interpretation of the results. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at concentrations above the linear calibration curve, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

STL utilizes USEPA approved methods in all analytical work. The samples presented in this report were analyzed for the parameters listed on the analytical methods summary page in accordance with the methods indicated. A summary of quality control parameters is provided below.

This report shall not be reproduced except in full, without the written approval of the laboratory.

Quality Control Summary for Lot D4B200189

Sample Receiving

- The cooler temperatures upon receipt at the Denver laboratory was 3.1°C.
- All sample bottles were received in acceptable condition.

Holding Times

- All holding times were within established control limits.

Trip Blanks

- Methylene Chloride was detected in the Trip Blank sample at a level below the requested reporting limit. Methylene Chloride was also detected in the associated samples at similar levels, therefore indicating the possibility of field or laboratory contamination of Methylene Chloride in these samples.

Method Blanks

- Methylene Chloride Method 8260B, Total Silver, Total Cobalt, Total Copper, Dissolved Calcium Method 6010B and Specific Conductance Method 120.1 were detected in the Method Blanks below the project established reporting limits. No corrective action is taken for any values in Method Blanks that are below the requested reporting limits. The Method Blank data are included at the end of this report.

- All other Method Blanks were within established control limits.

Laboratory Control Samples

- All Laboratory Control Samples were within established control limits.

Matrix Spike and Matrix Spike Duplicate (MS/MSD)

- The method required MS/MSD could not be performed for Method 8270C and Method 9030B/9034 due to insufficient sample volume, however, LCS/LCSD pairs were analyzed to demonstrate method precision.

- The percent recoveries of the MS/MSD and/or the relative percent difference were not calculated for Dissolved Calcium, Dissolved Magnesium, Dissolved Sodium and Dissolved Potassium during Method 6010B analysis because the sample concentration was greater than four times the spike amount.

- Due to the result concentration exceeding the calibration range the MS/MSD results for Chloride Method 300.0A are estimated.

- All other MS and MSD samples were within established control limits.

Sample Duplicate

- The RPD result for Biochemical Oxygen Demand (BOD) Method 405.1 performed on an unrelated sample was outside control limits. Because all other QC and calibration criteria were met, corrective action was deemed unnecessary.

EXECUTIVE SUMMARY - Detection Highlights

D4B200189

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
4926C 02/19/04 09:05 001				
Calcium - DISSOLVED	56000 J	200	ug/L	SW846 6010B
Magnesium - DISSOLVED	15000	200	ug/L	SW846 6010B
Sodium - DISSOLVED	22000	5000	ug/L	SW846 6010B
Potassium - DISSOLVED	4100 B,L	5000	ug/L	SW846 6010B
Cobalt	1.5 B,J	10	ug/L	SW846 6010B
Manganese	860	10	ug/L	SW846 6010B
Barium	93 B	100	ug/L	SW846 6010B
Potassium	4000 B	5000	ug/L	SW846 6010B
Copper	1.5 B,J	10	ug/L	SW846 6010B
Boron	170	100	ug/L	SW846 6010B
Methylene chloride	0.34 J,B	5.0	ug/L	SW846 8260B
Specific Conductance	550 J	2.0	umhos/cm	MCAWW 120.1
Total Dissolved Solids	310	10	mg/L	MCAWW 160.1
Chloride	27	3.0	mg/L	MCAWW 300.0A
Sulfate	53 Q	25	mg/L	MCAWW 300.0A
Fluoride	0.47 B	1.0	mg/L	MCAWW 300.0A
Nitrate	0.060 B	0.50	mg/L	MCAWW 300.0A
Bicarbonate Alkalinity	180	5.0	mg/L	MCAWW 310.1
Total Alkalinity	180	5.0	mg/L	MCAWW 310.1
4926C (DUPLICATE) 02/19/04 09:35 002				
Calcium - DISSOLVED	59000 J	200	ug/L	SW846 6010B
Magnesium - DISSOLVED	16000	200	ug/L	SW846 6010B
Sodium - DISSOLVED	25000	5000	ug/L	SW846 6010B
Potassium - DISSOLVED	4300 B,L	5000	ug/L	SW846 6010B
Silver	0.93 B,J	10	ug/L	SW846 6010B
Cobalt	0.86 B,J	10	ug/L	SW846 6010B
Manganese	890	10	ug/L	SW846 6010B
Barium	95 B	100	ug/L	SW846 6010B
Potassium	4000 B	5000	ug/L	SW846 6010B
Copper	1.5 B,J	10	ug/L	SW846 6010B
Boron	170	100	ug/L	SW846 6010B
Methylene chloride	0.32 J,B	5.0	ug/L	SW846 8260B
Specific Conductance	550 J	2.0	umhos/cm	MCAWW 120.1
Total Dissolved Solids	310	10	mg/L	MCAWW 160.1
Chloride	27	3.0	mg/L	MCAWW 300.0A
Sulfate	53 Q	25	mg/L	MCAWW 300.0A
Fluoride	0.50 B	1.0	mg/L	MCAWW 300.0A
Nitrate	0.080 B	0.50	mg/L	MCAWW 300.0A

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

D4B200189

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
4926C (DUPLICATE) 02/19/04 09:35 002				
Total Organic Carbon	0.61 B	1.0	mg/L	MCAWW 415.1
Total Organic Carbon	0.59 B	1.0	mg/L	MCAWW 415.1
Bicarbonate Alkalinity	180	5.0	mg/L	MCAWW 310.1
Total Alkalinity	180	5.0	mg/L	MCAWW 310.1
TRIP BLANK 02/19/04 09:50 003				
Methylene chloride	0.32 J,B	5.0	ug/L	SW846 8260B

PREPARATION METHODS SUMMARY

D4B200189

PREPARATION DESCRIPTION	PREPARATION METHOD	ANALYTICAL METHOD
Acid Digestion for Total Recoverable Metals	SW846 3005A	SW846 6010B
Bicarbonate Alkalinity	MCAWW 310.1	MCAWW 310.1
Carbonate Alkalinity	MCAWW 310.1	MCAWW 310.1
Chemical Oxygen Demand	MCAWW 410.4	MCAWW 410.4
Chloride	MCAWW 300.0A	MCAWW 300.0A
Continuous Liquid-Liquid Extraction	SW846 3520C	SW846 8270C
Distillation procedure	SW846 9012A	SW846 9012A
Filterable Residue (TDS)	MCAWW 160.1	MCAWW 160.1
Fluoride	MCAWW 300.0A	MCAWW 300.0A
Incubation	MCAWW 405.1	MCAWW 405.1
Mercury Sample Preparation	SW846 7470A	SW846 7470A
Nitrate	MCAWW 300.0A	MCAWW 300.0A
Potentiometric titration to preselected pH	MCAWW 310.1	MCAWW 310.1
Specific Conductance	MCAWW 120.1	MCAWW 120.1
Sulfate	MCAWW 300.0A	MCAWW 300.0A
Sulfides, Total	SW846 9030B/903	SW846 9030B/903
Total Organic Carbon	MCAWW 415.1	MCAWW 415.1
Total Organic Halogens	SW846 9020B	SW846 9020B
25 mL Purge-and-Trap	SW846 5030B/826	SW846 8260B

References:

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

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

ANALYTICAL METHODS SUMMARY

D4B200189

PARAMETER	ANALYTICAL METHOD
Alkalinity	MCAWW 310.1
Bicarbonate Alkalinity	MCAWW 310.1
Biochemical Oxygen Demand	MCAWW 405.1
Carbonate Alkalinity	MCAWW 310.1
Chemical Oxygen Demand	MCAWW 410.4
Chloride	MCAWW 300.0A
Cyanide, Total	SW846 9012A
Filterable Residue (TDS)	MCAWW 160.1
Fluoride	MCAWW 300.0A
Inductively Coupled Plasma (ICP) Metals	SW846 6010B
Mercury in Liquid Waste (Manual Cold-Vapor)	SW846 7470A
Nitrate as N	MCAWW 300.0A
Semivolatile Organic Compounds by GC/MS	SW846 8270C
Specific Conductance	MCAWW 120.1
Sulfate	MCAWW 300.0A
Sulfides, Total 9030B/9034	SW846 9030B/9034
Total Organic Carbon	MCAWW 415.1
Total Organic Halogens	SW846 9020B
Trace Inductively Coupled Plasma (ICP) Metals	SW846 6010B
Volatile Organics by GC/MS	SW846 8260B

References:

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

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

METHOD / ANALYST SUMMARY

D4B200189

ANALYTICAL METHOD	ANALYST	ANALYST ID
MCAWW 120.1	Ewa Kudla	001167
MCAWW 160.1	Jean Carrier	008763
MCAWW 300.0A	Andrita Scofield	004409
MCAWW 310.1	Ewa Kudla	001167
MCAWW 405.1	Jaclyn Dlhos	009462
MCAWW 410.4	Nicole Dean	008504
MCAWW 415.1	Duane Allee	001470
SW846 6010B	Kristen Roda	005692
SW846 6010B	Kristen Roda	5692
SW846 6010B	Lynn-Anne Trudell	006645
SW846 6010B	Lynn-Anne Trudell	6645
SW846 7470A	Kacey Ono	003371
SW846 8260B	Jason Reinhardt	013454
SW846 8270C	Joann Peterson	011674
SW846 9012A	Ewa Kudla	001167
SW846 9020B	Duane Allee	001470
SW846 9030B/9034	Dave Elkin	000901

References:

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

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

SAMPLE SUMMARY

D4B200189

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
F9W38	001	4926C	02/19/04	09:05
F9W4R	002	4926C (DUPLICATE)	02/19/04	09:35
F9W4T	003	TRIP BLANK	02/19/04	09:50

NOTE(S):

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

WASTE MANAGEMENT INC.

Client Sample ID: 4926C

GC/MS Volatiles

Lot-Sample #...: D4B200189-001 **Work Order #...:** F9W381AT **Matrix.....:** WATER
Date Sampled...: 02/19/04 09:05 **Date Received..:** 02/20/04
Prep Date.....: 03/03/04 **Analysis Date..:** 03/04/04
Prep Batch #...: 4064601 **Analysis Time..:** 01:46
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	34	ug/L	2.5
Acrylonitrile	ND	100	ug/L	3.1
Benzene	ND	1.0	ug/L	0.17
Bromochloromethane	ND	10	ug/L	0.27
Bromodichloromethane	ND	5.0	ug/L	0.20
Bromoform	ND	5.0	ug/L	0.23
Bromomethane	ND	10	ug/L	0.22
Carbon disulfide	ND	5.0	ug/L	0.24
Carbon tetrachloride	ND	0.50	ug/L	0.20
Chlorobenzene	ND	5.0	ug/L	0.13
Dibromochloromethane	ND	5.0	ug/L	0.19
Chloroethane	ND	10	ug/L	0.18
Chloroform	ND	5.0	ug/L	0.17
Chloromethane	ND	10	ug/L	0.91
Dibromomethane	ND	10	ug/L	0.31
1,2-Dichlorobenzene	ND	10	ug/L	0.15
1,4-Dichlorobenzene	ND	10	ug/L	0.16
trans-1,4-Dichloro-2-butene	ND	10	ug/L	0.45
Dichlorodifluoromethane	ND	10	ug/L	0.22
1,1-Dichloroethane	ND	5.0	ug/L	0.22
1,2-Dichloroethane	ND	5.0	ug/L	0.26
1,1-Dichloroethene	ND	1.0	ug/L	0.23
cis-1,2-Dichloroethene	ND	10	ug/L	0.14
trans-1,2-Dichloroethene	ND	10	ug/L	0.15
1,2-Dichloropropane	ND	5.0	ug/L	0.18
cis-1,3-Dichloropropene	ND	5.0	ug/L	0.19
trans-1,3-Dichloropropene	ND	5.0	ug/L	0.20
Ethylbenzene	ND	5.0	ug/L	0.12
Trichlorofluoromethane	ND	10	ug/L	0.24
2-Hexanone	ND	5.0	ug/L	1.7
Iodomethane	ND	10	ug/L	0.19
Methylene chloride	**0.34 J,B**	**5.0**	**ug/L**	**0.21**
4-Methyl-2-pentanone	ND	10	ug/L	0.98
Styrene	ND	5.0	ug/L	0.14
1,1,1,2-Tetrachloroethane	ND	5.0	ug/L	0.21
1,1,2,2-Tetrachloroethane	ND	5.0	ug/L	0.21
Tetrachloroethene	ND	5.0	ug/L	0.26

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WASTE MANAGEMENT INC.

Client Sample ID: 4926C

GC/MS Volatiles

Lot-Sample #...: D4B200189-001 **Work Order #...:** F9W381AT **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Toluene	ND	1.0	ug/L	0.15
1,1,1-Trichloroethane	ND	5.0	ug/L	0.16
1,1,2-Trichloroethane	ND	5.0	ug/L	0.27
Trichloroethene	ND	5.0	ug/L	0.16
1,2,3-Trichloropropane	ND	10	ug/L	0.33
Vinyl acetate	ND	10	ug/L	0.56
Vinyl chloride	ND	1.0	ug/L	0.19
Xylenes (total)	ND	10	ug/L	0.41
1,2-Dibromo-3-chloropropane (DBCP)	ND	10	ug/L	0.47
1,2-Dibromoethane (EDB)	ND	1.0	ug/L	0.18
2-Butanone (MEK)	ND	10	ug/L	2.0

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	88	(76 - 116)
1,2-Dichloroethane-d4	80	(59 - 129)
4-Bromofluorobenzene	100	(74 - 114)
Toluene-d8	89	(76 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

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

WASTE MANAGEMENT INC.

Client Sample ID: 4926C (DUPLICATE)

GC/MS Volatiles

Lot-Sample #...: D4B200189-002 **Work Order #...:** F9W4R1A5 **Matrix.....:** WATER
Date Sampled...: 02/19/04 09:35 **Date Received..:** 02/20/04
Prep Date.....: 03/03/04 **Analysis Date..:** 03/04/04
Prep Batch #...: 4064601 **Analysis Time..:** 02:06
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	34	ug/L	2.5
Acrylonitrile	ND	100	ug/L	3.1
Benzene	ND	1.0	ug/L	0.17
Bromochloromethane	ND	10	ug/L	0.27
Bromodichloromethane	ND	5.0	ug/L	0.20
Bromoform	ND	5.0	ug/L	0.23
Bromomethane	ND	10	ug/L	0.22
Carbon disulfide	ND	5.0	ug/L	0.24
Carbon tetrachloride	ND	0.50	ug/L	0.20
Chlorobenzene	ND	5.0	ug/L	0.13
Dibromochloromethane	ND	5.0	ug/L	0.19
Chloroethane	ND	10	ug/L	0.18
Chloroform	ND	5.0	ug/L	0.17
Chloromethane	ND	10	ug/L	0.91
Dibromomethane	ND	10	ug/L	0.31
1,2-Dichlorobenzene	ND	10	ug/L	0.15
1,4-Dichlorobenzene	ND	10	ug/L	0.16
trans-1,4-Dichloro-2-butene	ND	10	ug/L	0.45
Dichlorodifluoromethane	ND	10	ug/L	0.22
1,1-Dichloroethane	ND	5.0	ug/L	0.22
1,2-Dichloroethane	ND	5.0	ug/L	0.26
1,1-Dichloroethene	ND	1.0	ug/L	0.23
cis-1,2-Dichloroethene	ND	10	ug/L	0.14
trans-1,2-Dichloroethene	ND	10	ug/L	0.15
1,2-Dichloropropane	ND	5.0	ug/L	0.18
cis-1,3-Dichloropropene	ND	5.0	ug/L	0.19
trans-1,3-Dichloropropene	ND	5.0	ug/L	0.20
Ethylbenzene	ND	5.0	ug/L	0.12
Trichlorofluoromethane	ND	10	ug/L	0.24
2-Hexanone	ND	5.0	ug/L	1.7
Iodomethane	ND	10	ug/L	0.19
Methylene chloride	**0.32 J,B**	**5.0**	**ug/L**	**0.21**
4-Methyl-2-pentanone	ND	10	ug/L	0.98
Styrene	ND	5.0	ug/L	0.14
1,1,1,2-Tetrachloroethane	ND	5.0	ug/L	0.21
1,1,2,2-Tetrachloroethane	ND	5.0	ug/L	0.21
Tetrachloroethene	ND	5.0	ug/L	0.26

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WASTE MANAGEMENT INC.

Client Sample ID: 4926C (DUPLICATE)

GC/MS Volatiles

Lot-Sample #...: D4B200189-002 **Work Order #...:** F9W4R1A5 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Toluene	ND	1.0	ug/L	0.15
1,1,1-Trichloroethane	ND	5.0	ug/L	0.16
1,1,2-Trichloroethane	ND	5.0	ug/L	0.27
Trichloroethene	ND	5.0	ug/L	0.16
1,2,3-Trichloropropane	ND	10	ug/L	0.33
Vinyl acetate	ND	10	ug/L	0.56
Vinyl chloride	ND	1.0	ug/L	0.19
Xylenes (total)	ND	10	ug/L	0.41
1,2-Dibromo-3-chloropropane (DBCP)	ND	10	ug/L	0.47
1,2-Dibromoethane (EDB)	ND	1.0	ug/L	0.18
2-Butanone (MEK)	ND	10	ug/L	2.0

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	85	(76 - 116)
1,2-Dichloroethane-d4	77	(59 - 129)
4-Bromofluorobenzene	95	(74 - 114)
Toluene-d8	86	(76 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

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

WASTE MANAGEMENT INC.

Client Sample ID: TRIP BLANK

GC/MS Volatiles

Lot-Sample #...: D4B200189-003 **Work Order #...:** F9W4T1AA **Matrix.....:** WATER
Date Sampled...: 02/19/04 09:50 **Date Received..:** 02/20/04
Prep Date.....: 03/03/04 **Analysis Date..:** 03/04/04
Prep Batch #...: 4064601 **Analysis Time..:** 02:26
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	34	ug/L	2.5
Acrylonitrile	ND	100	ug/L	3.1
Benzene	ND	1.0	ug/L	0.17
Bromochloromethane	ND	10	ug/L	0.27
Bromodichloromethane	ND	5.0	ug/L	0.20
Bromoform	ND	5.0	ug/L	0.23
Bromomethane	ND	10	ug/L	0.22
Carbon disulfide	ND	5.0	ug/L	0.24
Carbon tetrachloride	ND	0.50	ug/L	0.20
Chlorobenzene	ND	5.0	ug/L	0.13
Dibromochloromethane	ND	5.0	ug/L	0.19
Chloroethane	ND	10	ug/L	0.18
Chloroform	ND	5.0	ug/L	0.17
Chloromethane	ND	10	ug/L	0.91
Dibromomethane	ND	10	ug/L	0.31
1,2-Dichlorobenzene	ND	10	ug/L	0.15
1,4-Dichlorobenzene	ND	10	ug/L	0.16
trans-1,4-Dichloro-2-butene	ND	10	ug/L	0.45
Dichlorodifluoromethane	ND	10	ug/L	0.22
1,1-Dichloroethane	ND	5.0	ug/L	0.22
1,2-Dichloroethane	ND	5.0	ug/L	0.26
1,1-Dichloroethene	ND	1.0	ug/L	0.23
cis-1,2-Dichloroethene	ND	10	ug/L	0.14
trans-1,2-Dichloroethene	ND	10	ug/L	0.15
1,2-Dichloropropane	ND	5.0	ug/L	0.18
cis-1,3-Dichloropropene	ND	5.0	ug/L	0.19
trans-1,3-Dichloropropene	ND	5.0	ug/L	0.20
Ethylbenzene	ND	5.0	ug/L	0.12
Trichlorofluoromethane	ND	10	ug/L	0.24
2-Hexanone	ND	5.0	ug/L	1.7
Iodomethane	ND	10	ug/L	0.19
Methylene chloride	**0.32 J,B**	**5.0**	**ug/L**	**0.21**
4-Methyl-2-pentanone	ND	10	ug/L	0.98
Styrene	ND	5.0	ug/L	0.14
1,1,1,2-Tetrachloroethane	ND	5.0	ug/L	0.21
1,1,2,2-Tetrachloroethane	ND	5.0	ug/L	0.21
Tetrachloroethene	ND	5.0	ug/L	0.26

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WASTE MANAGEMENT INC.

Client Sample ID: TRIP BLANK

GC/MS Volatiles

Lot-Sample #...: D4B200189-003 **Work Order #...:** F9W4T1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Toluene	ND	1.0	ug/L	0.15
1,1,1-Trichloroethane	ND	5.0	ug/L	0.16
1,1,2-Trichloroethane	ND	5.0	ug/L	0.27
Trichloroethene	ND	5.0	ug/L	0.16
1,2,3-Trichloropropane	ND	10	ug/L	0.33
Vinyl acetate	ND	10	ug/L	0.56
Vinyl chloride	ND	1.0	ug/L	0.19
Xylenes (total)	ND	10	ug/L	0.41
1,2-Dibromo-3-chloropropane (DBCP)	ND	10	ug/L	0.47
1,2-Dibromoethane (EDB)	ND	1.0	ug/L	0.18
2-Butanone (MEK)	ND	10	ug/L	2.0

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	83	(76 - 116)
1,2-Dichloroethane-d4	75	(59 - 129)
4-Bromofluorobenzene	94	(74 - 114)
Toluene-d8	87	(76 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

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

WASTE MANAGEMENT INC.

Client Sample ID: 4926C

GC/MS Semivolatiles

Lot-Sample #...: D4B200189-001 **Work Order #...:** F9W381A5 **Matrix.....:** WATER
Date Sampled...: 02/19/04 09:05 **Date Received..:** 02/20/04
Prep Date.....: 02/22/04 **Analysis Date..:** 02/26/04
Prep Batch #...: 4053094 **Analysis Time..:** 16:54
Dilution Factor: 1

Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acenaphthene	ND	10	ug/L	0.60
Acenaphthylene	ND	10	ug/L	0.60
Acetophenone	ND	10	ug/L	2.0
2-Acetylaminofluorene	ND	100	ug/L	2.0
4-Aminobiphenyl	ND	50	ug/L	2.0
Anthracene	ND	10	ug/L	3.0
Benzo(a)anthracene	ND	10	ug/L	0.80
Benzo(b)fluoranthene	ND	10	ug/L	0.90
Benzo(k)fluoranthene	ND	10	ug/L	2.0
Benzo(ghi)perylene	ND	10	ug/L	1.0
Benzo(a)pyrene	ND	10	ug/L	0.80
Benzyl alcohol	ND	10	ug/L	1.0
bis(2-Chloroethoxy) methane	ND	10	ug/L	0.90
bis(2-Chloroethyl)-ether	ND	10	ug/L	3.0
bis(2-Ethylhexyl) phthalate	ND	10	ug/L	0.90
4-Bromophenyl phenyl ether	ND	10	ug/L	0.70
Butyl benzyl phthalate	ND	10	ug/L	1.0
4-Chloroaniline	ND	10	ug/L	3.0
Chlorobenzilate	ND	10	ug/L	2.0
4-Chloro-3-methylphenol	ND	10	ug/L	0.80
2-Chloronaphthalene	ND	10	ug/L	0.70
2-Chlorophenol	ND	10	ug/L	0.80
4-Chlorophenyl phenyl ether	ND	10	ug/L	0.60
Chrysene	ND	10	ug/L	0.80
Diallate	ND	20	ug/L	2.0
Dibenz(a,h)anthracene	ND	10	ug/L	0.90
Dibenzofuran	ND	10	ug/L	0.60
Di-n-butyl phthalate	ND	10	ug/L	0.80
3,3'-Dichlorobenzidine	ND	50	ug/L	8.0
2,4-Dichlorophenol	ND	10	ug/L	0.70
2,6-Dichlorophenol	ND	10	ug/L	2.0
Diethyl phthalate	ND	10	ug/L	0.70
Dimethoate	ND	20	ug/L	2.0

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WASTE MANAGEMENT INC.

Client Sample ID: 4926C

GC/MS Semivolatiles

Lot-Sample #...: D4B200189-001 **Work Order #...:** F9W381A5 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
4-Dimethylaminoazobenzene	ND	20	ug/L	2.0
7,12-Dimethylbenz(a)-anthracene	ND	20	ug/L	3.0
3,3'-Dimethylbenzidine	ND	20	ug/L	4.0
2,4-Dimethylphenol	ND	10	ug/L	4.0
Dimethyl phthalate	ND	10	ug/L	0.80
1,3-Dinitrobenzene	ND	10	ug/L	2.0
4,6-Dinitro-2-methylphenol	ND	50	ug/L	6.0
2,4-Dinitrophenol	ND	50	ug/L	6.0
2,4-Dinitrotoluene	ND	10	ug/L	1.0
2,6-Dinitrotoluene	ND	10	ug/L	0.80
Dinoseb	ND	10	ug/L	2.0
Di-n-octyl phthalate	ND	10	ug/L	1.0
Diphenylamine	ND	10	ug/L	2.0
Disulfoton	ND	50	ug/L	2.0
Ethyl methanesulfonate	ND	10	ug/L	2.0
Famphur	ND	200	ug/L	9.0
Fluoranthene	ND	10	ug/L	0.70
Fluorene	ND	10	ug/L	0.60
Hexachlorobenzene	ND	10	ug/L	0.80
Hexachlorobutadiene	ND	10	ug/L	1.0
Hexachlorocyclopenta-diene	ND	50	ug/L	5.0
Hexachloroethane	ND	10	ug/L	0.80
Hexachloropropene	ND	100	ug/L	1.0
Indeno(1,2,3-cd)pyrene	ND	10	ug/L	0.80
Isodrin	ND	10	ug/L	5.0
Isophorone	ND	10	ug/L	0.90
Isosafrole	ND	20	ug/L	3.0
Methapyrilene	ND	50	ug/L	20
3-Methylcholanthrene	ND	20	ug/L	1.0
Methyl methanesulfonate	ND	10	ug/L	2.0
2-Methylnaphthalene	ND	10	ug/L	0.80
Methyl parathion	ND	50	ug/L	2.0
2-Methylphenol	ND	10	ug/L	0.90
3-Methylphenol & 4-Methylphenol	ND	10	ug/L	0.80
Naphthalene	ND	10	ug/L	0.80
1,4-Naphthoquinone	ND	50	ug/L	2.0
1-Naphthylamine	ND	10	ug/L	1.0
2-Naphthylamine	ND	10	ug/L	1.0
2-Nitroaniline	ND	50	ug/L	0.90

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WASTE MANAGEMENT INC.

Client Sample ID: 4926C

GC/MS Semivolatiles

Lot-Sample #...: D4B200189-001 **Work Order #...:** F9W381A5 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
3-Nitroaniline	ND	50	ug/L	0.90
4-Nitroaniline	ND	50	ug/L	6.0
Nitrobenzene	ND	10	ug/L	2.0
2-Nitrophenol	ND	10	ug/L	0.80
4-Nitrophenol	ND	50	ug/L	7.0
N-Nitrosodi-n-butylamine	ND	10	ug/L	2.0
N-Nitrosodiethylamine	ND	10	ug/L	2.0
N-Nitrosodimethylamine	ND	10	ug/L	0.80
N-Nitrosodiphenylamine	ND	10	ug/L	1.0
N-Nitrosodi-n-propyl-amine	ND	10	ug/L	0.70
N-Nitrosomethylethylamine	ND	10	ug/L	2.0
N-Nitrosopiperidine	ND	10	ug/L	2.0
N-Nitrosopyrrolidine	ND	10	ug/L	2.0
5-Nitro-o-toluidine	ND	20	ug/L	2.0
2,2'-oxybis(1-Chloropropane)	ND	10	ug/L	0.70
Parathion	ND	50	ug/L	2.0
Pentachlorobenzene	ND	10	ug/L	2.0
Pentachloronitrobenzene	ND	50	ug/L	2.0
Pentachlorophenol	ND	50	ug/L	5.0
Phenacetin	ND	20	ug/L	2.0
Phenanthrene	ND	10	ug/L	0.70
Phenol	ND	10	ug/L	0.90
4-Phenylenediamine	ND	100	ug/L	5.0
Phorate	ND	50	ug/L	2.0
Pronamide	ND	20	ug/L	2.0
Pyrene	ND	10	ug/L	0.80
Safrole	ND	50	ug/L	2.0
1,2,4,5-Tetrachloro-benzene	ND	10	ug/L	2.0
2,3,4,6-Tetrachlorophenol	ND	50	ug/L	2.0
Thionazin	ND	10	ug/L	2.0
o-Toluidine	ND	10	ug/L	2.0
1,2,4-Trichloro-benzene	ND	10	ug/L	0.90
2,4,5-Trichloro-phenol	ND	10	ug/L	1.0
2,4,6-Trichloro-phenol	ND	10	ug/L	0.80
O,O,O-Triethylphosphoro-thioate	ND	50	ug/L	2.0
1,3,5-Trinitrobenzene	ND	50	ug/L	2.0

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WASTE MANAGEMENT INC.

Client Sample ID: 4926C

GC/MS Semivolatiles

Lot-Sample #...: D4B200189-001 **Work Order #...:** F9W381A5 **Matrix.....:** WATER

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	71	(32 - 116)
Phenol-d5	74	(40 - 111)
Nitrobenzene-d5	78	(53 - 107)
2-Fluorobiphenyl	39	(31 - 105)
2,4,6-Tribromophenol	67	(42 - 122)
Terphenyl-d14	68	(21 - 125)

WASTE MANAGEMENT INC.

Client Sample ID: 4926C (DUPLICATE)

GC/MS Semivolatiles

Lot-Sample #...: D4B200189-002 **Work Order #...:** F9W4R1AG **Matrix.....:** WATER
Date Sampled...: 02/19/04 09:35 **Date Received..:** 02/20/04
Prep Date.....: 02/22/04 **Analysis Date..:** 02/26/04
Prep Batch #...: 4053094 **Analysis Time..:** 17:22
Dilution Factor: 1

Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acenaphthene	ND	10	ug/L	0.60
Acenaphthylene	ND	10	ug/L	0.60
Acetophenone	ND	10	ug/L	2.0
2-Acetylaminofluorene	ND	100	ug/L	2.0
4-Aminobiphenyl	ND	50	ug/L	2.0
Anthracene	ND	10	ug/L	3.0
Benzo(a)anthracene	ND	10	ug/L	0.80
Benzo(b)fluoranthene	ND	10	ug/L	0.90
Benzo(k)fluoranthene	ND	10	ug/L	2.0
Benzo(ghi)perylene	ND	10	ug/L	1.0
Benzo(a)pyrene	ND	10	ug/L	0.80
Benzyl alcohol	ND	10	ug/L	1.0
bis(2-Chloroethoxy) methane	ND	10	ug/L	0.90
bis(2-Chloroethyl)-ether	ND	10	ug/L	3.0
bis(2-Ethylhexyl) phthalate	ND	10	ug/L	0.90
4-Bromophenyl phenyl ether	ND	10	ug/L	0.70
Butyl benzyl phthalate	ND	10	ug/L	1.0
4-Chloroaniline	ND	10	ug/L	3.0
Chlorobenzilate	ND	10	ug/L	2.0
4-Chloro-3-methylphenol	ND	10	ug/L	0.80
2-Chloronaphthalene	ND	10	ug/L	0.70
2-Chlorophenol	ND	10	ug/L	0.80
4-Chlorophenyl phenyl ether	ND	10	ug/L	0.60
Chrysene	ND	10	ug/L	0.80
Diallate	ND	20	ug/L	2.0
Dibenz(a,h)anthracene	ND	10	ug/L	0.90
Dibenzofuran	ND	10	ug/L	0.60
Di-n-butyl phthalate	ND	10	ug/L	0.80
3,3'-Dichlorobenzidine	ND	50	ug/L	8.0
2,4-Dichlorophenol	ND	10	ug/L	0.70
2,6-Dichlorophenol	ND	10	ug/L	2.0
Diethyl phthalate	ND	10	ug/L	0.70
Dimethoate	ND	20	ug/L	2.0

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WASTE MANAGEMENT INC.

Client Sample ID: 4926C (DUPLICATE)

GC/MS Semivolatiles

Lot-Sample #...: D4B200189-002 **Work Order #...:** F9W4R1AG **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
4-Dimethylaminoazobenzene	ND	20	ug/L	2.0
7,12-Dimethylbenz(a)-anthracene	ND	20	ug/L	3.0
3,3'-Dimethylbenzidine	ND	20	ug/L	4.0
2,4-Dimethylphenol	ND	10	ug/L	4.0
Dimethyl phthalate	ND	10	ug/L	0.80
1,3-Dinitrobenzene	ND	10	ug/L	2.0
4,6-Dinitro-2-methylphenol	ND	50	ug/L	6.0
2,4-Dinitrophenol	ND	50	ug/L	6.0
2,4-Dinitrotoluene	ND	10	ug/L	1.0
2,6-Dinitrotoluene	ND	10	ug/L	0.80
Dinoseb	ND	10	ug/L	2.0
Di-n-octyl phthalate	ND	10	ug/L	1.0
Diphenylamine	ND	10	ug/L	2.0
Disulfoton	ND	50	ug/L	2.0
Ethyl methanesulfonate	ND	10	ug/L	2.0
Famphur	ND	200	ug/L	9.0
Fluoranthene	ND	10	ug/L	0.70
Fluorene	ND	10	ug/L	0.60
Hexachlorobenzene	ND	10	ug/L	0.80
Hexachlorobutadiene	ND	10	ug/L	1.0
Hexachlorocyclopenta-diene	ND	50	ug/L	5.0
Hexachloroethane	ND	10	ug/L	0.80
Hexachloropropene	ND	100	ug/L	1.0
Indeno(1,2,3-cd)pyrene	ND	10	ug/L	0.80
Isodrin	ND	10	ug/L	5.0
Isophorone	ND	10	ug/L	0.90
Isosafrole	ND	20	ug/L	3.0
Methapyrilene	ND	50	ug/L	20
3-Methylcholanthrene	ND	20	ug/L	1.0
Methyl methanesulfonate	ND	10	ug/L	2.0
2-Methylnaphthalene	ND	10	ug/L	0.80
Methyl parathion	ND	50	ug/L	2.0
2-Methylphenol	ND	10	ug/L	0.90
3-Methylphenol & 4-Methylphenol	ND	10	ug/L	0.80
Naphthalene	ND	10	ug/L	0.80
1,4-Naphthoquinone	ND	50	ug/L	2.0
1-Naphthylamine	ND	10	ug/L	1.0
2-Naphthylamine	ND	10	ug/L	1.0
2-Nitroaniline	ND	50	ug/L	0.90

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WASTE MANAGEMENT INC.

Client Sample ID: 4926C (DUPLICATE)

GC/MS Semivolatiles

Lot-Sample #...: D4B200189-002 **Work Order #...:** F9W4R1AG **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
3-Nitroaniline	ND	50	ug/L	0.90
4-Nitroaniline	ND	50	ug/L	6.0
Nitrobenzene	ND	10	ug/L	2.0
2-Nitrophenol	ND	10	ug/L	0.80
4-Nitrophenol	ND	50	ug/L	7.0
N-Nitrosodi-n-butylamine	ND	10	ug/L	2.0
N-Nitrosodiethylamine	ND	10	ug/L	2.0
N-Nitrosodimethylamine	ND	10	ug/L	0.80
N-Nitrosodiphenylamine	ND	10	ug/L	1.0
N-Nitrosodi-n-propyl-amine	ND	10	ug/L	0.70
N-Nitrosomethylethylamine	ND	10	ug/L	2.0
N-Nitrosopiperidine	ND	10	ug/L	2.0
N-Nitrosopyrrolidine	ND	10	ug/L	2.0
5-Nitro-o-toluidine	ND	20	ug/L	2.0
2,2'-oxybis(1-Chloropropane)	ND	10	ug/L	0.70
Parathion	ND	50	ug/L	2.0
Pentachlorobenzene	ND	10	ug/L	2.0
Pentachloronitrobenzene	ND	50	ug/L	2.0
Pentachlorophenol	ND	50	ug/L	5.0
Phenacetin	ND	20	ug/L	2.0
Phenanthrene	ND	10	ug/L	0.70
Phenol	ND	10	ug/L	0.90
4-Phenylenediamine	ND	100	ug/L	5.0
Phorate	ND	50	ug/L	2.0
Pronamide	ND	20	ug/L	2.0
Pyrene	ND	10	ug/L	0.80
Safrole	ND	50	ug/L	2.0
1,2,4,5-Tetrachloro-benzene	ND	10	ug/L	2.0
2,3,4,6-Tetrachlorophenol	ND	50	ug/L	2.0
Thionazin	ND	10	ug/L	2.0
o-Toluidine	ND	10	ug/L	2.0
1,2,4-Trichloro-benzene	ND	10	ug/L	0.90
2,4,5-Trichloro-phenol	ND	10	ug/L	1.0
2,4,6-Trichloro-phenol	ND	10	ug/L	0.80
O,O,O-Triethylphosphoro-thioate	ND	50	ug/L	2.0
1,3,5-Trinitrobenzene	ND	50	ug/L	2.0

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WASTE MANAGEMENT INC.

Client Sample ID: 4926C (DUPLICATE)

GC/MS Semivolatiles

Lot-Sample #...: D4B200189-002 **Work Order #...:** F9W4R1AG **Matrix.....:** WATER

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	67	(32 - 116)
Phenol-d5	70	(40 - 111)
Nitrobenzene-d5	75	(53 - 107)
2-Fluorobiphenyl	41	(31 - 105)
2,4,6-Tribromophenol	64	(42 - 122)
Terphenyl-d14	67	(21 - 125)

WASTE MANAGEMENT INC.

Client Sample ID: 4926C

TOTAL Metals

Lot-Sample #...: D4B200189-001 **Matrix.....:** WATER
Date Sampled...: 02/19/04 09:05 **Date Received..:** 02/20/04

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 4054209						
Mercury	ND	0.20	ug/L	SW846 7470A	03/01-03/02/04	F9W381CL
		Dilution Factor: 1		Analysis Time..: 14:31	MDL.....: 0.054	
Prep Batch #...: 4055627						
Manganese	**860**	**10**	**ug/L**	**SW846 6010B**	**02/25-03/02/04**	**F9W381AH**
		Dilution Factor: 1		Analysis Time..: 09:09	MDL.....: 0.54	
Barium	**93 B**	**100**	**ug/L**	**SW846 6010B**	**02/25-03/02/04**	**F9W381AJ**
		Dilution Factor: 1		Analysis Time..: 09:09	MDL.....: 0.37	
Potassium	**4000 B**	**5000**	**ug/L**	**SW846 6010B**	**02/25-03/07/04**	**F9W381AR**
		Dilution Factor: 1		Analysis Time..: 03:48	MDL.....: 460	
Silver	ND	10	ug/L	SW846 6010B	02/25-03/02/04	F9W381A8
		Dilution Factor: 1		Analysis Time..: 09:09	MDL.....: 0.70	
Arsenic	ND	10	ug/L	SW846 6010B	02/25-03/02/04	F9W381A9
		Dilution Factor: 1		Analysis Time..: 09:09	MDL.....: 4.9	
Cadmium	ND	5.0	ug/L	SW846 6010B	02/25-03/02/04	F9W381CA
		Dilution Factor: 1		Analysis Time..: 09:09	MDL.....: 0.27	
Cobalt	**1.5 B,J**	**10**	**ug/L**	**SW846 6010B**	**02/25-03/02/04**	**F9W381CC**
		Dilution Factor: 1		Analysis Time..: 09:09	MDL.....: 0.67	
Chromium	ND	10	ug/L	SW846 6010B	02/25-03/02/04	F9W381CD
		Dilution Factor: 1		Analysis Time..: 09:09	MDL.....: 2.1	
Copper	**1.5 B,J**	**10**	**ug/L**	**SW846 6010B**	**02/25-03/02/04**	**F9W381CE**
		Dilution Factor: 1		Analysis Time..: 09:09	MDL.....: 0.97	
Nickel	ND	40	ug/L	SW846 6010B	02/25-03/02/04	F9W381CF
		Dilution Factor: 1		Analysis Time..: 09:09	MDL.....: 4.2	
Lead	ND	3.0	ug/L	SW846 6010B	02/25-03/03/04	F9W381CG
		Dilution Factor: 1		Analysis Time..: 00:11	MDL.....: 2.1	
Antimony	ND	10	ug/L	SW846 6010B	02/25-03/02/04	F9W381CH
		Dilution Factor: 1		Analysis Time..: 09:09	MDL.....: 3.6	

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WASTE MANAGEMENT INC.

Client Sample ID: 4926C

TOTAL Metals

Lot-Sample #...: D4B200189-001 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Selenium	ND	5.0	ug/L	SW846 6010B	02/25-03/02/04	F9W381CJ
		Dilution Factor: 1		Analysis Time..: 09:09	MDL.....: 4.6	
Zinc	ND	20	ug/L	SW846 6010B	02/25-03/02/04	F9W381CK
		Dilution Factor: 1		Analysis Time..: 09:09	MDL.....: 7.1	
Beryllium	ND	5.0	ug/L	SW846 6010B	02/25-03/07/04	F9W381CM
		Dilution Factor: 1		Analysis Time..: 03:48	MDL.....: 0.41	
Boron	**170**	**100**	**ug/L**	**SW846 6010B**	**02/25-03/07/04**	**F9W381CN**
		Dilution Factor: 1		Analysis Time..: 03:48	MDL.....: 8.3	

NOTE(S):

B Estimated result. Result is less than RL.

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

WASTE MANAGEMENT INC.

Client Sample ID: 4926C

DISSOLVED Metals

Lot-Sample #...: D4B200189-001 **Matrix.....:** WATER
Date Sampled...: 02/19/04 09:05 **Date Received..:** 02/20/04

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 4055631						
Calcium	**56000 J**	**200**	**ug/L**	**SW846 6010B**	**02/26-03/07/04**	**F9W381AU**
		Dilution Factor: 1		Analysis Time..: 04:53	MDL.....: 76	
Magnesium	**15000**	**200**	**ug/L**	**SW846 6010B**	**02/26-03/07/04**	**F9W381AV**
		Dilution Factor: 1		Analysis Time..: 04:53	MDL.....: 27	
Sodium	**22000**	**5000**	**ug/L**	**SW846 6010B**	**02/26-03/07/04**	**F9W381AW**
		Dilution Factor: 1		Analysis Time..: 04:53	MDL.....: 1100	
Potassium	**4100 B,L**	**5000**	**ug/L**	**SW846 6010B**	**02/26-03/07/04**	**F9W381AX**
		Dilution Factor: 1		Analysis Time..: 04:53	MDL.....: 460	
Iron	ND	100	ug/L	SW846 6010B	02/26-03/08/04	F9W381A2
		Dilution Factor: 1		Analysis Time..: 20:12	MDL.....: 19	

NOTE(S):

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

B Estimated result. Result is less than RL.

L Serial dilution of a digestate in the analytical batch indicates that physical and chemical interferences are present.

WASTE MANAGEMENT INC.

Client Sample ID: 4926C (DUPLICATE)

TOTAL Metals

Lot-Sample #...: D4B200189-002 **Matrix.....:** WATER
Date Sampled...: 02/19/04 09:35 **Date Received..:** 02/20/04

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 4054209						
Mercury	ND	0.20	ug/L	SW846 7470A	03/01-03/02/04	F9W4R1CL
		Dilution Factor: 1		Analysis Time..: 14:33	MDL.....: 0.054	
Prep Batch #...: 4055627						
Manganese	**890**	**10**	**ug/L**	**SW846 6010B**	**02/25-03/02/04**	**F9W4R1AU**
		Dilution Factor: 1		Analysis Time..: 09:13	MDL.....: 0.54	
Barium	**95 B**	**100**	**ug/L**	**SW846 6010B**	**02/25-03/02/04**	**F9W4R1AV**
		Dilution Factor: 1		Analysis Time..: 09:13	MDL.....: 0.37	
Potassium	**4000 B**	**5000**	**ug/L**	**SW846 6010B**	**02/25-03/07/04**	**F9W4R1A4**
		Dilution Factor: 1		Analysis Time..: 03:52	MDL.....: 460	
Silver	**0.93 B,J**	**10**	**ug/L**	**SW846 6010B**	**02/25-03/02/04**	**F9W4R1AK**
		Dilution Factor: 1		Analysis Time..: 09:13	MDL.....: 0.70	
Arsenic	ND	10	ug/L	SW846 6010B	02/25-03/02/04	F9W4R1AL
		Dilution Factor: 1		Analysis Time..: 09:13	MDL.....: 4.9	
Cadmium	ND	5.0	ug/L	SW846 6010B	02/25-03/02/04	F9W4R1CA
		Dilution Factor: 1		Analysis Time..: 09:13	MDL.....: 0.27	
Cobalt	**0.86 B,J**	**10**	**ug/L**	**SW846 6010B**	**02/25-03/02/04**	**F9W4R1CC**
		Dilution Factor: 1		Analysis Time..: 09:13	MDL.....: 0.67	
Chromium	ND	10	ug/L	SW846 6010B	02/25-03/02/04	F9W4R1CD
		Dilution Factor: 1		Analysis Time..: 09:13	MDL.....: 2.1	
Copper	**1.5 B,J**	**10**	**ug/L**	**SW846 6010B**	**02/25-03/02/04**	**F9W4R1CE**
		Dilution Factor: 1		Analysis Time..: 09:13	MDL.....: 0.97	
Nickel	ND	40	ug/L	SW846 6010B	02/25-03/02/04	F9W4R1CF
		Dilution Factor: 1		Analysis Time..: 09:13	MDL.....: 4.2	
Lead	ND	3.0	ug/L	SW846 6010B	02/25-03/03/04	F9W4R1CG
		Dilution Factor: 1		Analysis Time..: 00:16	MDL.....: 2.1	
Antimony	ND	10	ug/L	SW846 6010B	02/25-03/02/04	F9W4R1CH
		Dilution Factor: 1		Analysis Time..: 09:13	MDL.....: 3.6	

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WASTE MANAGEMENT INC.

Client Sample ID: 4926C (DUPLICATE)

TOTAL Metals

Lot-Sample #...: D4B200189-002 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Selenium	ND	5.0	ug/L	SW846 6010B	02/25-03/02/04	F9W4R1CJ
		Dilution Factor: 1		Analysis Time..: 09:13	MDL.....: 4.6	
Zinc	ND	20	ug/L	SW846 6010B	02/25-03/02/04	F9W4R1CK
		Dilution Factor: 1		Analysis Time..: 09:13	MDL.....: 7.1	
Beryllium	ND	5.0	ug/L	SW846 6010B	02/25-03/07/04	F9W4R1CM
		Dilution Factor: 1		Analysis Time..: 03:52	MDL.....: 0.41	
Boron	**170**	**100**	**ug/L**	**SW846 6010B**	**02/25-03/07/04**	**F9W4R1CN**
		Dilution Factor: 1		Analysis Time..: 03:52	MDL.....: 8.3	

NOTE(S):

B Estimated result. Result is less than RL.

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

WASTE MANAGEMENT INC.

Client Sample ID: 4926C (DUPLICATE)

DISSOLVED Metals

Lot-Sample #...: D4B200189-002 **Matrix.....:** WATER
Date Sampled...: 02/19/04 09:35 **Date Received..:** 02/20/04

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 4055631						
Calcium	**59000 J**	**200**	**ug/L**	**SW846 6010B**	**02/26-03/07/04**	**F9W4R1A6**
		Dilution Factor: 1		Analysis Time..: 04:58	MDL.....: 76	
Magnesium	**16000**	**200**	**ug/L**	**SW846 6010B**	**02/26-03/07/04**	**F9W4R1A7**
		Dilution Factor: 1		Analysis Time..: 04:58	MDL.....: 27	
Sodium	**25000**	**5000**	**ug/L**	**SW846 6010B**	**02/26-03/07/04**	**F9W4R1A8**
		Dilution Factor: 1		Analysis Time..: 04:58	MDL.....: 1100	
Potassium	**4300 B,L**	**5000**	**ug/L**	**SW846 6010B**	**02/26-03/07/04**	**F9W4R1A9**
		Dilution Factor: 1		Analysis Time..: 04:58	MDL.....: 460	
Iron	ND	100	ug/L	SW846 6010B	02/26-03/08/04	F9W4R1AD
		Dilution Factor: 1		Analysis Time..: 20:17	MDL.....: 19	

NOTE(S):

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

B Estimated result. Result is less than RL.

L Serial dilution of a digestate in the analytical batch indicates that physical and chemical interferences are present.

WASTE MANAGEMENT INC.

Client Sample ID: 4926C

General Chemistry

Lot-Sample #...: D4B200189-001 **Work Order #...:** F9W38 **Matrix.....:** WATER
Date Sampled...: 02/19/04 09:05 **Date Received..:** 02/20/04

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Bicarbonate Alkalinity	**180**	**5.0**	**mg/L**	**MCAWW 310.1**	**02/26/04**	**4058303**
		Dilution Factor: 1		Analysis Time..: 19:00	MDL.....: 1.5	
Biochemical Oxygen Demand (BOD)	ND G	10	mg/L	MCAWW 405.1	02/20/04	4051571
		Dilution Factor: 5		Analysis Time..: 12:00	MDL.....: 1.6	
Carbonate Alkalinity	ND	5.0	mg/L	MCAWW 310.1	02/26/04	4058304
		Dilution Factor: 1		Analysis Time..: 19:00	MDL.....: 1.5	
Chemical Oxygen Demand (COD)	ND	8.0	mg/L	MCAWW 410.4	03/02/04	4064298
		Dilution Factor: 1		Analysis Time..: 16:15	MDL.....: 2.9	
Chloride	**27**	**3.0**	**mg/L**	**MCAWW 300.0A**	**02/20/04**	**4054498**
		Dilution Factor: 1		Analysis Time..: 17:00	MDL.....: 0.20	
Cyanide, Total	ND	0.010	mg/L	SW846 9012A	03/02/04	4063360
		Dilution Factor: 1		Analysis Time..: 15:00	MDL.....: 0.0028	
Fluoride	**0.47 B**	**1.0**	**mg/L**	**MCAWW 300.0A**	**02/20/04**	**4054499**
		Dilution Factor: 1		Analysis Time..: 17:00	MDL.....: 0.10	
Nitrate	**0.060 B**	**0.50**	**mg/L**	**MCAWW 300.0A**	**02/20/04**	**4054500**
		Dilution Factor: 1		Analysis Time..: 17:00	MDL.....: 0.050	
Specific Conductance	**550 J**	**2.0**	**umhos/cm**	**MCAWW 120.1**	**02/24/04**	**4058241**
		Dilution Factor: 1		Analysis Time..: 17:00	MDL.....:	
Sulfate	**53 Q**	**25**	**mg/L**	**MCAWW 300.0A**	**02/20/04**	**4054502**
		Dilution Factor: 5		Analysis Time..: 17:16	MDL.....: 1.0	
Total Alkalinity	**180**	**5.0**	**mg/L**	**MCAWW 310.1**	**02/26/04**	**4058302**
		Dilution Factor: 1		Analysis Time..: 19:00	MDL.....: 1.5	
Total Dissolved Solids	**310**	**10**	**mg/L**	**MCAWW 160.1**	**02/24/04**	**4055518**
		Dilution Factor: 1		Analysis Time..: 14:00	MDL.....: 3.0	
Total Organic Carbon	ND	1.0	mg/L	MCAWW 415.1	03/03/04	4064488
		Dilution Factor: 1		Analysis Time..: 22:00	MDL.....: 0.50	

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WASTE MANAGEMENT INC.

Client Sample ID: 4926C

General Chemistry

Lot-Sample #...: D4B200189-001 **Work Order #...:** F9W38 **Matrix.....:** WATER

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon 2	ND	1.0	mg/L	MCAWW 415.1	03/03/04	4064488
		Dilution Factor: 1		Analysis Time..: 22:00	MDL.....: 0.50	
Total Organic Halogens	ND	30	ug/L	SW846 9020B	03/04/04	4065520
		Dilution Factor: 1		Analysis Time..: 12:00	MDL.....: 4.8	
Total Organic Halogens 2	ND	30	ug/L	SW846 9020B	03/04/04	4065520
		Dilution Factor: 1		Analysis Time..: 12:00	MDL.....: 4.8	
Total Sulfide	ND	4.0	mg/L	SW846 9030B/9034	02/26/04	4058198
		Dilution Factor: 1		Analysis Time..: 13:00	MDL.....: 0.26	

NOTE(S):

RL Reporting Limit

G Elevated reporting limit. The reporting limit is elevated due to matrix interference.

B Estimated result. Result is less than RL.

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

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

WASTE MANAGEMENT INC.

Client Sample ID: 4926C (DUPLICATE)

General Chemistry

Lot-Sample #...: D4B200189-002 **Work Order #...:** F9W4R **Matrix.....:** WATER
Date Sampled...: 02/19/04 09:35 **Date Received..:** 02/20/04

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Bicarbonate Alkalinity	**180**	**5.0**	**mg/L**	**MCAWW 310.1**	**02/26/04**	**4058303**
		Dilution Factor: 1		Analysis Time..: 19:00	MDL.....: 1.5	
Biochemical Oxygen Demand (BOD)	ND G	10	mg/L	MCAWW 405.1	02/20/04	4051571
		Dilution Factor: 5		Analysis Time..: 12:00	MDL.....: 1.6	
Carbonate Alkalinity	ND	5.0	mg/L	MCAWW 310.1	02/26/04	4058304
		Dilution Factor: 1		Analysis Time..: 19:00	MDL.....: 1.5	
Chemical Oxygen Demand (COD)	ND	8.0	mg/L	MCAWW 410.4	03/02/04	4064298
		Dilution Factor: 1		Analysis Time..: 16:15	MDL.....: 2.9	
Chloride	**27**	**3.0**	**mg/L**	**MCAWW 300.0A**	**02/20/04**	**4054498**
		Dilution Factor: 1		Analysis Time..: 00:00	MDL.....: 0.20	
Cyanide, Total	ND	0.010	mg/L	SW846 9012A	03/02/04	4063360
		Dilution Factor: 1		Analysis Time..: 15:00	MDL.....: 0.0028	
Fluoride	**0.50 B**	**1.0**	**mg/L**	**MCAWW 300.0A**	**02/20/04**	**4054499**
		Dilution Factor: 1		Analysis Time..: 17:31	MDL.....: 0.10	
Nitrate	**0.080 B**	**0.50**	**mg/L**	**MCAWW 300.0A**	**02/20/04**	**4054500**
		Dilution Factor: 1		Analysis Time..: 17:31	MDL.....: 0.050	
Specific Conductance	**550 J**	**2.0**	**umhos/cm**	**MCAWW 120.1**	**02/24/04**	**4058241**
		Dilution Factor: 1		Analysis Time..: 17:00	MDL.....:	
Sulfate	**53 Q**	**25**	**mg/L**	**MCAWW 300.0A**	**02/20/04**	**4054502**
		Dilution Factor: 5		Analysis Time..: 18:49	MDL.....: 1.0	
Total Alkalinity	**180**	**5.0**	**mg/L**	**MCAWW 310.1**	**02/26/04**	**4058302**
		Dilution Factor: 1		Analysis Time..: 19:00	MDL.....: 1.5	
Total Dissolved Solids	**310**	**10**	**mg/L**	**MCAWW 160.1**	**02/24/04**	**4055518**
		Dilution Factor: 1		Analysis Time..: 14:00	MDL.....: 3.0	

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WASTE MANAGEMENT INC.

Client Sample ID: 4926C (DUPLICATE)

General Chemistry

Lot-Sample #...: D4B200189-002 **Work Order #...:** F9W4R **Matrix.....:** WATER

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon	**0.61 B**	**1.0**	**mg/L**	**MCAWW 415.1**	**03/03/04**	**4064488**
		Dilution Factor: 1		Analysis Time..: 22:00	MDL.....: 0.50	
Total Organic Carbon 2	**0.59 B**	**1.0**	**mg/L**	**MCAWW 415.1**	**03/03/04**	**4064488**
		Dilution Factor: 1		Analysis Time..: 22:00	MDL.....: 0.50	
Total Organic Halogens	ND	30	ug/L	SW846 9020B	03/04/04	4065520
		Dilution Factor: 1		Analysis Time..: 12:00	MDL.....: 4.8	
Total Organic Halogens 2	ND	30	ug/L	SW846 9020B	03/04/04	4065520
		Dilution Factor: 1		Analysis Time..: 12:00	MDL.....: 4.8	
Total Sulfide	ND	4.0	mg/L	SW846 9030B/9034	02/26/04	4058198
		Dilution Factor: 1		Analysis Time..: 13:00	MDL.....: 0.26	

NOTE(S):

RL Reporting Limit

G Elevated reporting limit. The reporting limit is elevated due to matrix interference.

B Estimated result. Result is less than RL.

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

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

QC DATA ASSOCIATION SUMMARY

D4B200189

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	WATER	MCAWW 120.1		4058241	4058115
	WATER	MCAWW 160.1		4055518	4063110
	WATER	MCAWW 310.1		4058304	
	WATER	MCAWW 405.1		4051571	4057085
	WATER	MCAWW 300.0A		4054498	4056251
	WATER	MCAWW 300.0A		4054502	4056257
	WATER	MCAWW 300.0A		4054499	4056248
	WATER	MCAWW 300.0A		4054500	4056254
	WATER	MCAWW 415.1		4064488	4064208
	WATER	SW846 9020B		4065520	4069186
	WATER	SW846 7470A		4054209	4054093
	WATER	SW846 8260B		4064601	4064287
	WATER	SW846 8270C		4053094	
	WATER	SW846 6010B		4055627	4055283
	WATER	SW846 6010B		4055631	4055287
	WATER	SW846 9012A		4063360	4063189
	WATER	SW846 9030B/9034		4058198	
	WATER	MCAWW 310.1		4058303	
	WATER	MCAWW 310.1		4058302	4058149
	WATER	MCAWW 410.4		4064298	4064110
002	WATER	MCAWW 120.1		4058241	4058115
	WATER	MCAWW 160.1		4055518	4063110
	WATER	MCAWW 310.1		4058304	
	WATER	MCAWW 405.1		4051571	4057085
	WATER	MCAWW 300.0A		4054498	4056251
	WATER	MCAWW 300.0A		4054502	4056257
	WATER	MCAWW 300.0A		4054499	4056248
	WATER	MCAWW 300.0A		4054500	4056254
	WATER	MCAWW 415.1		4064488	4064208
	WATER	SW846 9020B		4065520	4069186
	WATER	SW846 7470A		4054209	4054093
	WATER	SW846 8260B		4064601	4064287
	WATER	SW846 8270C		4053094	
	WATER	SW846 6010B		4055627	4055283
	WATER	SW846 6010B		4055631	4055287
	WATER	SW846 9012A		4063360	4063189
	WATER	SW846 9030B/9034		4058198	
	WATER	MCAWW 310.1		4058303	
	WATER	MCAWW 310.1		4058302	4058149
	WATER	MCAWW 410.4		4064298	4064110

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QC DATA ASSOCIATION SUMMARY

D4B200189

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
003	WATER	SW846 8260B		4064601	4064287

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: D4B200189 **Work Order #...:** GAM8W1AA **Matrix.....:** WATER
MB Lot-Sample #: D4C040000-601

Prep Date.....: 03/03/04 **Analysis Time..:** 21:01
Analysis Date..: 03/03/04 **Prep Batch #...:** 4064601
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Acetone	ND	34	ug/L	SW846 8260B
Acrylonitrile	ND	100	ug/L	SW846 8260B
Benzene	ND	1.0	ug/L	SW846 8260B
Bromochloromethane	ND	10	ug/L	SW846 8260B
Bromodichloromethane	ND	5.0	ug/L	SW846 8260B
Bromoform	ND	5.0	ug/L	SW846 8260B
Bromomethane	ND	10	ug/L	SW846 8260B
Carbon disulfide	ND	5.0	ug/L	SW846 8260B
Carbon tetrachloride	ND	0.50	ug/L	SW846 8260B
Chlorobenzene	ND	5.0	ug/L	SW846 8260B
Dibromochloromethane	ND	5.0	ug/L	SW846 8260B
Chloroethane	ND	10	ug/L	SW846 8260B
Chloroform	ND	5.0	ug/L	SW846 8260B
Chloromethane	ND	10	ug/L	SW846 8260B
Dibromomethane	ND	10	ug/L	SW846 8260B
1,2-Dichlorobenzene	ND	10	ug/L	SW846 8260B
1,4-Dichlorobenzene	ND	10	ug/L	SW846 8260B
trans-1,4-Dichloro-2-butene	ND	10	ug/L	SW846 8260B
Dichlorodifluoromethane	ND	10	ug/L	SW846 8260B
1,1-Dichloroethane	ND	5.0	ug/L	SW846 8260B
1,2-Dichloroethane	ND	5.0	ug/L	SW846 8260B
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260B
cis-1,2-Dichloroethene	ND	10	ug/L	SW846 8260B
trans-1,2-Dichloroethene	ND	10	ug/L	SW846 8260B
1,2-Dichloropropane	ND	5.0	ug/L	SW846 8260B
cis-1,3-Dichloropropene	ND	5.0	ug/L	SW846 8260B
trans-1,3-Dichloropropene	ND	5.0	ug/L	SW846 8260B
Ethylbenzene	ND	5.0	ug/L	SW846 8260B
Trichlorofluoromethane	ND	10	ug/L	SW846 8260B
2-Hexanone	ND	5.0	ug/L	SW846 8260B
Iodomethane	ND	10	ug/L	SW846 8260B
Methylene chloride	**0.35 J**	**5.0**	**ug/L**	**SW846 8260B**
4-Methyl-2-pentanone	ND	10	ug/L	SW846 8260B
Styrene	ND	5.0	ug/L	SW846 8260B
1,1,1,2-Tetrachloroethane	ND	5.0	ug/L	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	5.0	ug/L	SW846 8260B
Tetrachloroethene	ND	5.0	ug/L	SW846 8260B
Toluene	ND	1.0	ug/L	SW846 8260B
1,1,1-Trichloroethane	ND	5.0	ug/L	SW846 8260B
1,1,2-Trichloroethane	ND	5.0	ug/L	SW846 8260B

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METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: D4B200189 **Work Order #...:** GAM8W1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Trichloroethene	ND	5.0	ug/L	SW846 8260B
1,2,3-Trichloropropane	ND	10	ug/L	SW846 8260B
Vinyl acetate	ND	10	ug/L	SW846 8260B
Vinyl chloride	ND	1.0	ug/L	SW846 8260B
Xylenes (total)	ND	10	ug/L	SW846 8260B
2-Butanone (MEK)	ND	10	ug/L	SW846 8260B
1,2-Dibromo-3-chloropropane (DBCP)	ND	10	ug/L	SW846 8260B
1,2-Dibromoethane (EDB)	ND	1.0	ug/L	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	84	(76 - 116)
1,2-Dichloroethane-d4	76	(59 - 129)
4-Bromofluorobenzene	96	(74 - 114)
Toluene-d8	89	(76 - 116)

NOTE(S):

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

J Estimated result. Result is less than RL.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: D4B200189 **Work Order #...:** GAM8W1AC **Matrix.....:** WATER
LCS Lot-Sample#: D4C040000-601
Prep Date.....: 03/03/04 **Analysis Date..:** 03/03/04
Prep Batch #...: 4064601 **Analysis Time..:** 20:41
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
1,1-Dichloroethene	**79**	**(67 - 125)**	**SW846 8260B**
Benzene	**96**	**(75 - 116)**	**SW846 8260B**
Chlorobenzene	**106**	**(77 - 117)**	**SW846 8260B**
Toluene	**98**	**(74 - 115)**	**SW846 8260B**
Trichloroethene	**105**	**(80 - 123)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	86	(76 - 116)
1,2-Dichloroethane-d4	77	(59 - 129)
4-Bromofluorobenzene	95	(74 - 114)
Toluene-d8	91	(76 - 116)

NOTE(S):

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: D4B200189 **Work Order #...:** GAM8W1AC **Matrix.....:** WATER
LCS Lot-Sample#: D4C040000-601
Prep Date.....: 03/03/04 **Analysis Date..:** 03/03/04
Prep Batch #...: 4064601 **Analysis Time..:** 20:41
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
1,1-Dichloroethene	**10.0**	**7.88**	**ug/L**	**79**	**SW846 8260B**
Benzene	**10.0**	**9.59**	**ug/L**	**96**	**SW846 8260B**
Chlorobenzene	**10.0**	**10.6**	**ug/L**	**106**	**SW846 8260B**
Toluene	**10.0**	**9.85**	**ug/L**	**98**	**SW846 8260B**
Trichloroethene	**10.0**	**10.5**	**ug/L**	**105**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	86	(76 - 116)
1,2-Dichloroethane-d4	77	(59 - 129)
4-Bromofluorobenzene	95	(74 - 114)
Toluene-d8	91	(76 - 116)

NOTE(S):

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

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: D4B200189 **Work Order #...:** F9W321A4-MS **Matrix.....:** WATER
MS Lot-Sample #: D4B200187-001 F9W321A5-MSD
Date Sampled...: 02/19/04 09:20 **Date Received..:** 02/20/04
Prep Date.....: 03/03/04 **Analysis Date..:** 03/03/04
Prep Batch #...: 4064601 **Analysis Time..:** 23:27
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	**79**	**(67 - 125)**			**SW846 8260B**
	74	**(67 - 125)**	**6.6**	**(0-20)**	**SW846 8260B**
Benzene	**95**	**(75 - 116)**			**SW846 8260B**
	92	**(75 - 116)**	**3.6**	**(0-20)**	**SW846 8260B**
Chlorobenzene	**103**	**(77 - 117)**			**SW846 8260B**
	101	**(77 - 117)**	**2.3**	**(0-20)**	**SW846 8260B**
Toluene	**97**	**(74 - 115)**			**SW846 8260B**
	94	**(74 - 115)**	**3.2**	**(0-20)**	**SW846 8260B**
Trichloroethene	**105**	**(80 - 123)**			**SW846 8260B**
	99	**(80 - 123)**	**6.5**	**(0-20)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	82	(76 - 116)
	83	(76 - 116)
1,2-Dichloroethane-d4	76	(59 - 129)
	76	(59 - 129)
4-Bromofluorobenzene	91	(74 - 114)
	92	(74 - 114)
Toluene-d8	86	(76 - 116)
	88	(76 - 116)

NOTE(S):

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

Bold print denotes control parameters

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: D4B200189 **Work Order #...:** F9W321A4-MS **Matrix.....:** WATER
MS Lot-Sample #: D4B200187-001 F9W321A5-MSD
Date Sampled...: 02/19/04 09:20 **Date Received..:** 02/20/04
Prep Date.....: 03/03/04 **Analysis Date..:** 03/03/04
Prep Batch #...: 4064601 **Analysis Time..:** 23:27
Dilution Factor: 1

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
1,1-Dichloroethene	**ND**	**10.0**	**7.89**	**ug/L**	**79**		**SW846 8260B**
	ND	**10.0**	**7.39**	**ug/L**	**74**	**6.6**	**SW846 8260B**
Benzene	**ND**	**10.0**	**9.49**	**ug/L**	**95**		**SW846 8260B**
	ND	**10.0**	**9.16**	**ug/L**	**92**	**3.6**	**SW846 8260B**
Chlorobenzene	**ND**	**10.0**	**10.3**	**ug/L**	**103**		**SW846 8260B**
	ND	**10.0**	**10.1**	**ug/L**	**101**	**2.3**	**SW846 8260B**
Toluene	**ND**	**10.0**	**9.67**	**ug/L**	**97**		**SW846 8260B**
	ND	**10.0**	**9.37**	**ug/L**	**94**	**3.2**	**SW846 8260B**
Trichloroethene	**ND**	**10.0**	**10.5**	**ug/L**	**105**		**SW846 8260B**
	ND	**10.0**	**9.85**	**ug/L**	**99**	**6.5**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	82	(76 - 116)
	83	(76 - 116)
1,2-Dichloroethane-d4	76	(59 - 129)
	76	(59 - 129)
4-Bromofluorobenzene	91	(74 - 114)
	92	(74 - 114)
Toluene-d8	86	(76 - 116)
	88	(76 - 116)

NOTE(S):

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

Bold print denotes control parameters

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: D4B200189 **Work Order #...:** F910F1AA **Matrix.....:** WATER
MB Lot-Sample #: D4B220000-094

Prep Date.....: 02/22/04 **Analysis Time..:** 12:07
Analysis Date..: 02/25/04 **Prep Batch #...:** 4053094
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Acenaphthene	ND	10	ug/L	SW846 8270C
Acenaphthylene	ND	10	ug/L	SW846 8270C
Acetophenone	ND	10	ug/L	SW846 8270C
2-Acetylaminofluorene	ND	100	ug/L	SW846 8270C
4-Aminobiphenyl	ND	50	ug/L	SW846 8270C
Anthracene	ND	10	ug/L	SW846 8270C
Benzo(a)anthracene	ND	10	ug/L	SW846 8270C
Benzo(b)fluoranthene	ND	10	ug/L	SW846 8270C
Benzo(k)fluoranthene	ND	10	ug/L	SW846 8270C
Benzo(ghi)perylene	ND	10	ug/L	SW846 8270C
Benzo(a)pyrene	ND	10	ug/L	SW846 8270C
Benzyl alcohol	ND	10	ug/L	SW846 8270C
bis(2-Chloroethoxy) methane	ND	10	ug/L	SW846 8270C
bis(2-Chloroethyl)-ether	ND	10	ug/L	SW846 8270C
bis(2-Ethylhexyl) phthalate	ND	10	ug/L	SW846 8270C
4-Bromophenyl phenyl ether	ND	10	ug/L	SW846 8270C
Butyl benzyl phthalate	ND	10	ug/L	SW846 8270C
4-Chloroaniline	ND	10	ug/L	SW846 8270C
Chlorobenzilate	ND	10	ug/L	SW846 8270C
4-Chloro-3-methylphenol	ND	10	ug/L	SW846 8270C
2-Chloronaphthalene	ND	10	ug/L	SW846 8270C
2-Chlorophenol	ND	10	ug/L	SW846 8270C
4-Chlorophenyl phenyl ether	ND	10	ug/L	SW846 8270C
Chrysene	ND	10	ug/L	SW846 8270C
Diallate	ND	20	ug/L	SW846 8270C
Dibenz(a,h)anthracene	ND	10	ug/L	SW846 8270C
Dibenzofuran	ND	10	ug/L	SW846 8270C
Di-n-butyl phthalate	ND	10	ug/L	SW846 8270C
3,3'-Dichlorobenzidine	ND	50	ug/L	SW846 8270C
2,4-Dichlorophenol	ND	10	ug/L	SW846 8270C
2,6-Dichlorophenol	ND	10	ug/L	SW846 8270C
Diethyl phthalate	ND	10	ug/L	SW846 8270C
Dimethoate	ND	20	ug/L	SW846 8270C
4-Dimethylaminoazobenzene	ND	20	ug/L	SW846 8270C
7,12-Dimethylbenz(a)-anthracene	ND	20	ug/L	SW846 8270C

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METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: D4B200189 **Work Order #...:** F910F1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
3,3'-Dimethylbenzidine	ND	20	ug/L	SW846 8270C
2,4-Dimethylphenol	ND	10	ug/L	SW846 8270C
Dimethyl phthalate	ND	10	ug/L	SW846 8270C
1,3-Dinitrobenzene	ND	10	ug/L	SW846 8270C
4,6-Dinitro-2-methylphenol	ND	50	ug/L	SW846 8270C
2,4-Dinitrophenol	ND	50	ug/L	SW846 8270C
2,4-Dinitrotoluene	ND	10	ug/L	SW846 8270C
2,6-Dinitrotoluene	ND	10	ug/L	SW846 8270C
Dinoseb	ND	10	ug/L	SW846 8270C
Di-n-octyl phthalate	ND	10	ug/L	SW846 8270C
Diphenylamine	ND	10	ug/L	SW846 8270C
Disulfoton	ND	50	ug/L	SW846 8270C
Ethyl methanesulfonate	ND	10	ug/L	SW846 8270C
Famphur	ND	200	ug/L	SW846 8270C
Fluoranthene	ND	10	ug/L	SW846 8270C
Fluorene	ND	10	ug/L	SW846 8270C
Hexachlorobenzene	ND	10	ug/L	SW846 8270C
Hexachlorobutadiene	ND	10	ug/L	SW846 8270C
Hexachlorocyclopentadiene	ND	50	ug/L	SW846 8270C
Hexachloroethane	ND	10	ug/L	SW846 8270C
Hexachloropropene	ND	100	ug/L	SW846 8270C
Indeno(1,2,3-cd)pyrene	ND	10	ug/L	SW846 8270C
Isodrin	ND	10	ug/L	SW846 8270C
Isophorone	ND	10	ug/L	SW846 8270C
Isosafrole	ND	20	ug/L	SW846 8270C
Methapyrilene	ND	50	ug/L	SW846 8270C
3-Methylcholanthrene	ND	20	ug/L	SW846 8270C
Methyl methanesulfonate	ND	10	ug/L	SW846 8270C
2-Methylnaphthalene	ND	10	ug/L	SW846 8270C
Methyl parathion	ND	50	ug/L	SW846 8270C
2-Methylphenol	ND	10	ug/L	SW846 8270C
3-Methylphenol & 4-Methylphenol	ND	10	ug/L	SW846 8270C
Naphthalene	ND	10	ug/L	SW846 8270C
1,4-Naphthoquinone	ND	50	ug/L	SW846 8270C
1-Naphthylamine	ND	10	ug/L	SW846 8270C
2-Naphthylamine	ND	10	ug/L	SW846 8270C
2-Nitroaniline	ND	50	ug/L	SW846 8270C
3-Nitroaniline	ND	50	ug/L	SW846 8270C
4-Nitroaniline	ND	50	ug/L	SW846 8270C
Nitrobenzene	ND	10	ug/L	SW846 8270C
2-Nitrophenol	ND	10	ug/L	SW846 8270C
4-Nitrophenol	ND	50	ug/L	SW846 8270C

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METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: D4B200189 **Work Order #...:** F910F1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
N-Nitrosodi-n-butylamine	ND	10	ug/L	SW846 8270C
N-Nitrosodiethylamine	ND	10	ug/L	SW846 8270C
N-Nitrosodimethylamine	ND	10	ug/L	SW846 8270C
N-Nitrosodiphenylamine	ND	10	ug/L	SW846 8270C
N-Nitrosodi-n-propyl-amine	ND	10	ug/L	SW846 8270C
N-Nitrosomethylethylamine	ND	10	ug/L	SW846 8270C
N-Nitrosopiperidine	ND	10	ug/L	SW846 8270C
N-Nitrosopyrrolidine	ND	10	ug/L	SW846 8270C
5-Nitro-o-toluidine	ND	20	ug/L	SW846 8270C
2,2'-oxybis(1-Chloropropa	ND	10	ug/L	SW846 8270C
Parathion	ND	50	ug/L	SW846 8270C
Pentachlorobenzene	ND	10	ug/L	SW846 8270C
Pentachloronitrobenzene	ND	50	ug/L	SW846 8270C
Pentachlorophenol	ND	50	ug/L	SW846 8270C
Phenacetin	ND	20	ug/L	SW846 8270C
Phenanthrene	ND	10	ug/L	SW846 8270C
Phenol	ND	10	ug/L	SW846 8270C
4-Phenylenediamine	ND	100	ug/L	SW846 8270C
Phorate	ND	50	ug/L	SW846 8270C
Pronamide	ND	20	ug/L	SW846 8270C
Pyrene	ND	10	ug/L	SW846 8270C
Safrole	ND	50	ug/L	SW846 8270C
1,2,4,5-Tetrachloro-benzene	ND	10	ug/L	SW846 8270C
2,3,4,6-Tetrachlorophenol	ND	50	ug/L	SW846 8270C
Thionazin	ND	10	ug/L	SW846 8270C
o-Toluidine	ND	10	ug/L	SW846 8270C
1,2,4-Trichloro-benzene	ND	10	ug/L	SW846 8270C
2,4,5-Trichloro-phenol	ND	10	ug/L	SW846 8270C
2,4,6-Trichloro-phenol	ND	10	ug/L	SW846 8270C
O,O,O-Triethylphosphoro-thioate	ND	50	ug/L	SW846 8270C
1,3,5-Trinitrobenzene	ND	50	ug/L	SW846 8270C

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	70	(32 - 116)
Phenol-d5	71	(40 - 111)
Nitrobenzene-d5	67	(53 - 107)
2-Fluorobiphenyl	47	(31 - 105)
2,4,6-Tribromophenol	70	(42 - 122)

(Continued on next page)

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: D4B200189 **Work Order #...:** F910F1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Terphenyl-d14	68	(21 - 125)		

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: D4B200189 **Work Order #...:** F910F1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: D4B220000-094 F910F1AD-LCSD
Prep Date.....: 02/22/04 **Analysis Date..:** 02/25/04
Prep Batch #...: 4053094 **Analysis Time..:** 12:34
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Acenaphthene	**68**	**(55 - 97)**			**SW846 8270C**
	69	**(55 - 97)**	**2.4**	**(0-30)**	**SW846 8270C**
1,4-Dichlorobenzene	**44**	**(31 - 98)**			**SW846 8270C**
	50	**(31 - 98)**	**12**	**(0-40)**	**SW846 8270C**
4-Chloro-3-methylphenol	**74**	**(59 - 106)**			**SW846 8270C**
	76	**(59 - 106)**	**2.9**	**(0-40)**	**SW846 8270C**
2-Chlorophenol	**77**	**(59 - 105)**			**SW846 8270C**
	78	**(59 - 105)**	**2.2**	**(0-40)**	**SW846 8270C**
2,4-Dinitrotoluene	**71**	**(57 - 113)**			**SW846 8270C**
	75	**(57 - 113)**	**5.8**	**(0-40)**	**SW846 8270C**
4-Nitrophenol	**65**	**(43 - 118)**			**SW846 8270C**
	72	**(43 - 118)**	**11**	**(0-40)**	**SW846 8270C**
N-Nitrosodi-n-propyl-amine	**74**	**(51 - 99)**			**SW846 8270C**
	76	**(51 - 99)**	**2.7**	**(0-40)**	**SW846 8270C**
Pentachlorophenol	**72**	**(48 - 114)**			**SW846 8270C**
	78	**(48 - 114)**	**8.1**	**(0-40)**	**SW846 8270C**
Phenol	**76**	**(56 - 106)**			**SW846 8270C**
	78	**(56 - 106)**	**3.0**	**(0-40)**	**SW846 8270C**
Pyrene	**68**	**(51 - 103)**			**SW846 8270C**
	68	**(51 - 103)**	**0.88**	**(0-40)**	**SW846 8270C**
1,2,4-Trichloro-benzene	**49**	**(36 - 99)**			**SW846 8270C**
	53	**(36 - 99)**	**8.7**	**(0-40)**	**SW846 8270C**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	73	(54 - 105)
	75	(54 - 105)
Phenol-d5	75	(55 - 106)
	77	(55 - 106)
Nitrobenzene-d5	71	(58 - 108)
	74	(58 - 108)
2-Fluorobiphenyl	57	(53 - 97)
	58	(53 - 97)
2,4,6-Tribromophenol	72	(62 - 113)
	75	(62 - 113)
Terphenyl-d14	71	(55 - 109)

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: D4B200189 **Work Order #...:** F910F1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: D4B220000-094 F910F1AD-LCSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
	71	(55 - 109)

NOTE(S):

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: D4B200189 **Work Order #...:** F910F1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: D4B220000-094 F910F1AD-LCSD
Prep Date.....: 02/22/04 **Analysis Date..:** 02/25/04
Prep Batch #...: 4053094 **Analysis Time..:** 12:34
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Acenaphthene	100	67.8	ug/L	68		SW846 8270C
	100	69.4	ug/L	69	2.4	SW846 8270C
1,4-Dichlorobenzene	100	43.8	ug/L	44		SW846 8270C
	100	49.6	ug/L	50	12	SW846 8270C
4-Chloro-3-methylphenol	150	111	ug/L	74		SW846 8270C
	150	115	ug/L	76	2.9	SW846 8270C
2-Chlorophenol	150	115	ug/L	77		SW846 8270C
	150	117	ug/L	78	2.2	SW846 8270C
2,4-Dinitrotoluene	100	70.7	ug/L	71		SW846 8270C
	100	74.9	ug/L	75	5.8	SW846 8270C
4-Nitrophenol	150	97.0	ug/L	65		SW846 8270C
	150	109	ug/L	72	11	SW846 8270C
N-Nitrosodi-n-propyl-amine	100	73.9	ug/L	74		SW846 8270C
	100	75.9	ug/L	76	2.7	SW846 8270C
Pentachlorophenol	150	108	ug/L	72		SW846 8270C
	150	117	ug/L	78	8.1	SW846 8270C
Phenol	150	114	ug/L	76		SW846 8270C
	150	117	ug/L	78	3.0	SW846 8270C
Pyrene	100	68.4	ug/L	68		SW846 8270C
	100	67.8	ug/L	68	0.88	SW846 8270C
1,2,4-Trichloro-benzene	100	48.7	ug/L	49		SW846 8270C
	100	53.2	ug/L	53	8.7	SW846 8270C

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	73	(54 - 105)
	75	(54 - 105)
Phenol-d5	75	(55 - 106)
	77	(55 - 106)
Nitrobenzene-d5	71	(58 - 108)
	74	(58 - 108)
2-Fluorobiphenyl	57	(53 - 97)
	58	(53 - 97)
2,4,6-Tribromophenol	72	(62 - 113)
	75	(62 - 113)
Terphenyl-d14	71	(55 - 109)

(Continued on next page)

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: D4B200189 **Work Order #...:** F910F1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: D4B220000-094 F910F1AD-LCSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
	71	(55 - 109)

NOTE(S):

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

Bold print denotes control parameters

METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: D4B200189 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: D4B230000-209 **Prep Batch #...:** 4054209						
Mercury	ND	0.20	ug/L	SW846 7470A	03/01-03/02/04	F92C71AA
		Dilution Factor: 1				
		Analysis Time..: 13:48				
MB Lot-Sample #: D4B240000-627 **Prep Batch #...:** 4055627						
Manganese	ND	10	ug/L	SW846 6010B	02/25-03/02/04	F95H51CK
		Dilution Factor: 1				
		Analysis Time..: 09:00				
Barium	ND	100	ug/L	SW846 6010B	02/25-03/02/04	F95H51AH
		Dilution Factor: 1				
		Analysis Time..: 09:00				
Potassium	ND	5000	ug/L	SW846 6010B	02/25-03/07/04	F95H51AU
		Dilution Factor: 1				
		Analysis Time..: 03:39				
Silver	**0.91 B**	**10**	**ug/L**	**SW846 6010B**	**02/25-03/02/04**	**F95H51AL**
		Dilution Factor: 1				
		Analysis Time..: 09:00				
Arsenic	ND	10	ug/L	SW846 6010B	02/25-03/02/04	F95H51AG
		Dilution Factor: 1				
		Analysis Time..: 09:00				
Cadmium	ND	5.0	ug/L	SW846 6010B	02/25-03/02/04	F95H51AJ
		Dilution Factor: 1				
		Analysis Time..: 09:00				
Cobalt	**1.3 B**	**10**	**ug/L**	**SW846 6010B**	**02/25-03/02/04**	**F95H51AM**
		Dilution Factor: 1				
		Analysis Time..: 09:00				
Chromium	ND	10	ug/L	SW846 6010B	02/25-03/02/04	F95H51AA
		Dilution Factor: 1				
		Analysis Time..: 09:00				
Copper	**1.0 B**	**10**	**ug/L**	**SW846 6010B**	**02/25-03/02/04**	**F95H51AC**
		Dilution Factor: 1				
		Analysis Time..: 09:00				

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METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: D4B200189 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Nickel	ND	40	ug/L	SW846 6010B	02/25-03/02/04	F95H51AD
		Dilution Factor: 1				
		Analysis Time..: 09:00				
Lead	ND	3.0	ug/L	SW846 6010B	02/25-03/03/04	F95H51AK
		Dilution Factor: 1				
		Analysis Time..: 00:02				
Antimony	ND	10	ug/L	SW846 6010B	02/25-03/02/04	F95H51CL
		Dilution Factor: 1				
		Analysis Time..: 09:00				
Selenium	ND	5.0	ug/L	SW846 6010B	02/25-03/02/04	F95H51AN
		Dilution Factor: 1				
		Analysis Time..: 09:00				
Zinc	ND	20	ug/L	SW846 6010B	02/25-03/02/04	F95H51AE
		Dilution Factor: 1				
		Analysis Time..: 09:00				
Beryllium	ND	5.0	ug/L	SW846 6010B	02/25-03/07/04	F95H51CM
		Dilution Factor: 1				
		Analysis Time..: 03:39				
Boron	ND	100	ug/L	SW846 6010B	02/25-03/07/04	F95H51CN
		Dilution Factor: 1				
		Analysis Time..: 03:39				

NOTE(S):

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

B Estimated result. Result is less than RL.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: D4B200189 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: D4B230000-209 **Prep Batch #...:** 4054209					
Mercury	99	(84 - 114)	SW846 7470A	03/01-03/02/04	F92C71AC
		Dilution Factor: 1	Analysis Time..: 13:50		
LCS Lot-Sample#: D4B240000-627 **Prep Batch #...:** 4055627					
Manganese	99	(90 - 110)	SW846 6010B	02/25-03/02/04	F95H51CP
		Dilution Factor: 1	Analysis Time..: 09:04		
Barium	105	(93 - 113)	SW846 6010B	02/25-03/02/04	F95H51A5
		Dilution Factor: 1	Analysis Time..: 09:04		
Potassium	98	(86 - 111)	SW846 6010B	02/25-03/07/04	F95H51CG
		Dilution Factor: 1	Analysis Time..: 03:44		
Silver	98	(85 - 114)	SW846 6010B	02/25-03/02/04	F95H51A8
		Dilution Factor: 1	Analysis Time..: 09:04		
Arsenic	99	(89 - 109)	SW846 6010B	02/25-03/02/04	F95H51A4
		Dilution Factor: 1	Analysis Time..: 09:04		
Cadmium	96	(89 - 110)	SW846 6010B	02/25-03/02/04	F95H51A6
		Dilution Factor: 1	Analysis Time..: 09:04		
Cobalt	98	(86 - 107)	SW846 6010B	02/25-03/02/04	F95H51A9
		Dilution Factor: 1	Analysis Time..: 09:04		
Chromium	98	(89 - 112)	SW846 6010B	02/25-03/02/04	F95H51AX
		Dilution Factor: 1	Analysis Time..: 09:04		
Copper	96	(86 - 110)	SW846 6010B	02/25-03/02/04	F95H51A0
		Dilution Factor: 1	Analysis Time..: 09:04		
Nickel	97	(90 - 110)	SW846 6010B	02/25-03/02/04	F95H51A1
		Dilution Factor: 1	Analysis Time..: 09:04		
Lead	102	(91 - 111)	SW846 6010B	02/25-03/03/04	F95H51A7
		Dilution Factor: 1	Analysis Time..: 00:07		
Antimony	99	(88 - 108)	SW846 6010B	02/25-03/02/04	F95H51CQ
		Dilution Factor: 1	Analysis Time..: 09:04		

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: D4B200189 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Selenium	101	(88 - 110)	SW846 6010B	02/25-03/02/04	F95H51CA
		Dilution Factor: 1	Analysis Time..: 09:04		
Zinc	95	(85 - 110)	SW846 6010B	02/25-03/02/04	F95H51A2
		Dilution Factor: 1	Analysis Time..: 09:04		
Beryllium	97	(88 - 112)	SW846 6010B	02/25-03/07/04	F95H51CR
		Dilution Factor: 1	Analysis Time..: 03:44		
Boron	96	(89 - 110)	SW846 6010B	02/25-03/07/04	F95H51CT
		Dilution Factor: 1	Analysis Time..: 03:44		

NOTE(S):

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

LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: D4B200189 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: D4B230000-209 **Prep Batch #...:** 4054209							
Mercury	5.00	4.93	ug/L	99	SW846 7470A	03/01-03/02/04	F92C71AC
			Dilution Factor: 1		Analysis Time..: 13:50		
LCS Lot-Sample#: D4B240000-627 **Prep Batch #...:** 4055627							
Manganese	500	496	ug/L	99	SW846 6010B	02/25-03/02/04	F95H51CP
			Dilution Factor: 1		Analysis Time..: 09:04		
Barium	2000	2090	ug/L	105	SW846 6010B	02/25-03/02/04	F95H51A5
			Dilution Factor: 1		Analysis Time..: 09:04		
Potassium	50000	49000	ug/L	98	SW846 6010B	02/25-03/07/04	F95H51CG
			Dilution Factor: 1		Analysis Time..: 03:44		
Silver	50.0	49.0	ug/L	98	SW846 6010B	02/25-03/02/04	F95H51A8
			Dilution Factor: 1		Analysis Time..: 09:04		
Arsenic	2000	1980	ug/L	99	SW846 6010B	02/25-03/02/04	F95H51A4
			Dilution Factor: 1		Analysis Time..: 09:04		
Cadmium	50.0	48.2	ug/L	96	SW846 6010B	02/25-03/02/04	F95H51A6
			Dilution Factor: 1		Analysis Time..: 09:04		
Cobalt	500	489	ug/L	98	SW846 6010B	02/25-03/02/04	F95H51A9
			Dilution Factor: 1		Analysis Time..: 09:04		
Chromium	200	196	ug/L	98	SW846 6010B	02/25-03/02/04	F95H51AX
			Dilution Factor: 1		Analysis Time..: 09:04		
Copper	250	241	ug/L	96	SW846 6010B	02/25-03/02/04	F95H51A0
			Dilution Factor: 1		Analysis Time..: 09:04		
Nickel	500	484	ug/L	97	SW846 6010B	02/25-03/02/04	F95H51A1
			Dilution Factor: 1		Analysis Time..: 09:04		
Lead	500	509	ug/L	102	SW846 6010B	02/25-03/03/04	F95H51A7
			Dilution Factor: 1		Analysis Time..: 00:07		
Antimony	500	494	ug/L	99	SW846 6010B	02/25-03/02/04	F95H51CQ
			Dilution Factor: 1		Analysis Time..: 09:04		

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LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: D4B200189 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Selenium	2000	2020	ug/L	101	SW846 6010B	02/25-03/02/04	F95H51CA
			Dilution Factor: 1		Analysis Time..: 09:04		
Zinc	500	473	ug/L	95	SW846 6010B	02/25-03/02/04	F95H51A2
			Dilution Factor: 1		Analysis Time..: 09:04		
Beryllium	50.0	48.6	ug/L	97	SW846 6010B	02/25-03/07/04	F95H51CR
			Dilution Factor: 1		Analysis Time..: 03:44		
Boron	1000	963	ug/L	96	SW846 6010B	02/25-03/07/04	F95H51CT
			Dilution Factor: 1		Analysis Time..: 03:44		

NOTE(S):

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

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: D4B200189 **Matrix.....:** WATER
Date Sampled...: 02/18/04 10:35 **Date Received..:** 02/18/04

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D4B180297-002 **Prep Batch #...:** 4054209							
Mercury	96	(84 - 114)			SW846 7470A	03/01-03/02/04	F9RVP1CP
	95	(84 - 114)	1.7	(0-10)	SW846 7470A	03/01-03/02/04	F9RVP1CQ

Dilution Factor: 1
Analysis Time..: 13:54

NOTE(S):

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

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: D4B200189 **Matrix.....:** WATER
Date Sampled...: 02/18/04 10:35 **Date Received..:** 02/18/04

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D4B180297-002 **Prep Batch #...:** 4054209									
Mercury									
	ND	5.00	4.81	ug/L	96		SW846 7470A	03/01-03/02/04	F9RVP1CP
	ND	5.00	4.73	ug/L	95	1.7	SW846 7470A	03/01-03/02/04	F9RVP1CQ

Dilution Factor: 1
Analysis Time..: 13:54

NOTE(S):

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

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: D4B200189 **Matrix.....:** WATER
Date Sampled...: 02/18/04 16:30 **Date Received..:** 02/18/04

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D4B180297-015 **Prep Batch #...:** 4054209							
Mercury	98	(84 - 114)			SW846 7470A	03/01-03/02/04	F9RV71DW
	97	(84 - 114)	1.2	(0-10)	SW846 7470A	03/01-03/02/04	F9RV71DX
		Dilution Factor: 1					
		Analysis Time..: 14:14					

NOTE(S):

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

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: D4B200189 **Matrix.....:** WATER
Date Sampled...: 02/18/04 16:30 **Date Received..:** 02/18/04

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D4B180297-015 **Prep Batch #...:** 4054209									
Mercury									
	ND	5.00	4.90	ug/L	98		SW846 7470A	03/01-03/02/04	F9RV71DW
	ND	5.00	4.84	ug/L	97	1.2	SW846 7470A	03/01-03/02/04	F9RV71DX
			Dilution Factor: 1						
			Analysis Time..: 14:14						

NOTE(S):

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

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: D4B200189 **Matrix.....:** WATER
Date Sampled...: 02/19/04 15:15 **Date Received..:** 02/20/04

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D4B200201-001 **Prep Batch #...:** 4055627							
Manganese	100	(79 - 121)			SW846 6010B	02/25-03/02/04	F9W551D0
	100	(79 - 121)	0.57	(0-25)	SW846 6010B	02/25-03/02/04	F9W551D1
		Dilution Factor: 1					
		Analysis Time..: 09:27					
Barium	106	(85 - 120)			SW846 6010B	02/25-03/02/04	F9W551C3
	105	(85 - 120)	0.87	(0-25)	SW846 6010B	02/25-03/02/04	F9W551C4
		Dilution Factor: 1					
		Analysis Time..: 09:27					
Potassium	99	(76 - 132)			SW846 6010B	02/25-03/07/04	F9W551DQ
	98	(76 - 132)	0.68	(0-25)	SW846 6010B	02/25-03/07/04	F9W551DR
		Dilution Factor: 1					
		Analysis Time..: 04:05					
Silver	97	(75 - 141)			SW846 6010B	02/25-03/02/04	F9W551C9
	97	(75 - 141)	0.48	(0-25)	SW846 6010B	02/25-03/02/04	F9W551DA
		Dilution Factor: 1					
		Analysis Time..: 09:27					
Arsenic	99	(84 - 124)			SW846 6010B	02/25-03/02/04	F9W551C1
	98	(84 - 124)	1.4	(0-25)	SW846 6010B	02/25-03/02/04	F9W551C2
		Dilution Factor: 1					
		Analysis Time..: 09:27					
Cadmium	97	(82 - 119)			SW846 6010B	02/25-03/02/04	F9W551C5
	96	(82 - 119)	1.3	(0-25)	SW846 6010B	02/25-03/02/04	F9W551C6
		Dilution Factor: 1					
		Analysis Time..: 09:27					
Cobalt	99	(82 - 119)			SW846 6010B	02/25-03/02/04	F9W551DC
	98	(82 - 119)	1.1	(0-25)	SW846 6010B	02/25-03/02/04	F9W551DD
		Dilution Factor: 1					
		Analysis Time..: 09:27					
Chromium	103	(73 - 135)			SW846 6010B	02/25-03/02/04	F9W551CN
	107	(73 - 135)	4.3	(0-25)	SW846 6010B	02/25-03/02/04	F9W551CP
		Dilution Factor: 1					
		Analysis Time..: 09:27					

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MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: D4B200189 **Matrix.....:** WATER
Date Sampled...: 02/19/04 15:15 **Date Received..:** 02/20/04

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Copper	98	(82 - 129)			SW846 6010B	02/25-03/02/04	F9W551CQ
	97	(82 - 129)	0.54	(0-25)	SW846 6010B	02/25-03/02/04	F9W551CR
		Dilution Factor: 1					
		Analysis Time..: 09:27					
Nickel	99	(84 - 120)			SW846 6010B	02/25-03/02/04	F9W551CT
	98	(84 - 120)	0.50	(0-25)	SW846 6010B	02/25-03/02/04	F9W551CU
		Dilution Factor: 1					
		Analysis Time..: 09:27					
Lead	101	(89 - 121)			SW846 6010B	02/25-03/03/04	F9W551C7
	101	(89 - 121)	0.17	(0-25)	SW846 6010B	02/25-03/03/04	F9W551C8
		Dilution Factor: 1					
		Analysis Time..: 00:29					
Antimony	99	(81 - 124)			SW846 6010B	02/25-03/02/04	F9W551D3
	98	(81 - 124)	1.0	(0-25)	SW846 6010B	02/25-03/02/04	F9W551D4
		Dilution Factor: 1					
		Analysis Time..: 09:27					
Selenium	99	(71 - 140)			SW846 6010B	02/25-03/02/04	F9W551DE
	98	(71 - 140)	0.96	(0-25)	SW846 6010B	02/25-03/02/04	F9W551DF
		Dilution Factor: 1					
		Analysis Time..: 09:27					
Zinc	95	(60 - 137)			SW846 6010B	02/25-03/02/04	F9W551CV
	97	(60 - 137)	1.7	(0-25)	SW846 6010B	02/25-03/02/04	F9W551CW
		Dilution Factor: 1					
		Analysis Time..: 09:27					
Beryllium	100	(79 - 121)			SW846 6010B	02/25-03/07/04	F9W551D6
	97	(79 - 121)	2.4	(0-25)	SW846 6010B	02/25-03/07/04	F9W551D7
		Dilution Factor: 1					
		Analysis Time..: 04:05					
Boron	98	(87 - 113)			SW846 6010B	02/25-03/07/04	F9W551D9
	97	(87 - 113)	0.50	(0-25)	SW846 6010B	02/25-03/07/04	F9W551EA
		Dilution Factor: 1					
		Analysis Time..: 04:05					

NOTE(S):

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

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: D4B200189 **Matrix.....:** WATER
Date Sampled...: 02/19/04 15:15 **Date Received..:** 02/20/04

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D4B200201-001 **Prep Batch #...:** 4055627									
Manganese									
	64	500	566	ug/L	100		SW846 6010B	02/25-03/02/04	F9W551D0
	64	500	563	ug/L	100	0.57	SW846 6010B	02/25-03/02/04	F9W551D1
			Dilution Factor: 1						
			Analysis Time..: 09:27						
Barium									
	12	2000	2130	ug/L	106		SW846 6010B	02/25-03/02/04	F9W551C3
	12	2000	2110	ug/L	105	0.87	SW846 6010B	02/25-03/02/04	F9W551C4
			Dilution Factor: 1						
			Analysis Time..: 09:27						
Potassium									
	760	50000	50200	ug/L	99		SW846 6010B	02/25-03/07/04	F9W551DQ
	760	50000	49900	ug/L	98	0.68	SW846 6010B	02/25-03/07/04	F9W551DR
			Dilution Factor: 1						
			Analysis Time..: 04:05						
Silver									
	0.86	50.0	49.5	ug/L	97		SW846 6010B	02/25-03/02/04	F9W551C9
	0.86	50.0	49.2	ug/L	97	0.48	SW846 6010B	02/25-03/02/04	F9W551DA
			Dilution Factor: 1						
			Analysis Time..: 09:27						
Arsenic									
	ND	2000	1980	ug/L	99		SW846 6010B	02/25-03/02/04	F9W551C1
	ND	2000	1960	ug/L	98	1.4	SW846 6010B	02/25-03/02/04	F9W551C2
			Dilution Factor: 1						
			Analysis Time..: 09:27						
Cadmium									
	0.54	50.0	49.2	ug/L	97		SW846 6010B	02/25-03/02/04	F9W551C5
	0.54	50.0	48.5	ug/L	96	1.3	SW846 6010B	02/25-03/02/04	F9W551C6
			Dilution Factor: 1						
			Analysis Time..: 09:27						
Cobalt									
	1.8	500	496	ug/L	99		SW846 6010B	02/25-03/02/04	F9W551DC
	1.8	500	491	ug/L	98	1.1	SW846 6010B	02/25-03/02/04	F9W551DD
			Dilution Factor: 1						
			Analysis Time..: 09:27						

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MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: D4B200189 **Matrix.....:** WATER
Date Sampled...: 02/19/04 15:15 **Date Received..:** 02/20/04

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Chromium									
	5.0	200	210	ug/L	103		SW846 6010B	02/25-03/02/04	F9W551CN
	5.0	200	220	ug/L	107	4.3	SW846 6010B	02/25-03/02/04	F9W551CP
			Dilution Factor: 1						
			Analysis Time..: 09:27						
Copper									
	12	250	256	ug/L	98		SW846 6010B	02/25-03/02/04	F9W551CQ
	12	250	255	ug/L	97	0.54	SW846 6010B	02/25-03/02/04	F9W551CR
			Dilution Factor: 1						
			Analysis Time..: 09:27						
Nickel									
	27	500	522	ug/L	99		SW846 6010B	02/25-03/02/04	F9W551CT
	27	500	520	ug/L	98	0.50	SW846 6010B	02/25-03/02/04	F9W551CU
			Dilution Factor: 1						
			Analysis Time..: 09:27						
Lead									
	15	500	520	ug/L	101		SW846 6010B	02/25-03/03/04	F9W551C7
	15	500	520	ug/L	101	0.17	SW846 6010B	02/25-03/03/04	F9W551C8
			Dilution Factor: 1						
			Analysis Time..: 00:29						
Antimony									
	ND	500	495	ug/L	99		SW846 6010B	02/25-03/02/04	F9W551D3
	ND	500	490	ug/L	98	1.0	SW846 6010B	02/25-03/02/04	F9W551D4
			Dilution Factor: 1						
			Analysis Time..: 09:27						
Selenium									
	ND	2000	1980	ug/L	99		SW846 6010B	02/25-03/02/04	F9W551DE
	ND	2000	1960	ug/L	98	0.96	SW846 6010B	02/25-03/02/04	F9W551DF
			Dilution Factor: 1						
			Analysis Time..: 09:27						
Zinc									
	31	500	508	ug/L	95		SW846 6010B	02/25-03/02/04	F9W551CV
	31	500	517	ug/L	97	1.7	SW846 6010B	02/25-03/02/04	F9W551CW
			Dilution Factor: 1						
			Analysis Time..: 09:27						

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MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: D4B200189 **Matrix.....:** WATER
Date Sampled...: 02/19/04 15:15 **Date Received..:** 02/20/04

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Beryllium									
	ND	50.0	49.9	ug/L	100		SW846 6010B	02/25-03/07/04	F9W551D6
	ND	50.0	48.7	ug/L	97	2.4	SW846 6010B	02/25-03/07/04	F9W551D7
			Dilution Factor: 1						
			Analysis Time..: 04:05						
Boron									
	10	1000	988	ug/L	98		SW846 6010B	02/25-03/07/04	F9W551D9
	10	1000	983	ug/L	97	0.50	SW846 6010B	02/25-03/07/04	F9W551EA
			Dilution Factor: 1						
			Analysis Time..: 04:05						

NOTE(S):

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

METHOD BLANK REPORT

DISSOLVED Metals

Client Lot #...: D4B200189 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: D4B240000-631 **Prep Batch #...:** 4055631						
Calcium	**94 B**	**200**	**ug/L**	**SW846 6010B**	**02/26-03/07/04**	**F95JD1AG**
		Dilution Factor: 1				
		Analysis Time..: 04:45				
Magnesium	ND	200	ug/L	SW846 6010B	02/26-03/07/04	F95JD1AP
		Dilution Factor: 1				
		Analysis Time..: 04:45				
Sodium	ND	5000	ug/L	SW846 6010B	02/26-03/07/04	F95JD1AR
		Dilution Factor: 1				
		Analysis Time..: 04:45				
Potassium	ND	5000	ug/L	SW846 6010B	02/26-03/07/04	F95JD1AN
		Dilution Factor: 1				
		Analysis Time..: 04:45				
Iron	ND	100	ug/L	SW846 6010B	02/26-03/02/04	F95JD1AM
		Dilution Factor: 1				
		Analysis Time..: 22:40				

NOTE(S):

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

B Estimated result. Result is less than RL.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: D4B200189 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: D4B240000-631 **Prep Batch #...:** 4055631					
Calcium	103	(89 - 110)	SW846 6010B	02/26-03/07/04	F95JD1A8
		Dilution Factor: 1	Analysis Time..: 04:49		
Magnesium	102	(91 - 111)	SW846 6010B	02/26-03/07/04	F95JD1CG
		Dilution Factor: 1	Analysis Time..: 04:49		
Sodium	96	(91 - 112)	SW846 6010B	02/26-03/07/04	F95JD1CJ
		Dilution Factor: 1	Analysis Time..: 04:49		
Potassium	100	(86 - 111)	SW846 6010B	02/26-03/07/04	F95JD1CF
		Dilution Factor: 1	Analysis Time..: 04:49		
Iron	103	(88 - 110)	SW846 6010B	02/26-03/02/04	F95JD1CE
		Dilution Factor: 1	Analysis Time..: 22:45		

NOTE(S):

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

LABORATORY CONTROL SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: D4B200189 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: D4B240000-631 **Prep Batch #...:** 4055631							
Calcium	50000	51600	ug/L	103	SW846 6010B	02/26-03/07/04	F95JD1A8
			Dilution Factor: 1		Analysis Time..: 04:49		
Magnesium	50000	50900	ug/L	102	SW846 6010B	02/26-03/07/04	F95JD1CG
			Dilution Factor: 1		Analysis Time..: 04:49		
Sodium	50000	48200	ug/L	96	SW846 6010B	02/26-03/07/04	F95JD1CJ
			Dilution Factor: 1		Analysis Time..: 04:49		
Potassium	50000	50100	ug/L	100	SW846 6010B	02/26-03/07/04	F95JD1CF
			Dilution Factor: 1		Analysis Time..: 04:49		
Iron	1000	1030	ug/L	103	SW846 6010B	02/26-03/02/04	F95JD1CE
			Dilution Factor: 1		Analysis Time..: 22:45		

NOTE(S):

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

MATRIX SPIKE SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: D4B200189 **Matrix.....:** WATER
Date Sampled...: 02/18/04 10:00 **Date Received..:** 02/20/04

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D4B200234-001 **Prep Batch #...:** 4055631							
Calcium	NC,MSB	(48 - 153)			SW846 6010B	02/26-03/07/04	F9XE21CG
	NC,MSB	(48 - 153)		(0-25)	SW846 6010B	02/26-03/07/04	F9XE21CH
		Dilution Factor: 1					
		Analysis Time..: 05:11					
Magnesium	NC,MSB	(62 - 146)			SW846 6010B	02/26-03/07/04	F9XE21CX
	NC,MSB	(62 - 146)		(0-25)	SW846 6010B	02/26-03/07/04	F9XE21C0
		Dilution Factor: 1					
		Analysis Time..: 05:11					
Sodium	NC,MSB	(70 - 203)			SW846 6010B	02/26-03/07/04	F9XE21C3
	NC,MSB	(70 - 203)		(0-40)	SW846 6010B	02/26-03/07/04	F9XE21C4
		Dilution Factor: 1					
		Analysis Time..: 05:11					
Potassium	NC,MSB	(76 - 132)			SW846 6010B	02/26-03/07/04	F9XE21CV
	NC,MSB	(76 - 132)		(0-25)	SW846 6010B	02/26-03/07/04	F9XE21CW
		Dilution Factor: 1					
		Analysis Time..: 05:11					
Iron	93	(52 - 155)			SW846 6010B	02/26-03/02/04	F9XE21CT
	93	(52 - 155)	0.08	(0-25)	SW846 6010B	02/26-03/02/04	F9XE21CU
		Dilution Factor: 1					
		Analysis Time..: 22:58					

NOTE(S):

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

NC The recovery and/or RPD were not calculated.

MSB The recovery and RPD were not calculated because the sample amount was greater than four times the spike amount.

MATRIX SPIKE SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: D4B200189 **Matrix.....:** WATER
Date Sampled...: 02/18/04 10:00 **Date Received..:** 02/20/04

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D4B200234-001 **Prep Batch #...:** 4055631									
Calcium									
	410000	50000	482000	ug/L			SW846 6010B	02/26-03/07/04	F9XE21CG
			Qualifiers: NC,MSB						
	410000	50000	479000	ug/L			SW846 6010B	02/26-03/07/04	F9XE21CH
			Qualifiers: NC,MSB						
			Dilution Factor: 1						
			Analysis Time..: 05:11						
Magnesium									
	350000	50000	404000	ug/L			SW846 6010B	02/26-03/07/04	F9XE21CX
			Qualifiers: NC,MSB						
	350000	50000	403000	ug/L			SW846 6010B	02/26-03/07/04	F9XE21C0
			Qualifiers: NC,MSB						
			Dilution Factor: 1						
			Analysis Time..: 05:11						
Sodium									
	3600000	50000	3720000	ug/L			SW846 6010B	02/26-03/07/04	F9XE21C3
			Qualifiers: NC,MSB						
	3600000	50000	3720000	ug/L			SW846 6010B	02/26-03/07/04	F9XE21C4
			Qualifiers: NC,MSB						
			Dilution Factor: 1						
			Analysis Time..: 05:11						
Potassium									
	690000	50000	759000	ug/L			SW846 6010B	02/26-03/07/04	F9XE21CV
			Qualifiers: NC,MSB						
	690000	50000	762000	ug/L			SW846 6010B	02/26-03/07/04	F9XE21CW
			Qualifiers: NC,MSB						
			Dilution Factor: 1						
			Analysis Time..: 05:11						
Iron									
	ND	1000	947	ug/L	93		SW846 6010B	02/26-03/02/04	F9XE21CT
	ND	1000	946	ug/L	93	0.08	SW846 6010B	02/26-03/02/04	F9XE21CU
			Dilution Factor: 1						
			Analysis Time..: 22:58						

NOTE(S):

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

NC The recovery and/or RPD were not calculated.

MSB The recovery and RPD were not calculated because the sample amount was greater than four times the spike amount.

METHOD BLANK REPORT

General Chemistry

Client Lot #...: D4B200189 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Biochemical Oxygen Demand (BOD)		Work Order #: F970N1AA		MB Lot-Sample #:	D4B200000-571	
	ND	2.0	mg/L	MCAWW 405.1	02/20/04	4051571
		Dilution Factor: 1				
		Analysis Time..: 12:00				
Chemical Oxygen Demand (COD)		Work Order #: GALGL1AA		MB Lot-Sample #:	D4C040000-298	
	ND	8.0	mg/L	MCAWW 410.4	03/02/04	4064298
		Dilution Factor: 1				
		Analysis Time..: 16:15				
Chloride		Work Order #: F97EX1AA		MB Lot-Sample #:	D4B230000-498	
	ND	3.0	mg/L	MCAWW 300.0A	02/20/04	4054498
		Dilution Factor: 1				
		Analysis Time..: 13:06				
Cyanide, Total		Work Order #: GAJKR1AA		MB Lot-Sample #:	D4C030000-360	
	ND	0.010	mg/L	SW846 9012A	03/02/04	4063360
		Dilution Factor: 1				
		Analysis Time..: 15:00				
Fluoride		Work Order #: F97D81AA		MB Lot-Sample #:	D4B230000-499	
	ND	1.0	mg/L	MCAWW 300.0A	02/20/04	4054499
		Dilution Factor: 1				
		Analysis Time..: 13:06				
Nitrate		Work Order #: F97E81AA		MB Lot-Sample #:	D4B230000-500	
	ND	0.50	mg/L	MCAWW 300.0A	02/20/04	4054500
		Dilution Factor: 1				
		Analysis Time..: 13:06				
Specific Conductance		Work Order #: F99891AA		MB Lot-Sample #:	D4B270000-241	
	1.3 B	**2.0**	**umhos/cm**	**MCAWW 120.1**	**02/24/04**	**4058241**
		Dilution Factor: 1				
		Analysis Time..: 17:00				
Sulfate		Work Order #: F97FH1AA		MB Lot-Sample #:	D4B230000-502	
	ND	5.0	mg/L	MCAWW 300.0A	02/20/04	4054502
		Dilution Factor: 1				
		Analysis Time..: 13:06				
Total Alkalinity		Work Order #: GAAE21AA		MB Lot-Sample #:	D4B270000-302	
	ND	5.0	mg/L	MCAWW 310.1	02/26/04	4058302
		Dilution Factor: 1				
		Analysis Time..: 19:00				

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METHOD BLANK REPORT

General Chemistry

Client Lot #...: D4B200189 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Dissolved Solids		Work Order #: GAHXX1AA		MB Lot-Sample #:	D4B240000-518	
	ND	10	mg/L	MCAWW 160.1	02/24/04	4055518
		Dilution Factor: 1				
		Analysis Time..: 14:00				
Total Organic Halogens		Work Order #: GAW1J1AA		MB Lot-Sample #:	D4C050000-520	
	ND	30	ug/L	SW846 9020B	03/04/04	4065520
		Dilution Factor: 1				
		Analysis Time..: 12:00				
Total Organic Carbon		Work Order #: GAMQ01AA		MB Lot-Sample #:	D4C040000-488	
	ND	1.0	mg/L	MCAWW 415.1	03/03/04	4064488
		Dilution Factor: 1				
		Analysis Time..: 22:00				
Total Sulfide		Work Order #: F998C1AA		MB Lot-Sample #:	D4B270000-198	
	ND	4.0	mg/L	SW846 9030B/9034	02/26/04	4058198
		Dilution Factor: 1				
		Analysis Time..: 13:00				

NOTE(S):

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

B Estimated result. Result is less than RL.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Lot-Sample #...: D4B200189 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Biochemical Oxygen Demand (BOD)		WO#:F970N1AC-LCS/F970N1AD-LCSD				LCS Lot-Sample#: D4B200000-571	
	99	(85 - 115)			MCAWW 405.1	02/20/04	4051571
	94	(85 - 115)	5.2	(0-20)	MCAWW 405.1	02/20/04	4051571
		Dilution Factor: 1			Analysis Time..: 12:00		
Chemical Oxygen Demand (COD)		WO#:GALGL1AC-LCS/GALGL1AD-LCSD				LCS Lot-Sample#: D4C040000-298	
	92	(86 - 114)			MCAWW 410.4	03/02/04	4064298
	91	(86 - 114)	1.8	(0-11)	MCAWW 410.4	03/02/04	4064298
		Dilution Factor: 1			Analysis Time..: 16:15		
Chloride		WO#:F97EX1AC-LCS/F97EX1AD-LCSD				LCS Lot-Sample#: D4B230000-498	
	101	(90 - 110)			MCAWW 300.0A	02/20/04	4054498
	101	(90 - 110)	0.19	(0-10)	MCAWW 300.0A	02/20/04	4054498
		Dilution Factor: 1			Analysis Time..: 12:35		
Cyanide, Total		WO#:GAJKR1AC-LCS/GAJKR1AD-LCSD				LCS Lot-Sample#: D4C030000-360	
	94	(89 - 109)			SW846 9012A	03/02/04	4063360
	91	(89 - 109)	3.6	(0-20)	SW846 9012A	03/02/04	4063360
		Dilution Factor: 1			Analysis Time..: 15:00		
Fluoride		WO#:F97D81AC-LCS/F97D81AD-LCSD				LCS Lot-Sample#: D4B230000-499	
	105	(90 - 110)			MCAWW 300.0A	02/20/04	4054499
	106	(90 - 110)	0.71	(0-10)	MCAWW 300.0A	02/20/04	4054499
		Dilution Factor: 1			Analysis Time..: 12:35		
Nitrate		WO#:F97E81AC-LCS/F97E81AD-LCSD				LCS Lot-Sample#: D4B230000-500	
	98	(90 - 110)			MCAWW 300.0A	02/20/04	4054500
	98	(90 - 110)	0.0	(0-10)	MCAWW 300.0A	02/20/04	4054500
		Dilution Factor: 1			Analysis Time..: 12:35		
Sulfate		WO#:F97FH1AC-LCS/F97FH1AD-LCSD				LCS Lot-Sample#: D4B230000-502	
	100	(90 - 110)			MCAWW 300.0A	02/20/04	4054502
	100	(90 - 110)	0.20	(0-10)	MCAWW 300.0A	02/20/04	4054502
		Dilution Factor: 1			Analysis Time..: 12:35		

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Lot-Sample #...: D4B200189 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Alkalinity		WO#:GAAE21AC-LCS/GAAE21AD-LCSD				LCS Lot-Sample#: D4B270000-302	
	101	(95 - 110)			MCAWW 310.1	02/26/04	4058302
	101	(95 - 110)	0.44	(0-10)	MCAWW 310.1	02/26/04	4058302
		Dilution Factor: 1			Analysis Time..: 19:00		
Total Dissolved Solids		WO#:GAHXX1AC-LCS/GAHXX1AD-LCSD				LCS Lot-Sample#: D4B240000-518	
	97	(86 - 106)			MCAWW 160.1	02/24/04	4055518
	96	(86 - 106)	0.41	(0-20)	MCAWW 160.1	02/24/04	4055518
		Dilution Factor: 1			Analysis Time..: 14:00		
Total Organic Carbon		WO#:GAMQ01AC-LCS/GAMQ01AD-LCSD				LCS Lot-Sample#: D4C040000-488	
	106	(90 - 110)			MCAWW 415.1	03/03/04	4064488
	108	(90 - 110)	2.5	(0-10)	MCAWW 415.1	03/03/04	4064488
		Dilution Factor: 1			Analysis Time..: 22:00		
Total Sulfide		WO#:F998C1AC-LCS/F998C1AD-LCSD				LCS Lot-Sample#: D4B270000-198	
	84	(70 - 130)			SW846 9030B/9034	02/26/04	4058198
	80	(70 - 130)	5.1	(0-20)	SW846 9030B/9034	02/26/04	4058198
		Dilution Factor: 1			Analysis Time..: 13:00		

NOTE(S):

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

LABORATORY CONTROL SAMPLE DATA REPORT

General Chemistry

Lot-Sample #...: D4B200189 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Biochemical Oxygen Demand (BOD)		WO#:F970N1AC-LCS/F970N1AD-LCSD				LCS Lot-Sample#: D4B200000-571		
	198	196	mg/L	99		MCAWW 405.1	02/20/04	4051571
	198	186	mg/L	94	5.2	MCAWW 405.1	02/20/04	4051571
		Dilution Factor: 1				Analysis Time..: 12:00		
Chemical Oxygen Demand (COD)		WO#:GALGL1AC-LCS/GALGL1AD-LCSD				LCS Lot-Sample#: D4C040000-298		
	100	92.5	mg/L	92		MCAWW 410.4	03/02/04	4064298
	100	90.8	mg/L	91	1.8	MCAWW 410.4	03/02/04	4064298
		Dilution Factor: 1				Analysis Time..: 16:15		
Chloride		WO#:F97EX1AC-LCS/F97EX1AD-LCSD				LCS Lot-Sample#: D4B230000-498		
	20.0	20.2	mg/L	101		MCAWW 300.0A	02/20/04	4054498
	20.0	20.2	mg/L	101	0.19	MCAWW 300.0A	02/20/04	4054498
		Dilution Factor: 1				Analysis Time..: 12:35		
Cyanide, Total		WO#:GAJKR1AC-LCS/GAJKR1AD-LCSD				LCS Lot-Sample#: D4C030000-360		
	0.100	0.0945	mg/L	94		SW846 9012A	03/02/04	4063360
	0.100	0.0912	mg/L	91	3.6	SW846 9012A	03/02/04	4063360
		Dilution Factor: 1				Analysis Time..: 15:00		
Fluoride		WO#:F97D81AC-LCS/F97D81AD-LCSD				LCS Lot-Sample#: D4B230000-499		
	4.00	4.21	mg/L	105		MCAWW 300.0A	02/20/04	4054499
	4.00	4.24	mg/L	106	0.71	MCAWW 300.0A	02/20/04	4054499
		Dilution Factor: 1				Analysis Time..: 12:35		
Nitrate		WO#:F97E81AC-LCS/F97E81AD-LCSD				LCS Lot-Sample#: D4B230000-500		
	4.00	3.93	mg/L	98		MCAWW 300.0A	02/20/04	4054500
	4.00	3.93	mg/L	98	0.0	MCAWW 300.0A	02/20/04	4054500
		Dilution Factor: 1				Analysis Time..: 12:35		
Sulfate		WO#:F97FH1AC-LCS/F97FH1AD-LCSD				LCS Lot-Sample#: D4B230000-502		
	20.0	19.9	mg/L	100		MCAWW 300.0A	02/20/04	4054502
	20.0	20.0	mg/L	100	0.20	MCAWW 300.0A	02/20/04	4054502
		Dilution Factor: 1				Analysis Time..: 12:35		

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LABORATORY CONTROL SAMPLE DATA REPORT

General Chemistry

Lot-Sample #...: D4B200189 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Alkalinity		WO#:GAAE21AC-LCS/GAAE21AD-LCSD				LCS Lot-Sample#: D4B270000-302		
	200	202	mg/L	101		MCAWW 310.1	02/26/04	4058302
	200	203	mg/L	101	0.44	MCAWW 310.1	02/26/04	4058302
		Dilution Factor: 1				Analysis Time..: 19:00		
Total Dissolved Solids		WO#:GAHXX1AC-LCS/GAHXX1AD-LCSD				LCS Lot-Sample#: D4B240000-518		
	500	484	mg/L	97		MCAWW 160.1	02/24/04	4055518
	500	482	mg/L	96	0.41	MCAWW 160.1	02/24/04	4055518
		Dilution Factor: 1				Analysis Time..: 14:00		
Total Organic Carbon		WO#:GAMQ01AC-LCS/GAMQ01AD-LCSD				LCS Lot-Sample#: D4C040000-488		
	25.0	26.4	mg/L	106		MCAWW 415.1	03/03/04	4064488
	25.0	27.1	mg/L	108	2.5	MCAWW 415.1	03/03/04	4064488
		Dilution Factor: 1				Analysis Time..: 22:00		
Total Sulfide		WO#:F998C1AC-LCS/F998C1AD-LCSD				LCS Lot-Sample#: D4B270000-198		
	22.9	19.2	mg/L	84		SW846 9030B/9034	02/26/04	4058198
	22.9	18.2	mg/L	80	5.1	SW846 9030B/9034	02/26/04	4058198
		Dilution Factor: 1				Analysis Time..: 13:00		

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: D4B200189 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Specific Conductance		Work Order #: F99891AC	LCS Lot-Sample#: D4B270000-241		
	100	(89 - 109)	MCAWW 120.1	02/24/04	4058241
		Dilution Factor: 1	Analysis Time..: 17:00		
Total Organic Halogens		Work Order #: GAW1J1AC	LCS Lot-Sample#: D4C050000-520		
	91	(75 - 113)	SW846 9020B	03/04/04	4065520
		Dilution Factor: 1	Analysis Time..: 12:00		

NOTE(S):

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

LABORATORY CONTROL SAMPLE DATA REPORT

General Chemistry

Client Lot #...: D4B200189 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Specific Conductance			Work Order #: F99891AC		LCS Lot-Sample#: D4B270000-241		
	1000	1010	umhos/cm	100	MCAWW 120.1	02/24/04	4058241
			Dilution Factor: 1		Analysis Time..: 17:00		
Total Organic Halogens			Work Order #: GAW1J1AC		LCS Lot-Sample#: D4C050000-520		
	100	91.0	ug/L	91	SW846 9020B	03/04/04	4065520
			Dilution Factor: 1		Analysis Time..: 12:00		

NOTE(S):

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

MATRIX SPIKE SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: D4B200189 **Matrix.....:** WATER
Date Sampled...: 02/19/04 12:05 **Date Received..:** 02/20/04

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chemical Oxygen Demand (COD)		WO#: F9TLM1CN-MS/F9TLM1CP-MSD				MS Lot-Sample #: D4B190160-002	
	80	(74 - 109)			MCAWW 410.4	03/02/04	4064298
	74	(74 - 109)	6.8	(0-11)	MCAWW 410.4	03/02/04	4064298
		Dilution Factor: 1					
		Analysis Time..: 16:15					
Chloride		WO#: F9WXG1EF-MS/F9WXG1EG-MSD				MS Lot-Sample #: D4B200161-001	
	103	(80 - 120)			MCAWW 300.0A	02/20/04	4054498
	104	(80 - 120)	0.64	(0-10)	MCAWW 300.0A	02/20/04	4054498
		Dilution Factor: 1					
		Analysis Time..: 15:42					
Chloride		WO#: F9W4R1CR-MS/F9W4R1CT-MSD				MS Lot-Sample #: D4B200189-002	
	97 I	(80 - 120)			MCAWW 300.0A	02/20/04	4054498
	98 I	(80 - 120)	0.19	(0-10)	MCAWW 300.0A	02/20/04	4054498
		Dilution Factor: 1					
		Analysis Time..: 17:47					
Cyanide, Total		WO#: F9VR81DL-MS/F9VR81DM-MSD				MS Lot-Sample #: D4B190326-001	
	92	(78 - 120)			SW846 9012A	03/02/04	4063360
	92	(78 - 120)	0.65	(0-20)	SW846 9012A	03/02/04	4063360
		Dilution Factor: 1					
		Analysis Time..: 15:00					
Fluoride		WO#: F9WXG1ED-MS/F9WXG1EE-MSD				MS Lot-Sample #: D4B200161-001	
	98	(80 - 120)			MCAWW 300.0A	02/20/04	4054499
	98	(80 - 120)	0.60	(0-10)	MCAWW 300.0A	02/20/04	4054499
		Dilution Factor: 1					
		Analysis Time..: 15:42					
Fluoride		WO#: F9W4R1CP-MS/F9W4R1CQ-MSD				MS Lot-Sample #: D4B200189-002	
	92	(80 - 120)			MCAWW 300.0A	02/20/04	4054499
	93	(80 - 120)	0.58	(0-10)	MCAWW 300.0A	02/20/04	4054499
		Dilution Factor: 1					
		Analysis Time..: 17:47					
Nitrate		WO#: F9WXG1EH-MS/F9WXG1EJ-MSD				MS Lot-Sample #: D4B200161-001	
	99	(80 - 120)			MCAWW 300.0A	02/20/04	4054500
	99	(80 - 120)	0.57	(0-10)	MCAWW 300.0A	02/20/04	4054500
		Dilution Factor: 1					
		Analysis Time..: 15:42					

(Continued on next page)

MATRIX SPIKE SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: D4B200189 **Matrix.....:** WATER
Date Sampled...: 02/19/04 12:05 **Date Received..:** 02/20/04

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Nitrate		WO#: F9W4R1CU-MS/F9W4R1CV-MSD				MS Lot-Sample #: D4B200189-002	
	92	(80 - 120)			MCAWW 300.0A	02/20/04	4054500
	92	(80 - 120)	0.21	(0-10)	MCAWW 300.0A	02/20/04	4054500
		Dilution Factor: 1					
		Analysis Time..: 17:47					
Sulfate		WO#: F9WXG1EM-MS/F9WXG1EN-MSD				MS Lot-Sample #: D4B200161-001	
	101	(80 - 120)			MCAWW 300.0A	02/20/04	4054502
	101	(80 - 120)	0.55	(0-10)	MCAWW 300.0A	02/20/04	4054502
		Dilution Factor: 1					
		Analysis Time..: 15:42					
Sulfate		WO#: F9W4R1CW-MS/F9W4R1CX-MSD				MS Lot-Sample #: D4B200189-002	
	97	(80 - 120)			MCAWW 300.0A	02/20/04	4054502
	99	(80 - 120)	1.8	(0-10)	MCAWW 300.0A	02/20/04	4054502
		Dilution Factor: 1					
		Analysis Time..: 19:05					
Total Organic Halogens		WO#: F9TQM1CE-MS/F9TQM1CF-MSD				MS Lot-Sample #: D4B190173-007	
	86	(75 - 113)			SW846 9020B	03/04-03/05/04	4065520
	84	(75 - 113)	1.9	(0-30)	SW846 9020B	03/04-03/05/04	4065520
		Dilution Factor: 1					
		Analysis Time..: 12:00					
Total Organic Carbon		WO#: F904T1DP-MS/F904T1DQ-MSD				MS Lot-Sample #: D4B200401-001	
	105	(85 - 117)			MCAWW 415.1	03/03/04	4064486
	102	(85 - 117)	2.1	(0-10)	MCAWW 415.1	03/03/04	4064486
		Dilution Factor: 1					
		Analysis Time..: 21:00					

NOTE(S):

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

1 Estimated result. Result concentration exceeds the calibration range.

MATRIX SPIKE SAMPLE DATA REPORT

General Chemistry

Client Lot #...: D4B200189 **Matrix.....:** WATER
Date Sampled...: 02/19/04 12:05 **Date Received..:** 02/20/04

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chemical Oxygen Demand (COD)			WO#: F9TLM1CN-MS/F9TLM1CP-MSD				MS Lot-Sample #: D4B190160-002		
	ND	50.0	39.8	mg/L	80		MCAWW 410.4	03/02/04	4064298
	ND	50.0	37.1	mg/L	74	6.8	MCAWW 410.4	03/02/04	4064298
			Dilution Factor: 1						
			Analysis Time..: 16:15						
Chloride			WO#: F9WXG1EF-MS/F9WXG1EG-MSD				MS Lot-Sample #: D4B200161-001		
	5.0	25.0	30.7	mg/L	103		MCAWW 300.0A	02/20/04	4054498
	5.0	25.0	30.9	mg/L	104	0.64	MCAWW 300.0A	02/20/04	4054498
			Dilution Factor: 1						
			Analysis Time..: 15:42						
Chloride			WO#: F9W4R1CR-MS/F9W4R1CT-MSD				MS Lot-Sample #: D4B200189-002		
	27	25.0	51.7 I	mg/L	97		MCAWW 300.0A	02/20/04	4054498
	27	25.0	51.8 I	mg/L	98	0.19	MCAWW 300.0A	02/20/04	4054498
			Dilution Factor: 1						
			Analysis Time..: 17:47						
Cyanide, Total			WO#: F9VR81DL-MS/F9VR81DM-MSD				MS Lot-Sample #: D4B190326-001		
	ND	0.100	0.0916	mg/L	92		SW846 9012A	03/02/04	4063360
	ND	0.100	0.0922	mg/L	92	0.65	SW846 9012A	03/02/04	4063360
			Dilution Factor: 1						
			Analysis Time..: 15:00						
Fluoride			WO#: F9WXG1ED-MS/F9WXG1EE-MSD				MS Lot-Sample #: D4B200161-001		
	ND	5.00	4.92	mg/L	98		MCAWW 300.0A	02/20/04	4054499
	ND	5.00	4.95	mg/L	98	0.60	MCAWW 300.0A	02/20/04	4054499
			Dilution Factor: 1						
			Analysis Time..: 15:42						
Fluoride			WO#: F9W4R1CP-MS/F9W4R1CQ-MSD				MS Lot-Sample #: D4B200189-002		
	0.50	5.00	5.11	mg/L	92		MCAWW 300.0A	02/20/04	4054499
	0.50	5.00	5.14	mg/L	93	0.58	MCAWW 300.0A	02/20/04	4054499
			Dilution Factor: 1						
			Analysis Time..: 17:47						
Nitrate			WO#: F9WXG1EH-MS/F9WXG1EJ-MSD				MS Lot-Sample #: D4B200161-001		
	0.24	5.00	5.18	mg/L	99		MCAWW 300.0A	02/20/04	4054500
	0.24	5.00	5.21	mg/L	99	0.57	MCAWW 300.0A	02/20/04	4054500
			Dilution Factor: 1						
			Analysis Time..: 15:42						

(Continued on next page)

MATRIX SPIKE SAMPLE DATA REPORT

General Chemistry

Client Lot #...: D4B200189 **Matrix.....:** WATER
Date Sampled...: 02/19/04 12:05 **Date Received..:** 02/20/04

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Nitrate			WO#: F9W4R1CU-MS/F9W4R1CV-MSD				MS Lot-Sample #: D4B200189-002		
	0.080	5.00	4.68	mg/L	92		MCAWW 300.0A	02/20/04	4054500
	0.080	5.00	4.69	mg/L	92	0.21	MCAWW 300.0A	02/20/04	4054500
			Dilution Factor: 1						
			Analysis Time..: 17:47						
Sulfate			WO#: F9WXG1EM-MS/F9WXG1EN-MSD				MS Lot-Sample #: D4B200161-001		
	3.7	25.0	28.9	mg/L	101		MCAWW 300.0A	02/20/04	4054502
	3.7	25.0	29.0	mg/L	101	0.55	MCAWW 300.0A	02/20/04	4054502
			Dilution Factor: 1						
			Analysis Time..: 15:42						
Sulfate			WO#: F9W4R1CW-MS/F9W4R1CX-MSD				MS Lot-Sample #: D4B200189-002		
	53	125	174	mg/L	97		MCAWW 300.0A	02/20/04	4054502
	53	125	177	mg/L	99	1.8	MCAWW 300.0A	02/20/04	4054502
			Dilution Factor: 1						
			Analysis Time..: 19:05						
Total Organic Halogens			WO#: F9TQM1CE-MS/F9TQM1CF-MSD				MS Lot-Sample #: D4B190173-007		
	39	200	210	ug/L	86		SW846 9020B	03/04-03/05/04	4065520
	39	200	206	ug/L	84	1.9	SW846 9020B	03/04-03/05/04	4065520
			Dilution Factor: 1						
			Analysis Time..: 12:00						
Total Organic Carbon			WO#: F904T1DP-MS/F904T1DQ-MSD				MS Lot-Sample #: D4B200401-001		
	2.5	25.0	28.7	mg/L	105		MCAWW 415.1	03/03/04	4064486
	2.5	25.0	28.1	mg/L	102	2.1	MCAWW 415.1	03/03/04	4064486
			Dilution Factor: 1						
			Analysis Time..: 21:00						

NOTE(S):

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

I Estimated result. Result concentration exceeds the calibration range.

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: D4B200189 **Work Order #...:** F9VJC-SMP F9VJC-DUP **Matrix.....:** WATER

Date Sampled...: 02/19/04 09:15 **Date Received..:** 02/19/04

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Biochemical Oxygen Demand (BOD)						SD Lot-Sample #: D4B180297-018		
	5.4	7.8	mg/L	38	(0-20)	MCAWW 405.1	02/20/04	4051571

Dilution Factor: 1 Analysis Time..: 12:00

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: D4B200189 **Work Order #...:** F9W38-SMP F9W38-DUP **Matrix.....:** WATER

Date Sampled...: 02/19/04 09:05 **Date Received..:** 02/20/04

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Dissolved Solids						SD Lot-Sample #: D4B200189-001		
	310	310	mg/L	0.32	(0-20)	MCAWW 160.1	02/24/04	4055518

Dilution Factor: 1 Analysis Time..: 14:00

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: D4B200189 **Work Order #...:** F9T09-SMP F9T09-DUP **Matrix.....:** WATER

Date Sampled...: 02/18/04 10:46 **Date Received..:** 02/19/04

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Specific Conductance						SD Lot-Sample #:	D4B190218-001	
	840 J	840	umhos/cm	0.72	(0-7.0)	MCAWW 120.1	02/24/04	4058241

Dilution Factor: 1 Analysis Time..: 17:00

NOTE(S):

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

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

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: D4B200189 **Work Order #...:** F90MF-SMP F90MF-DUP **Matrix.....:** WATER

Date Sampled...: 02/17/04 11:04 **Date Received..:** 02/20/04

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Alkalinity						SD Lot-Sample #:	D4B200361-006	
	95	97	mg/L	1.5	(0-10)	MCAWW 310.1	02/26/04	4058300

Dilution Factor: 1 Analysis Time..: 19:00

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: D4B200189 **Work Order #...:** F988V-SMP F988V-DUP **Matrix.....:** WATER

Date Sampled...: 02/26/04 08:00 **Date Received..:** 02/26/04

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Cyanide						SD Lot-Sample #:	D4B260128-009	
	0.20	0.20	mg/L	1.2	(0-20)	SW846 9012A	03/02/04	4063369
			Dilution Factor: 1			Analysis Time..: 15:00		
Total Cyanide						SD Lot-Sample #:	D4B260128-009	
	0.20	0.20	mg/L	1.2	(0-20)	SW846 9012A	03/02/04	4063360
			Dilution Factor: 1			Analysis Time..: 15:00		

Chain of Custody Record

STL Denver
4955 Yarrow Street
Arvada, CO 80002

Sil 0 2/20/04

SEVERN TRENT SERVICES

Severn Trent Laboratories, Inc.

STL-4124 (1200) **DEN (0900)**

Client: SCS-ENG. C/O WASTE MGMT	Project Manager: TINA SCHMIESING	Date: 2/19/04	Chain of Custody Number: 091590
Address: 3711 LONG BEACH BLVD 7TH	Telephone Number (Area Code)/Fax Number: 1800 326-9544	Lab Number: 1B200189	Page 1 of 1
City: LONG BEACH; State: CA; Zip Code: 90807	Site Contact: BRUCE M.	Lab Contact: BETSY F.	
Project Name and Location (State): BRADLEY LF	Carrier/Waybill Number:		
Contract/Purchase Order/Quote No.: 234-25662-C			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Air	Aqueous	Sed.	Soil		Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH		Cont.	Tot. Alk	SO4/Cl/F	TDS	Metals tot	TOC	COD/TOC	VOA	Metals diss.	BOD	NO3 (NO2)	BNA	CN	T. Sulfides	Special Instructions/ Conditions of Receipt
4926 C	2/19/04	0905		X				5	2	2	3	1	1		X	X	X	X	X	X	X	X	X	X	X	X	X	X	
4926 C (DUPLICATE)	2/19/04	0935		X				5	2	2	3	1	1		X	X	X	X	X	X	X	X	X	X	X	X	X	X	
TRIP BLANK	2/19/04	0950		X							1											X							

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown

Sample Disposal: ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 3 months)

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify):

	Date	Time		Date	Time
1. Relinquished By	2/19/04	1500	1. Received By	2/20/04	0900
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments

DISTRIBUTION: WHITE - Stays with the Sample; CANARY - Returned to Client with Report; PINK - Field Copy

FIELD INFORMATION FORM

WASTE MANAGEMENT

Site Name: BRADLEY LF

Site No.:

Sample Point: 4926 C (Sample ID)

This Waste Management Field Information Form is Required
This form is to be completed, in addition to any State Forms. The Field Form is submitted along with the Chain of Custody Forms that accompany the sample containers (i.e. with the cooler that is returned to the laboratory).

Laboratory Use Only/Lab ID: D4B200189-001

PURGE INFO

PURGE DATE (MM DD YY)	PURGE TIME (2400 Hr Clock)	ELAPSED HRS (hrs:min)	WATER VOL IN CASING (Gallons)	ACTUAL VOL PURGED (Gallons)	WELL VOLs PURGED
021904	0745	1:25	160	60	

Note: For Passive Sampling, replace "Water Vol in Casing" and "Well Vols Purged" w/ Water Vol in Tubing/Flow Cell and Tubing/Flow Cell Vols Purged. Mark changes, record field data, below.

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment ... Dedicated: (Y) or N

Purging Device: C — A- Submersible Pump, B-Peristaltic Pump, C-QED Bladder Pump, D-Bailer, E-Piston Pump, F-Dipper/Bottle

Sampling Device: C

X-Other:

Filter Device: (0) or N — (0.45 µ) or ____ µ (circle or fill in)

Filter Type: A — A-In-line Disposable, B-Pressure, C-Vacuum, X-Other ____

Sample Tube Type: A — A-Teflon, B-Stainless Steel, C-PVC, D-Polypropylene, X-Other: ____

WELL DATA

Well Elevation (at TOC): 901.21 (ft/msl)

Depth to Water (DTW) (from TOC): 273.58 (ft)

Groundwater Elevation (site datum, from TOC): ____ (ft/msl)

Total Well Depth (from TOC): 260 (ft)

Stick Up (from ground elevation): ____ (ft)

Casing ID: 4.5 (in)

Casing Material: PVC

Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data, unless required by Site/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

STABILIZATION DATA (Optional)

	Sample Time (2400 Hr Clock)	Rate/Unit	pH (std)	Conductance (SC/EC) (µmhos/cm @ 25 °C)	Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
1st	0807	1.0	7.36	.537	23.9	0.9	1.4	—	—
2nd	0831	3.0	7.34	.534	24.0	1.2	0.7	—	—
3rd	0853	5.0	7.35	.533	23.9	2.1	0.5	—	—
4th	0904	6.0	7.35	.531	24.0	2.0	0.4	—	—
Suggested range for 3 consec. readings or note Permit/State requirements:			+/- 0.2	+/- 3%	--	--	+/- 10%	+/- 25 mV	Stabilize

Stabilization Data Fields are Optional *(i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State/Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form.*

FIELD DATA

SAMPLE DATE (MM DD YY)	pH (std)	CONDUCTANCE (umhos/cm @ 25°C)	TEMP. (°C)	TURBIDITY (ntu)	DO (mg/L-ppm)	eH/ORP (mV)	Other: ____ Units gal.
021904	7.35	.531	24.0	2.0	0.4	—	—

Final Field Readings are required *(i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site.*

Sample Appearance: clear Odor: None Color: clear Other: ____

Weather Conditions (required daily, or as conditions change): Direction/Speed: ____ Outlook: ____ Precipitation: Y or (N)

Specific Comments (including purge/well volume calculations if required):

FIELD COMMENTS

* Samples collected when readings had stabilized @ 6 gal
* Samples collected @ 0905 HRS.
* Duplicate Samples collected @ 0935 HRS

I certify that sampling procedures were in accordance with applicable EPA, State, and WM protocols (if more than one sampler, all should sign):

Date	Name	Signature	Company
02.19.04	Ernesto Martinez	[signature]	SES-FS.

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy

STL-8029WM R 10/00

DB 3/9/04

SEVERN TRENT STL

STL Denver
4955 Yarrow Street
Arvada, CO 80002

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

ANALYTICAL REPORT

Project No. Site 234

Bradley LF

Lot #: D4B270172

Groundwater

Bruce Matlock

Waste Mgmt. Disp. Serv. of CA
9081 Tujunga
Sun Valley, CA 91352

Cc: Tina Schmiesing

STL DENVER

Betsy Farnaus
Project Manager

March 17, 2004

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- **Executive Summary – Detection Highlights**
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- **Method/Analyst Summary**
- **Lot Sample Summary**
- **Analytical Results**
- **QC Data Association Summary**
- **Chain-of-Custody**

Case Narrative

Enclosed is the report for two samples received at STL's Denver laboratory on February 27, 2004. The results included in this report have been reviewed for compliance with STL's Laboratory Quality Manual. The test results shown in this report meet all requirements of NELAC and any exceptions are noted below.

This report may include data with reporting limits (RLs) less than STL Denver's standard reporting limits. These data and reporting limits are being used specifically to meet the needs of this project. Note that, data are not customarily reported to these levels without qualifiers, because they are inherently less reliable and potentially less defensible than the latest industry standards require. Please contact STL Denver for more details.

Dilution factors and footnotes have been provided to assist in the interpretation of the results. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at concentrations above the linear calibration curve, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

STL utilizes USEPA approved methods in all analytical work. The samples presented in this report were analyzed for the parameters listed on the analytical methods summary page in accordance with the methods indicated. A summary of quality control parameters is provided below.

This report shall not be reproduced except in full, without the written approval of the laboratory.

Quality Control Summary for Lot D4B270172

Sample Receiving

- The cooler temperatures upon receipt at the Denver laboratory was 2.7°C.
- All sample bottles were received in acceptable condition.

Holding Times

- All holding times were within established control limits.

Method Blanks

- Total Beryllium, Dissolved Calcium Method 6010B, Specific Conductance Method 120.1 and Total Dissolved Solids (TDS) Method 160.1 were detected in the Method Blanks below the project established reporting limits. No corrective action is taken for any values in Method Blanks that are below the requested reporting limits. The Method Blank data are included at the end of this report.
- All other Method Blanks were within established control limits.

Laboratory Control Samples

- All Laboratory Control Samples were within established control limits.

Matrix Spike and Matrix Spike Duplicate (MS/MSD)

- The Method 8260B Matrix Spike and Matrix Spike Duplicate performed on an unrelated sample exhibited an MSD recovery outside control limits for Trichloroethene. Because the corresponding Laboratory Control Sample and the Method Blank sample were within control limits, this anomaly may be due to matrix interference and no corrective action was taken.

- The percent recoveries of the MS/MSD and/or the relative percent difference were not calculated for Total Manganese during Method 6010B analysis because the sample concentration was greater than four times the spike amount.

- Due to the result concentration exceeding the calibration range the MS/MSD results for Chloride Method 300.0A are estimated.

- All other MS and MSD samples were within established control limits.

EXECUTIVE SUMMARY - Detection Highlights

D4B270172

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
4916G 02/26/04 10:05 001				
Calcium - DISSOLVED	61000 J	200	ug/L	SW846 6010B
Magnesium - DISSOLVED	17000	200	ug/L	SW846 6010B
Sodium - DISSOLVED	27000	5000	ug/L	SW846 6010B
Potassium - DISSOLVED	4200 B	5000	ug/L	SW846 6010B
Iron - DISSOLVED	39 B	100	ug/L	SW846 6010B
Arsenic	6.2 B	10	ug/L	SW846 6010B
Cadmium	0.27 B	5.0	ug/L	SW846 6010B
Cobalt	1.4 B	10	ug/L	SW846 6010B
Manganese	2600	10	ug/L	SW846 6010B
Barium	85 B	100	ug/L	SW846 6010B
Potassium	3900 B	5000	ug/L	SW846 6010B
Copper	1.1 B	10	ug/L	SW846 6010B
Beryllium	1.2 B,J	5.0	ug/L	SW846 6010B
Boron	170	100	ug/L	SW846 6010B
cis-1,2-Dichloroethene	0.16 J	10	ug/L	SW846 8260B
Vinyl chloride	0.26 J	1.0	ug/L	SW846 8260B
Specific Conductance	600 J	2.0	umhos/cm	MCAWW 120.1
Total Dissolved Solids	350 J	10	mg/L	MCAWW 160.1
Chloride	27	3.0	mg/L	MCAWW 300.0A
Sulfate	50 Q	25	mg/L	MCAWW 300.0A
Fluoride	0.46 B	1.0	mg/L	MCAWW 300.0A
Total Organic Carbon	0.58 B	1.0	mg/L	MCAWW 415.1
Total Organic Carbon	0.70 B	1.0	mg/L	MCAWW 415.1
Total Sulfide	0.43 B	4.0	mg/L	SW846 9030B/9034
Bicarbonate Alkalinity	180	5.0	mg/L	MCAWW 310.1
Total Alkalinity	180	5.0	mg/L	MCAWW 310.1

PREPARATION METHODS SUMMARY

D4B270172

PREPARATION DESCRIPTION	PREPARATION METHOD	ANALYTICAL METHOD
Acid Digestion for Total Recoverable Metals	SW846 3005A	SW846 6010B
Bicarbonate Alkalinity	MCAWW 310.1	MCAWW 310.1
Carbonate Alkalinity	MCAWW 310.1	MCAWW 310.1
Chemical Oxygen Demand	MCAWW 410.4	MCAWW 410.4
Chloride	MCAWW 300.0A	MCAWW 300.0A
Continuous Liquid-Liquid Extraction	SW846 3520C	SW846 8270C
Distillation procedure	SW846 9012A	SW846 9012A
Filterable Residue (TDS)	MCAWW 160.1	MCAWW 160.1
Fluoride	MCAWW 300.0A	MCAWW 300.0A
Incubation	MCAWW 405.1	MCAWW 405.1
Mercury Sample Preparation	SW846 7470A	SW846 7470A
Nitrate	MCAWW 300.0A	MCAWW 300.0A
Potentiometric titration to preselected pH	MCAWW 310.1	MCAWW 310.1
Specific Conductance	MCAWW 120.1	MCAWW 120.1
Sulfate	MCAWW 300.0A	MCAWW 300.0A
Sulfides, Total	SW846 9030B/903	SW846 9030B/903
Total Organic Carbon	MCAWW 415.1	MCAWW 415.1
Total Organic Halogens	SW846 9020B	SW846 9020B
25 mL Purge-and-Trap	SW846 5030B/826	SW846 8260B

References:

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

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

ANALYTICAL METHODS SUMMARY

D4B270172

PARAMETER	ANALYTICAL METHOD
Alkalinity	MCAWW 310.1
Bicarbonate Alkalinity	MCAWW 310.1
Biochemical Oxygen Demand	MCAWW 405.1
Carbonate Alkalinity	MCAWW 310.1
Chemical Oxygen Demand	MCAWW 410.4
Chloride	MCAWW 300.0A
Cyanide, Total	SW846 9012A
Filterable Residue (TDS)	MCAWW 160.1
Fluoride	MCAWW 300.0A
Inductively Coupled Plasma (ICP) Metals	SW846 6010B
Mercury in Liquid Waste (Manual Cold-Vapor)	SW846 7470A
Nitrate as N	MCAWW 300.0A
Semivolatile Organic Compounds by GC/MS	SW846 8270C
Specific Conductance	MCAWW 120.1
Sulfate	MCAWW 300.0A
Sulfides, Total 9030B/9034	SW846 9030B/9034
Total Organic Carbon	MCAWW 415.1
Total Organic Halogens	SW846 9020B
Trace Inductively Coupled Plasma (ICP) Metals	SW846 6010B
Volatile Organics by GC/MS	SW846 8260B

References:

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

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

METHOD / ANALYST SUMMARY

D4B270172

ANALYTICAL METHOD	ANALYST	ANALYST ID
MCAWW 120.1	Ewa Kudla	001167
MCAWW 160.1	Jean Carrier	008763
MCAWW 300.0A	Andrita Scofield	004409
MCAWW 310.1	Ewa Kudla	001167
MCAWW 405.1	Jaclyn Dlhos	009462
MCAWW 410.4	Nicole Dean	008504
MCAWW 415.1	Duane Allee	001470
SW846 6010B	Kristen Roda	5692
SW846 6010B	Lynn-Anne Trudell	6645
SW846 7470A	Kacey Ono	003371
SW846 8260B	Greg Meier	006004
SW846 8270C	David Kidd	007536
SW846 9012A	Ewa Kudla	001167
SW846 9020B	Duane Allee	001470
SW846 9030B/9034	Claire Likar	004382

References:

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

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

SAMPLE SUMMARY

D4B270172

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
GAAE5	001	4916G	02/26/04	10:05
GAAFA	002	TRIP BLANK	02/26/04	

NOTE(S):

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

WASTE MANAGEMENT INC.

Client Sample ID: 4916G

GC/MS Volatiles

Lot-Sample #...: D4B270172-001 **Work Order #...:** GAAE51AT **Matrix.....:** WATER
Date Sampled...: 02/26/04 10:05 **Date Received..:** 02/27/04
Prep Date.....: 03/10/04 **Analysis Date..:** 03/11/04
Prep Batch #...: 4072561 **Analysis Time..:** 03:28
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	34	ug/L	2.5
Acrylonitrile	ND	100	ug/L	3.1
Benzene	ND	1.0	ug/L	0.17
Bromochloromethane	ND	10	ug/L	0.27
Bromodichloromethane	ND	5.0	ug/L	0.20
Bromoform	ND	5.0	ug/L	0.23
Bromomethane	ND	10	ug/L	0.22
Carbon disulfide	ND	5.0	ug/L	0.24
Carbon tetrachloride	ND	0.50	ug/L	0.20
Chlorobenzene	ND	5.0	ug/L	0.13
Dibromochloromethane	ND	5.0	ug/L	0.19
Chloroethane	ND	10	ug/L	0.18
Chloroform	ND	5.0	ug/L	0.17
Chloromethane	ND	10	ug/L	0.91
Dibromomethane	ND	10	ug/L	0.31
1,2-Dichlorobenzene	ND	10	ug/L	0.15
1,4-Dichlorobenzene	ND	10	ug/L	0.16
trans-1,4-Dichloro-2-butene	ND	10	ug/L	0.45
Dichlorodifluoromethane	ND	10	ug/L	0.22
1,1-Dichloroethane	ND	5.0	ug/L	0.22
1,2-Dichloroethane	ND	5.0	ug/L	0.26
1,1-Dichloroethene	ND	1.0	ug/L	0.23
cis-1,2-Dichloroethene	**0.16 J**	**10**	**ug/L**	**0.14**
trans-1,2-Dichloroethene	ND	10	ug/L	0.15
1,2-Dichloropropane	ND	5.0	ug/L	0.18
cis-1,3-Dichloropropene	ND	5.0	ug/L	0.19
trans-1,3-Dichloropropene	ND	5.0	ug/L	0.20
Ethylbenzene	ND	5.0	ug/L	0.12
Trichlorofluoromethane	ND	10	ug/L	0.24
2-Hexanone	ND	5.0	ug/L	1.7
Iodomethane	ND	10	ug/L	0.19
Methylene chloride	ND	5.0	ug/L	0.21
4-Methyl-2-pentanone	ND	10	ug/L	0.98
Styrene	ND	5.0	ug/L	0.14
1,1,1,2-Tetrachloroethane	ND	5.0	ug/L	0.21
1,1,2,2-Tetrachloroethane	ND	5.0	ug/L	0.21
Tetrachloroethene	ND	5.0	ug/L	0.26

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WASTE MANAGEMENT INC.

Client Sample ID: 4916G

GC/MS Volatiles

Lot-Sample #...: D4B270172-001 **Work Order #...:** GAAE51AT **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Toluene	ND	1.0	ug/L	0.15
1,1,1-Trichloroethane	ND	5.0	ug/L	0.16
1,1,2-Trichloroethane	ND	5.0	ug/L	0.27
Trichloroethene	ND	5.0	ug/L	0.16
1,2,3-Trichloropropane	ND	10	ug/L	0.33
Vinyl acetate	ND	10	ug/L	0.56
Vinyl chloride	**0.26 J**	**1.0**	**ug/L**	**0.19**
Xylenes (total)	ND	10	ug/L	0.41
1,2-Dibromo-3-chloropropane (DBCP)	ND	10	ug/L	0.47
1,2-Dibromoethane (EDB)	ND	1.0	ug/L	0.18
2-Butanone (MEK)	ND	10	ug/L	2.0

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	88	(76 - 116)
1,2-Dichloroethane-d4	82	(59 - 129)
4-Bromofluorobenzene	89	(74 - 114)
Toluene-d8	79	(76 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

WASTE MANAGEMENT INC.

Client Sample ID: TRIP BLANK

GC/MS Volatiles

Lot-Sample #...: D4B270172-002 **Work Order #...:** GAAFA1AA **Matrix.....:** WATER
Date Sampled...: 02/26/04 **Date Received..:** 02/27/04
Prep Date.....: 03/10/04 **Analysis Date..:** 03/11/04
Prep Batch #...: 4072561 **Analysis Time..:** 03:52
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	34	ug/L	2.5
Acrylonitrile	ND	100	ug/L	3.1
Benzene	ND	1.0	ug/L	0.17
Bromochloromethane	ND	10	ug/L	0.27
Bromodichloromethane	ND	5.0	ug/L	0.20
Bromoform	ND	5.0	ug/L	0.23
Bromomethane	ND	10	ug/L	0.22
Carbon disulfide	ND	5.0	ug/L	0.24
Carbon tetrachloride	ND	0.50	ug/L	0.20
Chlorobenzene	ND	5.0	ug/L	0.13
Dibromochloromethane	ND	5.0	ug/L	0.19
Chloroethane	ND	10	ug/L	0.18
Chloroform	ND	5.0	ug/L	0.17
Chloromethane	ND	10	ug/L	0.91
Dibromomethane	ND	10	ug/L	0.31
1,2-Dichlorobenzene	ND	10	ug/L	0.15
1,4-Dichlorobenzene	ND	10	ug/L	0.16
trans-1,4-Dichloro-2-butene	ND	10	ug/L	0.45
Dichlorodifluoromethane	ND	10	ug/L	0.22
1,1-Dichloroethane	ND	5.0	ug/L	0.22
1,2-Dichloroethane	ND	5.0	ug/L	0.26
1,1-Dichloroethene	ND	1.0	ug/L	0.23
cis-1,2-Dichloroethene	ND	10	ug/L	0.14
trans-1,2-Dichloroethene	ND	10	ug/L	0.15
1,2-Dichloropropane	ND	5.0	ug/L	0.18
cis-1,3-Dichloropropene	ND	5.0	ug/L	0.19
trans-1,3-Dichloropropene	ND	5.0	ug/L	0.20
Ethylbenzene	ND	5.0	ug/L	0.12
Trichlorofluoromethane	ND	10	ug/L	0.24
2-Hexanone	ND	5.0	ug/L	1.7
Iodomethane	ND	10	ug/L	0.19
Methylene chloride	ND	5.0	ug/L	0.21
4-Methyl-2-pentanone	ND	10	ug/L	0.98
Styrene	ND	5.0	ug/L	0.14
1,1,1,2-Tetrachloroethane	ND	5.0	ug/L	0.21
1,1,2,2-Tetrachloroethane	ND	5.0	ug/L	0.21
Tetrachloroethene	ND	5.0	ug/L	0.26

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WASTE MANAGEMENT INC.

Client Sample ID: TRIP BLANK

GC/MS Volatiles

Lot-Sample #...: D4B270172-002 **Work Order #...:** GAAFA1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Toluene	ND	1.0	ug/L	0.15
1,1,1-Trichloroethane	ND	5.0	ug/L	0.16
1,1,2-Trichloroethane	ND	5.0	ug/L	0.27
Trichloroethene	ND	5.0	ug/L	0.16
1,2,3-Trichloropropane	ND	10	ug/L	0.33
Vinyl acetate	ND	10	ug/L	0.56
Vinyl chloride	ND	1.0	ug/L	0.19
Xylenes (total)	ND	10	ug/L	0.41
1,2-Dibromo-3-chloropropane (DBCP)	ND	10	ug/L	0.47
1,2-Dibromoethane (EDB)	ND	1.0	ug/L	0.18
2-Butanone (MEK)	ND	10	ug/L	2.0

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	90	(76 - 116)
1,2-Dichloroethane-d4	80	(59 - 129)
4-Bromofluorobenzene	88	(74 - 114)
Toluene-d8	81	(76 - 116)

WASTE MANAGEMENT INC.

Client Sample ID: 4916G

GC/MS Semivolatiles

Lot-Sample #...: D4B270172-001 **Work Order #...:** GAAE51A5 **Matrix.....:** WATER
Date Sampled...: 02/26/04 10:05 **Date Received..:** 02/27/04
Prep Date.....: 02/29/04 **Analysis Date..:** 03/06/04
Prep Batch #...: 4060093 **Analysis Time..:** 04:46
Dilution Factor: 1

Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acenaphthene	ND	10	ug/L	0.60
Acenaphthylene	ND	10	ug/L	0.60
Acetophenone	ND	10	ug/L	2.0
2-Acetylaminofluorene	ND	100	ug/L	2.0
4-Aminobiphenyl	ND	50	ug/L	2.0
Anthracene	ND	10	ug/L	3.0
Benzo(a)anthracene	ND	10	ug/L	0.80
Benzo(b)fluoranthene	ND	10	ug/L	0.90
Benzo(k)fluoranthene	ND	10	ug/L	2.0
Benzo(ghi)perylene	ND	10	ug/L	1.0
Benzo(a)pyrene	ND	10	ug/L	0.80
Benzyl alcohol	ND	10	ug/L	1.0
bis(2-Chloroethoxy) methane	ND	10	ug/L	0.90
bis(2-Chloroethyl)-ether	ND	10	ug/L	3.0
bis(2-Ethylhexyl) phthalate	ND	10	ug/L	0.90
4-Bromophenyl phenyl ether	ND	10	ug/L	0.70
Butyl benzyl phthalate	ND	10	ug/L	1.0
4-Chloroaniline	ND	10	ug/L	3.0
Chlorobenzilate	ND	10	ug/L	2.0
4-Chloro-3-methylphenol	ND	10	ug/L	0.80
2-Chloronaphthalene	ND	10	ug/L	0.70
2-Chlorophenol	ND	10	ug/L	0.80
4-Chlorophenyl phenyl ether	ND	10	ug/L	0.60
Chrysene	ND	10	ug/L	0.80
Diallate	ND	20	ug/L	2.0
Dibenz(a,h)anthracene	ND	10	ug/L	0.90
Dibenzofuran	ND	10	ug/L	0.60
Di-n-butyl phthalate	ND	10	ug/L	0.80
3,3'-Dichlorobenzidine	ND	50	ug/L	8.0
2,4-Dichlorophenol	ND	10	ug/L	0.70
2,6-Dichlorophenol	ND	10	ug/L	2.0
Diethyl phthalate	ND	10	ug/L	0.70
Dimethoate	ND	20	ug/L	2.0

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WASTE MANAGEMENT INC.

Client Sample ID: 4916G

GC/MS Semivolatiles

Lot-Sample #...: D4B270172-001 **Work Order #...:** GAAE51A5 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
4-Dimethylaminoazobenzene	ND	20	ug/L	2.0
7,12-Dimethylbenz(a)-anthracene	ND	20	ug/L	3.0
3,3'-Dimethylbenzidine	ND	20	ug/L	4.0
2,4-Dimethylphenol	ND	10	ug/L	4.0
Dimethyl phthalate	ND	10	ug/L	0.80
1,3-Dinitrobenzene	ND	10	ug/L	2.0
4,6-Dinitro-2-methylphenol	ND	50	ug/L	6.0
2,4-Dinitrophenol	ND	50	ug/L	6.0
2,4-Dinitrotoluene	ND	10	ug/L	1.0
2,6-Dinitrotoluene	ND	10	ug/L	0.80
Dinoseb	ND	10	ug/L	2.0
Di-n-octyl phthalate	ND	10	ug/L	1.0
Diphenylamine	ND	10	ug/L	2.0
Disulfoton	ND	50	ug/L	2.0
Ethyl methanesulfonate	ND	10	ug/L	2.0
Famphur	ND	200	ug/L	9.0
Fluoranthene	ND	10	ug/L	0.70
Fluorene	ND	10	ug/L	0.60
Hexachlorobenzene	ND	10	ug/L	0.80
Hexachlorobutadiene	ND	10	ug/L	1.0
Hexachlorocyclopentadiene	ND	50	ug/L	5.0
Hexachloroethane	ND	10	ug/L	0.80
Hexachloropropene	ND	100	ug/L	1.0
Indeno(1,2,3-cd)pyrene	ND	10	ug/L	0.80
Isodrin	ND	10	ug/L	5.0
Isophorone	ND	10	ug/L	0.90
Isosafrole	ND	20	ug/L	3.0
Methapyrilene	ND	50	ug/L	20
3-Methylcholanthrene	ND	20	ug/L	1.0
Methyl methanesulfonate	ND	10	ug/L	2.0
2-Methylnaphthalene	ND	10	ug/L	0.80
Methyl parathion	ND	50	ug/L	2.0
2-Methylphenol	ND	10	ug/L	0.90
3-Methylphenol & 4-Methylphenol	ND	10	ug/L	0.80
Naphthalene	ND	10	ug/L	0.80
1,4-Naphthoquinone	ND	50	ug/L	2.0
1-Naphthylamine	ND	10	ug/L	1.0
2-Naphthylamine	ND	10	ug/L	1.0
2-Nitroaniline	ND	50	ug/L	0.90

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WASTE MANAGEMENT INC.

Client Sample ID: 4916G

GC/MS Semivolatiles

Lot-Sample #...: D4B270172-001 **Work Order #...:** GAAE51A5 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
3-Nitroaniline	ND	50	ug/L	0.90
4-Nitroaniline	ND	50	ug/L	6.0
Nitrobenzene	ND	10	ug/L	2.0
2-Nitrophenol	ND	10	ug/L	0.80
4-Nitrophenol	ND	50	ug/L	7.0
N-Nitrosodi-n-butylamine	ND	10	ug/L	2.0
N-Nitrosodiethylamine	ND	10	ug/L	2.0
N-Nitrosodimethylamine	ND	10	ug/L	0.80
N-Nitrosodiphenylamine	ND	10	ug/L	1.0
N-Nitrosodi-n-propyl-amine	ND	10	ug/L	0.70
N-Nitrosomethylethylamine	ND	10	ug/L	2.0
N-Nitrosopiperidine	ND	10	ug/L	2.0
N-Nitrosopyrrolidine	ND	10	ug/L	2.0
5-Nitro-o-toluidine	ND	20	ug/L	2.0
2,2'-oxybis(1-Chloropropane)	ND	10	ug/L	0.70
Parathion	ND	50	ug/L	2.0
Pentachlorobenzene	ND	10	ug/L	2.0
Pentachloronitrobenzene	ND	50	ug/L	2.0
Pentachlorophenol	ND	50	ug/L	5.0
Phenacetin	ND	20	ug/L	2.0
Phenanthrene	ND	10	ug/L	0.70
Phenol	ND	10	ug/L	0.90
4-Phenylenediamine	ND	100	ug/L	5.0
Phorate	ND	50	ug/L	2.0
Pronamide	ND	20	ug/L	2.0
Pyrene	ND	10	ug/L	0.80
Safrole	ND	50	ug/L	2.0
1,2,4,5-Tetrachloro-benzene	ND	10	ug/L	2.0
2,3,4,6-Tetrachlorophenol	ND	50	ug/L	2.0
Thionazin	ND	10	ug/L	2.0
o-Toluidine	ND	10	ug/L	2.0
1,2,4-Trichloro-benzene	ND	10	ug/L	0.90
2,4,5-Trichloro-phenol	ND	10	ug/L	1.0
2,4,6-Trichloro-phenol	ND	10	ug/L	0.80
O,O,O-Triethylphosphoro-thioate	ND	50	ug/L	2.0
1,3,5-Trinitrobenzene	ND	50	ug/L	2.0

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WASTE MANAGEMENT INC.

Client Sample ID: 4916G

GC/MS Semivolatiles

Lot-Sample #...: D4B270172-001 **Work Order #...:** GAAE51A5 **Matrix.....:** WATER

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	90	(32 - 116)
Phenol-d5	97	(40 - 111)
Nitrobenzene-d5	103	(53 - 107)
2-Fluorobiphenyl	83	(31 - 105)
2,4,6-Tribromophenol	80	(42 - 122)
Terphenyl-d14	116	(21 - 125)

WASTE MANAGEMENT INC.

Client Sample ID: 4916G

TOTAL Metals

Lot-Sample #...: D4B270172-001 **Matrix.....:** WATER
Date Sampled...: 02/26/04 10:05 **Date Received..:** 02/27/04

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 4061217						
Mercury	ND	0.20	ug/L	SW846 7470A	03/03/04	GAAE51CL
		Dilution Factor: 1		Analysis Time..: 20:34	MDL.....: 0.054	
Prep Batch #...: 4063603						
Manganese	**2600**	**10**	**ug/L**	**SW846 6010B**	**03/04-03/05/04**	**GAAE51AH**
		Dilution Factor: 1		Analysis Time..: 18:47	MDL.....: 0.54	
Barium	**85 B**	**100**	**ug/L**	**SW846 6010B**	**03/04-03/05/04**	**GAAE51AJ**
		Dilution Factor: 1		Analysis Time..: 18:47	MDL.....: 0.37	
Potassium	**3900 B**	**5000**	**ug/L**	**SW846 6010B**	**03/04-03/12/04**	**GAAE51AR**
		Dilution Factor: 1		Analysis Time..: 02:42	MDL.....: 460	
Silver	ND	10	ug/L	SW846 6010B	03/04-03/05/04	GAAE51A8
		Dilution Factor: 1		Analysis Time..: 18:47	MDL.....: 0.70	
Arsenic	**6.2 B**	**10**	**ug/L**	**SW846 6010B**	**03/04-03/05/04**	**GAAE51A9**
		Dilution Factor: 1		Analysis Time..: 18:47	MDL.....: 4.9	
Cadmium	**0.27 B**	**5.0**	**ug/L**	**SW846 6010B**	**03/04-03/05/04**	**GAAE51CA**
		Dilution Factor: 1		Analysis Time..: 18:47	MDL.....: 0.27	
Cobalt	**1.4 B**	**10**	**ug/L**	**SW846 6010B**	**03/04-03/05/04**	**GAAE51CC**
		Dilution Factor: 1		Analysis Time..: 18:47	MDL.....: 0.67	
Chromium	ND	10	ug/L	SW846 6010B	03/04-03/05/04	GAAE51CD
		Dilution Factor: 1		Analysis Time..: 18:47	MDL.....: 2.1	
Copper	**1.1 B**	**10**	**ug/L**	**SW846 6010B**	**03/04-03/05/04**	**GAAE51CE**
		Dilution Factor: 1		Analysis Time..: 18:47	MDL.....: 0.97	
Nickel	ND	40	ug/L	SW846 6010B	03/04-03/05/04	GAAE51CF
		Dilution Factor: 1		Analysis Time..: 18:47	MDL.....: 4.2	
Lead	ND	3.0	ug/L	SW846 6010B	03/04-03/05/04	GAAE51CG
		Dilution Factor: 1		Analysis Time..: 18:47	MDL.....: 2.1	
Antimony	ND	10	ug/L	SW846 6010B	03/04-03/05/04	GAAE51CH
		Dilution Factor: 1		Analysis Time..: 18:47	MDL.....: 3.6	

(Continued on next page)

WASTE MANAGEMENT INC.

Client Sample ID: 4916G

TOTAL Metals

Lot-Sample #...: D4B270172-001 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Selenium	ND	5.0	ug/L	SW846 6010B	03/04-03/05/04	GAAE51CJ
		Dilution Factor: 1		Analysis Time..: 18:47	MDL.....: 4.6	
Zinc	ND	20	ug/L	SW846 6010B	03/04-03/05/04	GAAE51CK
		Dilution Factor: 1		Analysis Time..: 18:47	MDL.....: 7.1	
Beryllium	**1.2 B,J**	**5.0**	**ug/L**	**SW846 6010B**	**03/04-03/05/04**	**GAAE51CM**
		Dilution Factor: 1		Analysis Time..: 18:47	MDL.....: 0.41	
Boron	**170**	**100**	**ug/L**	**SW846 6010B**	**03/04-03/12/04**	**GAAE51CN**
		Dilution Factor: 1		Analysis Time..: 02:42	MDL.....: 8.3	

NOTE(S):

B Estimated result. Result is less than RL.

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

WASTE MANAGEMENT INC.

Client Sample ID: 4916G

DISSOLVED Metals

Lot-Sample #...: D4B270172-001 **Matrix.....:** WATER
Date Sampled...: 02/26/04 10:05 **Date Received..:** 02/27/04

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 4062598						
Calcium	**61000 J**	**200**	**ug/L**	**SW846 6010B**	**03/04-03/12/04**	**GAAE51AU**
		Dilution Factor: 1		Analysis Time..: 05:53	MDL.....: 76	
Magnesium	**17000**	**200**	**ug/L**	**SW846 6010B**	**03/04-03/12/04**	**GAAE51AV**
		Dilution Factor: 1		Analysis Time..: 05:53	MDL.....: 27	
Sodium	**27000**	**5000**	**ug/L**	**SW846 6010B**	**03/04-03/12/04**	**GAAE51AW**
		Dilution Factor: 1		Analysis Time..: 05:53	MDL.....: 1100	
Potassium	**4200 B**	**5000**	**ug/L**	**SW846 6010B**	**03/04-03/12/04**	**GAAE51AX**
		Dilution Factor: 1		Analysis Time..: 05:53	MDL.....: 460	
Iron	**39 B**	**100**	**ug/L**	**SW846 6010B**	**03/04-03/12/04**	**GAAE51A2**
		Dilution Factor: 1		Analysis Time..: 05:53	MDL.....: 19	

NOTE(S):

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

B Estimated result. Result is less than RL.

WASTE MANAGEMENT INC.

Client Sample ID: 4916G

General Chemistry

Lot-Sample #...: D4B270172-001 **Work Order #...:** GAAE5 **Matrix.....:** WATER
Date Sampled...: 02/26/04 10:05 **Date Received..:** 02/27/04

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Bicarbonate Alkalinity	**180**	**5.0**	**mg/L**	**MCAWW 310.1**	**03/03/04**	**4064527**
		Dilution Factor: 1		Analysis Time..: 17:00	MDL.....: 1.5	
Biochemical Oxygen Demand (BOD)	ND	2.0	mg/L	MCAWW 405.1	02/27/04	4058506
		Dilution Factor: 1		Analysis Time..: 14:00	MDL.....: 0.31	
Carbonate Alkalinity	ND	5.0	mg/L	MCAWW 310.1	03/03/04	4064528
		Dilution Factor: 1		Analysis Time..: 17:00	MDL.....: 1.5	
Chemical Oxygen Demand (COD)	ND	8.0	mg/L	MCAWW 410.4	03/05/04	4068336
		Dilution Factor: 1		Analysis Time..: 14:00	MDL.....: 2.9	
Chloride	**27**	**3.0**	**mg/L**	**MCAWW 300.0A**	**02/27/04**	**4061422**
		Dilution Factor: 1		Analysis Time..: 17:09	MDL.....: 0.20	
Cyanide, Total	ND	0.010	mg/L	SW846 9012A	03/03-03/04/04	4069601
		Dilution Factor: 1		Analysis Time..: 14:00	MDL.....: 0.0028	
Fluoride	**0.46 B**	**1.0**	**mg/L**	**MCAWW 300.0A**	**02/27/04**	**4061424**
		Dilution Factor: 1		Analysis Time..: 17:09	MDL.....: 0.10	
Nitrate	ND	0.50	mg/L	MCAWW 300.0A	02/27/04	4061421
		Dilution Factor: 1		Analysis Time..: 17:09	MDL.....: 0.050	
Specific Conductance	**600 J**	**2.0**	**umhos/cm**	**MCAWW 120.1**	**03/08/04**	**4068565**
		Dilution Factor: 1		Analysis Time..: 13:00	MDL.....:	
Sulfate	**50 Q**	**25**	**mg/L**	**MCAWW 300.0A**	**02/27/04**	**4061423**
		Dilution Factor: 5		Analysis Time..: 17:42	MDL.....: 1.0	
Total Alkalinity	**180**	**5.0**	**mg/L**	**MCAWW 310.1**	**03/03/04**	**4064526**
		Dilution Factor: 1		Analysis Time..: 17:00	MDL.....: 1.5	
Total Dissolved Solids	**350 J**	**10**	**mg/L**	**MCAWW 160.1**	**03/02/04**	**4062554**
		Dilution Factor: 1		Analysis Time..: 14:30	MDL.....: 3.0	
Total Organic Carbon	**0.58 B**	**1.0**	**mg/L**	**MCAWW 415.1**	**03/09/04**	**4070444**
		Dilution Factor: 1		Analysis Time..: 21:00	MDL.....: 0.50	

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WASTE MANAGEMENT INC.

Client Sample ID: 4916G

General Chemistry

Lot-Sample #...: D4B270172-001 **Work Order #...:** GAAE5 **Matrix.....:** WATER

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon 2	**0.70 B**	**1.0**	**mg/L**	**MCAWW 415.1**	**03/09/04**	**4070444**
	Dilution Factor: 1			Analysis Time..: 21:00	MDL.....: 0.50	
Total Organic Halogens	ND	30	ug/L	SW846 9020B	03/13/04	4076400
	Dilution Factor: 1			Analysis Time..: 12:00	MDL.....: 4.8	
Total Organic Halogens 2	ND	30	ug/L	SW846 9020B	03/13/04	4076400
	Dilution Factor: 1			Analysis Time..: 12:00	MDL.....: 4.8	
Total Sulfide	**0.43 B**	**4.0**	**mg/L**	**SW846 9030B/9034**	**03/04/04**	**4070529**
	Dilution Factor: 1			Analysis Time..: 14:00	MDL.....: 0.26	

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

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

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

QC DATA ASSOCIATION SUMMARY

D4B270172

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	WATER	MCAWW 120.1		4068565	4068356
	WATER	MCAWW 160.1		4062554	4069301
	WATER	MCAWW 310.1		4064528	
	WATER	MCAWW 405.1		4058506	4058270
	WATER	MCAWW 300.0A		4061422	4061258
	WATER	MCAWW 300.0A		4061423	4061261
	WATER	MCAWW 300.0A		4061424	4061257
	WATER	MCAWW 300.0A		4061421	4061259
	WATER	MCAWW 415.1		4070444	4070198
	WATER	SW846 9020B		4076400	4074009
	WATER	SW846 7470A		4061217	4061112
	WATER	SW846 8260B		4072561	4072244
	WATER	SW846 8270C		4060093	4060003
	WATER	SW846 6010B		4063603	4063320
	WATER	SW846 6010B		4062598	4062300
	WATER	SW846 9012A		4069601	4069333
	WATER	SW846 9030B/9034		4070529	4070240
	WATER	MCAWW 310.1		4064527	
	WATER	MCAWW 310.1		4064526	4064243
	WATER	MCAWW 410.4		4068336	4068191
002	WATER	SW846 8260B		4072561	4072244

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: D4B270172 **Work Order #...:** GA7W71AA **Matrix.....:** WATER
MB Lot-Sample #: D4C120000-561

Prep Date.....: 03/10/04 **Analysis Time..:** 20:44
Analysis Date..: 03/10/04 **Prep Batch #...:** 4072561
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
1,4-Dichlorobenzene	ND	10	ug/L	SW846 8260B
1,1-Dichloroethane	ND	5.0	ug/L	SW846 8260B
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260B
Tetrachloroethene	ND	5.0	ug/L	SW846 8260B
1,1,1-Trichloroethane	ND	5.0	ug/L	SW846 8260B
Trichloroethene	ND	5.0	ug/L	SW846 8260B
Vinyl chloride	ND	1.0	ug/L	SW846 8260B
trans-1,4-Dichloro-2-butene	ND	10	ug/L	SW846 8260B
Dichlorodifluoromethane	ND	10	ug/L	SW846 8260B
1,2-Dichloroethane	ND	5.0	ug/L	SW846 8260B
cis-1,2-Dichloroethene	ND	10	ug/L	SW846 8260B
trans-1,2-Dichloroethene	ND	10	ug/L	SW846 8260B
1,2-Dichloropropane	ND	5.0	ug/L	SW846 8260B
cis-1,3-Dichloropropene	ND	5.0	ug/L	SW846 8260B
trans-1,3-Dichloropropene	ND	5.0	ug/L	SW846 8260B
Ethylbenzene	ND	5.0	ug/L	SW846 8260B
Trichlorofluoromethane	ND	10	ug/L	SW846 8260B
2-Hexanone	ND	5.0	ug/L	SW846 8260B
Iodomethane	ND	10	ug/L	SW846 8260B
Methylene chloride	ND	5.0	ug/L	SW846 8260B
4-Methyl-2-pentanone	ND	10	ug/L	SW846 8260B
Styrene	ND	5.0	ug/L	SW846 8260B
1,1,1,2-Tetrachloroethane	ND	5.0	ug/L	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	5.0	ug/L	SW846 8260B
Toluene	ND	1.0	ug/L	SW846 8260B
1,1,2-Trichloroethane	ND	5.0	ug/L	SW846 8260B
1,2,3-Trichloropropane	ND	10	ug/L	SW846 8260B
Vinyl acetate	ND	10	ug/L	SW846 8260B
Xylenes (total)	ND	10	ug/L	SW846 8260B
1,2-Dibromo-3-chloropropane (DBCP)	ND	10	ug/L	SW846 8260B
1,2-Dibromoethane (EDB)	ND	1.0	ug/L	SW846 8260B
2-Butanone (MEK)	ND	10	ug/L	SW846 8260B
Acetone	ND	34	ug/L	SW846 8260B
Acrylonitrile	ND	100	ug/L	SW846 8260B
Benzene	ND	1.0	ug/L	SW846 8260B
Bromochloromethane	ND	10	ug/L	SW846 8260B
Bromodichloromethane	ND	5.0	ug/L	SW846 8260B
Bromoform	ND	5.0	ug/L	SW846 8260B
Bromomethane	ND	10	ug/L	SW846 8260B

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METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: D4B270172 **Work Order #...:** GA7W71AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Carbon disulfide	ND	5.0	ug/L	SW846 8260B
Carbon tetrachloride	ND	0.50	ug/L	SW846 8260B
Chlorobenzene	ND	5.0	ug/L	SW846 8260B
Dibromochloromethane	ND	5.0	ug/L	SW846 8260B
Chloroethane	ND	10	ug/L	SW846 8260B
Chloroform	ND	5.0	ug/L	SW846 8260B
Chloromethane	ND	10	ug/L	SW846 8260B
Dibromomethane	ND	10	ug/L	SW846 8260B
1,2-Dichlorobenzene	ND	10	ug/L	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	97	(76 - 116)
1,2-Dichloroethane-d4	94	(59 - 129)
4-Bromofluorobenzene	99	(74 - 114)
Toluene-d8	85	(76 - 116)

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: D4B270172 **Work Order #...:** GA7W71AC **Matrix.....:** WATER
LCS Lot-Sample#: D4C120000-561
Prep Date.....: 03/10/04 **Analysis Date..:** 03/10/04
Prep Batch #...: 4072561 **Analysis Time..:** 19:56
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Chlorobenzene	**103**	**(77 - 117)**	**SW846 8260B**
Toluene	**99**	**(74 - 115)**	**SW846 8260B**
Trichloroethene	**104**	**(80 - 123)**	**SW846 8260B**
1,1-Dichloroethene	**103**	**(67 - 125)**	**SW846 8260B**
Benzene	**101**	**(75 - 116)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	98	(76 - 116)
1,2-Dichloroethane-d4	94	(59 - 129)
4-Bromofluorobenzene	97	(74 - 114)
Toluene-d8	86	(76 - 116)

NOTE(S):

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: D4B270172 **Work Order #...:** GA7W71AC **Matrix.....:** WATER
LCS Lot-Sample#: D4C120000-561
Prep Date.....: 03/10/04 **Analysis Date..:** 03/10/04
Prep Batch #...: 4072561 **Analysis Time..:** 19:56
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
Chlorobenzene	**30.0**	**31.0**	**ug/L**	**103**	**SW846 8260B**
Toluene	**30.0**	**29.8**	**ug/L**	**99**	**SW846 8260B**
Trichloroethene	**30.0**	**31.3**	**ug/L**	**104**	**SW846 8260B**
1,1-Dichloroethene	**30.0**	**30.9**	**ug/L**	**103**	**SW846 8260B**
Benzene	**30.0**	**30.4**	**ug/L**	**101**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	98	(76 - 116)
1,2-Dichloroethane-d4	94	(59 - 129)
4-Bromofluorobenzene	97	(74 - 114)
Toluene-d8	86	(76 - 116)

NOTE(S):

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

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: D4B270172 **Work Order #...:** F99KG1AK-MS **Matrix.....:** WATER
MS Lot-Sample #: D4B260320-001 F99KG1AL-MSD
Date Sampled...: 02/26/04 08:50 **Date Received..:** 02/26/04
Prep Date.....: 03/10/04 **Analysis Date..:** 03/10/04
Prep Batch #...: 4072561 **Analysis Time..:** 21:32
Dilution Factor: 20

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	**79**	**(67 - 125)**			**SW846 8260B**
	72	**(67 - 125)**	**9.7**	**(0-20)**	**SW846 8260B**
Benzene	**95**	**(75 - 116)**			**SW846 8260B**
	95	**(75 - 116)**	**0.15**	**(0-20)**	**SW846 8260B**
Chlorobenzene	**106**	**(77 - 117)**			**SW846 8260B**
	108	**(77 - 117)**	**1.5**	**(0-20)**	**SW846 8260B**
Toluene	**100**	**(74 - 115)**			**SW846 8260B**
	97	**(74 - 115)**	**2.4**	**(0-20)**	**SW846 8260B**
Trichloroethene	**93**	**(80 - 123)**			**SW846 8260B**
	74 a	**(80 - 123)**	**3.2**	**(0-20)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	101	(76 - 116)
	94	(76 - 116)
1,2-Dichloroethane-d4	94	(59 - 129)
	92	(59 - 129)
4-Bromofluorobenzene	94	(74 - 114)
	95	(74 - 114)
Toluene-d8	85	(76 - 116)
	82	(76 - 116)

NOTE(S):

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

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: D4B270172 **Work Order #...:** F99KG1AK-MS **Matrix.....:** WATER
MS Lot-Sample #: D4B260320-001 F99KG1AL-MSD
Date Sampled...: 02/26/04 08:50 **Date Received..:** 02/26/04
Prep Date.....: 03/10/04 **Analysis Date..:** 03/10/04
Prep Batch #...: 4072561 **Analysis Time..:** 21:32
Dilution Factor: 20

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
1,1-Dichloroethene	**ND**	**200**	**158**	**ug/L**	**79**		**SW846 8260B**
	ND	**200**	**144**	**ug/L**	**72**	**9.7**	**SW846 8260B**
Benzene	**ND**	**200**	**190**	**ug/L**	**95**		**SW846 8260B**
	ND	**200**	**190**	**ug/L**	**95**	**0.15**	**SW846 8260B**
Chlorobenzene	**ND**	**200**	**213**	**ug/L**	**106**		**SW846 8260B**
	ND	**200**	**216**	**ug/L**	**108**	**1.5**	**SW846 8260B**
Toluene	**ND**	**200**	**199**	**ug/L**	**100**		**SW846 8260B**
	ND	**200**	**194**	**ug/L**	**97**	**2.4**	**SW846 8260B**
Trichloroethene	**1000**	**200**	**1190**	**ug/L**	**93**		**SW846 8260B**
	1000	**200**	**1150**	**ug/L**	**74 a**	**3.2**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	101	(76 - 116)
	94	(76 - 116)
1,2-Dichloroethane-d4	94	(59 - 129)
	92	(59 - 129)
4-Bromofluorobenzene	94	(74 - 114)
	95	(74 - 114)
Toluene-d8	85	(76 - 116)
	82	(76 - 116)

NOTE(S):

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

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: D4B270172 **Work Order #...:** GADKF1AA **Matrix.....:** WATER
MB Lot-Sample #: D4B290000-093

Prep Date.....: 02/29/04 **Analysis Time..:** 15:09
Analysis Date..: 03/04/04 **Prep Batch #...:** 4060093
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Acenaphthene	ND	10	ug/L	SW846 8270C
Acenaphthylene	ND	10	ug/L	SW846 8270C
Acetophenone	ND	10	ug/L	SW846 8270C
2-Acetylaminofluorene	ND	100	ug/L	SW846 8270C
4-Aminobiphenyl	ND	50	ug/L	SW846 8270C
Anthracene	ND	10	ug/L	SW846 8270C
Benzo(a)anthracene	ND	10	ug/L	SW846 8270C
Benzo(b)fluoranthene	ND	10	ug/L	SW846 8270C
Benzo(k)fluoranthene	ND	10	ug/L	SW846 8270C
Benzo(ghi)perylene	ND	10	ug/L	SW846 8270C
Benzo(a)pyrene	ND	10	ug/L	SW846 8270C
Benzyl alcohol	ND	10	ug/L	SW846 8270C
bis(2-Chloroethoxy) methane	ND	10	ug/L	SW846 8270C
bis(2-Chloroethyl)-ether	ND	10	ug/L	SW846 8270C
bis(2-Ethylhexyl) phthalate	ND	10	ug/L	SW846 8270C
4-Bromophenyl phenyl ether	ND	10	ug/L	SW846 8270C
Butyl benzyl phthalate	ND	10	ug/L	SW846 8270C
4-Chloroaniline	ND	10	ug/L	SW846 8270C
Chlorobenzilate	ND	10	ug/L	SW846 8270C
4-Chloro-3-methylphenol	ND	10	ug/L	SW846 8270C
2-Chloronaphthalene	ND	10	ug/L	SW846 8270C
2-Chlorophenol	ND	10	ug/L	SW846 8270C
4-Chlorophenyl phenyl ether	ND	10	ug/L	SW846 8270C
Chrysene	ND	10	ug/L	SW846 8270C
Diallate	ND	20	ug/L	SW846 8270C
Dibenz(a,h)anthracene	ND	10	ug/L	SW846 8270C
Dibenzofuran	ND	10	ug/L	SW846 8270C
Di-n-butyl phthalate	ND	10	ug/L	SW846 8270C
3,3'-Dichlorobenzidine	ND	50	ug/L	SW846 8270C
2,4-Dichlorophenol	ND	10	ug/L	SW846 8270C
2,6-Dichlorophenol	ND	10	ug/L	SW846 8270C
Diethyl phthalate	ND	10	ug/L	SW846 8270C
Dimethoate	ND	20	ug/L	SW846 8270C
4-Dimethylaminoazobenzene	ND	20	ug/L	SW846 8270C
7,12-Dimethylbenz(a)-anthracene	ND	20	ug/L	SW846 8270C

(Continued on next page)

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: D4B270172 **Work Order #...:** GADKF1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
3,3'-Dimethylbenzidine	ND	20	ug/L	SW846 8270C
2,4-Dimethylphenol	ND	10	ug/L	SW846 8270C
Dimethyl phthalate	ND	10	ug/L	SW846 8270C
1,3-Dinitrobenzene	ND	10	ug/L	SW846 8270C
4,6-Dinitro-2-methylphenol	ND	50	ug/L	SW846 8270C
2,4-Dinitrophenol	ND	50	ug/L	SW846 8270C
2,4-Dinitrotoluene	ND	10	ug/L	SW846 8270C
2,6-Dinitrotoluene	ND	10	ug/L	SW846 8270C
Dinoseb	ND	10	ug/L	SW846 8270C
Di-n-octyl phthalate	ND	10	ug/L	SW846 8270C
Diphenylamine	ND	10	ug/L	SW846 8270C
Disulfoton	ND	50	ug/L	SW846 8270C
Ethyl methanesulfonate	ND	10	ug/L	SW846 8270C
Famphur	ND	200	ug/L	SW846 8270C
Fluoranthene	ND	10	ug/L	SW846 8270C
Fluorene	ND	10	ug/L	SW846 8270C
Hexachlorobenzene	ND	10	ug/L	SW846 8270C
Hexachlorobutadiene	ND	10	ug/L	SW846 8270C
Hexachlorocyclopentadiene	ND	50	ug/L	SW846 8270C
Hexachloroethane	ND	10	ug/L	SW846 8270C
Hexachloropropene	ND	100	ug/L	SW846 8270C
Indeno(1,2,3-cd)pyrene	ND	10	ug/L	SW846 8270C
Isodrin	ND	10	ug/L	SW846 8270C
Isophorone	ND	10	ug/L	SW846 8270C
Isosafrole	ND	20	ug/L	SW846 8270C
Methapyrilene	ND	50	ug/L	SW846 8270C
3-Methylcholanthrene	ND	20	ug/L	SW846 8270C
Methyl methanesulfonate	ND	10	ug/L	SW846 8270C
2-Methylnaphthalene	ND	10	ug/L	SW846 8270C
Methyl parathion	ND	50	ug/L	SW846 8270C
2-Methylphenol	ND	10	ug/L	SW846 8270C
3-Methylphenol & 4-Methylphenol	ND	10	ug/L	SW846 8270C
Naphthalene	ND	10	ug/L	SW846 8270C
1,4-Naphthoquinone	ND	50	ug/L	SW846 8270C
1-Naphthylamine	ND	10	ug/L	SW846 8270C
2-Naphthylamine	ND	10	ug/L	SW846 8270C
2-Nitroaniline	ND	50	ug/L	SW846 8270C
3-Nitroaniline	ND	50	ug/L	SW846 8270C
4-Nitroaniline	ND	50	ug/L	SW846 8270C
Nitrobenzene	ND	10	ug/L	SW846 8270C
2-Nitrophenol	ND	10	ug/L	SW846 8270C
4-Nitrophenol	ND	50	ug/L	SW846 8270C

(Continued on next page)

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: D4B270172 **Work Order #...:** GADKF1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
N-Nitrosodi-n-butylamine	ND	10	ug/L	SW846 8270C
N-Nitrosodiethylamine	ND	10	ug/L	SW846 8270C
N-Nitrosodimethylamine	ND	10	ug/L	SW846 8270C
N-Nitrosodiphenylamine	ND	10	ug/L	SW846 8270C
N-Nitrosodi-n-propyl-amine	ND	10	ug/L	SW846 8270C
N-Nitrosomethylethylamine	ND	10	ug/L	SW846 8270C
N-Nitrosopiperidine	ND	10	ug/L	SW846 8270C
N-Nitrosopyrrolidine	ND	10	ug/L	SW846 8270C
5-Nitro-o-toluidine	ND	20	ug/L	SW846 8270C
2,2'-oxybis(1-Chloropropa	ND	10	ug/L	SW846 8270C
Parathion	ND	50	ug/L	SW846 8270C
Pentachlorobenzene	ND	10	ug/L	SW846 8270C
Pentachloronitrobenzene	ND	50	ug/L	SW846 8270C
Pentachlorophenol	ND	50	ug/L	SW846 8270C
Phenacetin	ND	20	ug/L	SW846 8270C
Phenanthrene	ND	10	ug/L	SW846 8270C
Phenol	ND	10	ug/L	SW846 8270C
4-Phenylenediamine	ND	100	ug/L	SW846 8270C
Phorate	ND	50	ug/L	SW846 8270C
Pronamide	ND	20	ug/L	SW846 8270C
Pyrene	ND	10	ug/L	SW846 8270C
Safrole	ND	50	ug/L	SW846 8270C
1,2,4,5-Tetrachloro-benzene	ND	10	ug/L	SW846 8270C
2,3,4,6-Tetrachlorophenol	ND	50	ug/L	SW846 8270C
Thionazin	ND	10	ug/L	SW846 8270C
o-Toluidine	ND	10	ug/L	SW846 8270C
1,2,4-Trichloro-benzene	ND	10	ug/L	SW846 8270C
2,4,5-Trichloro-phenol	ND	10	ug/L	SW846 8270C
2,4,6-Trichloro-phenol	ND	10	ug/L	SW846 8270C
O,O,O-Triethylphosphoro-thioate	ND	50	ug/L	SW846 8270C
1,3,5-Trinitrobenzene	ND	50	ug/L	SW846 8270C

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	79	(32 - 116)
Phenol-d5	82	(40 - 111)
Nitrobenzene-d5	81	(53 - 107)
2-Fluorobiphenyl	74	(31 - 105)
2,4,6-Tribromophenol	82	(42 - 122)

(Continued on next page)

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: D4B270172 **Work Order #...:** GADKF1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Terphenyl-d14	75	(21 - 125)		

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: D4B270172 **Work Order #...:** GADKF1AC **Matrix.....:** WATER
LCS Lot-Sample#: D4B290000-093
Prep Date.....: 02/29/04 **Analysis Date..:** 03/04/04
Prep Batch #...: 4060093 **Analysis Time..:** 15:36
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Acenaphthene	**78**	**(55 - 97)**	**SW846 8270C**
1,4-Dichlorobenzene	**72**	**(31 - 98)**	**SW846 8270C**
4-Chloro-3-methylphenol	**83**	**(59 - 106)**	**SW846 8270C**
2-Chlorophenol	**81**	**(59 - 105)**	**SW846 8270C**
2,4-Dinitrotoluene	**86**	**(57 - 113)**	**SW846 8270C**
4-Nitrophenol	**85**	**(43 - 118)**	**SW846 8270C**
N-Nitrosodi-n-propyl-amine	**84**	**(51 - 99)**	**SW846 8270C**
Pentachlorophenol	**79**	**(48 - 114)**	**SW846 8270C**
Phenol	**81**	**(56 - 106)**	**SW846 8270C**
Pyrene	**73**	**(51 - 103)**	**SW846 8270C**
1,2,4-Trichloro-benzene	**74**	**(36 - 99)**	**SW846 8270C**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	78	(54 - 105)
Phenol-d5	82	(55 - 106)
Nitrobenzene-d5	81	(58 - 108)
2-Fluorobiphenyl	74	(53 - 97)
2,4,6-Tribromophenol	86	(62 - 113)
Terphenyl-d14	76	(55 - 109)

NOTE(S):

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: D4B270172 **Work Order #...:** GADKF1AC **Matrix.....:** WATER
LCS Lot-Sample#: D4B290000-093
Prep Date.....: 02/29/04 **Analysis Date..:** 03/04/04
Prep Batch #...: 4060093 **Analysis Time..:** 15:36
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
Acenaphthene	**100**	**78.4**	**ug/L**	**78**	**SW846 8270C**
1,4-Dichlorobenzene	**100**	**72.1**	**ug/L**	**72**	**SW846 8270C**
4-Chloro-3-methylphenol	**150**	**124**	**ug/L**	**83**	**SW846 8270C**
2-Chlorophenol	**150**	**121**	**ug/L**	**81**	**SW846 8270C**
2,4-Dinitrotoluene	**100**	**85.8**	**ug/L**	**86**	**SW846 8270C**
4-Nitrophenol	**150**	**127**	**ug/L**	**85**	**SW846 8270C**
N-Nitrosodi-n-propyl-amine	**100**	**84.0**	**ug/L**	**84**	**SW846 8270C**
Pentachlorophenol	**150**	**119**	**ug/L**	**79**	**SW846 8270C**
Phenol	**150**	**122**	**ug/L**	**81**	**SW846 8270C**
Pyrene	**100**	**72.9**	**ug/L**	**73**	**SW846 8270C**
1,2,4-Trichloro-benzene	**100**	**73.9**	**ug/L**	**74**	**SW846 8270C**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	78	(54 - 105)
Phenol-d5	82	(55 - 106)
Nitrobenzene-d5	81	(58 - 108)
2-Fluorobiphenyl	74	(53 - 97)
2,4,6-Tribromophenol	86	(62 - 113)
Terphenyl-d14	76	(55 - 109)

NOTE(S):

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

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: D4B270172 **Work Order #...:** F96L21CX-MS **Matrix.....:** WATER
MS Lot-Sample #: D4B250201-010 F96L21C0-MSD
Date Sampled...: 02/23/04 15:45 **Date Received..:** 02/25/04
Prep Date.....: 02/29/04 **Analysis Date..:** 03/04/04
Prep Batch #...: 4060093 **Analysis Time..:** 22:00
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Acenaphthene	81	(50 - 96)			SW846 8270C
	84	(50 - 96)	3.8	(0-40)	SW846 8270C
1,4-Dichlorobenzene	79	(41 - 92)			SW846 8270C
	81	(41 - 92)	2.6	(0-30)	SW846 8270C
4-Chloro-3-methylphenol	94	(49 - 102)			SW846 8270C
	99	(49 - 102)	5.4	(0-40)	SW846 8270C
2-Chlorophenol	87	(49 - 98)			SW846 8270C
	92	(49 - 98)	5.3	(0-40)	SW846 8270C
2,4-Dinitrotoluene	75	(51 - 106)			SW846 8270C
	80	(51 - 106)	6.3	(0-40)	SW846 8270C
4-Nitrophenol	79	(34 - 116)			SW846 8270C
	82	(34 - 116)	4.2	(0-40)	SW846 8270C
N-Nitrosodi-n-propyl-amine	82	(46 - 101)			SW846 8270C
	89	(46 - 101)	7.8	(0-40)	SW846 8270C
Pentachlorophenol	79	(34 - 116)			SW846 8270C
	86	(34 - 116)	9.2	(0-40)	SW846 8270C
Phenol	88	(46 - 98)			SW846 8270C
	93	(46 - 98)	5.5	(0-40)	SW846 8270C
Pyrene	58	(39 - 103)			SW846 8270C
	53	(39 - 103)	7.7	(0-40)	SW846 8270C
1,2,4-Trichloro-benzene	80	(46 - 92)			SW846 8270C
	85	(46 - 92)	5.8	(0-40)	SW846 8270C

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	78	(32 - 116)
	82	(32 - 116)
Phenol-d5	82	(40 - 111)
	87	(40 - 111)
Nitrobenzene-d5	92	(53 - 107)
	97	(53 - 107)
2-Fluorobiphenyl	74	(31 - 105)
	78	(31 - 105)
2,4,6-Tribromophenol	77	(42 - 122)
	83	(42 - 122)

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MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: D4B270172 **Work Order #...:** F96L21CX-MS **Matrix.....:** WATER
MS Lot-Sample #: D4B250201-010 F96L21C0-MSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Terphenyl-d14	49	(21 - 125)
	39	(21 - 125)

NOTE(S):

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

Bold print denotes control parameters

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: D4B270172 **Work Order #...:** F96L21CX-MS **Matrix.....:** WATER
MS Lot-Sample #: D4B250201-010 F96L21C0-MSD
Date Sampled...: 02/23/04 15:45 **Date Received..:** 02/25/04
Prep Date.....: 02/29/04 **Analysis Date..:** 03/04/04
Prep Batch #...: 4060093 **Analysis Time..:** 22:00
Dilution Factor: 1

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Acenaphthene	ND	95.0	77.1	ug/L	81		SW846 8270C
	ND	95.1	80.1	ug/L	84	3.8	SW846 8270C
1,4-Dichlorobenzene	ND	95.0	75.0	ug/L	79		SW846 8270C
	ND	95.1	77.0	ug/L	81	2.6	SW846 8270C
4-Chloro-3-methylphenol	ND	142	134	ug/L	94		SW846 8270C
	ND	143	142	ug/L	99	5.4	SW846 8270C
2-Chlorophenol	ND	142	124	ug/L	87		SW846 8270C
	ND	143	131	ug/L	92	5.3	SW846 8270C
2,4-Dinitrotoluene	ND	95.0	71.5	ug/L	75		SW846 8270C
	ND	95.1	76.2	ug/L	80	6.3	SW846 8270C
4-Nitrophenol	ND	142	113	ug/L	79		SW846 8270C
	ND	143	117	ug/L	82	4.2	SW846 8270C
N-Nitrosodi-n-propyl-amine	ND	95.0	78.0	ug/L	82		SW846 8270C
	ND	95.1	84.4	ug/L	89	7.8	SW846 8270C
Pentachlorophenol	ND	142	112	ug/L	79		SW846 8270C
	ND	143	123	ug/L	86	9.2	SW846 8270C
Phenol	ND	142	125	ug/L	88		SW846 8270C
	ND	143	132	ug/L	93	5.5	SW846 8270C
Pyrene	ND	95.0	55.0	ug/L	58		SW846 8270C
	ND	95.1	50.9	ug/L	53	7.7	SW846 8270C
1,2,4-Trichloro-benzene	ND	95.0	76.4	ug/L	80		SW846 8270C
	ND	95.1	81.0	ug/L	85	5.8	SW846 8270C

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	78	(32 - 116)
	82	(32 - 116)
Phenol-d5	82	(40 - 111)
	87	(40 - 111)
Nitrobenzene-d5	92	(53 - 107)
	97	(53 - 107)
2-Fluorobiphenyl	74	(31 - 105)
	78	(31 - 105)
2,4,6-Tribromophenol	77	(42 - 122)
	83	(42 - 122)

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MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: D4B270172 **Work Order #...:** F96L21CX-MS **Matrix.....:** WATER
MS Lot-Sample #: D4B250201-010 F96L21C0-MSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Terphenyl-d14	49	(21 - 125)
	39	(21 - 125)

NOTE(S):

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

Bold print denotes control parameters

METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: D4B270172 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: D4C010000-217 **Prep Batch #...:** 4061217						
Mercury	ND	0.20	ug/L	SW846 7470A	03/03/04	GADX41AA
		Dilution Factor: 1				
		Analysis Time..: 19:33				
MB Lot-Sample #: D4C030000-603 **Prep Batch #...:** 4063603						
Manganese	ND	10	ug/L	SW846 6010B	03/04-03/05/04	GAKQR1AA
		Dilution Factor: 1				
		Analysis Time..: 18:37				
Barium	ND	100	ug/L	SW846 6010B	03/04-03/05/04	GAKQR1AC
		Dilution Factor: 1				
		Analysis Time..: 18:37				
Potassium	ND	5000	ug/L	SW846 6010B	03/04-03/12/04	GAKQR1AD
		Dilution Factor: 1				
		Analysis Time..: 02:33				
Silver	ND	10	ug/L	SW846 6010B	03/04-03/05/04	GAKQR1AE
		Dilution Factor: 1				
		Analysis Time..: 18:37				
Arsenic	ND	10	ug/L	SW846 6010B	03/04-03/05/04	GAKQR1AF
		Dilution Factor: 1				
		Analysis Time..: 18:37				
Cadmium	ND	5.0	ug/L	SW846 6010B	03/04-03/05/04	GAKQR1AG
		Dilution Factor: 1				
		Analysis Time..: 18:37				
Cobalt	ND	10	ug/L	SW846 6010B	03/04-03/05/04	GAKQR1AH
		Dilution Factor: 1				
		Analysis Time..: 18:37				
Chromium	ND	10	ug/L	SW846 6010B	03/04-03/05/04	GAKQR1AJ
		Dilution Factor: 1				
		Analysis Time..: 18:37				
Copper	ND	10	ug/L	SW846 6010B	03/04-03/05/04	GAKQR1AK
		Dilution Factor: 1				
		Analysis Time..: 18:37				

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METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: D4B270172 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Nickel	ND	40	ug/L	SW846 6010B	03/04-03/05/04	GAKQR1AL
		Dilution Factor: 1				
		Analysis Time..: 18:37				
Lead	ND	3.0	ug/L	SW846 6010B	03/04-03/05/04	GAKQR1AM
		Dilution Factor: 1				
		Analysis Time..: 18:37				
Antimony	ND	10	ug/L	SW846 6010B	03/04-03/05/04	GAKQR1AN
		Dilution Factor: 1				
		Analysis Time..: 18:37				
Selenium	ND	5.0	ug/L	SW846 6010B	03/04-03/05/04	GAKQR1AP
		Dilution Factor: 1				
		Analysis Time..: 18:37				
Zinc	ND	20	ug/L	SW846 6010B	03/04-03/05/04	GAKQR1AQ
		Dilution Factor: 1				
		Analysis Time..: 18:37				
Beryllium	**1.6 B**	**5.0**	**ug/L**	**SW846 6010B**	**03/04-03/05/04**	**GAKQR1AR**
		Dilution Factor: 1				
		Analysis Time..: 18:37				
Boron	ND	100	ug/L	SW846 6010B	03/04-03/12/04	GAKQR1AT
		Dilution Factor: 1				
		Analysis Time..: 02:33				

NOTE(S):

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

B Estimated result. Result is less than RL.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: D4B270172 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: D4C010000-217 **Prep Batch #...:** 4061217					
Mercury	97	(84 - 114)	SW846 7470A	03/03/04	GADX41AC
		Dilution Factor: 1	Analysis Time..: 19:35		
LCS Lot-Sample#: D4C030000-603 **Prep Batch #...:** 4063603					
Manganese	101	(90 - 110)	SW846 6010B	03/04-03/05/04	GAKQR1AU
		Dilution Factor: 1	Analysis Time..: 18:42		
Barium	102	(93 - 113)	SW846 6010B	03/04-03/05/04	GAKQR1AV
		Dilution Factor: 1	Analysis Time..: 18:42		
Potassium	99	(86 - 111)	SW846 6010B	03/04-03/12/04	GAKQR1AW
		Dilution Factor: 1	Analysis Time..: 02:37		
Silver	108	(85 - 114)	SW846 6010B	03/04-03/05/04	GAKQR1AX
		Dilution Factor: 1	Analysis Time..: 18:42		
Arsenic	102	(89 - 109)	SW846 6010B	03/04-03/05/04	GAKQR1A0
		Dilution Factor: 1	Analysis Time..: 18:42		
Cadmium	97	(89 - 110)	SW846 6010B	03/04-03/05/04	GAKQR1A1
		Dilution Factor: 1	Analysis Time..: 18:42		
Cobalt	100	(86 - 107)	SW846 6010B	03/04-03/05/04	GAKQR1A2
		Dilution Factor: 1	Analysis Time..: 18:42		
Chromium	103	(89 - 112)	SW846 6010B	03/04-03/05/04	GAKQR1A3
		Dilution Factor: 1	Analysis Time..: 18:42		
Copper	100	(86 - 110)	SW846 6010B	03/04-03/05/04	GAKQR1A4
		Dilution Factor: 1	Analysis Time..: 18:42		
Nickel	99	(90 - 110)	SW846 6010B	03/04-03/05/04	GAKQR1A5
		Dilution Factor: 1	Analysis Time..: 18:42		
Lead	100	(91 - 111)	SW846 6010B	03/04-03/05/04	GAKQR1A6
		Dilution Factor: 1	Analysis Time..: 18:42		
Antimony	100	(88 - 108)	SW846 6010B	03/04-03/05/04	GAKQR1A7
		Dilution Factor: 1	Analysis Time..: 18:42		

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: D4B270172 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Selenium	105	(88 - 110)	SW846 6010B	03/04-03/05/04	GAKQR1A8
		Dilution Factor: 1	Analysis Time..: 18:42		
Zinc	95	(85 - 110)	SW846 6010B	03/04-03/05/04	GAKQR1A9
		Dilution Factor: 1	Analysis Time..: 18:42		
Beryllium	108	(88 - 112)	SW846 6010B	03/04-03/05/04	GAKQR1CA
		Dilution Factor: 1	Analysis Time..: 18:42		
Boron	105	(89 - 110)	SW846 6010B	03/04-03/12/04	GAKQR1CC
		Dilution Factor: 1	Analysis Time..: 02:37		

NOTE(S):

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

LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: D4B270172 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: D4C010000-217 **Prep Batch #...:** 4061217							
Mercury	5.00	4.87	ug/L	97	SW846 7470A	03/03/04	GADX41AC
			Dilution Factor: 1		Analysis Time..: 19:35		
LCS Lot-Sample#: D4C030000-603 **Prep Batch #...:** 4063603							
Manganese	500	507	ug/L	101	SW846 6010B	03/04-03/05/04	GAKQR1AU
			Dilution Factor: 1		Analysis Time..: 18:42		
Barium	2000	2030	ug/L	102	SW846 6010B	03/04-03/05/04	GAKQR1AV
			Dilution Factor: 1		Analysis Time..: 18:42		
Potassium	50000	49500	ug/L	99	SW846 6010B	03/04-03/12/04	GAKQR1AW
			Dilution Factor: 1		Analysis Time..: 02:37		
Silver	50.0	54.1	ug/L	108	SW846 6010B	03/04-03/05/04	GAKQR1AX
			Dilution Factor: 1		Analysis Time..: 18:42		
Arsenic	2000	2040	ug/L	102	SW846 6010B	03/04-03/05/04	GAKQR1A0
			Dilution Factor: 1		Analysis Time..: 18:42		
Cadmium	50.0	48.6	ug/L	97	SW846 6010B	03/04-03/05/04	GAKQR1A1
			Dilution Factor: 1		Analysis Time..: 18:42		
Cobalt	500	502	ug/L	100	SW846 6010B	03/04-03/05/04	GAKQR1A2
			Dilution Factor: 1		Analysis Time..: 18:42		
Chromium	200	207	ug/L	103	SW846 6010B	03/04-03/05/04	GAKQR1A3
			Dilution Factor: 1		Analysis Time..: 18:42		
Copper	250	251	ug/L	100	SW846 6010B	03/04-03/05/04	GAKQR1A4
			Dilution Factor: 1		Analysis Time..: 18:42		
Nickel	500	493	ug/L	99	SW846 6010B	03/04-03/05/04	GAKQR1A5
			Dilution Factor: 1		Analysis Time..: 18:42		
Lead	500	499	ug/L	100	SW846 6010B	03/04-03/05/04	GAKQR1A6
			Dilution Factor: 1		Analysis Time..: 18:42		
Antimony	500	499	ug/L	100	SW846 6010B	03/04-03/05/04	GAKQR1A7
			Dilution Factor: 1		Analysis Time..: 18:42		

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LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: D4B270172 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Selenium	2000	2090	ug/L	105	SW846 6010B	03/04-03/05/04	GAKQR1A8
			Dilution Factor: 1		Analysis Time..: 18:42		
Zinc	500	476	ug/L	95	SW846 6010B	03/04-03/05/04	GAKQR1A9
			Dilution Factor: 1		Analysis Time..: 18:42		
Beryllium	50.0	53.9	ug/L	108	SW846 6010B	03/04-03/05/04	GAKQR1CA
			Dilution Factor: 1		Analysis Time..: 18:42		
Boron	1000	1050	ug/L	105	SW846 6010B	03/04-03/12/04	GAKQR1CC
			Dilution Factor: 1		Analysis Time..: 02:37		

NOTE(S):

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

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: D4B270172 **Matrix.....:** WATER
Date Sampled...: 02/19/04 12:05 **Date Received..:** 02/20/04

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D4B200161-001 **Prep Batch #...:** 4061217							
Mercury	96	(84 - 114)			SW846 7470A	03/03/04	F9WXG1EP
	96	(84 - 114)	0.0	(0-10)	SW846 7470A	03/03/04	F9WXG1EQ

Dilution Factor: 1
Analysis Time..: 20:00

NOTE(S):

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

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: D4B270172 **Matrix.....:** WATER
Date Sampled...: 02/19/04 12:05 **Date Received..:** 02/20/04

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D4B200161-001 **Prep Batch #...:** 4061217									
Mercury									
	ND	5.00	4.78	ug/L	96		SW846 7470A	03/03/04	F9WXG1EP
	ND	5.00	4.78	ug/L	96	0.0	SW846 7470A	03/03/04	F9WXG1EQ

Dilution Factor: 1
Analysis Time..: 20:00

NOTE(S):

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

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: D4B270172 **Matrix.....:** WATER
Date Sampled...: 02/26/04 10:05 **Date Received..:** 02/27/04

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D4B270172-001 **Prep Batch #...:** 4063603							
Manganese	NC,MSB	(79 - 121)			SW846 6010B	03/04-03/05/04	GAAE51C0
	NC,MSB	(79 - 121)		(0-25)	SW846 6010B	03/04-03/05/04	GAAE51C1
		Dilution Factor: 1					
		Analysis Time..: 18:57					
Barium	98	(85 - 120)			SW846 6010B	03/04-03/05/04	GAAE51C2
	104	(85 - 120)	5.9	(0-25)	SW846 6010B	03/04-03/05/04	GAAE51C3
		Dilution Factor: 1					
		Analysis Time..: 18:57					
Potassium	98	(76 - 132)			SW846 6010B	03/04-03/12/04	GAAE51C4
	100	(76 - 132)	2.0	(0-25)	SW846 6010B	03/04-03/12/04	GAAE51C5
		Dilution Factor: 1					
		Analysis Time..: 02:50					
Silver	104	(75 - 141)			SW846 6010B	03/04-03/05/04	GAAE51C6
	111	(75 - 141)	6.4	(0-25)	SW846 6010B	03/04-03/05/04	GAAE51C7
		Dilution Factor: 1					
		Analysis Time..: 18:57					
Arsenic	98	(84 - 124)			SW846 6010B	03/04-03/05/04	GAAE51C8
	104	(84 - 124)	6.2	(0-25)	SW846 6010B	03/04-03/05/04	GAAE51C9
		Dilution Factor: 1					
		Analysis Time..: 18:57					
Cadmium	92	(82 - 119)			SW846 6010B	03/04-03/05/04	GAAE51DA
	97	(82 - 119)	5.4	(0-25)	SW846 6010B	03/04-03/05/04	GAAE51DC
		Dilution Factor: 1					
		Analysis Time..: 18:57					
Cobalt	95	(82 - 119)			SW846 6010B	03/04-03/05/04	GAAE51DD
	101	(82 - 119)	6.0	(0-25)	SW846 6010B	03/04-03/05/04	GAAE51DE
		Dilution Factor: 1					
		Analysis Time..: 18:57					
Chromium	99	(73 - 135)			SW846 6010B	03/04-03/05/04	GAAE51DF
	105	(73 - 135)	6.0	(0-25)	SW846 6010B	03/04-03/05/04	GAAE51DG
		Dilution Factor: 1					
		Analysis Time..: 18:57					

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MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: D4B270172 **Matrix.....:** WATER
Date Sampled...: 02/26/04 10:05 **Date Received..:** 02/27/04

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Copper	97	(82 - 129)			SW846 6010B	03/04-03/05/04	GAAE51DH
	103	(82 - 129)	5.8	(0-25)	SW846 6010B	03/04-03/05/04	GAAE51DJ
		Dilution Factor: 1					
		Analysis Time..: 18:57					
Nickel	94	(84 - 120)			SW846 6010B	03/04-03/05/04	GAAE51DK
	100	(84 - 120)	6.0	(0-25)	SW846 6010B	03/04-03/05/04	GAAE51DL
		Dilution Factor: 1					
		Analysis Time..: 18:57					
Lead	95	(89 - 121)			SW846 6010B	03/04-03/05/04	GAAE51DM
	101	(89 - 121)	6.2	(0-25)	SW846 6010B	03/04-03/05/04	GAAE51DN
		Dilution Factor: 1					
		Analysis Time..: 18:57					
Antimony	96	(81 - 124)			SW846 6010B	03/04-03/05/04	GAAE51DP
	101	(81 - 124)	4.6	(0-25)	SW846 6010B	03/04-03/05/04	GAAE51DQ
		Dilution Factor: 1					
		Analysis Time..: 18:57					
Selenium	99	(71 - 140)			SW846 6010B	03/04-03/05/04	GAAE51DR
	105	(71 - 140)	5.9	(0-25)	SW846 6010B	03/04-03/05/04	GAAE51DT
		Dilution Factor: 1					
		Analysis Time..: 18:57					
Zinc	90	(60 - 137)			SW846 6010B	03/04-03/05/04	GAAE51DU
	98	(60 - 137)	8.2	(0-25)	SW846 6010B	03/04-03/05/04	GAAE51DV
		Dilution Factor: 1					
		Analysis Time..: 18:57					
Beryllium	100	(79 - 121)			SW846 6010B	03/04-03/05/04	GAAE51DW
	106	(79 - 121)	5.1	(0-25)	SW846 6010B	03/04-03/05/04	GAAE51DX
		Dilution Factor: 1					
		Analysis Time..: 18:57					
Boron	103	(87 - 113)			SW846 6010B	03/04-03/12/04	GAAE51D0
	105	(87 - 113)	1.5	(0-25)	SW846 6010B	03/04-03/12/04	GAAE51D1
		Dilution Factor: 1					
		Analysis Time..: 02:50					

NOTE(S):

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

NC The recovery and/or RPD were not calculated.

MSB The recovery and RPD were not calculated because the sample amount was greater than four times the spike amount.

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: D4B270172 **Matrix.....:** WATER
Date Sampled...: 02/26/04 10:05 **Date Received..:** 02/27/04

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D4B270172-001 **Prep Batch #...:** 4063603									
Manganese									
	2600	500	3030	ug/L			SW846 6010B	03/04-03/05/04	GAAE51C0
			Qualifiers: NC,MSB						
	2600	500	3180	ug/L			SW846 6010B	03/04-03/05/04	GAAE51C1
			Qualifiers: NC,MSB						
			Dilution Factor: 1						
			Analysis Time..: 18:57						
Barium									
	85	2000	2050	ug/L	98		SW846 6010B	03/04-03/05/04	GAAE51C2
	85	2000	2170	ug/L	104	5.9	SW846 6010B	03/04-03/05/04	GAAE51C3
			Dilution Factor: 1						
			Analysis Time..: 18:57						
Potassium									
	3900	50000	52800	ug/L	98		SW846 6010B	03/04-03/12/04	GAAE51C4
	3900	50000	53900	ug/L	100	2.0	SW846 6010B	03/04-03/12/04	GAAE51C5
			Dilution Factor: 1						
			Analysis Time..: 02:50						
Silver									
	ND	50.0	52.1	ug/L	104		SW846 6010B	03/04-03/05/04	GAAE51C6
	ND	50.0	55.6	ug/L	111	6.4	SW846 6010B	03/04-03/05/04	GAAE51C7
			Dilution Factor: 1						
			Analysis Time..: 18:57						
Arsenic									
	6.2	2000	1960	ug/L	98		SW846 6010B	03/04-03/05/04	GAAE51C8
	6.2	2000	2090	ug/L	104	6.2	SW846 6010B	03/04-03/05/04	GAAE51C9
			Dilution Factor: 1						
			Analysis Time..: 18:57						
Cadmium									
	0.27	50.0	46.4	ug/L	92		SW846 6010B	03/04-03/05/04	GAAE51DA
	0.27	50.0	49.0	ug/L	97	5.4	SW846 6010B	03/04-03/05/04	GAAE51DC
			Dilution Factor: 1						
			Analysis Time..: 18:57						
Cobalt									
	1.4	500	478	ug/L	95		SW846 6010B	03/04-03/05/04	GAAE51DD
	1.4	500	508	ug/L	101	6.0	SW846 6010B	03/04-03/05/04	GAAE51DE
			Dilution Factor: 1						
			Analysis Time..: 18:57						

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MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: D4B270172 **Matrix.....:** WATER
Date Sampled...: 02/26/04 10:05 **Date Received..:** 02/27/04

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Chromium									
	ND	200	198	ug/L	99		SW846 6010B	03/04-03/05/04	GAAE51DF
	ND	200	210	ug/L	105	6.0	SW846 6010B	03/04-03/05/04	GAAE51DG
			Dilution Factor: 1						
			Analysis Time..: 18:57						
Copper									
	1.1	250	245	ug/L	97		SW846 6010B	03/04-03/05/04	GAAE51DH
	1.1	250	259	ug/L	103	5.8	SW846 6010B	03/04-03/05/04	GAAE51DJ
			Dilution Factor: 1						
			Analysis Time..: 18:57						
Nickel									
	ND	500	471	ug/L	94		SW846 6010B	03/04-03/05/04	GAAE51DK
	ND	500	500	ug/L	100	6.0	SW846 6010B	03/04-03/05/04	GAAE51DL
			Dilution Factor: 1						
			Analysis Time..: 18:57						
Lead									
	ND	500	477	ug/L	95		SW846 6010B	03/04-03/05/04	GAAE51DM
	ND	500	508	ug/L	101	6.2	SW846 6010B	03/04-03/05/04	GAAE51DN
			Dilution Factor: 1						
			Analysis Time..: 18:57						
Antimony									
	ND	500	482	ug/L	96		SW846 6010B	03/04-03/05/04	GAAE51DP
	ND	500	505	ug/L	101	4.6	SW846 6010B	03/04-03/05/04	GAAE51DQ
			Dilution Factor: 1						
			Analysis Time..: 18:57						
Selenium									
	ND	2000	1990	ug/L	99		SW846 6010B	03/04-03/05/04	GAAE51DR
	ND	2000	2110	ug/L	105	5.9	SW846 6010B	03/04-03/05/04	GAAE51DT
			Dilution Factor: 1						
			Analysis Time..: 18:57						
Zinc									
	ND	500	452	ug/L	90		SW846 6010B	03/04-03/05/04	GAAE51DU
	ND	500	491	ug/L	98	8.2	SW846 6010B	03/04-03/05/04	GAAE51DV
			Dilution Factor: 1						
			Analysis Time..: 18:57						

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MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: D4B270172 **Matrix.....:** WATER
Date Sampled...: 02/26/04 10:05 **Date Received..:** 02/27/04

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Beryllium									
	1.2	50.0	51.2	ug/L	100		SW846 6010B	03/04-03/05/04	GAAE51DW
	1.2	50.0	53.9	ug/L	106	5.1	SW846 6010B	03/04-03/05/04	GAAE51DX
			Dilution Factor: 1						
			Analysis Time..: 18:57						
Boron									
	170	1000	1200	ug/L	103		SW846 6010B	03/04-03/12/04	GAAE51D0
	170	1000	1220	ug/L	105	1.5	SW846 6010B	03/04-03/12/04	GAAE51D1
			Dilution Factor: 1						
			Analysis Time..: 02:50						

NOTE(S):

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

NC The recovery and/or RPD were not calculated.

MSB The recovery and RPD were not calculated because the sample amount was greater than four times the spike amount.

METHOD BLANK REPORT

DISSOLVED Metals

Client Lot #...: D4B270172 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: D4C020000-598 **Prep Batch #...:** 4062598						
Calcium	**77 B**	**200**	**ug/L**	**SW846 6010B**	**03/04-03/12/04**	**GAHEM1AA**
		Dilution Factor: 1				
		Analysis Time..: 04:56				
Magnesium	ND	200	ug/L	SW846 6010B	03/04-03/12/04	GAHEM1AC
		Dilution Factor: 1				
		Analysis Time..: 04:56				
Sodium	ND	5000	ug/L	SW846 6010B	03/04-03/12/04	GAHEM1AE
		Dilution Factor: 1				
		Analysis Time..: 04:56				
Potassium	ND	5000	ug/L	SW846 6010B	03/04-03/12/04	GAHEM1AD
		Dilution Factor: 1				
		Analysis Time..: 04:56				
Iron	ND	100	ug/L	SW846 6010B	03/04-03/12/04	GAHEM1AM
		Dilution Factor: 1				
		Analysis Time..: 04:56				

NOTE(S):

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

B Estimated result. Result is less than RL.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: D4B270172 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: D4C020000-598 **Prep Batch #...:** 4062598					
Calcium	107	(89 - 110)	SW846 6010B	03/04-03/12/04	GAHEM1AG
		Dilution Factor: 1	Analysis Time..: 05:01		
Magnesium	103	(91 - 111)	SW846 6010B	03/04-03/12/04	GAHEM1AH
		Dilution Factor: 1	Analysis Time..: 05:01		
Sodium	102	(91 - 112)	SW846 6010B	03/04-03/12/04	GAHEM1AK
		Dilution Factor: 1	Analysis Time..: 05:01		
Potassium	100	(86 - 111)	SW846 6010B	03/04-03/12/04	GAHEM1AJ
		Dilution Factor: 1	Analysis Time..: 05:01		
Iron	105	(88 - 110)	SW846 6010B	03/04-03/12/04	GAHEM1AN
		Dilution Factor: 1	Analysis Time..: 05:01		

NOTE(S):

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

LABORATORY CONTROL SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: D4B270172 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: D4C020000-598 **Prep Batch #...:** 4062598							
Calcium	50000	53700	ug/L	107	SW846 6010B	03/04-03/12/04	GAHEM1AG
			Dilution Factor: 1		Analysis Time..: 05:01		
Magnesium	50000	51300	ug/L	103	SW846 6010B	03/04-03/12/04	GAHEM1AH
			Dilution Factor: 1		Analysis Time..: 05:01		
Sodium	50000	50800	ug/L	102	SW846 6010B	03/04-03/12/04	GAHEM1AK
			Dilution Factor: 1		Analysis Time..: 05:01		
Potassium	50000	50200	ug/L	100	SW846 6010B	03/04-03/12/04	GAHEM1AJ
			Dilution Factor: 1		Analysis Time..: 05:01		
Iron	1000	1050	ug/L	105	SW846 6010B	03/04-03/12/04	GAHEM1AN
			Dilution Factor: 1		Analysis Time..: 05:01		

NOTE(S):

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

MATRIX SPIKE SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: D4B270172 **Matrix.....:** WATER
Date Sampled...: 02/26/04 12:45 **Date Received..:** 02/27/04

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D4B270160-001 **Prep Batch #...:** 4062598							
Calcium	104	(48 - 153)			SW846 6010B	03/04-03/12/04	GAADX1AX
	117	(48 - 153)	3.5	(0-25)	SW846 6010B	03/04-03/12/04	GAADX1A0
		Dilution Factor: 1					
		Analysis Time..: 05:14					
Magnesium	100	(62 - 146)			SW846 6010B	03/04-03/12/04	GAADX1A1
	113	(62 - 146)	4.1	(0-25)	SW846 6010B	03/04-03/12/04	GAADX1A2
		Dilution Factor: 1					
		Analysis Time..: 05:14					
Sodium	97	(70 - 203)			SW846 6010B	03/04-03/12/04	GAADX1A5
	111	(70 - 203)	3.6	(0-40)	SW846 6010B	03/04-03/12/04	GAADX1A6
		Dilution Factor: 1					
		Analysis Time..: 05:14					
Potassium	103	(76 - 132)			SW846 6010B	03/04-03/12/04	GAADX1A3
	108	(76 - 132)	4.1	(0-25)	SW846 6010B	03/04-03/12/04	GAADX1A4
		Dilution Factor: 1					
		Analysis Time..: 05:14					
Iron	101	(52 - 155)			SW846 6010B	03/04-03/12/04	GAADX1CA
	105	(52 - 155)	4.3	(0-25)	SW846 6010B	03/04-03/12/04	GAADX1CC
		Dilution Factor: 1					
		Analysis Time..: 05:14					

NOTE(S):

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

MATRIX SPIKE SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: D4B270172 **Matrix.....:** WATER
Date Sampled...: 02/26/04 12:45 **Date Received..:** 02/27/04

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D4B270160-001 **Prep Batch #...:** 4062598									
Calcium									
	130000	50000	178000	ug/L	104		SW846 6010B	03/04-03/12/04	GAADX1AX
	130000	50000	184000	ug/L	117	3.5	SW846 6010B	03/04-03/12/04	GAADX1A0
			Dilution Factor: 1						
			Analysis Time..: 05:14						
Magnesium									
	110000	50000	159000	ug/L	100		SW846 6010B	03/04-03/12/04	GAADX1A1
	110000	50000	166000	ug/L	113	4.1	SW846 6010B	03/04-03/12/04	GAADX1A2
			Dilution Factor: 1						
			Analysis Time..: 05:14						
Sodium									
	150000	50000	197000	ug/L	97		SW846 6010B	03/04-03/12/04	GAADX1A5
	150000	50000	204000	ug/L	111	3.6	SW846 6010B	03/04-03/12/04	GAADX1A6
			Dilution Factor: 1						
			Analysis Time..: 05:14						
Potassium									
	4300	50000	55800	ug/L	103		SW846 6010B	03/04-03/12/04	GAADX1A3
	4300	50000	58200	ug/L	108	4.1	SW846 6010B	03/04-03/12/04	GAADX1A4
			Dilution Factor: 1						
			Analysis Time..: 05:14						
Iron									
	ND	1000	1020	ug/L	101		SW846 6010B	03/04-03/12/04	GAADX1CA
	ND	1000	1070	ug/L	105	4.3	SW846 6010B	03/04-03/12/04	GAADX1CC
			Dilution Factor: 1						
			Analysis Time..: 05:14						

NOTE(S):

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

METHOD BLANK REPORT

General Chemistry

Client Lot #...: D4B270172 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Biochemical Oxygen Demand (BOD)		Work Order #: GACR51AA		MB Lot-Sample #:	D4B270000-506	
	ND	2.0	mg/L	MCAWW 405.1	02/27/04	4058506
		Dilution Factor: 1				
		Analysis Time..: 14:00				
Chemical Oxygen Demand (COD)		Work Order #: GATQD1AA		MB Lot-Sample #:	D4C080000-336	
	ND	8.0	mg/L	MCAWW 410.4	03/05/04	4068336
		Dilution Factor: 1				
		Analysis Time..: 14:00				
Chloride		Work Order #: GAE6M1AA		MB Lot-Sample #:	D4C010000-422	
	ND	3.0	mg/L	MCAWW 300.0A	02/27/04	4061422
		Dilution Factor: 1				
		Analysis Time..: 12:50				
Cyanide, Total		Work Order #: GAX5C1AA		MB Lot-Sample #:	D4C090000-601	
	ND	0.010	mg/L	SW846 9012A	03/03-03/04/04	4069601
		Dilution Factor: 1				
		Analysis Time..: 14:00				
Fluoride		Work Order #: GAE6J1AA		MB Lot-Sample #:	D4C010000-424	
	ND	1.0	mg/L	MCAWW 300.0A	02/27/04	4061424
		Dilution Factor: 1				
		Analysis Time..: 12:50				
Nitrate		Work Order #: GAE6R1AA		MB Lot-Sample #:	D4C010000-421	
	ND	0.50	mg/L	MCAWW 300.0A	02/27/04	4061421
		Dilution Factor: 1				
		Analysis Time..: 12:50				
Specific Conductance		Work Order #: GAVLD1AA		MB Lot-Sample #:	D4C080000-565	
	0.91 B	**2.0**	**umhos/cm**	**MCAWW 120.1**	**03/08/04**	**4068565**
		Dilution Factor: 1				
		Analysis Time..: 13:00				
Sulfate		Work Order #: GAE611AA		MB Lot-Sample #:	D4C010000-423	
	ND	5.0	mg/L	MCAWW 300.0A	02/27/04	4061423
		Dilution Factor: 1				
		Analysis Time..: 12:50				
Total Alkalinity		Work Order #: GAM1W1AA		MB Lot-Sample #:	D4C040000-526	
	ND	5.0	mg/L	MCAWW 310.1	03/03/04	4064526
		Dilution Factor: 1				
		Analysis Time..: 17:00				

(Continued on next page)

METHOD BLANK REPORT

General Chemistry

Client Lot #...: D4B270172 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Dissolved Solids		Work Order #: GAXXK1AA		MB Lot-Sample #:	D4C020000-554	
	9.0 B	**10**	**mg/L**	**MCAWW 160.1**	**03/02/04**	**4062554**
		Dilution Factor: 1				
		Analysis Time..: 14:30				
Total Organic Halogens		Work Order #: GCCFV1AA		MB Lot-Sample #:	D4C160000-400	
	ND	30	ug/L	SW846 9020B	03/13-03/15/04	4076400
		Dilution Factor: 1				
		Analysis Time..: 12:00				
Total Organic Carbon		Work Order #: GA11C1AA		MB Lot-Sample #:	D4C100000-444	
	ND	1.0	mg/L	MCAWW 415.1	03/09/04	4070444
		Dilution Factor: 1				
		Analysis Time..: 22:00				
Total Sulfide		Work Order #: GA2F21AA		MB Lot-Sample #:	D4C100000-529	
	ND	4.0	mg/L	SW846 9030B/9034	03/04/04	4070529
		Dilution Factor: 1				
		Analysis Time..: 14:00				

NOTE(S):

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

B Estimated result. Result is less than RL.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: D4B270172 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Biochemical Oxygen Demand (BOD)		Work Order #: GACR51AC	LCS Lot-Sample#: D4B270000-506		
	104	(85 - 115)	MCAWW 405.1	02/27/04	4058506
		Dilution Factor: 1	Analysis Time..: 14:00		
Chemical Oxygen Demand (COD)		Work Order #: GATQD1AC	LCS Lot-Sample#: D4C080000-336		
	96	(86 - 114)	MCAWW 410.4	03/05/04	4068336
		Dilution Factor: 1	Analysis Time..: 14:00		
Chloride		Work Order #: GAE6M1AC	LCS Lot-Sample#: D4C010000-422		
	98	(90 - 110)	MCAWW 300.0A	02/27/04	4061422
		Dilution Factor: 1	Analysis Time..: 12:27		
Cyanide, Total		Work Order #: GAX5C1AC	LCS Lot-Sample#: D4C090000-601		
	95	(89 - 109)	SW846 9012A	03/03-03/04/04	4069601
		Dilution Factor: 1	Analysis Time..: 14:00		
Fluoride		Work Order #: GAE6J1AC	LCS Lot-Sample#: D4C010000-424		
	101	(90 - 110)	MCAWW 300.0A	02/27/04	4061424
		Dilution Factor: 1	Analysis Time..: 12:27		
Nitrate		Work Order #: GAE6R1AC	LCS Lot-Sample#: D4C010000-421		
	97	(90 - 110)	MCAWW 300.0A	02/27/04	4061421
		Dilution Factor: 1	Analysis Time..: 12:27		
Specific Conductance		Work Order #: GAVLD1AC	LCS Lot-Sample#: D4C080000-565		
	102	(89 - 109)	MCAWW 120.1	03/08/04	4068565
		Dilution Factor: 1	Analysis Time..: 13:00		
Sulfate		Work Order #: GAE611AC	LCS Lot-Sample#: D4C010000-423		
	95	(90 - 110)	MCAWW 300.0A	02/27/04	4061423
		Dilution Factor: 1	Analysis Time..: 12:27		
Total Alkalinity		Work Order #: GAM1W1AC	LCS Lot-Sample#: D4C040000-526		
	101	(95 - 110)	MCAWW 310.1	03/03/04	4064526
		Dilution Factor: 1	Analysis Time..: 16:00		
Total Dissolved Solids		Work Order #: GAXXK1AC	LCS Lot-Sample#: D4C020000-554		
	98	(86 - 106)	MCAWW 160.1	03/02/04	4062554
		Dilution Factor: 1	Analysis Time..: 14:30		

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: D4B270172 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Halogens		Work Order #: GCCFV1AC	LCS Lot-Sample#: D4C160000-400		
	97	(75 - 113)	SW846 9020B	03/13/04	4076400
		Dilution Factor: 1	Analysis Time..: 12:00		
Total Organic Carbon		Work Order #: GA11C1AC	LCS Lot-Sample#: D4C100000-444		
	104	(90 - 110)	MCAWW 415.1	03/09/04	4070444
		Dilution Factor: 1	Analysis Time..: 22:00		
Total Sulfide		Work Order #: GA2F21AC	LCS Lot-Sample#: D4C100000-529		
	92	(70 - 130)	SW846 9030B/9034	03/04/04	4070529
		Dilution Factor: 1	Analysis Time..: 14:00		

NOTE(S):

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

LABORATORY CONTROL SAMPLE DATA REPORT

General Chemistry

Client Lot #...: D4B270172 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Biochemical Oxygen Demand (BOD)			Work Order #: GACR51AC		LCS Lot-Sample#: D4B270000-506		
	198	205	mg/L	104	MCAWW 405.1	02/27/04	4058506
			Dilution Factor: 1		Analysis Time..: 14:00		
Chemical Oxygen Demand (COD)			Work Order #: GATQD1AC		LCS Lot-Sample#: D4C080000-336		
	100	96.4	mg/L	96	MCAWW 410.4	03/05/04	4068336
			Dilution Factor: 1		Analysis Time..: 14:00		
Chloride			Work Order #: GAE6M1AC		LCS Lot-Sample#: D4C010000-422		
	20.0	19.7	mg/L	98	MCAWW 300.0A	02/27/04	4061422
			Dilution Factor: 1		Analysis Time..: 12:27		
Cyanide, Total			Work Order #: GAX5C1AC		LCS Lot-Sample#: D4C090000-601		
	0.100	0.0950	mg/L	95	SW846 9012A	03/03-03/04/04	4069601
			Dilution Factor: 1		Analysis Time..: 14:00		
Fluoride			Work Order #: GAE6J1AC		LCS Lot-Sample#: D4C010000-424		
	4.00	4.05	mg/L	101	MCAWW 300.0A	02/27/04	4061424
			Dilution Factor: 1		Analysis Time..: 12:27		
Nitrate			Work Order #: GAE6R1AC		LCS Lot-Sample#: D4C010000-421		
	4.00	3.89	mg/L	97	MCAWW 300.0A	02/27/04	4061421
			Dilution Factor: 1		Analysis Time..: 12:27		
Specific Conductance			Work Order #: GAVLD1AC		LCS Lot-Sample#: D4C080000-565		
	1030	1040	umhos/cm	102	MCAWW 120.1	03/08/04	4068565
			Dilution Factor: 1		Analysis Time..: 13:00		
Sulfate			Work Order #: GAE611AC		LCS Lot-Sample#: D4C010000-423		
	20.0	19.0	mg/L	95	MCAWW 300.0A	02/27/04	4061423
			Dilution Factor: 1		Analysis Time..: 12:27		
Total Alkalinity			Work Order #: GAM1W1AC		LCS Lot-Sample#: D4C040000-526		
	200	203	mg/L	101	MCAWW 310.1	03/03/04	4064526
			Dilution Factor: 1		Analysis Time..: 16:00		
Total Dissolved Solids			Work Order #: GAXXK1AC		LCS Lot-Sample#: D4C020000-554		
	500	491	mg/L	98	MCAWW 160.1	03/02/04	4062554
			Dilution Factor: 1		Analysis Time..: 14:30		

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LABORATORY CONTROL SAMPLE DATA REPORT

General Chemistry

Client Lot #...: D4B270172 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Halogens			Work Order #: GCCFV1AC		LCS Lot-Sample#: D4C160000-400		
	100	97.0	ug/L	97	SW846 9020B	03/13/04	4076400
			Dilution Factor: 1		Analysis Time..: 12:00		
Total Organic Carbon			Work Order #: GA11C1AC		LCS Lot-Sample#: D4C100000-444		
	25.0	26.1	mg/L	104	MCAWW 415.1	03/09/04	4070444
			Dilution Factor: 1		Analysis Time..: 22:00		
Total Sulfide			Work Order #: GA2F21AC		LCS Lot-Sample#: D4C100000-529		
	22.8	20.9	mg/L	92	SW846 9030B/9034	03/04/04	4070529
			Dilution Factor: 1		Analysis Time..: 14:00		

NOTE(S):

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

MATRIX SPIKE SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: D4B270172 **Matrix.....:** WATER
Date Sampled...: 02/24/04 08:45 **Date Received..:** 02/26/04

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chemical Oxygen Demand (COD)		WO#: GADFT1A7-MS/GADFT1A8-MSD				MS Lot-Sample #: D4B280185-001	
	95	(74 - 109)			MCAWW 410.4	03/05/04	4068336
	91	(74 - 109)	3.5	(0-11)	MCAWW 410.4	03/05/04	4068336
		Dilution Factor: 1					
		Analysis Time..: 14:00					
Chloride		WO#: GAAE51CR-MS/GAAE51CT-MSD				MS Lot-Sample #: D4B270172-001	
	107 I	(80 - 120)			MCAWW 300.0A	02/27/04	4061422
	107 I	(80 - 120)	0.26	(0-10)	MCAWW 300.0A	02/27/04	4061422
		Dilution Factor: 1					
		Analysis Time..: 17:20					
Cyanide, Total		WO#: F96WW1A5-MS/F96WW1A6-MSD				MS Lot-Sample #: D4B250244-001	
	94	(78 - 120)			SW846 9012A	03/03-03/04/04	4069601
	94	(78 - 120)	0.32	(0-20)	SW846 9012A	03/03-03/04/04	4069601
		Dilution Factor: 1					
		Analysis Time..: 14:00					
Fluoride		WO#: GAAE51CP-MS/GAAE51CQ-MSD				MS Lot-Sample #: D4B270172-001	
	100	(80 - 120)			MCAWW 300.0A	02/27/04	4061424
	98	(80 - 120)	2.2	(0-10)	MCAWW 300.0A	02/27/04	4061424
		Dilution Factor: 1					
		Analysis Time..: 17:20					
Nitrate		WO#: GAAE51CU-MS/GAAE51CV-MSD				MS Lot-Sample #: D4B270172-001	
	101	(80 - 120)			MCAWW 300.0A	02/27/04	4061421
	101	(80 - 120)	0.39	(0-10)	MCAWW 300.0A	02/27/04	4061421
		Dilution Factor: 1					
		Analysis Time..: 17:20					
Sulfate		WO#: GAAE51CW-MS/GAAE51CX-MSD				MS Lot-Sample #: D4B270172-001	
	103	(80 - 120)			MCAWW 300.0A	02/27/04	4061423
	103	(80 - 120)	0.0	(0-10)	MCAWW 300.0A	02/27/04	4061423
		Dilution Factor: 1					
		Analysis Time..: 17:54					
Total Organic Halogens		WO#: GACLK1AC-MS/GACLK1AD-MSD				MS Lot-Sample #: D4B270352-003	
	105	(75 - 113)			SW846 9020B	03/12-03/13/04	4074114
	91	(75 - 113)	14	(0-30)	SW846 9020B	03/12-03/13/04	4074114
		Dilution Factor: 1					
		Analysis Time..: 12:00					

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MATRIX SPIKE SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: D4B270172 **Matrix.....:** WATER
Date Sampled...: 02/24/04 08:45 **Date Received..:** 02/26/04

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon		WO#: GAERL1AF-MS/GAERL1AG-MSD				MS Lot-Sample #: D4C010206-001	
	102	(85 - 117)			MCAWW 415.1	03/09/04	4070442
	100	(85 - 117)	1.8	(0-10)	MCAWW 415.1	03/09/04	4070442
		Dilution Factor: 1					
		Analysis Time..: 19:00					
Total Sulfide		WO#: GAAH91A1-MS/GAAH91A2-MSD				MS Lot-Sample #: I4B270185-007	
	78	(70 - 130)			SW846 9030B/9034	03/04/04	4070529
	74	(70 - 130)	4.7	(0-20)	SW846 9030B/9034	03/04/04	4070529
		Dilution Factor: 1					
		Analysis Time..: 14:00					

NOTE(S):

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

I Estimated result. Result concentration exceeds the calibration range.

MATRIX SPIKE SAMPLE DATA REPORT

General Chemistry

Client Lot #...: D4B270172 **Matrix.....:** WATER
Date Sampled...: 02/24/04 08:45 **Date Received..:** 02/26/04

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chemical Oxygen Demand (COD)			WO#: GADFT1A7-MS/GADFT1A8-MSD				MS Lot-Sample #: D4B280185-001		
	ND	50.0	47.3	mg/L	95		MCAWW 410.4	03/05/04	4068336
	ND	50.0	45.6	mg/L	91	3.5	MCAWW 410.4	03/05/04	4068336
			Dilution Factor: 1						
			Analysis Time..: 14:00						
Chloride			WO#: GAAE51CR-MS/GAAE51CT-MSD				MS Lot-Sample #: D4B270172-001		
	27	25.0	53.8 I	mg/L	107		MCAWW 300.0A	02/27/04	4061422
	27	25.0	54.0 I	mg/L	107	0.26	MCAWW 300.0A	02/27/04	4061422
			Dilution Factor: 1						
			Analysis Time..: 17:20						
Cyanide, Total			WO#: F96WW1A5-MS/F96WW1A6-MSD				MS Lot-Sample #: D4B250244-001		
	ND	0.100	0.0940	mg/L	94		SW846 9012A	03/03-03/04/04	4069601
	ND	0.100	0.0937	mg/L	94	0.32	SW846 9012A	03/03-03/04/04	4069601
			Dilution Factor: 1						
			Analysis Time..: 14:00						
Fluoride			WO#: GAAE51CP-MS/GAAE51CQ-MSD				MS Lot-Sample #: D4B270172-001		
	0.46	5.00	5.48	mg/L	100		MCAWW 300.0A	02/27/04	4061424
	0.46	5.00	5.36	mg/L	98	2.2	MCAWW 300.0A	02/27/04	4061424
			Dilution Factor: 1						
			Analysis Time..: 17:20						
Nitrate			WO#: GAAE51CU-MS/GAAE51CV-MSD				MS Lot-Sample #: D4B270172-001		
	ND	5.00	5.05	mg/L	101		MCAWW 300.0A	02/27/04	4061421
	ND	5.00	5.07	mg/L	101	0.39	MCAWW 300.0A	02/27/04	4061421
			Dilution Factor: 1						
			Analysis Time..: 17:20						
Sulfate			WO#: GAAE51CW-MS/GAAE51CX-MSD				MS Lot-Sample #: D4B270172-001		
	50	125	179	mg/L	103		MCAWW 300.0A	02/27/04	4061423
	50	125	179	mg/L	103	0.0	MCAWW 300.0A	02/27/04	4061423
			Dilution Factor: 1						
			Analysis Time..: 17:54						
Total Organic Halogens			WO#: GACLK1AC-MS/GACLK1AD-MSD				MS Lot-Sample #: D4B270352-003		
	ND	200	210	ug/L	105		SW846 9020B	03/12-03/13/04	4074114
	ND	200	182	ug/L	91	14	SW846 9020B	03/12-03/13/04	4074114
			Dilution Factor: 1						
			Analysis Time..: 12:00						

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MATRIX SPIKE SAMPLE DATA REPORT

General Chemistry

Client Lot #...: D4B270172 **Matrix.....:** WATER
Date Sampled...: 02/24/04 08:45 **Date Received..:** 02/26/04

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon			WO#: GAERL1AF-MS/GAERL1AG-MSD				MS Lot-Sample #: D4C010206-001		
	15	25.0	40.5	mg/L	102		MCAWW 415.1	03/09/04	4070442
	15	25.0	39.8	mg/L	100	1.8	MCAWW 415.1	03/09/04	4070442
			Dilution Factor: 1						
			Analysis Time..: 19:00						
Total Sulfide			WO#: GAAH91A1-MS/GAAH91A2-MSD				MS Lot-Sample #: I4B270185-007		
	0.70	22.8	18.4	mg/L	78		SW846 9030B/9	03/04/04	4070529
	0.70	22.8	17.5	mg/L	74	4.7	SW846 9030B/9	03/04/04	4070529
			Dilution Factor: 1						
			Analysis Time..: 14:00						

NOTE(S):

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

I Estimated result. Result concentration exceeds the calibration range.

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: D4B270172 **Work Order #...:** GACG2-SMP GACG2-DUP **Matrix.....:** WATER

Date Sampled...: 02/26/04 14:20 **Date Received..:** 02/27/04

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Biochemical Oxygen Demand (BOD)						SD Lot-Sample #:	D4B270299-003	
	62 G	62 G	mg/L	0.16	(0-20)	MCAWW 405.1	02/27/04	4058506

Dilution Factor: 5 Analysis Time..: 14:00

NOTE(S):

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

G Elevated reporting limit. The reporting limit is elevated due to matrix interference.

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: D4B270172 **Work Order #...:** GAA7X-SMP GAA7X-DUP **Matrix.....:** WATER

Date Sampled...: 02/26/04 11:30 **Date Received..:** 02/27/04

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Dissolved Solids						SD Lot-Sample #:	D4B270288-003	
	210 J	200	mg/L	3.0	(0-20)	MCAWW 160.1	03/02/04	4062554
			Dilution Factor: 1			Analysis Time..: 14:30		

NOTE(S):

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

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

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: D4B270172 **Work Order #...:** F97H1-SMP **Matrix.....:** WATER
F97H1-DUP

Date Sampled...: 02/24/04 10:30 **Date Received..:** 02/25/04

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Alkalinity						SD Lot-Sample #:	D4B250313-008	
	310	310	mg/L	1.3	(0-10)	MCAWW 310.1	03/03/04	4064526

Dilution Factor: 1 Analysis Time..: 17:00

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: D4B270172 **Work Order #...:** F96ER-SMP F96ER-DUP **Matrix.....:** WATER

Date Sampled...: 02/20/04 12:10 **Date Received..:** 02/25/04

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Specific Conductance						SD Lot-Sample #:	D4B250178-020	
	3900 J	4100	umhos/cm	3.8	(0-7.0)	MCAWW 120.1	03/08/04	4068565

Dilution Factor: 1 Analysis Time..: 13:00

NOTE(S):

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

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

Chain of Custody Record

2.4° AB 2/27/04

SEVERN TRENT **STL**

Severn Trent Laboratories, Inc.

STL Denver
4955 Yarrow Street
Arvada, CO 80002

STL-4124 (0901)

Client	Project Manager	Date	Chain of Custody Number
SCS-ENG. c/o WASTE MGMT	TINA SCHMIESING	2/26/04	306147
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page 1 of 1**
3711 LONG BEACH BLVD 9TH	1800 326-9544		
City / State / Zip Code	**Site Contact**	**Lab Contact**	
LONG BEACH / CA / 90807	BRUCE M.	BETSY F.	
Project Name and Location (State)	**Carrier/Waybill Number**		
BRADLEY			
Contract/Purchase Order/Quote No.			
234-25662-C			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil		Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH		Analysis (Attach list if more space is needed): COND.	TOT. ALK	SO4/Cl/F	TDS	Metals tot	TOX	COD/TOC	VOA	Metals diss.	BOD	NO3/N	BNA	CN	T.SOLIDS	Special Instructions/ Conditions of Receipt
4916 G	2/26/04	1005		X				5	2	2	3	1	1		X	X	X	X	X	X	X	X	X	X	X	X	X	X	
TRIP BLANK	2/26/04	1100		X							1											X							

Possible Hazard Identification: ☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal: ☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify):

	Date	Time		Date	Time
1. Relinquished By	2/26/04	1440	1. Received By	2/27/04	0900
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments:

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

FIELD INFORMATION FORM

WASTE MANAGEMENT

Site Name: BRADLEY LF

Site No.:

Sample Point: 4916 G (Sample ID)

This Waste Management Field Information Form is Required
This form is to be completed, in addition to any State Forms. The Field Form is submitted along with the Chain of Custody Forms that accompany the sample containers (i.e. with the cooler that is returned to the laboratory).

Laboratory Use Only/Lab ID: D4B270172-001

PURGE INFO

PURGE DATE (MM DD YY)	PURGE TIME (2400 Hr Clock)	ELAPSED HRS (hrs:min)	WATER VOL IN CASING (Gallons)	ACTUAL VOL PURGED (Gallons)	WELL VOLs PURGED
022604	0820	145	560	50	

Note: For Passive Sampling, replace "Water Vol in Casing" and "Well Vols Purged" w/ Water Vol in Tubing/Flow Cell and Tubing/Flow Cell Vols Purged. Mark changes, record field data, below.

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment ... Dedicated: (Y) or N

Purging Device: C — A- Submersible Pump, B-Peristaltic Pump, C-QED Bladder Pump, D-Bailer, E-Piston Pump, F-Dipper/Bottle

Sampling Device: C

X-Other:

Filter Device: (Y) or N — (0.45 µ) or ____ µ (circle or fill in)

Filter Type: A — A-In-line Disposable, B-Pressure, C-Vacuum, X-Other

Sample Tube Type: D — A-Teflon, B-Stainless Steel, C-PVC, D-Polypropylene, X-Other:

WELL DATA

Well Elevation (at TOC): 900.55 (ft/msl)

Depth to Water (DTW) (from TOC): 27.45 (ft)

Groundwater Elevation (site datum, from TOC): ____ (ft/msl)

Total Well Depth (from TOC): 363 (ft)

Stick Up (from ground elevation): ____ (ft)

Casing ID: 4.0 (in)

Casing Material: PVC

Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data, unless required by Site/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

STABILIZATION DATA (Optional)

Sample Time (2400 Hr Clock)	Rate/Unit	pH (std)	Conductance (SC/EC) (µmhos/cm @ 25 °C)	Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
09:00	2.0 1st	7.19 1st	.539 1st	23.0	0.2	1.7	—	—
09:24	3.0 2nd	7.18 2nd	.538 2nd	21.2	0.6	1.8	—	—
09:43	4.0 3rd	7.17 3rd	.538 3rd	23.3	0.7	2.2	—	—
10:00	5.0 4th	7.18 4th	.539 4th	23.4	0.0	2.3	—	—
Suggested range for 3 consec. readings or note Permit/State requirements:		+/- 0.2	+/- 3%	--	--	+/- 10%	+/- 25 mV	Stabilize

Stabilization Data Fields are Optional *(i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State/Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form.*

FIELD DATA

SAMPLE DATE (MM DD YY)	pH (std)	CONDUCTANCE (umhos/cm @ 25°C)	TEMP. (°C)	TURBIDITY (ntu)	DO (mg/L-ppm)	eH/ORP (mV)	Other: Units
022604	7.18	.539	23.4	0.0	2.3	—	—

Final Field Readings are required *(i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site.*

Sample Appearance: clear — Odor: None — Color: clear — Other: —

Weather Conditions (required daily, or as conditions change): Direction/Speed: ____ Outlook: Cloudy Precipitation: Y or (N)

Specific Comments (including purge/well volume calculations if required):

FIELD COMMENTS

- Samples collected after readings had stabilized at 5 gal.
- Samples collected @ 1005 HRS.

I certify that sampling procedures were in accordance with applicable EPA, State, and WM protocols (if more than one sampler, all should sign):

Date	Name	Signature	Company
02/26/04	Ernesto Martinez	[signature]	CS-ES.

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample. YELLOW - Returned to Client. PINK - Field Copy

SEVERN TRENT STL

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ANALYTICAL REPORT

Project No. Site 234

Bradley LF

Lot #: D4B280137

Groundwater

Bruce Matlock

Waste Mgmt. Disp. Serv. of CA
9081 Tujunga
Sun Valley, CA 91352

Cc: Tina Schmiesing

STL DENVER

Betsy Farnaus
Project Manager

March 17, 2004

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- **Analytical Results**
- **QC Data Association Summary**
- **Chain-of-Custody**

Case Narrative

Enclosed is the report for three samples received at STL's Denver laboratory on February 28, 2004. The results included in this report have been reviewed for compliance with STL's Laboratory Quality Manual. The test results shown in this report meet all requirements of NELAC and any exceptions are noted below.

This report may include data with reporting limits (RLs) less than STL Denver's standard reporting limits. These data and reporting limits are being used specifically to meet the needs of this project. Note that, data are not customarily reported to these levels without qualifiers, because they are inherently less reliable and potentially less defensible than the latest industry standards require. Please contact STL Denver for more details.

Dilution factors and footnotes have been provided to assist in the interpretation of the results. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at concentrations above the linear calibration curve, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

STL utilizes USEPA approved methods in all analytical work. The samples presented in this report were analyzed for the parameters listed on the analytical methods summary page in accordance with the methods indicated. A summary of quality control parameters is provided below.

This report shall not be reproduced except in full, without the written approval of the laboratory.

Quality Control Summary for Lot D4B280137

Sample Receiving

- The cooler temperatures upon receipt at the Denver laboratory was 2.8°C.
- Two of the three VOA vials received for the samples 4915B and 4916D contained pea-size bubbles. The client was notified.
- All other sample bottles were received in acceptable condition.

Holding Times

- All holding times were within established control limits.

Method Blanks

- Total Copper, Dissolved Calcium Method 6010B, Specific Conductance Method 120.1 and Total Dissolved Solids (TDS) Method 160.1 were detected in the Method Blanks below the project established reporting limits. No corrective action is taken for any values in Method Blanks that are below the requested reporting limits. The Method Blank data are included at the end of this report.

- All other Method Blanks were within established control limits.

Laboratory Control Samples

- All Laboratory Control Samples were within established control limits.

Matrix Spike and Matrix Spike Duplicate (MS/MSD)

- The Method 7470A MS/MSD RPD result was outside the RPD limit for Total Mercury. Because the corresponding Matrix Spike and Matrix Spike Duplicate recoveries, Laboratory Control Sample, and Method Blank sample were within control limits, this anomaly is considered to be due to matrix interference and no corrective action was taken.

- The percent recoveries of the MS/MSD and/or the relative percent difference were not calculated for Dissolved Magnesium and Dissolved Sodium during Method 6010B analysis because the sample concentration was greater than four times the spike amount.

- The Method 410.4 MS/MSD RPD result was outside the RPD limit for Chemical Oxygen Demand (COD). Because the corresponding Matrix Spike and Matrix Spike Duplicate recoveries, Laboratory Control Sample, and Method Blank sample were within control limits, this anomaly is considered to be due to matrix interference and no corrective action was taken.

- Due to the result concentration exceeding the calibration range the MS/MSD results for Sulfate Method 300.0A are estimated.

- All other MS and MSD samples were within established control limits.

EXECUTIVE SUMMARY - Detection Highlights

D4B280137

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
4915 B 02/27/04 09:00 001				
Calcium - DISSOLVED	47000 J	200	ug/L	SW846 6010B
Magnesium - DISSOLVED	12000	200	ug/L	SW846 6010B
Sodium - DISSOLVED	24000	5000	ug/L	SW846 6010B
Potassium - DISSOLVED	3300 B	5000	ug/L	SW846 6010B
Manganese	1.0 B	10	ug/L	SW846 6010B
Barium	64 B	100	ug/L	SW846 6010B
Potassium	2800 B	5000	ug/L	SW846 6010B
Copper	2.7 B,J	10	ug/L	SW846 6010B
Boron	140	100	ug/L	SW846 6010B
Specific Conductance	440 J	2.0	umhos/cm	MCAWW 120.1
Total Dissolved Solids	280 J	10	mg/L	MCAWW 160.1
Chloride	13	3.0	mg/L	MCAWW 300.0A
Sulfate	41	5.0	mg/L	MCAWW 300.0A
Fluoride	0.66 B	1.0	mg/L	MCAWW 300.0A
Nitrate	0.50	0.50	mg/L	MCAWW 300.0A
Total Sulfide	0.86 B	4.0	mg/L	SW846 9030B/9034
Bicarbonate Alkalinity	160	5.0	mg/L	MCAWW 310.1
Total Alkalinity	160	5.0	mg/L	MCAWW 310.1
4916 D 02/27/04 11:00 002				
Calcium - DISSOLVED	63000 J	200	ug/L	SW846 6010B
Magnesium - DISSOLVED	17000	200	ug/L	SW846 6010B
Sodium - DISSOLVED	25000	5000	ug/L	SW846 6010B
Potassium - DISSOLVED	4100 B	5000	ug/L	SW846 6010B
Iron - DISSOLVED	2900	100	ug/L	SW846 6010B
Mercury	0.64	0.20	ug/L	SW846 7470A
Cobalt	2.4 B	10	ug/L	SW846 6010B
Lead	2.3 B	3.0	ug/L	SW846 6010B
Manganese	1200	10	ug/L	SW846 6010B
Barium	110	100	ug/L	SW846 6010B
Potassium	3800 B	5000	ug/L	SW846 6010B
Copper	13 J	10	ug/L	SW846 6010B
Nickel	4.3 B	40	ug/L	SW846 6010B
Zinc	30	20	ug/L	SW846 6010B
Boron	160	100	ug/L	SW846 6010B
1,4-Dichlorobenzene	0.26 J	10	ug/L	SW846 8260B
cis-1,2-Dichloroethene	0.56 J	10	ug/L	SW846 8260B
Vinyl chloride	0.64 J	1.0	ug/L	SW846 8260B
Specific Conductance	580 J	2.0	umhos/cm	MCAWW 120.1
Total Dissolved Solids	340 J	10	mg/L	MCAWW 160.1

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

D4B280137

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
4916 D 02/27/04 11:00 002				
Biochemical Oxygen Demand (BOD)	3.9	2.0	mg/L	MCAWW 405.1
Chloride	27	3.0	mg/L	MCAWW 300.0A
Sulfate	58 Q	25	mg/L	MCAWW 300.0A
Fluoride	0.44 B	1.0	mg/L	MCAWW 300.0A
Nitrate	0.13 B	0.50	mg/L	MCAWW 300.0A
Total Organic Halogens	7.0 B	30	ug/L	SW846 9020B
Bicarbonate Alkalinity	190	5.0	mg/L	MCAWW 310.1
Total Alkalinity	190	5.0	mg/L	MCAWW 310.1

PREPARATION METHODS SUMMARY

D4B280137

PREPARATION DESCRIPTION	PREPARATION METHOD	ANALYTICAL METHOD
Acid Digestion for Total Recoverable Metals	SW846 3005A	SW846 6010B
Bicarbonate Alkalinity	MCAWW 310.1	MCAWW 310.1
Carbonate Alkalinity	MCAWW 310.1	MCAWW 310.1
Chemical Oxygen Demand	MCAWW 410.4	MCAWW 410.4
Chloride	MCAWW 300.0A	MCAWW 300.0A
Continuous Liquid-Liquid Extraction	SW846 3520C	SW846 8270C
Distillation procedure	SW846 9012A	SW846 9012A
Filterable Residue (TDS)	MCAWW 160.1	MCAWW 160.1
Fluoride	MCAWW 300.0A	MCAWW 300.0A
Incubation	MCAWW 405.1	MCAWW 405.1
Mercury Sample Preparation	SW846 7470A	SW846 7470A
Nitrate	MCAWW 300.0A	MCAWW 300.0A
Potentiometric titration to preselected pH	MCAWW 310.1	MCAWW 310.1
Specific Conductance	MCAWW 120.1	MCAWW 120.1
Sulfate	MCAWW 300.0A	MCAWW 300.0A
Sulfides, Total	SW846 9030B/903	SW846 9030B/903
Total Organic Carbon	MCAWW 415.1	MCAWW 415.1
Total Organic Halogens	SW846 9020B	SW846 9020B
25 mL Purge-and-Trap	SW846 5030B/826	SW846 8260B

References:

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

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

ANALYTICAL METHODS SUMMARY

D4B280137

PARAMETER	ANALYTICAL METHOD
Alkalinity	MCAWW 310.1
Bicarbonate Alkalinity	MCAWW 310.1
Biochemical Oxygen Demand	MCAWW 405.1
Carbonate Alkalinity	MCAWW 310.1
Chemical Oxygen Demand	MCAWW 410.4
Chloride	MCAWW 300.0A
Cyanide, Total	SW846 9012A
Filterable Residue (TDS)	MCAWW 160.1
Fluoride	MCAWW 300.0A
Inductively Coupled Plasma (ICP) Metals	SW846 6010B
Mercury in Liquid Waste (Manual Cold-Vapor)	SW846 7470A
Nitrate as N	MCAWW 300.0A
Semivolatile Organic Compounds by GC/MS	SW846 8270C
Specific Conductance	MCAWW 120.1
Sulfate	MCAWW 300.0A
Sulfides, Total 9030B/9034	SW846 9030B/9034
Total Organic Carbon	MCAWW 415.1
Total Organic Halogens	SW846 9020B
Trace Inductively Coupled Plasma (ICP) Metals	SW846 6010B
Volatile Organics by GC/MS	SW846 8260B

References:

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

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

METHOD / ANALYST SUMMARY

D4B280137

ANALYTICAL METHOD	ANALYST	ANALYST ID
MCAWW 120.1	Ewa Kudla	001167
MCAWW 160.1	Jean Carrier	008763
MCAWW 300.0A	Andrita Scofield	004409
MCAWW 310.1	Ewa Kudla	001167
MCAWW 405.1	Lowell Coon	016091
MCAWW 410.4	Jean Carrier	008763
MCAWW 415.1	Duane Allee	001470
SW846 6010B	Kristen Roda	5692
SW846 6010B	Lynn-Anne Trudell	6645
SW846 7470A	Kacey Ono	003371
SW846 8260B	Greg Meier	006004
SW846 8270C	David Kidd	007536
SW846 8270C	Joann Peterson	011674
SW846 9012A	Ewa Kudla	001167
SW846 9020B	Duane Allee	001470
SW846 9030B/9034	Claire Likar	004382

References:

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

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

SAMPLE SUMMARY

D4B280137

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
GAC49	001	4915 B	02/27/04	09:00
GAC5G	002	4916 D	02/27/04	11:00
GAC5H	003	TRIP BLANK	02/27/04	11:40

NOTE(S):

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

WASTE MANAGEMENT INC.

Client Sample ID: 4915 B

GC/MS Volatiles

Lot-Sample #...: D4B280137-001 **Work Order #...:** GAC491AT **Matrix.....:** WATER
Date Sampled...: 02/27/04 09:00 **Date Received..:** 02/28/04
Prep Date.....: 03/11/04 **Analysis Date..:** 03/11/04
Prep Batch #...: 4075390 **Analysis Time..:** 16:06
Dilution Factor: 1
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	34	ug/L	2.5
Acrylonitrile	ND	100	ug/L	3.1
Benzene	ND	1.0	ug/L	0.17
Bromochloromethane	ND	10	ug/L	0.27
Bromodichloromethane	ND	5.0	ug/L	0.20
Bromoform	ND	5.0	ug/L	0.23
Bromomethane	ND	10	ug/L	0.22
Carbon disulfide	ND	5.0	ug/L	0.24
Carbon tetrachloride	ND	0.50	ug/L	0.20
Chlorobenzene	ND	5.0	ug/L	0.13
Dibromochloromethane	ND	5.0	ug/L	0.19
Chloroethane	ND	10	ug/L	0.18
Chloroform	ND	5.0	ug/L	0.17
Chloromethane	ND	10	ug/L	0.91
Dibromomethane	ND	10	ug/L	0.31
1,2-Dichlorobenzene	ND	10	ug/L	0.15
1,4-Dichlorobenzene	ND	10	ug/L	0.16
trans-1,4-Dichloro-2-butene	ND	10	ug/L	0.45
Dichlorodifluoromethane	ND	10	ug/L	0.22
1,1-Dichloroethane	ND	5.0	ug/L	0.22
1,2-Dichloroethane	ND	5.0	ug/L	0.26
1,1-Dichloroethene	ND	1.0	ug/L	0.23
cis-1,2-Dichloroethene	ND	10	ug/L	0.14
trans-1,2-Dichloroethene	ND	10	ug/L	0.15
1,2-Dichloropropane	ND	5.0	ug/L	0.18
cis-1,3-Dichloropropene	ND	5.0	ug/L	0.19
trans-1,3-Dichloropropene	ND	5.0	ug/L	0.20
Ethylbenzene	ND	5.0	ug/L	0.12
Trichlorofluoromethane	ND	10	ug/L	0.24
2-Hexanone	ND	5.0	ug/L	1.7
Iodomethane	ND	10	ug/L	0.19
Methylene chloride	ND	5.0	ug/L	0.21
4-Methyl-2-pentanone	ND	10	ug/L	0.98
Styrene	ND	5.0	ug/L	0.14
1,1,1,2-Tetrachloroethane	ND	5.0	ug/L	0.21
1,1,2,2-Tetrachloroethane	ND	5.0	ug/L	0.21
Tetrachloroethene	ND	5.0	ug/L	0.26

(Continued on next page)

WASTE MANAGEMENT INC.

Client Sample ID: 4915 B

GC/MS Volatiles

Lot-Sample #...: D4B280137-001 **Work Order #...:** GAC491AT **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Toluene	ND	1.0	ug/L	0.15
1,1,1-Trichloroethane	ND	5.0	ug/L	0.16
1,1,2-Trichloroethane	ND	5.0	ug/L	0.27
Trichloroethene	ND	5.0	ug/L	0.16
1,2,3-Trichloropropane	ND	10	ug/L	0.33
Vinyl acetate	ND	10	ug/L	0.56
Vinyl chloride	ND	1.0	ug/L	0.19
Xylenes (total)	ND	10	ug/L	0.41
1,2-Dibromo-3-chloropropane (DBCP)	ND	10	ug/L	0.47
1,2-Dibromoethane (EDB)	ND	1.0	ug/L	0.18
2-Butanone (MEK)	ND	10	ug/L	2.0

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	91	(76 - 116)
1,2-Dichloroethane-d4	82	(59 - 129)
4-Bromofluorobenzene	94	(74 - 114)
Toluene-d8	95	(76 - 116)

WASTE MANAGEMENT INC.

Client Sample ID: 4916 D

GC/MS Volatiles

Lot-Sample #...: D4B280137-002 **Work Order #...:** GAC5G1A5 **Matrix.....:** WATER
Date Sampled...: 02/27/04 11:00 **Date Received..:** 02/28/04
Prep Date.....: 03/11/04 **Analysis Date..:** 03/11/04
Prep Batch #...: 4075390 **Analysis Time..:** 17:17
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	34	ug/L	2.5
Acrylonitrile	ND	100	ug/L	3.1
Benzene	ND	1.0	ug/L	0.17
Bromochloromethane	ND	10	ug/L	0.27
Bromodichloromethane	ND	5.0	ug/L	0.20
Bromoform	ND	5.0	ug/L	0.23
Bromomethane	ND	10	ug/L	0.22
Carbon disulfide	ND	5.0	ug/L	0.24
Carbon tetrachloride	ND	0.50	ug/L	0.20
Chlorobenzene	ND	5.0	ug/L	0.13
Dibromochloromethane	ND	5.0	ug/L	0.19
Chloroethane	ND	10	ug/L	0.18
Chloroform	ND	5.0	ug/L	0.17
Chloromethane	ND	10	ug/L	0.91
Dibromomethane	ND	10	ug/L	0.31
1,2-Dichlorobenzene	ND	10	ug/L	0.15
1,4-Dichlorobenzene	**0.26 J**	**10**	**ug/L**	**0.16**
trans-1,4-Dichloro-2-butene	ND	10	ug/L	0.45
Dichlorodifluoromethane	ND	10	ug/L	0.22
1,1-Dichloroethane	ND	5.0	ug/L	0.22
1,2-Dichloroethane	ND	5.0	ug/L	0.26
1,1-Dichloroethene	ND	1.0	ug/L	0.23
cis-1,2-Dichloroethene	**0.56 J**	**10**	**ug/L**	**0.14**
trans-1,2-Dichloroethene	ND	10	ug/L	0.15
1,2-Dichloropropane	ND	5.0	ug/L	0.18
cis-1,3-Dichloropropene	ND	5.0	ug/L	0.19
trans-1,3-Dichloropropene	ND	5.0	ug/L	0.20
Ethylbenzene	ND	5.0	ug/L	0.12
Trichlorofluoromethane	ND	10	ug/L	0.24
2-Hexanone	ND	5.0	ug/L	1.7
Iodomethane	ND	10	ug/L	0.19
Methylene chloride	ND	5.0	ug/L	0.21
4-Methyl-2-pentanone	ND	10	ug/L	0.98
Styrene	ND	5.0	ug/L	0.14
1,1,1,2-Tetrachloroethane	ND	5.0	ug/L	0.21
1,1,2,2-Tetrachloroethane	ND	5.0	ug/L	0.21
Tetrachloroethene	ND	5.0	ug/L	0.26

(Continued on next page)

WASTE MANAGEMENT INC.

Client Sample ID: 4916 D

GC/MS Volatiles

Lot-Sample #...: D4B280137-002 **Work Order #...:** GAC5G1A5 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Toluene	ND	1.0	ug/L	0.15
1,1,1-Trichloroethane	ND	5.0	ug/L	0.16
1,1,2-Trichloroethane	ND	5.0	ug/L	0.27
Trichloroethene	ND	5.0	ug/L	0.16
1,2,3-Trichloropropane	ND	10	ug/L	0.33
Vinyl acetate	ND	10	ug/L	0.56
Vinyl chloride	**0.64 J**	**1.0**	**ug/L**	**0.19**
Xylenes (total)	ND	10	ug/L	0.41
1,2-Dibromo-3-chloropropane (DBCP)	ND	10	ug/L	0.47
1,2-Dibromoethane (EDB)	ND	1.0	ug/L	0.18
2-Butanone (MEK)	ND	10	ug/L	2.0

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	97	(76 - 116)
1,2-Dichloroethane-d4	90	(59 - 129)
4-Bromofluorobenzene	91	(74 - 114)
Toluene-d8	86	(76 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

WASTE MANAGEMENT INC.

Client Sample ID: TRIP BLANK

GC/MS Volatiles

Lot-Sample #...: D4B280137-003 **Work Order #...:** GAC5H1AA **Matrix.....:** WATER
Date Sampled...: 02/27/04 11:40 **Date Received..:** 02/28/04
Prep Date.....: 03/11/04 **Analysis Date..:** 03/11/04
Prep Batch #...: 4075390 **Analysis Time..:** 17:41
Dilution Factor: 1
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	34	ug/L	2.5
Acrylonitrile	ND	100	ug/L	3.1
Benzene	ND	1.0	ug/L	0.17
Bromochloromethane	ND	10	ug/L	0.27
Bromodichloromethane	ND	5.0	ug/L	0.20
Bromoform	ND	5.0	ug/L	0.23
Bromomethane	ND	10	ug/L	0.22
Carbon disulfide	ND	5.0	ug/L	0.24
Carbon tetrachloride	ND	0.50	ug/L	0.20
Chlorobenzene	ND	5.0	ug/L	0.13
Dibromochloromethane	ND	5.0	ug/L	0.19
Chloroethane	ND	10	ug/L	0.18
Chloroform	ND	5.0	ug/L	0.17
Chloromethane	ND	10	ug/L	0.91
Dibromomethane	ND	10	ug/L	0.31
1,2-Dichlorobenzene	ND	10	ug/L	0.15
1,4-Dichlorobenzene	ND	10	ug/L	0.16
trans-1,4-Dichloro-2-butene	ND	10	ug/L	0.45
Dichlorodifluoromethane	ND	10	ug/L	0.22
1,1-Dichloroethane	ND	5.0	ug/L	0.22
1,2-Dichloroethane	ND	5.0	ug/L	0.26
1,1-Dichloroethene	ND	1.0	ug/L	0.23
cis-1,2-Dichloroethene	ND	10	ug/L	0.14
trans-1,2-Dichloroethene	ND	10	ug/L	0.15
1,2-Dichloropropane	ND	5.0	ug/L	0.18
cis-1,3-Dichloropropene	ND	5.0	ug/L	0.19
trans-1,3-Dichloropropene	ND	5.0	ug/L	0.20
Ethylbenzene	ND	5.0	ug/L	0.12
Trichlorofluoromethane	ND	10	ug/L	0.24
2-Hexanone	ND	5.0	ug/L	1.7
Iodomethane	ND	10	ug/L	0.19
Methylene chloride	ND	5.0	ug/L	0.21
4-Methyl-2-pentanone	ND	10	ug/L	0.98
Styrene	ND	5.0	ug/L	0.14
1,1,1,2-Tetrachloroethane	ND	5.0	ug/L	0.21
1,1,2,2-Tetrachloroethane	ND	5.0	ug/L	0.21
Tetrachloroethene	ND	5.0	ug/L	0.26

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WASTE MANAGEMENT INC.

Client Sample ID: TRIP BLANK

GC/MS Volatiles

Lot-Sample #...: D4B280137-003 **Work Order #...:** GAC5H1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Toluene	ND	1.0	ug/L	0.15
1,1,1-Trichloroethane	ND	5.0	ug/L	0.16
1,1,2-Trichloroethane	ND	5.0	ug/L	0.27
Trichloroethene	ND	5.0	ug/L	0.16
1,2,3-Trichloropropane	ND	10	ug/L	0.33
Vinyl acetate	ND	10	ug/L	0.56
Vinyl chloride	ND	1.0	ug/L	0.19
Xylenes (total)	ND	10	ug/L	0.41
1,2-Dibromo-3-chloropropane (DBCP)	ND	10	ug/L	0.47
1,2-Dibromoethane (EDB)	ND	1.0	ug/L	0.18
2-Butanone (MEK)	ND	10	ug/L	2.0

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	97	(76 - 116)
1,2-Dichloroethane-d4	89	(59 - 129)
4-Bromofluorobenzene	92	(74 - 114)
Toluene-d8	86	(76 - 116)

WASTE MANAGEMENT INC.

Client Sample ID: 4915 B

GC/MS Semivolatiles

Lot-Sample #...: D4B280137-001 **Work Order #...:** GAC491A5 **Matrix.....:** WATER
Date Sampled...: 02/27/04 09:00 **Date Received..:** 02/28/04
Prep Date.....: 03/02/04 **Analysis Date..:** 03/04/04
Prep Batch #...: 4062259 **Analysis Time..:** 22:02
Dilution Factor: 1

Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acenaphthene	ND	10	ug/L	0.60
Acenaphthylene	ND	10	ug/L	0.60
Acetophenone	ND	10	ug/L	2.0
2-Acetylaminofluorene	ND	100	ug/L	2.0
4-Aminobiphenyl	ND	50	ug/L	2.0
Anthracene	ND	10	ug/L	3.0
Benzo(a)anthracene	ND	10	ug/L	0.80
Benzo(b)fluoranthene	ND	10	ug/L	0.90
Benzo(k)fluoranthene	ND	10	ug/L	2.0
Benzo(ghi)perylene	ND	10	ug/L	1.0
Benzo(a)pyrene	ND	10	ug/L	0.80
Benzyl alcohol	ND	10	ug/L	1.0
bis(2-Chloroethoxy) methane	ND	10	ug/L	0.90
bis(2-Chloroethyl)-ether	ND	10	ug/L	3.0
bis(2-Ethylhexyl) phthalate	ND	10	ug/L	0.90
4-Bromophenyl phenyl ether	ND	10	ug/L	0.70
Butyl benzyl phthalate	ND	10	ug/L	1.0
4-Chloroaniline	ND	10	ug/L	3.0
Chlorobenzilate	ND	10	ug/L	2.0
4-Chloro-3-methylphenol	ND	10	ug/L	0.80
2-Chloronaphthalene	ND	10	ug/L	0.70
2-Chlorophenol	ND	10	ug/L	0.80
4-Chlorophenyl phenyl ether	ND	10	ug/L	0.60
Chrysene	ND	10	ug/L	0.80
Diallate	ND	20	ug/L	2.0
Dibenz(a,h)anthracene	ND	10	ug/L	0.90
Dibenzofuran	ND	10	ug/L	0.60
Di-n-butyl phthalate	ND	10	ug/L	0.80
3,3'-Dichlorobenzidine	ND	50	ug/L	8.0
2,4-Dichlorophenol	ND	10	ug/L	0.70
2,6-Dichlorophenol	ND	10	ug/L	2.0
Diethyl phthalate	ND	10	ug/L	0.70
Dimethoate	ND	20	ug/L	2.0

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WASTE MANAGEMENT INC.

Client Sample ID: 4915 B

GC/MS Semivolatiles

Lot-Sample #...: D4B280137-001 **Work Order #...:** GAC491A5 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
4-Dimethylaminoazobenzene	ND	20	ug/L	2.0
7,12-Dimethylbenz(a)-anthracene	ND	20	ug/L	3.0
3,3'-Dimethylbenzidine	ND	20	ug/L	4.0
2,4-Dimethylphenol	ND	10	ug/L	4.0
Dimethyl phthalate	ND	10	ug/L	0.80
1,3-Dinitrobenzene	ND	10	ug/L	2.0
4,6-Dinitro-2-methylphenol	ND	50	ug/L	6.0
2,4-Dinitrophenol	ND	50	ug/L	6.0
2,4-Dinitrotoluene	ND	10	ug/L	1.0
2,6-Dinitrotoluene	ND	10	ug/L	0.80
Dinoseb	ND	10	ug/L	2.0
Di-n-octyl phthalate	ND	10	ug/L	1.0
Diphenylamine	ND	10	ug/L	2.0
Disulfoton	ND	50	ug/L	2.0
Ethyl methanesulfonate	ND	10	ug/L	2.0
Famphur	ND	200	ug/L	9.0
Fluoranthene	ND	10	ug/L	0.70
Fluorene	ND	10	ug/L	0.60
Hexachlorobenzene	ND	10	ug/L	0.80
Hexachlorobutadiene	ND	10	ug/L	1.0
Hexachlorocyclopenta-diene	ND	50	ug/L	5.0
Hexachloroethane	ND	10	ug/L	0.80
Hexachloropropene	ND	100	ug/L	1.0
Indeno(1,2,3-cd)pyrene	ND	10	ug/L	0.80
Isodrin	ND	10	ug/L	5.0
Isophorone	ND	10	ug/L	0.90
Isosafrole	ND	20	ug/L	3.0
Methapyrilene	ND	50	ug/L	20
3-Methylcholanthrene	ND	20	ug/L	1.0
Methyl methanesulfonate	ND	10	ug/L	2.0
2-Methylnaphthalene	ND	10	ug/L	0.80
Methyl parathion	ND	50	ug/L	2.0
2-Methylphenol	ND	10	ug/L	0.90
3-Methylphenol & 4-Methylphenol	ND	10	ug/L	0.80
Naphthalene	ND	10	ug/L	0.80
1,4-Naphthoquinone	ND	50	ug/L	2.0
1-Naphthylamine	ND	10	ug/L	1.0
2-Naphthylamine	ND	10	ug/L	1.0
2-Nitroaniline	ND	50	ug/L	0.90

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WASTE MANAGEMENT INC.

Client Sample ID: 4915 B

GC/MS Semivolatiles

Lot-Sample #...: D4B280137-001 **Work Order #...:** GAC491A5 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
3-Nitroaniline	ND	50	ug/L	0.90
4-Nitroaniline	ND	50	ug/L	6.0
Nitrobenzene	ND	10	ug/L	2.0
2-Nitrophenol	ND	10	ug/L	0.80
4-Nitrophenol	ND	50	ug/L	7.0
N-Nitrosodi-n-butylamine	ND	10	ug/L	2.0
N-Nitrosodiethylamine	ND	10	ug/L	2.0
N-Nitrosodimethylamine	ND	10	ug/L	0.80
N-Nitrosodiphenylamine	ND	10	ug/L	1.0
N-Nitrosodi-n-propyl-amine	ND	10	ug/L	0.70
N-Nitrosomethylethylamine	ND	10	ug/L	2.0
N-Nitrosopiperidine	ND	10	ug/L	2.0
N-Nitrosopyrrolidine	ND	10	ug/L	2.0
5-Nitro-o-toluidine	ND	20	ug/L	2.0
2,2'-oxybis(1-Chloropropane)	ND	10	ug/L	0.70
Parathion	ND	50	ug/L	2.0
Pentachlorobenzene	ND	10	ug/L	2.0
Pentachloronitrobenzene	ND	50	ug/L	2.0
Pentachlorophenol	ND	50	ug/L	5.0
Phenacetin	ND	20	ug/L	2.0
Phenanthrene	ND	10	ug/L	0.70
Phenol	ND	10	ug/L	0.90
4-Phenylenediamine	ND	100	ug/L	5.0
Phorate	ND	50	ug/L	2.0
Pronamide	ND	20	ug/L	2.0
Pyrene	ND	10	ug/L	0.80
Safrole	ND	50	ug/L	2.0
1,2,4,5-Tetrachloro-benzene	ND	10	ug/L	2.0
2,3,4,6-Tetrachlorophenol	ND	50	ug/L	2.0
Thionazin	ND	10	ug/L	2.0
o-Toluidine	ND	10	ug/L	2.0
1,2,4-Trichloro-benzene	ND	10	ug/L	0.90
2,4,5-Trichloro-phenol	ND	10	ug/L	1.0
2,4,6-Trichloro-phenol	ND	10	ug/L	0.80
O,O,O-Triethylphosphoro-thioate	ND	50	ug/L	2.0
1,3,5-Trinitrobenzene	ND	50	ug/L	2.0

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WASTE MANAGEMENT INC.

Client Sample ID: 4915 B

GC/MS Semivolatiles

Lot-Sample #...: D4B280137-001 **Work Order #...:** GAC491A5 **Matrix.....:** WATER

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	78	(32 - 116)
Phenol-d5	82	(40 - 111)
Nitrobenzene-d5	89	(53 - 107)
2-Fluorobiphenyl	65	(31 - 105)
2,4,6-Tribromophenol	80	(42 - 122)
Terphenyl-d14	79	(21 - 125)

WASTE MANAGEMENT INC.

Client Sample ID: 4916 D

GC/MS Semivolatiles

Lot-Sample #...: D4B280137-002 **Work Order #...:** GAC5G1AG **Matrix.....:** WATER
Date Sampled...: 02/27/04 11:00 **Date Received..:** 02/28/04
Prep Date.....: 03/02/04 **Analysis Date..:** 03/04/04
Prep Batch #...: 4062259 **Analysis Time..:** 22:29
Dilution Factor: 1

Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acenaphthene	ND	10	ug/L	0.60
Acenaphthylene	ND	10	ug/L	0.60
Acetophenone	ND	10	ug/L	2.0
2-Acetylaminofluorene	ND	100	ug/L	2.0
4-Aminobiphenyl	ND	50	ug/L	2.0
Anthracene	ND	10	ug/L	3.0
Benzo(a)anthracene	ND	10	ug/L	0.80
Benzo(b)fluoranthene	ND	10	ug/L	0.90
Benzo(k)fluoranthene	ND	10	ug/L	2.0
Benzo(ghi)perylene	ND	10	ug/L	1.0
Benzo(a)pyrene	ND	10	ug/L	0.80
Benzyl alcohol	ND	10	ug/L	1.0
bis(2-Chloroethoxy) methane	ND	10	ug/L	0.90
bis(2-Chloroethyl)-ether	ND	10	ug/L	3.0
bis(2-Ethylhexyl) phthalate	ND	10	ug/L	0.90
4-Bromophenyl phenyl ether	ND	10	ug/L	0.70
Butyl benzyl phthalate	ND	10	ug/L	1.0
4-Chloroaniline	ND	10	ug/L	3.0
Chlorobenzilate	ND	10	ug/L	2.0
4-Chloro-3-methylphenol	ND	10	ug/L	0.80
2-Chloronaphthalene	ND	10	ug/L	0.70
2-Chlorophenol	ND	10	ug/L	0.80
4-Chlorophenyl phenyl ether	ND	10	ug/L	0.60
Chrysene	ND	10	ug/L	0.80
Diallate	ND	20	ug/L	2.0
Dibenz(a,h)anthracene	ND	10	ug/L	0.90
Dibenzofuran	ND	10	ug/L	0.60
Di-n-butyl phthalate	ND	10	ug/L	0.80
3,3'-Dichlorobenzidine	ND	50	ug/L	8.0
2,4-Dichlorophenol	ND	10	ug/L	0.70
2,6-Dichlorophenol	ND	10	ug/L	2.0
Diethyl phthalate	ND	10	ug/L	0.70
Dimethoate	ND	20	ug/L	2.0

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WASTE MANAGEMENT INC.

Client Sample ID: 4916 D

GC/MS Semivolatiles

Lot-Sample #...: D4B280137-002 **Work Order #...:** GAC5G1AG **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
4-Dimethylaminoazobenzene	ND	20	ug/L	2.0
7,12-Dimethylbenz(a)-anthracene	ND	20	ug/L	3.0
3,3'-Dimethylbenzidine	ND	20	ug/L	4.0
2,4-Dimethylphenol	ND	10	ug/L	4.0
Dimethyl phthalate	ND	10	ug/L	0.80
1,3-Dinitrobenzene	ND	10	ug/L	2.0
4,6-Dinitro-2-methylphenol	ND	50	ug/L	6.0
2,4-Dinitrophenol	ND	50	ug/L	6.0
2,4-Dinitrotoluene	ND	10	ug/L	1.0
2,6-Dinitrotoluene	ND	10	ug/L	0.80
Dinoseb	ND	10	ug/L	2.0
Di-n-octyl phthalate	ND	10	ug/L	1.0
Diphenylamine	ND	10	ug/L	2.0
Disulfoton	ND	50	ug/L	2.0
Ethyl methanesulfonate	ND	10	ug/L	2.0
Famphur	ND	200	ug/L	9.0
Fluoranthene	ND	10	ug/L	0.70
Fluorene	ND	10	ug/L	0.60
Hexachlorobenzene	ND	10	ug/L	0.80
Hexachlorobutadiene	ND	10	ug/L	1.0
Hexachlorocyclopenta-diene	ND	50	ug/L	5.0
Hexachloroethane	ND	10	ug/L	0.80
Hexachloropropene	ND	100	ug/L	1.0
Indeno(1,2,3-cd)pyrene	ND	10	ug/L	0.80
Isodrin	ND	10	ug/L	5.0
Isophorone	ND	10	ug/L	0.90
Isosafrole	ND	20	ug/L	3.0
Methapyrilene	ND	50	ug/L	20
3-Methylcholanthrene	ND	20	ug/L	1.0
Methyl methanesulfonate	ND	10	ug/L	2.0
2-Methylnaphthalene	ND	10	ug/L	0.80
Methyl parathion	ND	50	ug/L	2.0
2-Methylphenol	ND	10	ug/L	0.90
3-Methylphenol & 4-Methylphenol	ND	10	ug/L	0.80
Naphthalene	ND	10	ug/L	0.80
1,4-Naphthoquinone	ND	50	ug/L	2.0
1-Naphthylamine	ND	10	ug/L	1.0
2-Naphthylamine	ND	10	ug/L	1.0
2-Nitroaniline	ND	50	ug/L	0.90

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WASTE MANAGEMENT INC.

Client Sample ID: 4916 D

GC/MS Semivolatiles

Lot-Sample #...: D4B280137-002 **Work Order #...:** GAC5G1AG **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
3-Nitroaniline	ND	50	ug/L	0.90
4-Nitroaniline	ND	50	ug/L	6.0
Nitrobenzene	ND	10	ug/L	2.0
2-Nitrophenol	ND	10	ug/L	0.80
4-Nitrophenol	ND	50	ug/L	7.0
N-Nitrosodi-n-butylamine	ND	10	ug/L	2.0
N-Nitrosodiethylamine	ND	10	ug/L	2.0
N-Nitrosodimethylamine	ND	10	ug/L	0.80
N-Nitrosodiphenylamine	ND	10	ug/L	1.0
N-Nitrosodi-n-propyl-amine	ND	10	ug/L	0.70
N-Nitrosomethylethylamine	ND	10	ug/L	2.0
N-Nitrosopiperidine	ND	10	ug/L	2.0
N-Nitrosopyrrolidine	ND	10	ug/L	2.0
5-Nitro-o-toluidine	ND	20	ug/L	2.0
2,2'-oxybis(1-Chloropropane)	ND	10	ug/L	0.70
Parathion	ND	50	ug/L	2.0
Pentachlorobenzene	ND	10	ug/L	2.0
Pentachloronitrobenzene	ND	50	ug/L	2.0
Pentachlorophenol	ND	50	ug/L	5.0
Phenacetin	ND	20	ug/L	2.0
Phenanthrene	ND	10	ug/L	0.70
Phenol	ND	10	ug/L	0.90
4-Phenylenediamine	ND	100	ug/L	5.0
Phorate	ND	50	ug/L	2.0
Pronamide	ND	20	ug/L	2.0
Pyrene	ND	10	ug/L	0.80
Safrole	ND	50	ug/L	2.0
1,2,4,5-Tetrachloro-benzene	ND	10	ug/L	2.0
2,3,4,6-Tetrachlorophenol	ND	50	ug/L	2.0
Thionazin	ND	10	ug/L	2.0
o-Toluidine	ND	10	ug/L	2.0
1,2,4-Trichloro-benzene	ND	10	ug/L	0.90
2,4,5-Trichloro-phenol	ND	10	ug/L	1.0
2,4,6-Trichloro-phenol	ND	10	ug/L	0.80
O,O,O-Triethylphosphoro-thioate	ND	50	ug/L	2.0
1,3,5-Trinitrobenzene	ND	50	ug/L	2.0

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WASTE MANAGEMENT INC.

Client Sample ID: 4916 D

GC/MS Semivolatiles

Lot-Sample #...: D4B280137-002 **Work Order #...:** GAC5G1AG **Matrix.....:** WATER

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	76	(32 - 116)
Phenol-d5	80	(40 - 111)
Nitrobenzene-d5	87	(53 - 107)
2-Fluorobiphenyl	57	(31 - 105)
2,4,6-Tribromophenol	82	(42 - 122)
Terphenyl-d14	77	(21 - 125)

WASTE MANAGEMENT INC.

Client Sample ID: 4915 B

TOTAL Metals

Lot-Sample #...: D4B280137-001 **Matrix.....:** WATER
Date Sampled...: 02/27/04 09:00 **Date Received..:** 02/28/04

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 4061218						
Mercury	ND	0.20	ug/L	SW846 7470A	03/08/04	GAC491CL
		Dilution Factor: 1		Analysis Time..: 18:42	MDL.....: 0.054	
Prep Batch #...: 4062596						
Manganese	**1.0 B**	**10**	**ug/L**	**SW846 6010B**	**03/03-03/04/04**	**GAC491AH**
		Dilution Factor: 1		Analysis Time..: 23:20	MDL.....: 0.54	
Barium	**64 B**	**100**	**ug/L**	**SW846 6010B**	**03/03-03/04/04**	**GAC491AJ**
		Dilution Factor: 1		Analysis Time..: 23:20	MDL.....: 0.37	
Potassium	**2800 B**	**5000**	**ug/L**	**SW846 6010B**	**03/03-03/12/04**	**GAC491AR**
		Dilution Factor: 1		Analysis Time..: 02:03	MDL.....: 460	
Silver	ND	10	ug/L	SW846 6010B	03/03-03/04/04	GAC491A8
		Dilution Factor: 1		Analysis Time..: 23:20	MDL.....: 0.70	
Arsenic	ND	10	ug/L	SW846 6010B	03/03-03/04/04	GAC491A9
		Dilution Factor: 1		Analysis Time..: 23:20	MDL.....: 4.9	
Cadmium	ND	5.0	ug/L	SW846 6010B	03/03-03/04/04	GAC491CA
		Dilution Factor: 1		Analysis Time..: 23:20	MDL.....: 0.27	
Cobalt	ND	10	ug/L	SW846 6010B	03/03-03/04/04	GAC491CC
		Dilution Factor: 1		Analysis Time..: 23:20	MDL.....: 0.67	
Chromium	ND	10	ug/L	SW846 6010B	03/03-03/04/04	GAC491CD
		Dilution Factor: 1		Analysis Time..: 23:20	MDL.....: 2.1	
Copper	**2.7 B,J**	**10**	**ug/L**	**SW846 6010B**	**03/03-03/04/04**	**GAC491CE**
		Dilution Factor: 1		Analysis Time..: 23:20	MDL.....: 0.97	
Nickel	ND	40	ug/L	SW846 6010B	03/03-03/04/04	GAC491CF
		Dilution Factor: 1		Analysis Time..: 23:20	MDL.....: 4.2	
Lead	ND	3.0	ug/L	SW846 6010B	03/03-03/04/04	GAC491CG
		Dilution Factor: 1		Analysis Time..: 23:20	MDL.....: 2.1	
Antimony	ND	10	ug/L	SW846 6010B	03/03-03/04/04	GAC491CH
		Dilution Factor: 1		Analysis Time..: 23:20	MDL.....: 3.6	

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WASTE MANAGEMENT INC.

Client Sample ID: 4915 B

TOTAL Metals

Lot-Sample #...: D4B280137-001 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Selenium	ND	5.0	ug/L	SW846 6010B	03/03-03/04/04	GAC491CJ
		Dilution Factor: 1		Analysis Time..: 23:20	MDL.....: 4.6	
Zinc	ND	20	ug/L	SW846 6010B	03/03-03/04/04	GAC491CK
		Dilution Factor: 1		Analysis Time..: 23:20	MDL.....: 7.1	
Beryllium	ND	5.0	ug/L	SW846 6010B	03/03-03/04/04	GAC491CM
		Dilution Factor: 1		Analysis Time..: 23:20	MDL.....: 0.41	
Boron	**140**	**100**	**ug/L**	**SW846 6010B**	**03/03-03/12/04**	**GAC491CN**
		Dilution Factor: 1		Analysis Time..: 02:03	MDL.....: 8.3	

NOTE(S):

B Estimated result. Result is less than RL.

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

WASTE MANAGEMENT INC.

Client Sample ID: 4915 B

DISSOLVED Metals

Lot-Sample #...: D4B280137-001 **Matrix.....:** WATER
Date Sampled...: 02/27/04 09:00 **Date Received..:** 02/28/04

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 4063600						
Calcium	**47000 J**	**200**	**ug/L**	**SW846 6010B**	**03/05-03/13/04**	**GAC491AU**
		Dilution Factor: 1		Analysis Time..: 18:47	MDL.....: 76	
Magnesium	**12000**	**200**	**ug/L**	**SW846 6010B**	**03/05-03/13/04**	**GAC491AV**
		Dilution Factor: 1		Analysis Time..: 18:47	MDL.....: 27	
Sodium	**24000**	**5000**	**ug/L**	**SW846 6010B**	**03/05-03/13/04**	**GAC491AW**
		Dilution Factor: 1		Analysis Time..: 18:47	MDL.....: 1100	
Potassium	**3300 B**	**5000**	**ug/L**	**SW846 6010B**	**03/05-03/13/04**	**GAC491AX**
		Dilution Factor: 1		Analysis Time..: 18:47	MDL.....: 460	
Iron	ND	100	ug/L	SW846 6010B	03/05-03/13/04	GAC491A2
		Dilution Factor: 1		Analysis Time..: 18:47	MDL.....: 19	

NOTE(S):

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

B Estimated result. Result is less than RL.

WASTE MANAGEMENT INC.

Client Sample ID: 4916 D

TOTAL Metals

Lot-Sample #...: D4B280137-002 **Matrix.....:** WATER
Date Sampled...: 02/27/04 11:00 **Date Received..:** 02/28/04

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 4061218						
Mercury	**0.64**	**0.20**	**ug/L**	**SW846 7470A**	**03/08/04**	**GAC5G1CL**
		Dilution Factor: 1		Analysis Time..: 18:44	MDL.....: 0.054	
Prep Batch #...: 4062596						
Manganese	**1200**	**10**	**ug/L**	**SW846 6010B**	**03/03-03/04/04**	**GAC5G1AU**
		Dilution Factor: 1		Analysis Time..: 23:47	MDL.....: 0.54	
Barium	**110**	**100**	**ug/L**	**SW846 6010B**	**03/03-03/04/04**	**GAC5G1AV**
		Dilution Factor: 1		Analysis Time..: 23:47	MDL.....: 0.37	
Potassium	**3800 B**	**5000**	**ug/L**	**SW846 6010B**	**03/03-03/12/04**	**GAC5G1A4**
		Dilution Factor: 1		Analysis Time..: 02:20	MDL.....: 460	
Silver	ND	10	ug/L	SW846 6010B	03/03-03/04/04	GAC5G1AK
		Dilution Factor: 1		Analysis Time..: 23:47	MDL.....: 0.70	
Arsenic	ND	10	ug/L	SW846 6010B	03/03-03/04/04	GAC5G1AL
		Dilution Factor: 1		Analysis Time..: 23:47	MDL.....: 4.9	
Cadmium	ND	5.0	ug/L	SW846 6010B	03/03-03/04/04	GAC5G1CA
		Dilution Factor: 1		Analysis Time..: 23:47	MDL.....: 0.27	
Cobalt	**2.4 B**	**10**	**ug/L**	**SW846 6010B**	**03/03-03/04/04**	**GAC5G1CC**
		Dilution Factor: 1		Analysis Time..: 23:47	MDL.....: 0.67	
Chromium	ND	10	ug/L	SW846 6010B	03/03-03/04/04	GAC5G1CD
		Dilution Factor: 1		Analysis Time..: 23:47	MDL.....: 2.1	
Copper	**13 J**	**10**	**ug/L**	**SW846 6010B**	**03/03-03/04/04**	**GAC5G1CE**
		Dilution Factor: 1		Analysis Time..: 23:47	MDL.....: 0.97	
Nickel	**4.3 B**	**40**	**ug/L**	**SW846 6010B**	**03/03-03/04/04**	**GAC5G1CF**
		Dilution Factor: 1		Analysis Time..: 23:47	MDL.....: 4.2	
Lead	**2.3 B**	**3.0**	**ug/L**	**SW846 6010B**	**03/03-03/04/04**	**GAC5G1CG**
		Dilution Factor: 1		Analysis Time..: 23:47	MDL.....: 2.1	
Antimony	ND	10	ug/L	SW846 6010B	03/03-03/04/04	GAC5G1CH
		Dilution Factor: 1		Analysis Time..: 23:47	MDL.....: 3.6	

(Continued on next page)

WASTE MANAGEMENT INC.

Client Sample ID: 4916 D

TOTAL Metals

Lot-Sample #...: D4B280137-002 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Selenium	ND	5.0	ug/L	SW846 6010B	03/03-03/04/04	GAC5G1CJ
		Dilution Factor: 1		Analysis Time..: 23:47	MDL.....: 4.6	
Zinc	**30**	**20**	**ug/L**	**SW846 6010B**	**03/03-03/04/04**	**GAC5G1CK**
		Dilution Factor: 1		Analysis Time..: 23:47	MDL.....: 7.1	
Beryllium	ND	5.0	ug/L	SW846 6010B	03/03-03/04/04	GAC5G1CM
		Dilution Factor: 1		Analysis Time..: 23:47	MDL.....: 0.41	
Boron	**160**	**100**	**ug/L**	**SW846 6010B**	**03/03-03/12/04**	**GAC5G1CN**
		Dilution Factor: 1		Analysis Time..: 02:20	MDL.....: 8.3	

NOTE(S):

B Estimated result. Result is less than RL.

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

WASTE MANAGEMENT INC.

Client Sample ID: 4916 D

DISSOLVED Metals

Lot-Sample #...: D4B280137-002 **Matrix.....:** WATER
Date Sampled...: 02/27/04 11:00 **Date Received..:** 02/28/04

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 4063600						
Calcium	**63000 J**	**200**	**ug/L**	**SW846 6010B**	**03/05-03/13/04**	**GAC5G1A6**
		Dilution Factor: 1		Analysis Time..: 18:51	MDL.....: 76	
Magnesium	**17000**	**200**	**ug/L**	**SW846 6010B**	**03/05-03/13/04**	**GAC5G1A7**
		Dilution Factor: 1		Analysis Time..: 18:51	MDL.....: 27	
Sodium	**25000**	**5000**	**ug/L**	**SW846 6010B**	**03/05-03/13/04**	**GAC5G1A8**
		Dilution Factor: 1		Analysis Time..: 18:51	MDL.....: 1100	
Potassium	**4100 B**	**5000**	**ug/L**	**SW846 6010B**	**03/05-03/13/04**	**GAC5G1A9**
		Dilution Factor: 1		Analysis Time..: 18:51	MDL.....: 460	
Iron	**2900**	**100**	**ug/L**	**SW846 6010B**	**03/05-03/13/04**	**GAC5G1AD**
		Dilution Factor: 1		Analysis Time..: 18:51	MDL.....: 19	

NOTE(S):

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

B Estimated result. Result is less than RL.

WASTE MANAGEMENT INC.

Client Sample ID: 4915 B

General Chemistry

Lot-Sample #...: D4B280137-001 **Work Order #...:** GAC49 **Matrix.....:** WATER
Date Sampled...: 02/27/04 09:00 **Date Received..:** 02/28/04

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Bicarbonate Alkalinity	**160**	**5.0**	**mg/L**	**MCAWW 310.1**	**03/08/04**	**4070276**
		Dilution Factor: 1		Analysis Time..: 18:00	MDL.....: 1.5	
Biochemical Oxygen Demand (BOD)	ND	2.0	mg/L	MCAWW 405.1	02/28/04	4064316
		Dilution Factor: 1		Analysis Time..: 19:00	MDL.....: 0.31	
Carbonate Alkalinity	ND	5.0	mg/L	MCAWW 310.1	03/08/04	4070277
		Dilution Factor: 1		Analysis Time..: 21:00	MDL.....: 1.5	
Chemical Oxygen Demand (COD)	ND	8.0	mg/L	MCAWW 410.4	03/08/04	4069249
		Dilution Factor: 1		Analysis Time..: 16:45	MDL.....: 2.9	
Chloride	**13**	**3.0**	**mg/L**	**MCAWW 300.0A**	**02/28/04**	**4061427**
		Dilution Factor: 1		Analysis Time..: 21:34	MDL.....: 0.20	
Cyanide, Total	ND	0.010	mg/L	SW846 9012A	03/10/04	4071216
		Dilution Factor: 1		Analysis Time..: 16:00	MDL.....: 0.0028	
Fluoride	**0.66 B**	**1.0**	**mg/L**	**MCAWW 300.0A**	**02/28/04**	**4061428**
		Dilution Factor: 1		Analysis Time..: 21:34	MDL.....: 0.10	
Nitrate	**0.50**	**0.50**	**mg/L**	**MCAWW 300.0A**	**02/28/04**	**4061429**
		Dilution Factor: 1		Analysis Time..: 21:34	MDL.....: 0.050	
Specific Conductance	**440 J**	**2.0**	**umhos/cm**	**MCAWW 120.1**	**03/10/04**	**4070600**
		Dilution Factor: 1		Analysis Time..: 16:00	MDL.....:	
Sulfate	**41**	**5.0**	**mg/L**	**MCAWW 300.0A**	**02/28/04**	**4061426**
		Dilution Factor: 1		Analysis Time..: 21:34	MDL.....: 0.20	
Total Alkalinity	**160**	**5.0**	**mg/L**	**MCAWW 310.1**	**03/08/04**	**4070272**
		Dilution Factor: 1		Analysis Time..: 17:00	MDL.....: 1.5	
Total Dissolved Solids	**280 J**	**10**	**mg/L**	**MCAWW 160.1**	**03/02/04**	**4062555**
		Dilution Factor: 1		Analysis Time..: 15:00	MDL.....: 3.0	
Total Organic Carbon	ND	1.0	mg/L	MCAWW 415.1	03/09/04	4070445
		Dilution Factor: 1		Analysis Time..: 22:00	MDL.....: 0.50	

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WASTE MANAGEMENT INC.

Client Sample ID: 4915 B

General Chemistry

Lot-Sample #...: D4B280137-001 **Work Order #...:** GAC49 **Matrix.....:** WATER

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon 2	ND	1.0	mg/L	MCAWW 415.1	03/09/04	4070445
		Dilution Factor: 1		Analysis Time..: 22:00	MDL.....: 0.50	
Total Organic Halogens	ND	30	ug/L	SW846 9020B	03/13-03/15/04	4076400
		Dilution Factor: 1		Analysis Time..: 12:00	MDL.....: 4.8	
Total Organic Halogens 2	ND	30	ug/L	SW846 9020B	03/13-03/15/04	4076400
		Dilution Factor: 1		Analysis Time..: 12:00	MDL.....: 4.8	
Total Sulfide	**0.86 B**	**4.0**	**mg/L**	**SW846 9030B/9034**	**03/04/04**	**4070529**
		Dilution Factor: 1		Analysis Time..: 14:00	MDL.....: 0.26	

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

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

WASTE MANAGEMENT INC.

Client Sample ID: 4916 D

General Chemistry

Lot-Sample #...: D4B280137-002 **Work Order #...:** GAC5G **Matrix.....:** WATER
Date Sampled...: 02/27/04 11:00 **Date Received..:** 02/28/04

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Bicarbonate Alkalinity	**190**	**5.0**	**mg/L**	**MCAWW 310.1**	**03/08/04**	**4070276**
		Dilution Factor: 1		Analysis Time..: 18:00	MDL.....: 1.5	
Biochemical Oxygen Demand (BOD)	**3.9**	**2.0**	**mg/L**	**MCAWW 405.1**	**02/28/04**	**4064316**
		Dilution Factor: 1		Analysis Time..: 19:00	MDL.....: 0.31	
Carbonate Alkalinity	ND	5.0	mg/L	MCAWW 310.1	03/08/04	4070277
		Dilution Factor: 1		Analysis Time..: 18:00	MDL.....: 1.5	
Chemical Oxygen Demand (COD)	ND	8.0	mg/L	MCAWW 410.4	03/08/04	4069249
		Dilution Factor: 1		Analysis Time..: 16:45	MDL.....: 2.9	
Chloride	**27**	**3.0**	**mg/L**	**MCAWW 300.0A**	**02/28/04**	**4061427**
		Dilution Factor: 1		Analysis Time..: 22:59	MDL.....: 0.20	
Cyanide, Total	ND	0.010	mg/L	SW846 9012A	03/10/04	4071216
		Dilution Factor: 1		Analysis Time..: 16:00	MDL.....: 0.0028	
Fluoride	**0.44 B**	**1.0**	**mg/L**	**MCAWW 300.0A**	**02/28/04**	**4061428**
		Dilution Factor: 1		Analysis Time..: 22:59	MDL.....: 0.10	
Nitrate	**0.13 B**	**0.50**	**mg/L**	**MCAWW 300.0A**	**02/28/04**	**4061429**
		Dilution Factor: 1		Analysis Time..: 22:59	MDL.....: 0.050	
Specific Conductance	**580 J**	**2.0**	**umhos/cm**	**MCAWW 120.1**	**03/10/04**	**4070600**
		Dilution Factor: 1		Analysis Time..: 16:00	MDL.....:	
Sulfate	**58 Q**	**25**	**mg/L**	**MCAWW 300.0A**	**02/28/04**	**4061426**
		Dilution Factor: 5		Analysis Time..: 23:16	MDL.....: 1.0	
Total Alkalinity	**190**	**5.0**	**mg/L**	**MCAWW 310.1**	**03/08/04**	**4070272**
		Dilution Factor: 1		Analysis Time..: 18:00	MDL.....: 1.5	
Total Dissolved Solids	**340 J**	**10**	**mg/L**	**MCAWW 160.1**	**03/02/04**	**4062555**
		Dilution Factor: 1		Analysis Time..: 15:00	MDL.....: 3.0	

(Continued on next page)

WASTE MANAGEMENT INC.

Client Sample ID: 4916 D

General Chemistry

Lot-Sample #...: D4B280137-002 **Work Order #...:** GAC5G **Matrix.....:** WATER

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon	ND	1.0	mg/L	MCAWW 415.1	03/09/04	4070445
		Dilution Factor: 1		Analysis Time..: 22:00	MDL.....: 0.50	
Total Organic Carbon 2	ND	1.0	mg/L	MCAWW 415.1	03/09/04	4070445
		Dilution Factor: 1		Analysis Time..: 22:00	MDL.....: 0.50	
Total Organic Halogens	**7.0 B**	**30**	**ug/L**	**SW846 9020B**	**03/13-03/15/04**	**4076400**
		Dilution Factor: 1		Analysis Time..: 12:00	MDL.....: 4.8	
Total Organic Halogens 2	ND	30	ug/L	SW846 9020B	03/13-03/15/04	4076400
		Dilution Factor: 1		Analysis Time..: 12:00	MDL.....: 4.8	
Total Sulfide	ND	4.0	mg/L	SW846 9030B/9034	03/04/04	4070529
		Dilution Factor: 1		Analysis Time..: 14:00	MDL.....: 0.26	

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

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

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

QC DATA ASSOCIATION SUMMARY

D4B280137

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	WATER	MCAWW 120.1		4070600	4070277
	WATER	MCAWW 160.1		4062555	4069302
	WATER	MCAWW 310.1		4070277	
	WATER	MCAWW 405.1		4064316	4064124
	WATER	MCAWW 300.0A		4061427	4061263
	WATER	MCAWW 300.0A		4061426	4061265
	WATER	MCAWW 300.0A		4061428	4061262
	WATER	MCAWW 300.0A		4061429	4061264
	WATER	MCAWW 415.1		4070445	4070199
	WATER	SW846 9020B		4076400	4074009
	WATER	SW846 7470A		4061218	4061113
	WATER	SW846 8260B		4075390	4075197
	WATER	SW846 8270C		4062259	4062122
	WATER	SW846 6010B		4062596	4062298
	WATER	SW846 6010B		4063600	4063317
	WATER	SW846 9012A		4071216	4071096
	WATER	SW846 9030B/9034		4070529	4070240
	WATER	MCAWW 310.1		4070276	
	WATER	MCAWW 310.1		4070272	4070121
	WATER	MCAWW 410.4		4069249	4069142
002	WATER	MCAWW 120.1		4070600	4070277
	WATER	MCAWW 160.1		4062555	4069302
	WATER	MCAWW 310.1		4070277	
	WATER	MCAWW 405.1		4064316	4064124
	WATER	MCAWW 300.0A		4061427	4061263
	WATER	MCAWW 300.0A		4061426	4061265
	WATER	MCAWW 300.0A		4061428	4061262
	WATER	MCAWW 300.0A		4061429	4061264
	WATER	MCAWW 415.1		4070445	4070199
	WATER	SW846 9020B		4076400	4074009
	WATER	SW846 7470A		4061218	4061113
	WATER	SW846 8260B		4075390	4075197
	WATER	SW846 8270C		4062259	4062122
	WATER	SW846 6010B		4062596	4062298
	WATER	SW846 6010B		4063600	4063317
	WATER	SW846 9012A		4071216	4071096
	WATER	SW846 9030B/9034		4070529	4070240
	WATER	MCAWW 310.1		4070276	
	WATER	MCAWW 310.1		4070272	4070121
	WATER	MCAWW 410.4		4069249	4069142

(Continued on next page)

QC DATA ASSOCIATION SUMMARY

D4B280137

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
003	WATER	SW846 8260B		4075390	4075197

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: D4B280137 **Work Order #...:** GA9H81AD **Matrix.....:** WATER
MB Lot-Sample #: D4C150000-390

Prep Date.....: 03/11/04 **Analysis Time..:** 15:42
Analysis Date..: 03/11/04 **Prep Batch #...:** 4075390
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Benzene	ND	1.0	ug/L	SW846 8260B
Bromodichloromethane	ND	5.0	ug/L	SW846 8260B
Bromoform	ND	5.0	ug/L	SW846 8260B
Bromomethane	ND	10	ug/L	SW846 8260B
Carbon tetrachloride	ND	0.50	ug/L	SW846 8260B
Chlorobenzene	ND	5.0	ug/L	SW846 8260B
Dibromochloromethane	ND	5.0	ug/L	SW846 8260B
Chloroethane	ND	10	ug/L	SW846 8260B
Chloroform	ND	5.0	ug/L	SW846 8260B
Chloromethane	ND	10	ug/L	SW846 8260B
1,2-Dichlorobenzene	ND	10	ug/L	SW846 8260B
Dichlorodifluoromethane	ND	10	ug/L	SW846 8260B
1,1-Dichloroethane	ND	5.0	ug/L	SW846 8260B
1,2-Dichloroethane	ND	5.0	ug/L	SW846 8260B
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260B
trans-1,2-Dichloroethene	ND	10	ug/L	SW846 8260B
1,2-Dichloropropane	ND	5.0	ug/L	SW846 8260B
cis-1,3-Dichloropropene	ND	5.0	ug/L	SW846 8260B
trans-1,3-Dichloropropene	ND	5.0	ug/L	SW846 8260B
Ethylbenzene	ND	5.0	ug/L	SW846 8260B
Trichlorofluoromethane	ND	10	ug/L	SW846 8260B
Methylene chloride	ND	5.0	ug/L	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	5.0	ug/L	SW846 8260B
Tetrachloroethene	ND	5.0	ug/L	SW846 8260B
Toluene	ND	1.0	ug/L	SW846 8260B
1,1,1-Trichloroethane	ND	5.0	ug/L	SW846 8260B
1,1,2-Trichloroethane	ND	5.0	ug/L	SW846 8260B
Trichloroethene	ND	5.0	ug/L	SW846 8260B
Vinyl chloride	ND	1.0	ug/L	SW846 8260B
Acetone	ND	34	ug/L	SW846 8260B
Acrylonitrile	ND	100	ug/L	SW846 8260B
Bromochloromethane	ND	10	ug/L	SW846 8260B
Carbon disulfide	ND	5.0	ug/L	SW846 8260B
Dibromomethane	ND	10	ug/L	SW846 8260B
1,4-Dichlorobenzene	ND	10	ug/L	SW846 8260B
trans-1,4-Dichloro-2-butene	ND	10	ug/L	SW846 8260B
cis-1,2-Dichloroethene	ND	10	ug/L	SW846 8260B
2-Hexanone	ND	5.0	ug/L	SW846 8260B
Iodomethane	ND	10	ug/L	SW846 8260B
4-Methyl-2-pentanone	ND	10	ug/L	SW846 8260B

(Continued on next page)

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: D4B280137 **Work Order #...:** GA9H81AD **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Styrene	ND	5.0	ug/L	SW846 8260B
1,1,1,2-Tetrachloroethane	ND	5.0	ug/L	SW846 8260B
1,2,3-Trichloropropane	ND	10	ug/L	SW846 8260B
Vinyl acetate	ND	10	ug/L	SW846 8260B
Xylenes (total)	ND	10	ug/L	SW846 8260B
1,2-Dibromo-3-chloropropane (DBCP)	ND	10	ug/L	SW846 8260B
1,2-Dibromoethane (EDB)	ND	1.0	ug/L	SW846 8260B
2-Butanone (MEK)	ND	10	ug/L	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	93	(76 - 116)
1,2-Dichloroethane-d4	83	(59 - 129)
4-Bromofluorobenzene	99	(74 - 114)
Toluene-d8	86	(76 - 116)

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: D4B280137 **Work Order #...:** GA9H81AC **Matrix.....:** WATER
LCS Lot-Sample#: D4C150000-390
Prep Date.....: 03/11/04 **Analysis Date..:** 03/11/04
Prep Batch #...: 4075390 **Analysis Time..:** 15:18
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
1,1-Dichloroethene	**67**	**(67 - 125)**	**SW846 8260B**
Benzene	**97**	**(75 - 116)**	**SW846 8260B**
Chlorobenzene	**109**	**(77 - 117)**	**SW846 8260B**
Toluene	**106**	**(74 - 115)**	**SW846 8260B**
Trichloroethene	**95**	**(80 - 123)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	95	(76 - 116)
1,2-Dichloroethane-d4	86	(59 - 129)
4-Bromofluorobenzene	97	(74 - 114)
Toluene-d8	90	(76 - 116)

NOTE(S):

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: D4B280137 **Work Order #...:** GA9H81AC **Matrix.....:** WATER
LCS Lot-Sample#: D4C150000-390
Prep Date.....: 03/11/04 **Analysis Date..:** 03/11/04
Prep Batch #...: 4075390 **Analysis Time..:** 15:18
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
1,1-Dichloroethene	**10.0**	**6.72**	**ug/L**	**67**	**SW846 8260B**
Benzene	**10.0**	**9.66**	**ug/L**	**97**	**SW846 8260B**
Chlorobenzene	**10.0**	**10.9**	**ug/L**	**109**	**SW846 8260B**
Toluene	**10.0**	**10.6**	**ug/L**	**106**	**SW846 8260B**
Trichloroethene	**10.0**	**9.46**	**ug/L**	**95**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	95	(76 - 116)
1,2-Dichloroethane-d4	86	(59 - 129)
4-Bromofluorobenzene	97	(74 - 114)
Toluene-d8	90	(76 - 116)

NOTE(S):

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

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: D4B280137 **Work Order #...:** GAC491E6-MS **Matrix.....:** WATER
MS Lot-Sample #: D4B280137-001 GAC491E7-MSD
Date Sampled...: 02/27/04 09:00 **Date Received..:** 02/28/04
Prep Date.....: 03/11/04 **Analysis Date..:** 03/11/04
Prep Batch #...: 4075390 **Analysis Time..:** 16:30
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	**73**	**(67 - 125)**			**SW846 8260B**
	72	**(67 - 125)**	**1.0**	**(0-20)**	**SW846 8260B**
Benzene	**96**	**(75 - 116)**			**SW846 8260B**
	97	**(75 - 116)**	**0.66**	**(0-20)**	**SW846 8260B**
Chlorobenzene	**106**	**(77 - 117)**			**SW846 8260B**
	108	**(77 - 117)**	**1.2**	**(0-20)**	**SW846 8260B**
Toluene	**101**	**(74 - 115)**			**SW846 8260B**
	105	**(74 - 115)**	**3.7**	**(0-20)**	**SW846 8260B**
Trichloroethene	**96**	**(80 - 123)**			**SW846 8260B**
	95	**(80 - 123)**	**0.96**	**(0-20)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	99	(76 - 116)
	100	(76 - 116)
1,2-Dichloroethane-d4	91	(59 - 129)
	93	(59 - 129)
4-Bromofluorobenzene	94	(74 - 114)
	96	(74 - 114)
Toluene-d8	90	(76 - 116)
	90	(76 - 116)

NOTE(S):

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

Bold print denotes control parameters

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: D4B280137 **Work Order #...:** GAC491E6-MS **Matrix.....:** WATER
MS Lot-Sample #: D4B280137-001 GAC491E7-MSD
Date Sampled...: 02/27/04 09:00 **Date Received..:** 02/28/04
Prep Date.....: 03/11/04 **Analysis Date..:** 03/11/04
Prep Batch #...: 4075390 **Analysis Time..:** 16:30
Dilution Factor: 1

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
1,1-Dichloroethene	**ND**	**10.0**	**7.27**	**ug/L**	**73**		**SW846 8260B**
	ND	**10.0**	**7.20**	**ug/L**	**72**	**1.0**	**SW846 8260B**
Benzene	**ND**	**10.0**	**9.60**	**ug/L**	**96**		**SW846 8260B**
	ND	**10.0**	**9.67**	**ug/L**	**97**	**0.66**	**SW846 8260B**
Chlorobenzene	**ND**	**10.0**	**10.6**	**ug/L**	**106**		**SW846 8260B**
	ND	**10.0**	**10.8**	**ug/L**	**108**	**1.2**	**SW846 8260B**
Toluene	**ND**	**10.0**	**10.1**	**ug/L**	**101**		**SW846 8260B**
	ND	**10.0**	**10.5**	**ug/L**	**105**	**3.7**	**SW846 8260B**
Trichloroethene	**ND**	**10.0**	**9.60**	**ug/L**	**96**		**SW846 8260B**
	ND	**10.0**	**9.50**	**ug/L**	**95**	**0.96**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	99	(76 - 116)
	100	(76 - 116)
1,2-Dichloroethane-d4	91	(59 - 129)
	93	(59 - 129)
4-Bromofluorobenzene	94	(74 - 114)
	96	(74 - 114)
Toluene-d8	90	(76 - 116)
	90	(76 - 116)

NOTE(S):

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

Bold print denotes control parameters

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: D4B280137 **Work Order #...:** GAFLC1AA **Matrix.....:** WATER
MB Lot-Sample #: D4C020000-259

Prep Date.....: 03/02/04 **Analysis Time..:** 17:37
Analysis Date..: 03/04/04 **Prep Batch #...:** 4062259
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Acenaphthene	ND	10	ug/L	SW846 8270C
Acenaphthylene	ND	10	ug/L	SW846 8270C
Acetophenone	ND	10	ug/L	SW846 8270C
2-Acetylaminofluorene	ND	100	ug/L	SW846 8270C
4-Aminobiphenyl	ND	50	ug/L	SW846 8270C
Anthracene	ND	10	ug/L	SW846 8270C
Benzo(a)anthracene	ND	10	ug/L	SW846 8270C
Benzo(b)fluoranthene	ND	10	ug/L	SW846 8270C
Benzo(k)fluoranthene	ND	10	ug/L	SW846 8270C
Benzo(ghi)perylene	ND	10	ug/L	SW846 8270C
Benzo(a)pyrene	ND	10	ug/L	SW846 8270C
Benzyl alcohol	ND	10	ug/L	SW846 8270C
bis(2-Chloroethoxy) methane	ND	10	ug/L	SW846 8270C
bis(2-Chloroethyl)-ether	ND	10	ug/L	SW846 8270C
bis(2-Ethylhexyl) phthalate	ND	10	ug/L	SW846 8270C
4-Bromophenyl phenyl ether	ND	10	ug/L	SW846 8270C
Butyl benzyl phthalate	ND	10	ug/L	SW846 8270C
4-Chloroaniline	ND	10	ug/L	SW846 8270C
Chlorobenzilate	ND	10	ug/L	SW846 8270C
4-Chloro-3-methylphenol	ND	10	ug/L	SW846 8270C
2-Chloronaphthalene	ND	10	ug/L	SW846 8270C
2-Chlorophenol	ND	10	ug/L	SW846 8270C
4-Chlorophenyl phenyl ether	ND	10	ug/L	SW846 8270C
Chrysene	ND	10	ug/L	SW846 8270C
Diallate	ND	20	ug/L	SW846 8270C
Dibenz(a,h)anthracene	ND	10	ug/L	SW846 8270C
Dibenzofuran	ND	10	ug/L	SW846 8270C
Di-n-butyl phthalate	ND	10	ug/L	SW846 8270C
3,3'-Dichlorobenzidine	ND	50	ug/L	SW846 8270C
2,4-Dichlorophenol	ND	10	ug/L	SW846 8270C
2,6-Dichlorophenol	ND	10	ug/L	SW846 8270C
Diethyl phthalate	ND	10	ug/L	SW846 8270C
Dimethoate	ND	20	ug/L	SW846 8270C
4-Dimethylaminoazobenzene	ND	20	ug/L	SW846 8270C
7,12-Dimethylbenz(a)-anthracene	ND	20	ug/L	SW846 8270C

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METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: D4B280137 **Work Order #...:** GAFLC1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
3,3'-Dimethylbenzidine	ND	20	ug/L	SW846 8270C
2,4-Dimethylphenol	ND	10	ug/L	SW846 8270C
Dimethyl phthalate	ND	10	ug/L	SW846 8270C
1,3-Dinitrobenzene	ND	10	ug/L	SW846 8270C
4,6-Dinitro-2-methylphenol	ND	50	ug/L	SW846 8270C
2,4-Dinitrophenol	ND	50	ug/L	SW846 8270C
2,4-Dinitrotoluene	ND	10	ug/L	SW846 8270C
2,6-Dinitrotoluene	ND	10	ug/L	SW846 8270C
Dinoseb	ND	10	ug/L	SW846 8270C
Di-n-octyl phthalate	ND	10	ug/L	SW846 8270C
Diphenylamine	ND	10	ug/L	SW846 8270C
Disulfoton	ND	50	ug/L	SW846 8270C
Ethyl methanesulfonate	ND	10	ug/L	SW846 8270C
Famphur	ND	200	ug/L	SW846 8270C
Fluoranthene	ND	10	ug/L	SW846 8270C
Fluorene	ND	10	ug/L	SW846 8270C
Hexachlorobenzene	ND	10	ug/L	SW846 8270C
Hexachlorobutadiene	ND	10	ug/L	SW846 8270C
Hexachlorocyclopentadiene	ND	50	ug/L	SW846 8270C
Hexachloroethane	ND	10	ug/L	SW846 8270C
Hexachloropropene	ND	100	ug/L	SW846 8270C
Indeno(1,2,3-cd)pyrene	ND	10	ug/L	SW846 8270C
Isodrin	ND	10	ug/L	SW846 8270C
Isophorone	ND	10	ug/L	SW846 8270C
Isosafrole	ND	20	ug/L	SW846 8270C
Methapyrilene	ND	50	ug/L	SW846 8270C
3-Methylcholanthrene	ND	20	ug/L	SW846 8270C
Methyl methanesulfonate	ND	10	ug/L	SW846 8270C
2-Methylnaphthalene	ND	10	ug/L	SW846 8270C
Methyl parathion	ND	50	ug/L	SW846 8270C
2-Methylphenol	ND	10	ug/L	SW846 8270C
3-Methylphenol & 4-Methylphenol	ND	10	ug/L	SW846 8270C
Naphthalene	ND	10	ug/L	SW846 8270C
1,4-Naphthoquinone	ND	50	ug/L	SW846 8270C
1-Naphthylamine	ND	10	ug/L	SW846 8270C
2-Naphthylamine	ND	10	ug/L	SW846 8270C
2-Nitroaniline	ND	50	ug/L	SW846 8270C
3-Nitroaniline	ND	50	ug/L	SW846 8270C
4-Nitroaniline	ND	50	ug/L	SW846 8270C
Nitrobenzene	ND	10	ug/L	SW846 8270C
2-Nitrophenol	ND	10	ug/L	SW846 8270C
4-Nitrophenol	ND	50	ug/L	SW846 8270C

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METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: D4B280137 **Work Order #...:** GAFLC1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
N-Nitrosodi-n-butylamine	ND	10	ug/L	SW846 8270C
N-Nitrosodiethylamine	ND	10	ug/L	SW846 8270C
N-Nitrosodimethylamine	ND	10	ug/L	SW846 8270C
N-Nitrosodiphenylamine	ND	10	ug/L	SW846 8270C
N-Nitrosodi-n-propyl-amine	ND	10	ug/L	SW846 8270C
N-Nitrosomethylethylamine	ND	10	ug/L	SW846 8270C
N-Nitrosopiperidine	ND	10	ug/L	SW846 8270C
N-Nitrosopyrrolidine	ND	10	ug/L	SW846 8270C
5-Nitro-o-toluidine	ND	20	ug/L	SW846 8270C
2,2'-oxybis(1-Chloropropa	ND	10	ug/L	SW846 8270C
Parathion	ND	50	ug/L	SW846 8270C
Pentachlorobenzene	ND	10	ug/L	SW846 8270C
Pentachloronitrobenzene	ND	50	ug/L	SW846 8270C
Pentachlorophenol	ND	50	ug/L	SW846 8270C
Phenacetin	ND	20	ug/L	SW846 8270C
Phenanthrene	ND	10	ug/L	SW846 8270C
Phenol	ND	10	ug/L	SW846 8270C
4-Phenylenediamine	ND	100	ug/L	SW846 8270C
Phorate	ND	50	ug/L	SW846 8270C
Pronamide	ND	20	ug/L	SW846 8270C
Pyrene	ND	10	ug/L	SW846 8270C
Safrole	ND	50	ug/L	SW846 8270C
1,2,4,5-Tetrachloro-benzene	ND	10	ug/L	SW846 8270C
2,3,4,6-Tetrachlorophenol	ND	50	ug/L	SW846 8270C
Thionazin	ND	10	ug/L	SW846 8270C
o-Toluidine	ND	10	ug/L	SW846 8270C
1,2,4-Trichloro-benzene	ND	10	ug/L	SW846 8270C
2,4,5-Trichloro-phenol	ND	10	ug/L	SW846 8270C
2,4,6-Trichloro-phenol	ND	10	ug/L	SW846 8270C
O,O,O-Triethylphosphoro-thioate	ND	50	ug/L	SW846 8270C
1,3,5-Trinitrobenzene	ND	50	ug/L	SW846 8270C

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	80	(32 - 116)
Phenol-d5	83	(40 - 111)
Nitrobenzene-d5	89	(53 - 107)
2-Fluorobiphenyl	54	(31 - 105)
2,4,6-Tribromophenol	76	(42 - 122)

(Continued on next page)

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: D4B280137 **Work Order #...:** GAFLC1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Terphenyl-d14	75	(21 - 125)		

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: D4B280137 **Work Order #...:** GAFLC1AC **Matrix.....:** WATER
LCS Lot-Sample#: D4C020000-259
Prep Date.....: 03/02/04 **Analysis Date..:** 03/04/04
Prep Batch #...: 4062259 **Analysis Time..:** 17:24
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Acenaphthene	**70**	**(55 - 97)**	**SW846 8270C**
1,4-Dichlorobenzene	**58**	**(31 - 98)**	**SW846 8270C**
4-Chloro-3-methylphenol	**77**	**(59 - 106)**	**SW846 8270C**
2-Chlorophenol	**77**	**(59 - 105)**	**SW846 8270C**
2,4-Dinitrotoluene	**77**	**(57 - 113)**	**SW846 8270C**
4-Nitrophenol	**72**	**(43 - 118)**	**SW846 8270C**
N-Nitrosodi-n-propyl-amine	**78**	**(51 - 99)**	**SW846 8270C**
Pentachlorophenol	**69**	**(48 - 114)**	**SW846 8270C**
Phenol	**76**	**(56 - 106)**	**SW846 8270C**
Pyrene	**68**	**(51 - 103)**	**SW846 8270C**
1,2,4-Trichloro-benzene	**62**	**(36 - 99)**	**SW846 8270C**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	71	(54 - 105)
Phenol-d5	76	(55 - 106)
Nitrobenzene-d5	75	(58 - 108)
2-Fluorobiphenyl	66	(53 - 97)
2,4,6-Tribromophenol	77	(62 - 113)
Terphenyl-d14	71	(55 - 109)

NOTE(S):

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: D4B280137 **Work Order #...:** GAFLC1AC **Matrix.....:** WATER
LCS Lot-Sample#: D4C020000-259
Prep Date.....: 03/02/04 **Analysis Date..:** 03/04/04
Prep Batch #...: 4062259 **Analysis Time..:** 17:24
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
Acenaphthene	**100**	**70.2**	**ug/L**	**70**	**SW846 8270C**
1,4-Dichlorobenzene	**100**	**57.7**	**ug/L**	**58**	**SW846 8270C**
4-Chloro-3-methylphenol	**150**	**116**	**ug/L**	**77**	**SW846 8270C**
2-Chlorophenol	**150**	**115**	**ug/L**	**77**	**SW846 8270C**
2,4-Dinitrotoluene	**100**	**76.8**	**ug/L**	**77**	**SW846 8270C**
4-Nitrophenol	**150**	**109**	**ug/L**	**72**	**SW846 8270C**
N-Nitrosodi-n-propyl-amine	**100**	**78.3**	**ug/L**	**78**	**SW846 8270C**
Pentachlorophenol	**150**	**103**	**ug/L**	**69**	**SW846 8270C**
Phenol	**150**	**114**	**ug/L**	**76**	**SW846 8270C**
Pyrene	**100**	**68.3**	**ug/L**	**68**	**SW846 8270C**
1,2,4-Trichloro-benzene	**100**	**61.8**	**ug/L**	**62**	**SW846 8270C**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	71	(54 - 105)
Phenol-d5	76	(55 - 106)
Nitrobenzene-d5	75	(58 - 108)
2-Fluorobiphenyl	66	(53 - 97)
2,4,6-Tribromophenol	77	(62 - 113)
Terphenyl-d14	71	(55 - 109)

NOTE(S):

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

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: D4B280137 **Work Order #...:** GACAG1AN-MS **Matrix.....:** WATER
MS Lot-Sample #: D4B270299-001 GACAG1AP-MSD
Date Sampled...: 02/26/04 13:30 **Date Received..:** 02/27/04
Prep Date.....: 03/02/04 **Analysis Date..:** 03/06/04
Prep Batch #...: 4062259 **Analysis Time..:** 03:26
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Acenaphthene	**81**	**(50 - 96)**			**SW846 8270C**
	82	**(50 - 96)**	**9.0**	**(0-40)**	**SW846 8270C**
1,4-Dichlorobenzene	**75**	**(41 - 92)**			**SW846 8270C**
	67	**(41 - 92)**	**3.8**	**(0-30)**	**SW846 8270C**
4-Chloro-3-methylphenol	**95**	**(49 - 102)**			**SW846 8270C**
	95	**(49 - 102)**	**8.0**	**(0-40)**	**SW846 8270C**
2-Chlorophenol	**92**	**(49 - 98)**			**SW846 8270C**
	88	**(49 - 98)**	**4.0**	**(0-40)**	**SW846 8270C**
2,4-Dinitrotoluene	**79**	**(51 - 106)**			**SW846 8270C**
	79	**(51 - 106)**	**8.6**	**(0-40)**	**SW846 8270C**
4-Nitrophenol	**89**	**(34 - 116)**			**SW846 8270C**
	89	**(34 - 116)**	**7.7**	**(0-40)**	**SW846 8270C**
N-Nitrosodi-n-propyl-amine	**90**	**(46 - 101)**			**SW846 8270C**
	87	**(46 - 101)**	**4.8**	**(0-40)**	**SW846 8270C**
Pentachlorophenol	**94**	**(34 - 116)**			**SW846 8270C**
	94	**(34 - 116)**	**8.3**	**(0-40)**	**SW846 8270C**
Phenol	**95**	**(46 - 98)**			**SW846 8270C**
	92	**(46 - 98)**	**4.6**	**(0-40)**	**SW846 8270C**
Pyrene	**84**	**(39 - 103)**			**SW846 8270C**
	82	**(39 - 103)**	**5.9**	**(0-40)**	**SW846 8270C**
1,2,4-Trichloro-benzene	**80**	**(46 - 92)**			**SW846 8270C**
	73	**(46 - 92)**	**0.39**	**(0-40)**	**SW846 8270C**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	82	(32 - 116)
	79	(32 - 116)
Phenol-d5	88	(40 - 111)
	85	(40 - 111)
Nitrobenzene-d5	98	(53 - 107)
	94	(53 - 107)
2-Fluorobiphenyl	68	(31 - 105)
	71	(31 - 105)
2,4,6-Tribromophenol	81	(42 - 122)
	80	(42 - 122)

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MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: D4B280137 **Work Order #...:** GACAG1AN-MS **Matrix.....:** WATER
MS Lot-Sample #: D4B270299-001 GACAG1AP-MSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Terphenyl-d14	90	(21 - 125)
	84	(21 - 125)

NOTE(S):

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

Bold print denotes control parameters

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: D4B280137 **Work Order #...:** GACAG1AN-MS **Matrix.....:** WATER
MS Lot-Sample #: D4B270299-001 GACAG1AP-MSD
Date Sampled...: 02/26/04 13:30 **Date Received..:** 02/27/04
Prep Date.....: 03/02/04 **Analysis Date..:** 03/06/04
Prep Batch #...: 4062259 **Analysis Time..:** 03:26
Dilution Factor: 1

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Acenaphthene	**ND**	**102**	**82.7**	**ug/L**	**81**		**SW846 8270C**
	ND	**111**	**90.6**	**ug/L**	**82**	**9.0**	**SW846 8270C**
1,4-Dichlorobenzene	**ND**	**102**	**76.6**	**ug/L**	**75**		**SW846 8270C**
	ND	**111**	**73.7**	**ug/L**	**67**	**3.8**	**SW846 8270C**
4-Chloro-3-methylphenol	**ND**	**153**	**145**	**ug/L**	**95**		**SW846 8270C**
	ND	**166**	**157**	**ug/L**	**95**	**8.0**	**SW846 8270C**
2-Chlorophenol	**ND**	**153**	**140**	**ug/L**	**92**		**SW846 8270C**
	ND	**166**	**146**	**ug/L**	**88**	**4.0**	**SW846 8270C**
2,4-Dinitrotoluene	**ND**	**102**	**80.5**	**ug/L**	**79**		**SW846 8270C**
	ND	**111**	**87.7**	**ug/L**	**79**	**8.6**	**SW846 8270C**
4-Nitrophenol	**ND**	**153**	**137**	**ug/L**	**89**		**SW846 8270C**
	ND	**166**	**148**	**ug/L**	**89**	**7.7**	**SW846 8270C**
N-Nitrosodi-n-propyl-amine	**ND**	**102**	**91.3**	**ug/L**	**90**		**SW846 8270C**
	ND	**111**	**95.8**	**ug/L**	**87**	**4.8**	**SW846 8270C**
Pentachlorophenol	**ND**	**153**	**143**	**ug/L**	**94**		**SW846 8270C**
	ND	**166**	**156**	**ug/L**	**94**	**8.3**	**SW846 8270C**
Phenol	**5.5**	**153**	**150**	**ug/L**	**95**		**SW846 8270C**
	5.5	**166**	**157**	**ug/L**	**92**	**4.6**	**SW846 8270C**
Pyrene	**ND**	**102**	**86.0**	**ug/L**	**84**		**SW846 8270C**
	ND	**111**	**91.2**	**ug/L**	**82**	**5.9**	**SW846 8270C**
1,2,4-Trichloro-benzene	**ND**	**102**	**81.3**	**ug/L**	**80**		**SW846 8270C**
	ND	**111**	**81.0**	**ug/L**	**73**	**0.39**	**SW846 8270C**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	82	(32 - 116)
	79	(32 - 116)
Phenol-d5	88	(40 - 111)
	85	(40 - 111)
Nitrobenzene-d5	98	(53 - 107)
	94	(53 - 107)
2-Fluorobiphenyl	68	(31 - 105)
	71	(31 - 105)
2,4,6-Tribromophenol	81	(42 - 122)
	80	(42 - 122)

(Continued on next page)

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: D4B280137 **Work Order #...:** GACAG1AN-MS **Matrix.....:** WATER
MS Lot-Sample #: D4B270299-001 GACAG1AP-MSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Terphenyl-d14	90	(21 - 125)
	84	(21 - 125)

NOTE(S):

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

Bold print denotes control parameters

METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: D4B280137 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: D4C010000-218 **Prep Batch #...:** 4061218						
Mercury	ND	0.20	ug/L	SW846 7470A	03/08/04	GADX61AA
		Dilution Factor: 1				
		Analysis Time..: 18:05				
MB Lot-Sample #: D4C020000-596 **Prep Batch #...:** 4062596						
Manganese	ND	10	ug/L	SW846 6010B	03/03-03/04/04	GAHEH1AA
		Dilution Factor: 1				
		Analysis Time..: 22:52				
Barium	ND	100	ug/L	SW846 6010B	03/03-03/04/04	GAHEH1AC
		Dilution Factor: 1				
		Analysis Time..: 22:52				
Potassium	ND	5000	ug/L	SW846 6010B	03/03-03/12/04	GAHEH1AD
		Dilution Factor: 1				
		Analysis Time..: 01:45				
Silver	ND	10	ug/L	SW846 6010B	03/03-03/04/04	GAHEH1AE
		Dilution Factor: 1				
		Analysis Time..: 22:52				
Arsenic	ND	10	ug/L	SW846 6010B	03/03-03/04/04	GAHEH1AF
		Dilution Factor: 1				
		Analysis Time..: 22:52				
Cadmium	ND	5.0	ug/L	SW846 6010B	03/03-03/04/04	GAHEH1AG
		Dilution Factor: 1				
		Analysis Time..: 22:52				
Cobalt	ND	10	ug/L	SW846 6010B	03/03-03/04/04	GAHEH1AH
		Dilution Factor: 1				
		Analysis Time..: 22:52				
Chromium	ND	10	ug/L	SW846 6010B	03/03-03/04/04	GAHEH1AJ
		Dilution Factor: 1				
		Analysis Time..: 22:52				
Copper	**2.0 B**	**10**	**ug/L**	**SW846 6010B**	**03/03-03/04/04**	**GAHEH1AK**
		Dilution Factor: 1				
		Analysis Time..: 22:52				

(Continued on next page)

METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: D4B280137 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Nickel	ND	40	ug/L	SW846 6010B	03/03-03/04/04	GAHEH1AL
		Dilution Factor: 1				
		Analysis Time..: 22:52				
Lead	ND	3.0	ug/L	SW846 6010B	03/03-03/04/04	GAHEH1AM
		Dilution Factor: 1				
		Analysis Time..: 22:52				
Antimony	ND	10	ug/L	SW846 6010B	03/03-03/04/04	GAHEH1AN
		Dilution Factor: 1				
		Analysis Time..: 22:52				
Selenium	ND	5.0	ug/L	SW846 6010B	03/03-03/04/04	GAHEH1AP
		Dilution Factor: 1				
		Analysis Time..: 22:52				
Zinc	ND	20	ug/L	SW846 6010B	03/03-03/04/04	GAHEH1AQ
		Dilution Factor: 1				
		Analysis Time..: 22:52				
Beryllium	ND	5.0	ug/L	SW846 6010B	03/03-03/04/04	GAHEH1AR
		Dilution Factor: 1				
		Analysis Time..: 22:52				
Boron	ND	100	ug/L	SW846 6010B	03/03-03/12/04	GAHEH1AT
		Dilution Factor: 1				
		Analysis Time..: 01:45				

NOTE(S):

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

B Estimated result. Result is less than RL.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: D4B280137 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: D4C010000-218 **Prep Batch #...:** 4061218					
Mercury	100	(84 - 114)	SW846 7470A	03/08/04	GADX61AC
		Dilution Factor: 1	Analysis Time..: 18:07		
LCS Lot-Sample#: D4C020000-596 **Prep Batch #...:** 4062596					
Manganese	101	(90 - 110)	SW846 6010B	03/03-03/04/04	GAHEH1AU
		Dilution Factor: 1	Analysis Time..: 22:57		
Barium	104	(93 - 113)	SW846 6010B	03/03-03/04/04	GAHEH1AV
		Dilution Factor: 1	Analysis Time..: 22:57		
Potassium	95	(86 - 111)	SW846 6010B	03/03-03/12/04	GAHEH1AW
		Dilution Factor: 1	Analysis Time..: 01:50		
Silver	101	(85 - 114)	SW846 6010B	03/03-03/04/04	GAHEH1AX
		Dilution Factor: 1	Analysis Time..: 22:57		
Arsenic	102	(89 - 109)	SW846 6010B	03/03-03/04/04	GAHEH1A0
		Dilution Factor: 1	Analysis Time..: 22:57		
Cadmium	97	(89 - 110)	SW846 6010B	03/03-03/04/04	GAHEH1A1
		Dilution Factor: 1	Analysis Time..: 22:57		
Cobalt	99	(86 - 107)	SW846 6010B	03/03-03/04/04	GAHEH1A2
		Dilution Factor: 1	Analysis Time..: 22:57		
Chromium	100	(89 - 112)	SW846 6010B	03/03-03/04/04	GAHEH1A3
		Dilution Factor: 1	Analysis Time..: 22:57		
Copper	100	(86 - 110)	SW846 6010B	03/03-03/04/04	GAHEH1A4
		Dilution Factor: 1	Analysis Time..: 22:57		
Nickel	98	(90 - 110)	SW846 6010B	03/03-03/04/04	GAHEH1A5
		Dilution Factor: 1	Analysis Time..: 22:57		
Lead	100	(91 - 111)	SW846 6010B	03/03-03/04/04	GAHEH1A6
		Dilution Factor: 1	Analysis Time..: 22:57		
Antimony	98	(88 - 108)	SW846 6010B	03/03-03/04/04	GAHEH1A7
		Dilution Factor: 1	Analysis Time..: 22:57		

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: D4B280137 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Selenium	106	(88 - 110)	SW846 6010B	03/03-03/04/04	GAHEH1A8
		Dilution Factor: 1	Analysis Time..: 22:57		
Zinc	93	(85 - 110)	SW846 6010B	03/03-03/04/04	GAHEH1A9
		Dilution Factor: 1	Analysis Time..: 22:57		
Beryllium	100	(88 - 112)	SW846 6010B	03/03-03/04/04	GAHEH1CA
		Dilution Factor: 1	Analysis Time..: 22:57		
Boron	98	(89 - 110)	SW846 6010B	03/03-03/12/04	GAHEH1CC
		Dilution Factor: 1	Analysis Time..: 01:50		

NOTE(S):

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

LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: D4B280137 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: D4C010000-218 **Prep Batch #...:** 4061218							
Mercury	5.00	4.98	ug/L	100	SW846 7470A	03/08/04	GADX61AC
			Dilution Factor: 1		Analysis Time..: 18:07		
LCS Lot-Sample#: D4C020000-596 **Prep Batch #...:** 4062596							
Manganese	500	504	ug/L	101	SW846 6010B	03/03-03/04/04	GAHEH1AU
			Dilution Factor: 1		Analysis Time..: 22:57		
Barium	2000	2090	ug/L	104	SW846 6010B	03/03-03/04/04	GAHEH1AV
			Dilution Factor: 1		Analysis Time..: 22:57		
Potassium	50000	47400	ug/L	95	SW846 6010B	03/03-03/12/04	GAHEH1AW
			Dilution Factor: 1		Analysis Time..: 01:50		
Silver	50.0	50.7	ug/L	101	SW846 6010B	03/03-03/04/04	GAHEH1AX
			Dilution Factor: 1		Analysis Time..: 22:57		
Arsenic	2000	2040	ug/L	102	SW846 6010B	03/03-03/04/04	GAHEH1A0
			Dilution Factor: 1		Analysis Time..: 22:57		
Cadmium	50.0	48.4	ug/L	97	SW846 6010B	03/03-03/04/04	GAHEH1A1
			Dilution Factor: 1		Analysis Time..: 22:57		
Cobalt	500	495	ug/L	99	SW846 6010B	03/03-03/04/04	GAHEH1A2
			Dilution Factor: 1		Analysis Time..: 22:57		
Chromium	200	201	ug/L	100	SW846 6010B	03/03-03/04/04	GAHEH1A3
			Dilution Factor: 1		Analysis Time..: 22:57		
Copper	250	251	ug/L	100	SW846 6010B	03/03-03/04/04	GAHEH1A4
			Dilution Factor: 1		Analysis Time..: 22:57		
Nickel	500	488	ug/L	98	SW846 6010B	03/03-03/04/04	GAHEH1A5
			Dilution Factor: 1		Analysis Time..: 22:57		
Lead	500	502	ug/L	100	SW846 6010B	03/03-03/04/04	GAHEH1A6
			Dilution Factor: 1		Analysis Time..: 22:57		
Antimony	500	488	ug/L	98	SW846 6010B	03/03-03/04/04	GAHEH1A7
			Dilution Factor: 1		Analysis Time..: 22:57		

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LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: D4B280137 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Selenium	2000	2110	ug/L	106	SW846 6010B	03/03-03/04/04	GAHEH1A8
			Dilution Factor: 1		Analysis Time..: 22:57		
Zinc	500	463	ug/L	93	SW846 6010B	03/03-03/04/04	GAHEH1A9
			Dilution Factor: 1		Analysis Time..: 22:57		
Beryllium	50.0	50.0	ug/L	100	SW846 6010B	03/03-03/04/04	GAHEH1CA
			Dilution Factor: 1		Analysis Time..: 22:57		
Boron	1000	976	ug/L	98	SW846 6010B	03/03-03/12/04	GAHEH1CC
			Dilution Factor: 1		Analysis Time..: 01:50		

NOTE(S):

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

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: D4B280137 **Matrix.....:** WATER
Date Sampled...: 02/23/04 15:45 **Date Received..:** 02/25/04

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D4B250201-010 **Prep Batch #...:** 4061218							
Mercury	84	(84 - 114)			SW846 7470A	03/08/04	F96L21CT
	98 *	(84 - 114)	16	(0-10)	SW846 7470A	03/08/04	F96L21CU
		Dilution Factor: 1					
		Analysis Time..: 18:26					

NOTE(S):

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

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

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: D4B280137 **Matrix.....:** WATER
Date Sampled...: 02/23/04 15:45 **Date Received..:** 02/25/04

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D4B250201-010 **Prep Batch #...:** 4061218									
Mercury									
	ND	5.00	4.19	ug/L	84		SW846 7470A	03/08/04	F96L21CT
	ND	5.00	4.91 *	ug/L	98	16	SW846 7470A	03/08/04	F96L21CU
			Dilution Factor: 1						
			Analysis Time..: 18:26						

NOTE(S):

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

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

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: D4B280137 **Matrix.....:** WATER
Date Sampled...: 02/27/04 09:00 **Date Received..:** 02/28/04

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D4B280137-001 **Prep Batch #...:** 4062596							
Manganese	103	(79 - 121)			SW846 6010B	03/03-03/04/04	GAC491C0
	99	(79 - 121)	4.1	(0-25)	SW846 6010B	03/03-03/04/04	GAC491C1
		Dilution Factor: 1					
		Analysis Time..: 23:29					
Barium	107	(85 - 120)			SW846 6010B	03/03-03/04/04	GAC491C2
	103	(85 - 120)	3.0	(0-25)	SW846 6010B	03/03-03/04/04	GAC491C3
		Dilution Factor: 1					
		Analysis Time..: 23:29					
Potassium	100	(76 - 132)			SW846 6010B	03/03-03/12/04	GAC491C4
	96	(76 - 132)	4.0	(0-25)	SW846 6010B	03/03-03/12/04	GAC491C5
		Dilution Factor: 1					
		Analysis Time..: 02:11					
Silver	106	(75 - 141)			SW846 6010B	03/03-03/04/04	GAC491C6
	101	(75 - 141)	4.5	(0-25)	SW846 6010B	03/03-03/04/04	GAC491C7
		Dilution Factor: 1					
		Analysis Time..: 23:29					
Arsenic	104	(84 - 124)			SW846 6010B	03/03-03/04/04	GAC491C8
	100	(84 - 124)	4.1	(0-25)	SW846 6010B	03/03-03/04/04	GAC491C9
		Dilution Factor: 1					
		Analysis Time..: 23:29					
Cadmium	99	(82 - 119)			SW846 6010B	03/03-03/04/04	GAC491DA
	95	(82 - 119)	4.5	(0-25)	SW846 6010B	03/03-03/04/04	GAC491DC
		Dilution Factor: 1					
		Analysis Time..: 23:29					
Cobalt	102	(82 - 119)			SW846 6010B	03/03-03/04/04	GAC491DD
	97	(82 - 119)	4.8	(0-25)	SW846 6010B	03/03-03/04/04	GAC491DE
		Dilution Factor: 1					
		Analysis Time..: 23:29					
Chromium	102	(73 - 135)			SW846 6010B	03/03-03/04/04	GAC491DF
	98	(73 - 135)	4.1	(0-25)	SW846 6010B	03/03-03/04/04	GAC491DG
		Dilution Factor: 1					
		Analysis Time..: 23:29					

(Continued on next page)

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: D4B280137 **Matrix.....:** WATER
Date Sampled...: 02/27/04 09:00 **Date Received..:** 02/28/04

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Copper	104	(82 - 129)			SW846 6010B	03/03-03/04/04	GAC491DH
	101	(82 - 129)	3.0	(0-25)	SW846 6010B	03/03-03/04/04	GAC491DJ
		Dilution Factor: 1					
		Analysis Time..: 23:29					
Nickel	99	(84 - 120)			SW846 6010B	03/03-03/04/04	GAC491DK
	95	(84 - 120)	3.7	(0-25)	SW846 6010B	03/03-03/04/04	GAC491DL
		Dilution Factor: 1					
		Analysis Time..: 23:29					
Lead	104	(89 - 121)			SW846 6010B	03/03-03/04/04	GAC491DM
	99	(89 - 121)	4.4	(0-25)	SW846 6010B	03/03-03/04/04	GAC491DN
		Dilution Factor: 1					
		Analysis Time..: 23:29					
Antimony	99	(81 - 124)			SW846 6010B	03/03-03/04/04	GAC491DP
	95	(81 - 124)	4.0	(0-25)	SW846 6010B	03/03-03/04/04	GAC491DQ
		Dilution Factor: 1					
		Analysis Time..: 23:29					
Selenium	108	(71 - 140)			SW846 6010B	03/03-03/04/04	GAC491DR
	103	(71 - 140)	4.1	(0-25)	SW846 6010B	03/03-03/04/04	GAC491DT
		Dilution Factor: 1					
		Analysis Time..: 23:29					
Zinc	96	(60 - 137)			SW846 6010B	03/03-03/04/04	GAC491DU
	92	(60 - 137)	4.4	(0-25)	SW846 6010B	03/03-03/04/04	GAC491DV
		Dilution Factor: 1					
		Analysis Time..: 23:29					
Beryllium	102	(79 - 121)			SW846 6010B	03/03-03/04/04	GAC491DW
	97	(79 - 121)	5.0	(0-25)	SW846 6010B	03/03-03/04/04	GAC491DX
		Dilution Factor: 1					
		Analysis Time..: 23:29					
Boron	101	(87 - 113)			SW846 6010B	03/03-03/12/04	GAC491D0
	97	(87 - 113)	3.9	(0-25)	SW846 6010B	03/03-03/12/04	GAC491D1
		Dilution Factor: 1					
		Analysis Time..: 02:11					

NOTE(S):

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

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: D4B280137 **Matrix.....:** WATER
Date Sampled...: 02/27/04 09:00 **Date Received..:** 02/28/04

MS Lot-Sample #: D4B280137-001 **Prep Batch #...:** 4062596

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Manganese									
	1.0	500	514	ug/L	103		SW846 6010B	03/03-03/04/04	GAC491C0
	1.0	500	494	ug/L	99	4.1	SW846 6010B	03/03-03/04/04	GAC491C1
			Dilution Factor: 1						
			Analysis Time..: 23:29						
Barium									
	64	2000	2200	ug/L	107		SW846 6010B	03/03-03/04/04	GAC491C2
	64	2000	2130	ug/L	103	3.0	SW846 6010B	03/03-03/04/04	GAC491C3
			Dilution Factor: 1						
			Analysis Time..: 23:29						
Potassium									
	2800	50000	53000	ug/L	100		SW846 6010B	03/03-03/12/04	GAC491C4
	2800	50000	50900	ug/L	96	4.0	SW846 6010B	03/03-03/12/04	GAC491C5
			Dilution Factor: 1						
			Analysis Time..: 02:11						
Silver									
	ND	50.0	53.0	ug/L	106		SW846 6010B	03/03-03/04/04	GAC491C6
	ND	50.0	50.7	ug/L	101	4.5	SW846 6010B	03/03-03/04/04	GAC491C7
			Dilution Factor: 1						
			Analysis Time..: 23:29						
Arsenic									
	ND	2000	2080	ug/L	104		SW846 6010B	03/03-03/04/04	GAC491C8
	ND	2000	2000	ug/L	100	4.1	SW846 6010B	03/03-03/04/04	GAC491C9
			Dilution Factor: 1						
			Analysis Time..: 23:29						
Cadmium									
	ND	50.0	49.7	ug/L	99		SW846 6010B	03/03-03/04/04	GAC491DA
	ND	50.0	47.5	ug/L	95	4.5	SW846 6010B	03/03-03/04/04	GAC491DC
			Dilution Factor: 1						
			Analysis Time..: 23:29						
Cobalt									
	ND	500	508	ug/L	102		SW846 6010B	03/03-03/04/04	GAC491DD
	ND	500	484	ug/L	97	4.8	SW846 6010B	03/03-03/04/04	GAC491DE
			Dilution Factor: 1						
			Analysis Time..: 23:29						

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MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: D4B280137 **Matrix.....:** WATER
Date Sampled...: 02/27/04 09:00 **Date Received..:** 02/28/04

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Chromium									
	ND	200	205	ug/L	102		SW846 6010B	03/03-03/04/04	GAC491DF
	ND	200	196	ug/L	98	4.1	SW846 6010B	03/03-03/04/04	GAC491DG
			Dilution Factor: 1						
			Analysis Time..: 23:29						
Copper									
	2.7	250	262	ug/L	104		SW846 6010B	03/03-03/04/04	GAC491DH
	2.7	250	254	ug/L	101	3.0	SW846 6010B	03/03-03/04/04	GAC491DJ
			Dilution Factor: 1						
			Analysis Time..: 23:29						
Nickel									
	ND	500	497	ug/L	99		SW846 6010B	03/03-03/04/04	GAC491DK
	ND	500	479	ug/L	95	3.7	SW846 6010B	03/03-03/04/04	GAC491DL
			Dilution Factor: 1						
			Analysis Time..: 23:29						
Lead									
	ND	500	520	ug/L	104		SW846 6010B	03/03-03/04/04	GAC491DM
	ND	500	498	ug/L	99	4.4	SW846 6010B	03/03-03/04/04	GAC491DN
			Dilution Factor: 1						
			Analysis Time..: 23:29						
Antimony									
	ND	500	497	ug/L	99		SW846 6010B	03/03-03/04/04	GAC491DP
	ND	500	477	ug/L	95	4.0	SW846 6010B	03/03-03/04/04	GAC491DQ
			Dilution Factor: 1						
			Analysis Time..: 23:29						
Selenium									
	ND	2000	2150	ug/L	108		SW846 6010B	03/03-03/04/04	GAC491DR
	ND	2000	2060	ug/L	103	4.1	SW846 6010B	03/03-03/04/04	GAC491DT
			Dilution Factor: 1						
			Analysis Time..: 23:29						
Zinc									
	ND	500	481	ug/L	96		SW846 6010B	03/03-03/04/04	GAC491DU
	ND	500	460	ug/L	92	4.4	SW846 6010B	03/03-03/04/04	GAC491DV
			Dilution Factor: 1						
			Analysis Time..: 23:29						

(Continued on next page)

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: D4B280137 **Matrix.....:** WATER
Date Sampled...: 02/27/04 09:00 **Date Received..:** 02/28/04

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Beryllium									
	ND	50.0	50.8	ug/L	102		SW846 6010B	03/03-03/04/04	GAC491DW
	ND	50.0	48.4	ug/L	97	5.0	SW846 6010B	03/03-03/04/04	GAC491DX
			Dilution Factor: 1						
			Analysis Time..: 23:29						
Boron									
	140	1000	1150	ug/L	101		SW846 6010B	03/03-03/12/04	GAC491D0
	140	1000	1110	ug/L	97	3.9	SW846 6010B	03/03-03/12/04	GAC491D1
			Dilution Factor: 1						
			Analysis Time..: 02:11						

NOTE(S):

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

METHOD BLANK REPORT

DISSOLVED Metals

Client Lot #...: D4B280137 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: D4C030000-600 **Prep Batch #...:** 4063600						
Calcium	**80 B**	**200**	**ug/L**	**SW846 6010B**	**03/05-03/13/04**	**GAKQL1AA**
		Dilution Factor: 1				
		Analysis Time..: 18:38				
Magnesium	ND	200	ug/L	SW846 6010B	03/05-03/13/04	GAKQL1AD
		Dilution Factor: 1				
		Analysis Time..: 18:38				
Sodium	ND	5000	ug/L	SW846 6010B	03/05-03/13/04	GAKQL1AE
		Dilution Factor: 1				
		Analysis Time..: 18:38				
Potassium	ND	5000	ug/L	SW846 6010B	03/05-03/13/04	GAKQL1AC
		Dilution Factor: 1				
		Analysis Time..: 18:38				
Iron	ND	100	ug/L	SW846 6010B	03/05-03/13/04	GAKQL1AJ
		Dilution Factor: 1				
		Analysis Time..: 18:38				

NOTE(S):

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

B Estimated result. Result is less than RL.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: D4B280137 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: D4C030000-600 **Prep Batch #...:** 4063600					
Calcium	103	(89 - 110)	SW846 6010B	03/05-03/13/04	GAKQL1AN
		Dilution Factor: 1	Analysis Time..: 18:43		
Magnesium	100	(91 - 111)	SW846 6010B	03/05-03/13/04	GAKQL1AQ
		Dilution Factor: 1	Analysis Time..: 18:43		
Sodium	97	(91 - 112)	SW846 6010B	03/05-03/13/04	GAKQL1AR
		Dilution Factor: 1	Analysis Time..: 18:43		
Potassium	97	(86 - 111)	SW846 6010B	03/05-03/13/04	GAKQL1AP
		Dilution Factor: 1	Analysis Time..: 18:43		
Iron	99	(88 - 110)	SW846 6010B	03/05-03/13/04	GAKQL1AW
		Dilution Factor: 1	Analysis Time..: 18:43		

NOTE(S):

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

LABORATORY CONTROL SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: D4B280137 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: D4C030000-600 **Prep Batch #...:** 4063600							
Calcium	50000	51500	ug/L	103	SW846 6010B	03/05-03/13/04	GAKQL1AN
			Dilution Factor: 1		Analysis Time..: 18:43		
Magnesium	50000	50000	ug/L	100	SW846 6010B	03/05-03/13/04	GAKQL1AQ
			Dilution Factor: 1		Analysis Time..: 18:43		
Sodium	50000	48600	ug/L	97	SW846 6010B	03/05-03/13/04	GAKQL1AR
			Dilution Factor: 1		Analysis Time..: 18:43		
Potassium	50000	48700	ug/L	97	SW846 6010B	03/05-03/13/04	GAKQL1AP
			Dilution Factor: 1		Analysis Time..: 18:43		
Iron	1000	993	ug/L	99	SW846 6010B	03/05-03/13/04	GAKQL1AW
			Dilution Factor: 1		Analysis Time..: 18:43		

NOTE(S):

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

MATRIX SPIKE SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: D4B280137 **Matrix.....:** WATER
Date Sampled...: 03/01/04 11:05 **Date Received..:** 03/02/04

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D4C020152-001 **Prep Batch #...:** 4063600							
Calcium	112	(48 - 153)			SW846 6010B	03/05-03/13/04	GAFNR1A0
	95	(48 - 153)	6.5	(0-25)	SW846 6010B	03/05-03/13/04	GAFNR1A1
		Dilution Factor: 1					
		Analysis Time..: 19:30					
Magnesium	NC,MSB	(62 - 146)			SW846 6010B	03/05-03/13/04	GAFNR1A4
	NC,MSB	(62 - 146)		(0-25)	SW846 6010B	03/05-03/13/04	GAFNR1A5
		Dilution Factor: 1					
		Analysis Time..: 19:30					
Sodium	NC,MSB	(70 - 203)			SW846 6010B	03/05-03/13/04	GAFNR1A6
	NC,MSB	(70 - 203)		(0-40)	SW846 6010B	03/05-03/13/04	GAFNR1A7
		Dilution Factor: 1					
		Analysis Time..: 19:30					
Potassium	108	(76 - 132)			SW846 6010B	03/05-03/13/04	GAFNR1A2
	99	(76 - 132)	7.0	(0-25)	SW846 6010B	03/05-03/13/04	GAFNR1A3
		Dilution Factor: 1					
		Analysis Time..: 19:30					
Iron	101	(52 - 155)			SW846 6010B	03/05-03/13/04	GAFNR1CF
	93	(52 - 155)	7.3	(0-25)	SW846 6010B	03/05-03/13/04	GAFNR1CG
		Dilution Factor: 1					
		Analysis Time..: 19:30					

NOTE(S):

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

NC The recovery and/or RPD were not calculated.

MSB The recovery and RPD were not calculated because the sample amount was greater than four times the spike amount.

MATRIX SPIKE SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: D4B280137 **Matrix.....:** WATER
Date Sampled...: 03/01/04 11:05 **Date Received..:** 03/02/04

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D4C020152-001 **Prep Batch #...:** 4063600									
Calcium									
	79000	50000	136000	ug/L	112		SW846 6010B	03/05-03/13/04	GAFNR1A0
	79000	50000	127000	ug/L	95	6.5	SW846 6010B	03/05-03/13/04	GAFNR1A1
			Dilution Factor: 1						
			Analysis Time..: 19:30						
Magnesium									
	250000	50000	309000	ug/L			SW846 6010B	03/05-03/13/04	GAFNR1A4
			Qualifiers: NC,MSB						
	250000	50000	292000	ug/L			SW846 6010B	03/05-03/13/04	GAFNR1A5
			Qualifiers: NC,MSB						
			Dilution Factor: 1						
			Analysis Time..: 19:30						
Sodium									
	690000	50000	780000	ug/L			SW846 6010B	03/05-03/13/04	GAFNR1A6
			Qualifiers: NC,MSB						
	690000	50000	737000	ug/L			SW846 6010B	03/05-03/13/04	GAFNR1A7
			Qualifiers: NC,MSB						
			Dilution Factor: 1						
			Analysis Time..: 19:30						
Potassium									
	16000	50000	70700	ug/L	108		SW846 6010B	03/05-03/13/04	GAFNR1A2
	16000	50000	65900	ug/L	99	7.0	SW846 6010B	03/05-03/13/04	GAFNR1A3
			Dilution Factor: 1						
			Analysis Time..: 19:30						
Iron									
	49	1000	1060	ug/L	101		SW846 6010B	03/05-03/13/04	GAFNR1CF
	49	1000	983	ug/L	93	7.3	SW846 6010B	03/05-03/13/04	GAFNR1CG
			Dilution Factor: 1						
			Analysis Time..: 19:30						

NOTE(S):

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

NC The recovery and/or RPD were not calculated.

MSB The recovery and RPD were not calculated because the sample amount was greater than four times the spike amount.

METHOD BLANK REPORT

General Chemistry

Client Lot #...: D4B280137 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Biochemical Oxygen Demand (BOD)		Work Order #: GALLN1AA		MB Lot-Sample #:	D4C040000-316	
	ND	2.0	mg/L	MCAWW 405.1	02/28/04	4064316
		Dilution Factor: 1				
		Analysis Time..: 19:00				
Chemical Oxygen Demand (COD)		Work Order #: GAWJG1AA		MB Lot-Sample #:	D4C090000-249	
	ND	8.0	mg/L	MCAWW 410.4	03/08/04	4069249
		Dilution Factor: 1				
		Analysis Time..: 16:45				
Chloride		Work Order #: GAE641AA		MB Lot-Sample #:	D4C010000-427	
	ND	3.0	mg/L	MCAWW 300.0A	02/28/04	4061427
		Dilution Factor: 1				
		Analysis Time..: 19:53				
Cyanide, Total		Work Order #: GA3C31AA		MB Lot-Sample #:	D4C110000-216	
	ND	0.010	mg/L	SW846 9012A	03/10/04	4071216
		Dilution Factor: 1				
		Analysis Time..: 16:00				
Fluoride		Work Order #: GAE621AA		MB Lot-Sample #:	D4C010000-428	
	ND	1.0	mg/L	MCAWW 300.0A	02/28/04	4061428
		Dilution Factor: 1				
		Analysis Time..: 19:53				
Nitrate		Work Order #: GAE661AA		MB Lot-Sample #:	D4C010000-429	
	ND	0.50	mg/L	MCAWW 300.0A	02/28/04	4061429
		Dilution Factor: 1				
		Analysis Time..: 19:53				
Specific Conductance		Work Order #: GA2TK1AA		MB Lot-Sample #:	D4C100000-600	
	0.68 B	**2.0**	**umhos/cm**	**MCAWW 120.1**	**03/10/04**	**4070600**
		Dilution Factor: 1				
		Analysis Time..: 16:00				
Sulfate		Work Order #: GAE671AA		MB Lot-Sample #:	D4C010000-426	
	ND	5.0	mg/L	MCAWW 300.0A	02/28/04	4061426
		Dilution Factor: 1				
		Analysis Time..: 19:53				
Total Alkalinity		Work Order #: GA00J1AA		MB Lot-Sample #:	D4C100000-272	
	ND	5.0	mg/L	MCAWW 310.1	03/08/04	4070272
		Dilution Factor: 1				
		Analysis Time..: 18:00				

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METHOD BLANK REPORT

General Chemistry

Client Lot #...: D4B280137 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Dissolved Solids		Work Order #: GAXXP1AA		MB Lot-Sample #:	D4C020000-555	
	8.0 B	**10**	**mg/L**	**MCAWW 160.1**	**03/02/04**	**4062555**
		Dilution Factor: 1				
		Analysis Time..: 15:00				
Total Organic Halogens		Work Order #: GCCFV1AA		MB Lot-Sample #:	D4C160000-400	
	ND	30	ug/L	SW846 9020B	03/13-03/15/04	4076400
		Dilution Factor: 1				
		Analysis Time..: 12:00				
Total Organic Carbon		Work Order #: GA11G1AA		MB Lot-Sample #:	D4C100000-445	
	ND	1.0	mg/L	MCAWW 415.1	03/09/04	4070445
		Dilution Factor: 1				
		Analysis Time..: 22:00				
Total Sulfide		Work Order #: GA2F21AA		MB Lot-Sample #:	D4C100000-529	
	ND	4.0	mg/L	SW846 9030B/9034	03/04/04	4070529
		Dilution Factor: 1				
		Analysis Time..: 14:00				

NOTE(S):

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

B Estimated result. Result is less than RL.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: D4B280137 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Biochemical Oxygen Demand (BOD)		Work Order #: GALLN1AC	LCS Lot-Sample#: D4C040000-316		
	99	(85 - 115)	MCAWW 405.1	02/28/04	4064316
		Dilution Factor: 1	Analysis Time..: 19:00		
Chemical Oxygen Demand (COD)		Work Order #: GAWJG1AC	LCS Lot-Sample#: D4C090000-249		
	90	(86 - 114)	MCAWW 410.4	03/08/04	4069249
		Dilution Factor: 1	Analysis Time..: 16:45		
Chloride		Work Order #: GAE641AC	LCS Lot-Sample#: D4C010000-427		
	99	(90 - 110)	MCAWW 300.0A	02/28/04	4061427
		Dilution Factor: 1	Analysis Time..: 19:19		
Cyanide, Total		Work Order #: GA3C31AC	LCS Lot-Sample#: D4C110000-216		
	102	(89 - 109)	SW846 9012A	03/10/04	4071216
		Dilution Factor: 1	Analysis Time..: 16:00		
Fluoride		Work Order #: GAE621AC	LCS Lot-Sample#: D4C010000-428		
	101	(90 - 110)	MCAWW 300.0A	02/28/04	4061428
		Dilution Factor: 1	Analysis Time..: 19:19		
Nitrate		Work Order #: GAE661AC	LCS Lot-Sample#: D4C010000-429		
	98	(90 - 110)	MCAWW 300.0A	02/28/04	4061429
		Dilution Factor: 1	Analysis Time..: 19:19		
Specific Conductance		Work Order #: GA2TK1AC	LCS Lot-Sample#: D4C100000-600		
	99	(89 - 109)	MCAWW 120.1	03/10/04	4070600
		Dilution Factor: 1	Analysis Time..: 16:00		
Sulfate		Work Order #: GAE671AC	LCS Lot-Sample#: D4C010000-426		
	99	(90 - 110)	MCAWW 300.0A	02/28/04	4061426
		Dilution Factor: 1	Analysis Time..: 19:19		
Total Alkalinity		Work Order #: GA00J1AC	LCS Lot-Sample#: D4C100000-272		
	99	(95 - 110)	MCAWW 310.1	03/08/04	4070272
		Dilution Factor: 1	Analysis Time..: 18:00		
Total Dissolved Solids		Work Order #: GAXXP1AC	LCS Lot-Sample#: D4C020000-555		
	99	(86 - 106)	MCAWW 160.1	03/02/04	4062555
		Dilution Factor: 1	Analysis Time..: 15:00		

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: D4B280137 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Halogens		Work Order #: GCCFV1AC	LCS Lot-Sample#: D4C160000-400		
	97	(75 - 113)	SW846 9020B	03/13/04	4076400
		Dilution Factor: 1	Analysis Time..: 12:00		
Total Organic Carbon		Work Order #: GA11G1AC	LCS Lot-Sample#: D4C100000-445		
	104	(90 - 110)	MCAWW 415.1	03/09/04	4070445
		Dilution Factor: 1	Analysis Time..: 22:00		
Total Sulfide		Work Order #: GA2F21AC	LCS Lot-Sample#: D4C100000-529		
	92	(70 - 130)	SW846 9030B/9034	03/04/04	4070529
		Dilution Factor: 1	Analysis Time..: 14:00		

NOTE(S):

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

LABORATORY CONTROL SAMPLE DATA REPORT

General Chemistry

Client Lot #...: D4B280137 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Biochemical Oxygen Demand (BOD)			Work Order #: GALLN1AC		LCS Lot-Sample#: D4C040000-316		
	198	196	mg/L	99	MCAWW 405.1	02/28/04	4064316
			Dilution Factor: 1		Analysis Time..: 19:00		
Chemical Oxygen Demand (COD)			Work Order #: GAWJG1AC		LCS Lot-Sample#: D4C090000-249		
	100	89.5	mg/L	90	MCAWW 410.4	03/08/04	4069249
			Dilution Factor: 1		Analysis Time..: 16:45		
Chloride			Work Order #: GAE641AC		LCS Lot-Sample#: D4C010000-427		
	20.0	19.8	mg/L	99	MCAWW 300.0A	02/28/04	4061427
			Dilution Factor: 1		Analysis Time..: 19:19		
Cyanide, Total			Work Order #: GA3C31AC		LCS Lot-Sample#: D4C110000-216		
	0.100	0.102	mg/L	102	SW846 9012A	03/10/04	4071216
			Dilution Factor: 1		Analysis Time..: 16:00		
Fluoride			Work Order #: GAE621AC		LCS Lot-Sample#: D4C010000-428		
	4.00	4.05	mg/L	101	MCAWW 300.0A	02/28/04	4061428
			Dilution Factor: 1		Analysis Time..: 19:19		
Nitrate			Work Order #: GAE661AC		LCS Lot-Sample#: D4C010000-429		
	4.00	3.92	mg/L	98	MCAWW 300.0A	02/28/04	4061429
			Dilution Factor: 1		Analysis Time..: 19:19		
Specific Conductance			Work Order #: GA2TK1AC		LCS Lot-Sample#: D4C100000-600		
	1030	1020	umhos/cm	99	MCAWW 120.1	03/10/04	4070600
			Dilution Factor: 1		Analysis Time..: 16:00		
Sulfate			Work Order #: GAE671AC		LCS Lot-Sample#: D4C010000-426		
	20.0	19.8	mg/L	99	MCAWW 300.0A	02/28/04	4061426
			Dilution Factor: 1		Analysis Time..: 19:19		
Total Alkalinity			Work Order #: GA00J1AC		LCS Lot-Sample#: D4C100000-272		
	200	198	mg/L	99	MCAWW 310.1	03/08/04	4070272
			Dilution Factor: 1		Analysis Time..: 18:00		
Total Dissolved Solids			Work Order #: GAXXP1AC		LCS Lot-Sample#: D4C020000-555		
	500	494	mg/L	99	MCAWW 160.1	03/02/04	4062555
			Dilution Factor: 1		Analysis Time..: 15:00		

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LABORATORY CONTROL SAMPLE DATA REPORT

General Chemistry

Client Lot #...: D4B280137 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Halogens			Work Order #: GCCFV1AC		LCS Lot-Sample#:	D4C160000-400	
	100	97.0	ug/L	97	SW846 9020B	03/13/04	4076400
			Dilution Factor: 1		Analysis Time..: 12:00		
Total Organic Carbon			Work Order #: GA11G1AC		LCS Lot-Sample#:	D4C100000-445	
	25.0	26.1	mg/L	104	MCAWW 415.1	03/09/04	4070445
			Dilution Factor: 1		Analysis Time..: 22:00		
Total Sulfide			Work Order #: GA2F21AC		LCS Lot-Sample#:	D4C100000-529	
	22.8	20.9	mg/L	92	SW846 9030B/9034	03/04/04	4070529
			Dilution Factor: 1		Analysis Time..: 14:00		

NOTE(S):

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

MATRIX SPIKE SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: D4B280137 **Matrix.....:** WATER
Date Sampled...: 02/24/04 08:45 **Date Received..:** 02/26/04

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chemical Oxygen Demand (COD)		WO#: GACAG1AX-MS/GACAG1A0-MSD				MS Lot-Sample #: D4B270299-001	
	104	(74 - 109)			MCAWW 410.4	03/08/04	4069249
	84 *	(74 - 109)	19	(0-11)	MCAWW 410.4	03/08/04	4069249
		Dilution Factor: 1					
		Analysis Time..: 11:00					
Chloride		WO#: GAC491CR-MS/GAC491CT-MSD				MS Lot-Sample #: D4B280137-001	
	94	(80 - 120)			MCAWW 300.0A	02/28/04	4061427
	102	(80 - 120)	5.1	(0-10)	MCAWW 300.0A	02/28/04	4061427
		Dilution Factor: 1					
		Analysis Time..: 22:25					
Cyanide, Total		WO#: GAGEX1A7-MS/GAGEX1A8-MSD				MS Lot-Sample #: D4C020245-001	
	102	(78 - 120)			SW846 9012A	03/10/04	4071216
	101	(78 - 120)	0.98	(0-20)	SW846 9012A	03/10/04	4071216
		Dilution Factor: 1					
		Analysis Time..: 16:00					
Fluoride		WO#: GAC491CP-MS/GAC491CQ-MSD				MS Lot-Sample #: D4B280137-001	
	93	(80 - 120)			MCAWW 300.0A	02/28/04	4061428
	98	(80 - 120)	5.3	(0-10)	MCAWW 300.0A	02/28/04	4061428
		Dilution Factor: 1					
		Analysis Time..: 22:25					
Nitrate		WO#: GAC491CU-MS/GAC491CV-MSD				MS Lot-Sample #: D4B280137-001	
	95	(80 - 120)			MCAWW 300.0A	02/28/04	4061429
	101	(80 - 120)	5.8	(0-10)	MCAWW 300.0A	02/28/04	4061429
		Dilution Factor: 1					
		Analysis Time..: 22:25					
Sulfate		WO#: GAC491CW-MS/GAC491CX-MSD				MS Lot-Sample #: D4B280137-001	
	87 I	(80 - 120)			MCAWW 300.0A	02/28/04	4061426
	99 I	(80 - 120)	4.6	(0-10)	MCAWW 300.0A	02/28/04	4061426
		Dilution Factor: 1					
		Analysis Time..: 22:25					
Total Organic Halogens		WO#: GACLK1AC-MS/GACLK1AD-MSD				MS Lot-Sample #: D4B270352-003	
	105	(75 - 113)			SW846 9020B	03/12-03/13/04	4074114
	91	(75 - 113)	14	(0-30)	SW846 9020B	03/12-03/13/04	4074114
		Dilution Factor: 1					
		Analysis Time..: 12:00					

(Continued on next page)

MATRIX SPIKE SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: D4B280137 **Matrix.....:** WATER
Date Sampled...: 02/24/04 08:45 **Date Received..:** 02/26/04

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon		WO#: F97FA1AD-MS/F97FA1AE-MSD				MS Lot-Sample #: D4B250307-001	
	103	(85 - 117)			MCAWW 415.1	03/09/04	4070446
	102	(85 - 117)	0.85	(0-10)	MCAWW 415.1	03/09/04	4070446
		Dilution Factor: 1					
		Analysis Time..: 22:00					
Total Sulfide		WO#: GAAH91A1-MS/GAAH91A2-MSD				MS Lot-Sample #: I4B270185-007	
	78	(70 - 130)			SW846 9030B/9034	03/04/04	4070529
	74	(70 - 130)	4.7	(0-20)	SW846 9030B/9034	03/04/04	4070529
		Dilution Factor: 1					
		Analysis Time..: 14:00					

NOTE(S):

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

I Estimated result. Result concentration exceeds the calibration range.

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

MATRIX SPIKE SAMPLE DATA REPORT

General Chemistry

Client Lot #...: D4B280137 **Matrix.....:** WATER
Date Sampled...: 02/24/04 08:45 **Date Received..:** 02/26/04

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chemical Oxygen Demand (COD)			WO#: GACAG1AX-MS/GACAG1A0-MSD				MS Lot-Sample #: D4B270299-001		
	ND	50.0	54.5	mg/L	104		MCAWW 410.4	03/08/04	4069249
	ND	50.0	45.0 *	mg/L	84	19	MCAWW 410.4	03/08/04	4069249
			Dilution Factor: 1						
			Analysis Time..: 11:00						
Chloride			WO#: GAC491CR-MS/GAC491CT-MSD				MS Lot-Sample #: D4B280137-001		
	13	25.0	36.2	mg/L	94		MCAWW 300.0A	02/28/04	4061427
	13	25.0	38.1	mg/L	102	5.1	MCAWW 300.0A	02/28/04	4061427
			Dilution Factor: 1						
			Analysis Time..: 22:25						
Cyanide, Total			WO#: GAGEX1A7-MS/GAGEX1A8-MSD				MS Lot-Sample #: D4C020245-001		
	ND	0.100	0.102	mg/L	102		SW846 9012A	03/10/04	4071216
	ND	0.100	0.101	mg/L	101	0.98	SW846 9012A	03/10/04	4071216
			Dilution Factor: 1						
			Analysis Time..: 16:00						
Fluoride			WO#: GAC491CP-MS/GAC491CQ-MSD				MS Lot-Sample #: D4B280137-001		
	0.66	5.00	5.29	mg/L	93		MCAWW 300.0A	02/28/04	4061428
	0.66	5.00	5.58	mg/L	98	5.3	MCAWW 300.0A	02/28/04	4061428
			Dilution Factor: 1						
			Analysis Time..: 22:25						
Nitrate			WO#: GAC491CU-MS/GAC491CV-MSD				MS Lot-Sample #: D4B280137-001		
	0.50	5.00	5.23	mg/L	95		MCAWW 300.0A	02/28/04	4061429
	0.50	5.00	5.54	mg/L	101	5.8	MCAWW 300.0A	02/28/04	4061429
			Dilution Factor: 1						
			Analysis Time..: 22:25						
Sulfate			WO#: GAC491CW-MS/GAC491CX-MSD				MS Lot-Sample #: D4B280137-001		
	41	25.0	63.1 I	mg/L	87		MCAWW 300.0A	02/28/04	4061426
	41	25.0	66.0 I	mg/L	99	4.6	MCAWW 300.0A	02/28/04	4061426
			Dilution Factor: 1						
			Analysis Time..: 22:25						
Total Organic Halogens			WO#: GACLK1AC-MS/GACLK1AD-MSD				MS Lot-Sample #: D4B270352-003		
	ND	200	210	ug/L	105		SW846 9020B	03/12-03/13/04	4074114
	ND	200	182	ug/L	91	14	SW846 9020B	03/12-03/13/04	4074114
			Dilution Factor: 1						
			Analysis Time..: 12:00						

(Continued on next page)

MATRIX SPIKE SAMPLE DATA REPORT

General Chemistry

Client Lot #...: D4B280137 **Matrix.....:** WATER
Date Sampled...: 02/24/04 08:45 **Date Received..:** 02/26/04

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon			WO#: F97FA1AD-MS/F97FA1AE-MSD				MS Lot-Sample #: D4B250307-001		
	ND	25.0	25.8	mg/L	103		MCAWW 415.1	03/09/04	4070446
	ND	25.0	25.6	mg/L	102	0.85	MCAWW 415.1	03/09/04	4070446
			Dilution Factor: 1						
			Analysis Time..: 22:00						
Total Sulfide			WO#: GAAH91A1-MS/GAAH91A2-MSD				MS Lot-Sample #: I4B270185-007		
	0.70	22.8	18.4	mg/L	78		SW846 9030B/9	03/04/04	4070529
	0.70	22.8	17.5	mg/L	74	4.7	SW846 9030B/9	03/04/04	4070529
			Dilution Factor: 1						
			Analysis Time..: 14:00						

NOTE(S):

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

I Estimated result. Result concentration exceeds the calibration range.

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

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: D4B280137 **Work Order #...:** GAA8G-SMP GAA8G-DUP **Matrix.....:** WATER

Date Sampled...: 02/26/04 11:13 **Date Received..:** 02/27/04

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Dissolved Solids						SD Lot-Sample #:	D4B270290-001	
	4800 J,Q	4800 Q	mg/L	0.50	(0-20)	MCAWW 160.1	03/02/04	4062555

Dilution Factor: 2 Analysis Time..: 00:00

NOTE(S):

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

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

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

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: D4B280137 **Work Order #...:** GAC49-SMP GAC49-DUP **Matrix.....:** WATER

Date Sampled...: 02/27/04 09:00 **Date Received..:** 02/28/04

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Biochemical Oxygen Demand (BOD)						SD Lot-Sample #:	D4B280137-001	
	ND	ND	mg/L	0	(0-20)	MCAWW 405.1	02/28/04	4064316

Dilution Factor: 1 Analysis Time..: 19:00

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: D4B280137 **Work Order #...:** GAAL3-SMP GAAL3-DUP **Matrix.....:** WATER

Date Sampled...: 02/24/04 08:45 **Date Received..:** 02/27/04

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Specific Conductance						SD Lot-Sample #:	D4B270197-017	
	2600 J	2600	umhos/cm	0.76	(0-7.0)	MCAWW 120.1	03/10/04	4070600

Dilution Factor: 1 Analysis Time..: 16:00

NOTE(S):

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

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

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: D4B280137 **Work Order #...:** F97X6-SMP F97X6-DUP **Matrix.....:** WATER

Date Sampled...: 02/26/04 08:00 **Date Received..:** 02/26/04

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Methyl Orange Alkalinity						SD Lot-Sample #:	D4B260128-001	
	34	32	mg/L	5.2	(0-0.0)	MCAWW 310.1	03/08/04	4075548
			Dilution Factor: 1			Analysis Time..: 18:00		
Total Alkalinity						SD Lot-Sample #:	D4B260128-001	
	34	32	mg/L	5.2	(0-10)	MCAWW 310.1	03/08/04	4070272
			Dilution Factor: 1			Analysis Time..: 18:00		

[redacted]

Chain of Custody Record

STL Denver
4955 Yarrow Street
Arvada, CO 80002

2.8 03
7/8 Blue

SEVERN TRENT SERVICES

Severn Trent Laboratories, Inc.

STL-4124 (1200) DEN (0900)

Client: ACS-ENG. c/o WASTE MGMT 9TH	Project Manager: TINA SCHMIESING	Date: 2/27/04	Chain of Custody Number: 091588
Address: 3711 LONG BEACH BLVD	Telephone Number (Area Code)/Fax Number: 1800 326-9544	Lab Number: D4B80137	Page 1 of 1
City: LONG BEACH; State: CA; Zip Code: 90807	Site Contact: BRUCE M.	Lab Contact: BETSY F.	
Project Name and Location (State): BRADLEY LF.	Carrier/Waybill Number:		
Contract/Purchase Order/Quote No.: 234-2562-C			

Analysis (Attach list if more space is needed)

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Air	Aqueous	Sed.	Soil		Unpres.	H2SO4	HNOS	HCl	NaOH	ZnAc/NaOH		COND	TOT ALK	SO4/Cl/F	TDS	Metals, Tot.	TOX	COD/TOC	NO3	Metals, diss	BOD	NO2/NO3	BNA	CN	T. Sulfide	Special Instructions/ Conditions of Receipt
4915 B	2/27/04	0900		X				5	2	2	3	1	1		X	X	X	X	X	X	X	X	X	X	X	X	X	X	
4916 D	2/27/04	1100		X				5	2	2	3	1	1		X	X	X	X	X	X	X	X	X	X	X	X	X	X	
TRIP BLANK	2/27/04	1140		X							1											X							

Possible Hazard Identification: ☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal: ☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 3 months)

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By	2/27/04	1200	1. Received By	2/28/04	0930
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments

DISTRIBUTION: WHITE - Stays with the Sample; CANARY - Returned to Client with Report; PINK - Field Copy

FIELD INFORMATION FORM

WASTE MANAGEMENT

Site Name: BRADLEY LF

Site No.:

Sample Point: 4915 B (Sample ID)

This Waste Management Field Information Form is Required
This form is to be completed, in addition to any State Forms. The Field Form is submitted along with the Chain of Custody Forms that accompany the sample containers (i.e. with the cooler that is returned to the laboratory).

Laboratory Use Only/Lab ID: D4B280137 - 001

PURGE INFO

PURGE DATE (MM DD YY)	PURGE TIME (2400 Hr Clock)	ELAPSED HRS (hrs:min)	WATER VOL IN CASING (Gallons)	ACTUAL VOL PURGED (Gallons)	WELL VOLs PURGED
022704	0745	1:15	780	6.0	

Note: For Passive Sampling, replace "Water Vol in Casing" and "Well Vols Purged" w/ Water Vol in Tubing/Flow Cell and Tubing/Flow Cell Vols Purged. Mark changes, record field data, below.

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment ... Dedicated: (Y) or N

Filter Device: (Y) or N (0.45 µ) or _____ µ (circle or fill in)

Purging Device: C — A- Submersible Pump, B-Peristaltic Pump, C-QED Bladder Pump, D-Bailer, E-Piston Pump, F-Dipper/Bottle

Sampling Device: C

Filter Type: A — A-In-line Disposable, B-Pressure, C-Vacuum, X-Other

X-Other:

Sample Tube Type: A — A-Teflon, B-Stainless Steel, C-PVC, D-Polypropylene, X-Other:

WELL DATA

Well Elevation (at TOC): 917.64 (ft/msl)

Depth to Water (DTW) (from TOC): 267.72 (ft)

Groundwater Elevation (site datum, from TOC): (ft/msl)

Total Well Depth (from TOC): 389 (ft)

Stick Up (from ground elevation): (ft)

Casing ID: 8.0 (in)

Casing Material: STEEL

Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data, unless required by Site/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

STABILIZATION DATA (Optional)

Sample Time (2400 Hr Clock)	Rate/Unit	pH (std)	Conductance (SC/EC) (µmhos/cm @ 25 °C)	Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
0757	1.0 1st	8.54 1st	.460 1st	18.2	0.0	3.5	—	—
0810	2.0 2nd	7.80 2nd	.450 2nd	17.3	3.3	3.4	—	—
0832	4.0 3rd	7.75 3rd	.446 3rd	17.3	1.2	3.6	—	—
0843	5.0 4th	7.75 4th	.445 4th	17.3	1.2	3.4	—	—
0854	6.0	7.76	.445	17.4	1.5	3.2	—	—
Suggested range for 3 consec. readings or note Permit/State requirements:		+/- 0.2	+/- 3%	--	--	+/- 10%	+/- 25 mV	Stabilize

Stabilization Data Fields are Optional *(i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State/Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form.*

FIELD DATA

SAMPLE DATE (MM DD YY)	pH (std)	CONDUCTANCE (umhos/cm @ 25°C)	TEMP. (°C)	TURBIDITY (ntu)	DO (mg/L-ppm)	eH/ORP (mV)	Other: Units gal.
022704	7.76	.445	17.4	1.5	3.2	—	—

Final Field Readings are required *(i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site.*

Sample Appearance: clear Odor: none Color: clear Other:

Weather Conditions (required daily, or as conditions change): Direction/Speed: Outlook: clear. Precipitation: Y or (N)

Specific Comments (including purge/well volume calculations if required):

FIELD COMMENTS

- Samples Collected after readings had stabilized @ 6 gal.
- Samples collected @ 0900 HRS.

I certify that sampling procedures were in accordance with applicable EPA, State, and WM protocols (if more than one sampler, all should sign):

Date	Name	Signature	Company
02/27/04	Ernesto Martinez	[signature]	SCS-FS.

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample. YELLOW - Returned to Client. PINK - Field Copy

STL-8029WM R 3/00

FIELD INFORMATION FORM

WASTE MANAGEMENT

Site Name: BRADLEY LF

Site No.:

Sample Point: 4916 D (Sample ID)

This Waste Management Field Information Form is Required
This form is to be completed, in addition to any State Forms. The Field Form is submitted along with the Chain of Custody Forms that accompany the sample containers (i.e. with the cooler that is returned to the laboratory).

Laboratory Use Only/Lab ID: DHB280137-002

PURGE INFO

PURGE DATE (MM DD YY)	PURGE TIME (2400 Hr Clock)	ELAPSED HRS (hrs:min)	WATER VOL IN CASING (Gallons)	ACTUAL VOL PURGED (Gallons)	WELL VOLs PURGED
022704	1035	—	—	10000	

Note: For Passive Sampling, replace "Water Vol in Casing" and "Well Vols Purged" w/ Water Vol in Tubing/Flow Cell and Tubing/Flow Cell Vols Purged. Mark changes, record field data, below.

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment ... Dedicated: (Y) or N

Purging Device: A

Sampling Device: A

A- Submersible Pump; B-Peristaltic Pump; C-QED Bladder Pump; D-Bailer; E-Piston Pump; F-Dipper/Bottle

X-Other:

Filter Device: (Y) or N (0.45 µ) or ____ µ (circle or fill in)

Filter Type: A — A-In-line Disposable; B-Pressure; C-Vacuum; X-Other

Sample Tube Type: A — A-Teflon; B-Stainless Steel; C-PVC; D-Polypropylene; X-Other:

WELL DATA

Well Elevation (at TOC): 8910.7 (ft/msl)

Depth to Water (DTW) (from TOC): — (ft)

Groundwater Elevation (site datum, from TOC): ____ (ft/msl)

Total Well Depth (from TOC): 325 (ft)

Stick Up (from ground elevation): ____ (ft)

Casing ID: 8.0 (in)

Casing Material: STEEL

Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data, unless required by Site/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

STABILIZATION DATA (Optional)

Sample Time (2400 Hr Clock)	Rate/Unit	pH (std)	Conductance (SC/EC) (µmhos/cm @ 25 °C)	Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
1045	500 gal	1st 7.23	1st .592	19.6	500	3.9	—	—
1055	1000	2nd 7.23	2nd .589	19.7	500	3.9	—	—
		3rd	3rd					
		4th	4th					
Suggested range for 3 consec. readings or note Permit/State requirements:		+/- 0.2	+/- 3%	--	--	+/- 10%	+/- 25 mV	Stabilize

Stabilization Data Fields are Optional *(i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State/Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form.*

FIELD DATA

SAMPLE DATE (MM DD YY)	pH (std)	CONDUCTANCE (umhos/cm @ 25°C)	TEMP. (°C)	TURBIDITY (ntu)	DO (mg/L-ppm)	eH/ORP (mV)	Other: Units gal
022704	7.23	.589	19.7	500	3.9	—	—

Final Field Readings are required *(i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site.*

Sample Appearance: ____ Odor: ____ Color: ____ Other: ____

Weather Conditions (required daily, or as conditions change): Direction/Speed: ____ Outlook: ____ Precipitation: Y or N

Specific Comments (including purge/well volume calculations if required):

FIELD COMMENTS

* Samples collected when readings had stabilized @ 1000 gal
* Samples collected @ 1100 HRS.

I certify that sampling procedures were in accordance with applicable EPA, State, and WM protocols (if more than one sampler, all should sign):

Date	Name	Signature	Company
02/27/04	Ernesto Martinez	[signature]	SCS-PS.

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample. YELLOW - Returned to Client. PINK - Field Copy

STL-8029WM 8/2/00

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SEVERN TRENT STL

STL Denver
4955 Yarrow Street
Arvada, CO 80002

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

ANALYTICAL REPORT

Project No. Site 234

Bradley LF

Lot #: D4C020141

Groundwater

Bruce Matlock

Waste Mgmt. Disp. Serv. of CA
9081 Tujunga
Sun Valley, CA 91352

Cc: Tina Schmiesing

STL DENVER

Betsy Farnaus
Project Manager

March 22, 2004

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- **Table of Contents**
- **Case Narrative**
- **Executive Summary – Detection Highlights**
- **Methods Summary**
- **Method/Analyst Summary**
- **Lot Sample Summary**
- **Analytical Results**
- **QC Data Association Summary**
- **Chain-of-Custody**

Case Narrative

Enclosed is the report for four samples received at STL's Denver laboratory on March 2, 2004. The results included in this report have been reviewed for compliance with STL's Laboratory Quality Manual. The test results shown in this report meet all requirements of NELAC and any exceptions are noted below.

This report may include data with reporting limits (RLs) less than STL Denver's standard reporting limits. These data and reporting limits are being used specifically to meet the needs of this project. Note that, data are not customarily reported to these levels without qualifiers, because they are inherently less reliable and potentially less defensible than the latest industry standards require. Please contact STL Denver for more details.

Dilution factors and footnotes have been provided to assist in the interpretation of the results. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at concentrations above the linear calibration curve, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

STL utilizes USEPA approved methods in all analytical work. The samples presented in this report were analyzed for the parameters listed on the analytical methods summary page in accordance with the methods indicated. A summary of quality control parameters is provided below.

This report shall not be reproduced except in full, without the written approval of the laboratory.

Quality Control Summary for Lot D4C020141

Sample Receiving

- The cooler temperatures upon receipt at the Denver laboratory were 3.9°C and 4.6°C.
- The sample information on the sample labels for 4916H and the field blank were not written with waterproof ink, however the sample receiving employees were able to determine the label information from the pen indentations. The client was notified.
- All sample bottles were received in acceptable condition.

Holding Times

- All holding times were within established control limits.

Method Blanks

- Methylene Chloride Method 8260B, Total Beryllium, Dissolved Calcium Method 6010B and Chloride Method 300.0A were detected in the Method Blanks below the project established reporting limits. No corrective action is taken for any values in Method Blanks that are below the requested reporting limits. The Method Blank data are included at the end of this report.
- All other Method Blanks were within established control limits.

Laboratory Control Samples

- All Laboratory Control Samples were within established control limits.

Matrix Spike and Matrix Spike Duplicate (MS/MSD)

- The method required MS/MSD could not be performed for Method 8270C and Method 9030B/9034 due to insufficient sample volume, however LCS/LCSD pairs were analyzed to demonstrate method precision.

- Sample 4916H was selected to fulfill the laboratory batch quality control requirements for Method 410.4. Analysis of the laboratory generated MS/MSD for this sample provided MS and MSD recoveries of Chemical Oxygen Demand (COD) below the lower control limit indicating the possible presence of a matrix interference.

- The percent recoveries of the MS/MSD and/or the relative percent difference were not calculated for Total Manganese, Dissolved Magnesium and Dissolved Sodium during Method 6010B analysis because the sample concentration was greater than four times the spike amount.

- Due to the result concentration exceeding the calibration range the MS/MSD results for Chloride Method 300.0A are estimated.

- All other MS and MSD samples were within established control limits.

Sample Duplicate

- The RPD for Biochemical Oxygen Demand (BOD) Method 405.1 performed on an unrelated sample was outside control limits. Because all other QC and calibration criteria were met no corrective action was needed.

EXECUTIVE SUMMARY - Detection Highlights

D4C020141

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
4916H 03/01/04 09:55 001				
Calcium - DISSOLVED	85000 J	200	ug/L	SW846 6010B
Magnesium - DISSOLVED	23000	200	ug/L	SW846 6010B
Sodium - DISSOLVED	27000	5000	ug/L	SW846 6010B
Potassium - DISSOLVED	4400 B	5000	ug/L	SW846 6010B
Iron - DISSOLVED	63 B	100	ug/L	SW846 6010B
Mercury	0.27	0.20	ug/L	SW846 7470A
Cadmium	0.27 B	5.0	ug/L	SW846 6010B
Cobalt	3.4 B	10	ug/L	SW846 6010B
Manganese	3200	10	ug/L	SW846 6010B
Barium	130	100	ug/L	SW846 6010B
Potassium	4400 B	5000	ug/L	SW846 6010B
Chromium	7.2 B	10	ug/L	SW846 6010B
Copper	1.2 B	10	ug/L	SW846 6010B
Nickel	5.0 B	40	ug/L	SW846 6010B
Beryllium	1.4 B,J	5.0	ug/L	SW846 6010B
Boron	150	100	ug/L	SW846 6010B
bis(2-Ethylhexyl) phthalate	13	10	ug/L	SW846 8270C
Benzene	0.28 J	1.0	ug/L	SW846 8260B
Chlorobenzene	0.18 J	5.0	ug/L	SW846 8260B
1,1-Dichloroethane	0.95 J	5.0	ug/L	SW846 8260B
cis-1,2-Dichloroethene	1.3 J	10	ug/L	SW846 8260B
1,2-Dichloropropane	0.35 J	5.0	ug/L	SW846 8260B
Methylene chloride	0.52 J,B	5.0	ug/L	SW846 8260B
Tetrachloroethene	0.45 J	5.0	ug/L	SW846 8260B
Trichloroethene	0.19 J	5.0	ug/L	SW846 8260B
Vinyl chloride	2.6	1.0	ug/L	SW846 8260B
Specific Conductance	730	2.0	umhos/cm	MCAWW 120.1
Total Dissolved Solids	440	10	mg/L	MCAWW 160.1
Biochemical Oxygen Demand (BOD)	6.9	2.0	mg/L	MCAWW 405.1
Chloride	24 J	3.0	mg/L	MCAWW 300.0A
Sulfate	53 Q	25	mg/L	MCAWW 300.0A
Fluoride	0.30 B	1.0	mg/L	MCAWW 300.0A
Bicarbonate Alkalinity	300	5.0	mg/L	MCAWW 310.1
Total Alkalinity	300	5.0	mg/L	MCAWW 310.1

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EXECUTIVE SUMMARY - Detection Highlights

D4C020141

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
FIELD BLANK 03/01/04 10:08 002				
Methylene chloride	0.43 J,B	5.0	ug/L	SW846 8260B
4916F 03/01/04 10:45 003				
Calcium - DISSOLVED	90000 J	200	ug/L	SW846 6010B
Magnesium - DISSOLVED	25000	200	ug/L	SW846 6010B
Sodium - DISSOLVED	28000	5000	ug/L	SW846 6010B
Potassium - DISSOLVED	4600 B	5000	ug/L	SW846 6010B
Iron - DISSOLVED	72 B	100	ug/L	SW846 6010B
Mercury	0.11 B	0.20	ug/L	SW846 7470A
Cadmium	0.29 B	5.0	ug/L	SW846 6010B
Cobalt	3.9 B	10	ug/L	SW846 6010B
Manganese	3800	10	ug/L	SW846 6010B
Barium	140	100	ug/L	SW846 6010B
Potassium	4300 B	5000	ug/L	SW846 6010B
Chromium	13	10	ug/L	SW846 6010B
Copper	1.4 B	10	ug/L	SW846 6010B
Nickel	7.2 B	40	ug/L	SW846 6010B
Beryllium	1.3 B,J	5.0	ug/L	SW846 6010B
Boron	150	100	ug/L	SW846 6010B
Benzene	0.34 J	1.0	ug/L	SW846 8260B
Chlorobenzene	0.18 J	5.0	ug/L	SW846 8260B
1,1-Dichloroethane	0.93 J	5.0	ug/L	SW846 8260B
cis-1,2-Dichloroethene	1.2 J	10	ug/L	SW846 8260B
1,2-Dichloropropane	0.33 J	5.0	ug/L	SW846 8260B
Methylene chloride	0.49 J,B	5.0	ug/L	SW846 8260B
Tetrachloroethene	0.44 J	5.0	ug/L	SW846 8260B
Trichloroethene	0.18 J	5.0	ug/L	SW846 8260B
Vinyl chloride	3.5	1.0	ug/L	SW846 8260B
Specific Conductance	740	2.0	umhos/cm	MCAWW 120.1
Total Dissolved Solids	440	10	mg/L	MCAWW 160.1
Biochemical Oxygen Demand (BOD)	5.2	2.0	mg/L	MCAWW 405.1
Chloride	23 J	3.0	mg/L	MCAWW 300.0A
Sulfate	52 Q	25	mg/L	MCAWW 300.0A
Fluoride	0.29 B	1.0	mg/L	MCAWW 300.0A
Nitrate	0.090 B	0.50	mg/L	MCAWW 300.0A
Bicarbonate Alkalinity	310	5.0	mg/L	MCAWW 310.1
Total Alkalinity	310	5.0	mg/L	MCAWW 310.1

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EXECUTIVE SUMMARY - Detection Highlights

D4C020141

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
4916L 03/01/04 12:55 004				
Calcium - DISSOLVED	68000 J	200	ug/L	SW846 6010B
Magnesium - DISSOLVED	16000	200	ug/L	SW846 6010B
Sodium - DISSOLVED	37000	5000	ug/L	SW846 6010B
Potassium - DISSOLVED	4500 B	5000	ug/L	SW846 6010B
Manganese	2.3 B	10	ug/L	SW846 6010B
Barium	95 B	100	ug/L	SW846 6010B
Potassium	4100 B	5000	ug/L	SW846 6010B
Beryllium	1.5 B,J	5.0	ug/L	SW846 6010B
Boron	150	100	ug/L	SW846 6010B
Methylene chloride	0.42 J,B	5.0	ug/L	SW846 8260B
Trichloroethene	2.6 J	5.0	ug/L	SW846 8260B
Specific Conductance	630	2.0	umhos/cm	MCAWW 120.1
Total Dissolved Solids	380	10	mg/L	MCAWW 160.1
Chloride	27 J	3.0	mg/L	MCAWW 300.0A
Sulfate	91 Q	25	mg/L	MCAWW 300.0A
Fluoride	0.43 B	1.0	mg/L	MCAWW 300.0A
Nitrate	0.52	0.50	mg/L	MCAWW 300.0A
Total Sulfide	0.32 B	4.0	mg/L	SW846 9030B/9034
Bicarbonate Alkalinity	190	5.0	mg/L	MCAWW 310.1
Total Alkalinity	190	5.0	mg/L	MCAWW 310.1

PREPARATION METHODS SUMMARY

D4C020141

PREPARATION DESCRIPTION	PREPARATION METHOD	ANALYTICAL METHOD
Acid Digestion for Total Recoverable Metals	SW846 3005A	SW846 6010B
Bicarbonate Alkalinity	MCAWW 310.1	MCAWW 310.1
Carbonate Alkalinity	MCAWW 310.1	MCAWW 310.1
Chemical Oxygen Demand	MCAWW 410.4	MCAWW 410.4
Chloride	MCAWW 300.0A	MCAWW 300.0A
Continuous Liquid-Liquid Extraction	SW846 3520C	SW846 8270C
Distillation procedure	SW846 9012A	SW846 9012A
Filterable Residue (TDS)	MCAWW 160.1	MCAWW 160.1
Fluoride	MCAWW 300.0A	MCAWW 300.0A
Incubation	MCAWW 405.1	MCAWW 405.1
Mercury Sample Preparation	SW846 7470A	SW846 7470A
Nitrate	MCAWW 300.0A	MCAWW 300.0A
Potentiometric titration to preselected pH	MCAWW 310.1	MCAWW 310.1
Specific Conductance	MCAWW 120.1	MCAWW 120.1
Sulfate	MCAWW 300.0A	MCAWW 300.0A
Sulfides, Total	SW846 9030B/903	SW846 9030B/903
Total Organic Carbon	MCAWW 415.1	MCAWW 415.1
Total Organic Halogens	SW846 9020B	SW846 9020B
25 mL Purge-and-Trap	SW846 5030B/826	SW846 8260B

References:

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

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

ANALYTICAL METHODS SUMMARY

D4C020141

PARAMETER	ANALYTICAL METHOD
Alkalinity	MCAWW 310.1
Bicarbonate Alkalinity	MCAWW 310.1
Biochemical Oxygen Demand	MCAWW 405.1
Carbonate Alkalinity	MCAWW 310.1
Chemical Oxygen Demand	MCAWW 410.4
Chloride	MCAWW 300.0A
Cyanide, Total	SW846 9012A
Filterable Residue (TDS)	MCAWW 160.1
Fluoride	MCAWW 300.0A
Inductively Coupled Plasma (ICP) Metals	SW846 6010B
Mercury in Liquid Waste (Manual Cold-Vapor)	SW846 7470A
Nitrate as N	MCAWW 300.0A
Semivolatile Organic Compounds by GC/MS	SW846 8270C
Specific Conductance	MCAWW 120.1
Sulfate	MCAWW 300.0A
Sulfides, Total 9030B/9034	SW846 9030B/9034
Total Organic Carbon	MCAWW 415.1
Total Organic Halogens	SW846 9020B
Trace Inductively Coupled Plasma (ICP) Metals	SW846 6010B
Volatile Organics by GC/MS	SW846 8260B

References:

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

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

METHOD / ANALYST SUMMARY

D4C020141

ANALYTICAL METHOD	ANALYST	ANALYST ID
MCAWW 120.1	Maria Fayard	002596
MCAWW 160.1	Jean Carrier	008763
MCAWW 300.0A	Andrita Scofield	004409
MCAWW 310.1	Ewa Kudla	001167
MCAWW 405.1	Jaclyn Dlhos	009462
MCAWW 410.4	Nicole Dean	008504
MCAWW 415.1	Duane Allee	001470
SW846 6010B	Kristen Roda	5692
SW846 6010B	Lynn-Anne Trudell	6645
SW846 7470A	Kacey Ono	003371
SW846 8260B	Greg Meier	006004
SW846 8270C	David Kidd	007536
SW846 9012A	Ewa Kudla	001167
SW846 9020B	Duane Allee	001470
SW846 9030B/9034	Dave Elkin	000901

References:

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

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

SAMPLE SUMMARY

D4C020141

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
GAFLG	001	4916H	03/01/04	09:55
GAFLN	002	FIELD BLANK	03/01/04	10:08
GAFLV	003	4916F	03/01/04	10:45
GAFL0	004	4916L	03/01/04	12:55

NOTE(S):

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

WASTE MANAGEMENT INC.

Client Sample ID: 4916H

GC/MS Volatiles

Lot-Sample #...: D4C020141-001 **Work Order #...:** GAFLG1AP **Matrix.....:** WATER
Date Sampled...: 03/01/04 09:55 **Date Received..:** 03/02/04
Prep Date.....: 03/11/04 **Analysis Date..:** 03/12/04
Prep Batch #...: 4073170 **Analysis Time..:** 00:09
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	34	ug/L	2.5
Acrylonitrile	ND	100	ug/L	3.1
Benzene	**0.28 J**	**1.0**	**ug/L**	**0.17**
Bromochloromethane	ND	10	ug/L	0.27
Bromodichloromethane	ND	5.0	ug/L	0.20
Bromoform	ND	5.0	ug/L	0.23
Bromomethane	ND	10	ug/L	0.22
Carbon disulfide	ND	5.0	ug/L	0.24
Carbon tetrachloride	ND	0.50	ug/L	0.20
Chlorobenzene	**0.18 J**	**5.0**	**ug/L**	**0.13**
Dibromochloromethane	ND	5.0	ug/L	0.19
Chloroethane	ND	10	ug/L	0.18
Chloroform	ND	5.0	ug/L	0.17
Chloromethane	ND	10	ug/L	0.91
Dibromomethane	ND	10	ug/L	0.31
1,2-Dichlorobenzene	ND	10	ug/L	0.15
1,4-Dichlorobenzene	ND	10	ug/L	0.16
trans-1,4-Dichloro-2-butene	ND	10	ug/L	0.45
Dichlorodifluoromethane	ND	10	ug/L	0.22
1,1-Dichloroethane	**0.95 J**	**5.0**	**ug/L**	**0.22**
1,2-Dichloroethane	ND	5.0	ug/L	0.26
1,1-Dichloroethene	ND	1.0	ug/L	0.23
cis-1,2-Dichloroethene	**1.3 J**	**10**	**ug/L**	**0.14**
trans-1,2-Dichloroethene	ND	10	ug/L	0.15
1,2-Dichloropropane	**0.35 J**	**5.0**	**ug/L**	**0.18**
cis-1,3-Dichloropropene	ND	5.0	ug/L	0.19
trans-1,3-Dichloropropene	ND	5.0	ug/L	0.20
Ethylbenzene	ND	5.0	ug/L	0.12
Trichlorofluoromethane	ND	10	ug/L	0.24
2-Hexanone	ND	5.0	ug/L	1.7
Iodomethane	ND	10	ug/L	0.19
Methylene chloride	**0.52 J,B**	**5.0**	**ug/L**	**0.21**
4-Methyl-2-pentanone	ND	10	ug/L	0.98
Styrene	ND	5.0	ug/L	0.14
1,1,1,2-Tetrachloroethane	ND	5.0	ug/L	0.21
1,1,2,2-Tetrachloroethane	ND	5.0	ug/L	0.21
Tetrachloroethene	**0.45 J**	**5.0**	**ug/L**	**0.26**

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WASTE MANAGEMENT INC.

Client Sample ID: 4916H

GC/MS Volatiles

Lot-Sample #...: D4C020141-001 **Work Order #...:** GAFLG1AP **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Toluene	ND	1.0	ug/L	0.15
1,1,1-Trichloroethane	ND	5.0	ug/L	0.16
1,1,2-Trichloroethane	ND	5.0	ug/L	0.27
Trichloroethene	**0.19 J**	**5.0**	**ug/L**	**0.16**
1,2,3-Trichloropropane	ND	10	ug/L	0.33
Vinyl acetate	ND	10	ug/L	0.56
Vinyl chloride	**2.6**	**1.0**	**ug/L**	**0.19**
Xylenes (total)	ND	10	ug/L	0.41
1,2-Dibromo-3-chloropropane (DBCP)	ND	10	ug/L	0.47
1,2-Dibromoethane (EDB)	ND	1.0	ug/L	0.18
2-Butanone (MEK)	ND	10	ug/L	2.0

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	101	(76 - 116)
1,2-Dichloroethane-d4	93	(59 - 129)
4-Bromofluorobenzene	91	(74 - 114)
Toluene-d8	93	(76 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

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

WASTE MANAGEMENT INC.

Client Sample ID: FIELD BLANK

GC/MS Volatiles

Lot-Sample #...: D4C020141-002 **Work Order #...:** GAFLN1AA **Matrix.....:** WATER
Date Sampled...: 03/01/04 10:08 **Date Received..:** 03/02/04
Prep Date.....: 03/11/04 **Analysis Date..:** 03/12/04
Prep Batch #...: 4073170 **Analysis Time..:** 00:33
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acrylonitrile	ND	100	ug/L	3.1
Benzene	ND	1.0	ug/L	0.17
Bromochloromethane	ND	10	ug/L	0.27
Bromodichloromethane	ND	5.0	ug/L	0.20
Bromoform	ND	5.0	ug/L	0.23
Bromomethane	ND	10	ug/L	0.22
Acetone	ND	34	ug/L	2.5
Carbon disulfide	ND	5.0	ug/L	0.24
Carbon tetrachloride	ND	0.50	ug/L	0.20
Chlorobenzene	ND	5.0	ug/L	0.13
Dibromochloromethane	ND	5.0	ug/L	0.19
Chloroethane	ND	10	ug/L	0.18
Chloroform	ND	5.0	ug/L	0.17
Chloromethane	ND	10	ug/L	0.91
Dibromomethane	ND	10	ug/L	0.31
1,2-Dichlorobenzene	ND	10	ug/L	0.15
1,4-Dichlorobenzene	ND	10	ug/L	0.16
trans-1,4-Dichloro-2-butene	ND	10	ug/L	0.45
Dichlorodifluoromethane	ND	10	ug/L	0.22
1,1-Dichloroethane	ND	5.0	ug/L	0.22
1,2-Dichloroethane	ND	5.0	ug/L	0.26
1,1-Dichloroethene	ND	1.0	ug/L	0.23
cis-1,2-Dichloroethene	ND	10	ug/L	0.14
trans-1,2-Dichloroethene	ND	10	ug/L	0.15
1,2-Dichloropropane	ND	5.0	ug/L	0.18
cis-1,3-Dichloropropene	ND	5.0	ug/L	0.19
trans-1,3-Dichloropropene	ND	5.0	ug/L	0.20
Ethylbenzene	ND	5.0	ug/L	0.12
Trichlorofluoromethane	ND	10	ug/L	0.24
2-Hexanone	ND	5.0	ug/L	1.7
Iodomethane	ND	10	ug/L	0.19
Methylene chloride	**0.43 J,B**	**5.0**	**ug/L**	**0.21**
4-Methyl-2-pentanone	ND	10	ug/L	0.98
Styrene	ND	5.0	ug/L	0.14
1,1,1,2-Tetrachloroethane	ND	5.0	ug/L	0.21
1,1,2,2-Tetrachloroethane	ND	5.0	ug/L	0.21
Tetrachloroethene	ND	5.0	ug/L	0.26

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WASTE MANAGEMENT INC.

Client Sample ID: FIELD BLANK

GC/MS Volatiles

Lot-Sample #...: D4C020141-002 **Work Order #...:** GAFLN1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Toluene	ND	1.0	ug/L	0.15
1,1,1-Trichloroethane	ND	5.0	ug/L	0.16
1,1,2-Trichloroethane	ND	5.0	ug/L	0.27
Trichloroethene	ND	5.0	ug/L	0.16
1,2,3-Trichloropropane	ND	10	ug/L	0.33
Vinyl acetate	ND	10	ug/L	0.56
Vinyl chloride	ND	1.0	ug/L	0.19
Xylenes (total)	ND	10	ug/L	0.41
1,2-Dibromo-3-chloropropane (DBCP)	ND	10	ug/L	0.47
1,2-Dibromoethane (EDB)	ND	1.0	ug/L	0.18
2-Butanone (MEK)	ND	10	ug/L	2.0

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	91	(76 - 116)
1,2-Dichloroethane-d4	87	(59 - 129)
4-Bromofluorobenzene	92	(74 - 114)
Toluene-d8	87	(76 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

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

WASTE MANAGEMENT INC.

Client Sample ID: 4916F

GC/MS Volatiles

Lot-Sample #...: D4C020141-003 **Work Order #...:** GAFLV1AP **Matrix.....:** WATER
Date Sampled...: 03/01/04 10:45 **Date Received..:** 03/02/04
Prep Date.....: 03/11/04 **Analysis Date..:** 03/12/04
Prep Batch #...: 4073170 **Analysis Time..:** 00:56
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	34	ug/L	2.5
Acrylonitrile	ND	100	ug/L	3.1
Benzene	**0.34 J**	**1.0**	**ug/L**	**0.17**
Bromochloromethane	ND	10	ug/L	0.27
Bromodichloromethane	ND	5.0	ug/L	0.20
Bromoform	ND	5.0	ug/L	0.23
Bromomethane	ND	10	ug/L	0.22
Carbon disulfide	ND	5.0	ug/L	0.24
Carbon tetrachloride	ND	0.50	ug/L	0.20
Chlorobenzene	**0.18 J**	**5.0**	**ug/L**	**0.13**
Dibromochloromethane	ND	5.0	ug/L	0.19
Chloroethane	ND	10	ug/L	0.18
Chloroform	ND	5.0	ug/L	0.17
Chloromethane	ND	10	ug/L	0.91
Dibromomethane	ND	10	ug/L	0.31
1,2-Dichlorobenzene	ND	10	ug/L	0.15
1,4-Dichlorobenzene	ND	10	ug/L	0.16
trans-1,4-Dichloro-2-butene	ND	10	ug/L	0.45
Dichlorodifluoromethane	ND	10	ug/L	0.22
1,1-Dichloroethane	**0.93 J**	**5.0**	**ug/L**	**0.22**
1,2-Dichloroethane	ND	5.0	ug/L	0.26
1,1-Dichloroethene	ND	1.0	ug/L	0.23
cis-1,2-Dichloroethene	**1.2 J**	**10**	**ug/L**	**0.14**
trans-1,2-Dichloroethene	ND	10	ug/L	0.15
1,2-Dichloropropane	**0.33 J**	**5.0**	**ug/L**	**0.18**
cis-1,3-Dichloropropene	ND	5.0	ug/L	0.19
trans-1,3-Dichloropropene	ND	5.0	ug/L	0.20
Ethylbenzene	ND	5.0	ug/L	0.12
Trichlorofluoromethane	ND	10	ug/L	0.24
2-Hexanone	ND	5.0	ug/L	1.7
Iodomethane	ND	10	ug/L	0.19
Methylene chloride	**0.49 J,B**	**5.0**	**ug/L**	**0.21**
4-Methyl-2-pentanone	ND	10	ug/L	0.98
Styrene	ND	5.0	ug/L	0.14
1,1,1,2-Tetrachloroethane	ND	5.0	ug/L	0.21
1,1,2,2-Tetrachloroethane	ND	5.0	ug/L	0.21
Tetrachloroethene	**0.44 J**	**5.0**	**ug/L**	**0.26**

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WASTE MANAGEMENT INC.

Client Sample ID: 4916F

GC/MS Volatiles

Lot-Sample #...: D4C020141-003 **Work Order #...:** GAFLV1AP **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Toluene	ND	1.0	ug/L	0.15
1,1,1-Trichloroethane	ND	5.0	ug/L	0.16
1,1,2-Trichloroethane	ND	5.0	ug/L	0.27
Trichloroethene	**0.18 J**	**5.0**	**ug/L**	**0.16**
1,2,3-Trichloropropane	ND	10	ug/L	0.33
Vinyl acetate	ND	10	ug/L	0.56
Vinyl chloride	**3.5**	**1.0**	**ug/L**	**0.19**
Xylenes (total)	ND	10	ug/L	0.41
1,2-Dibromo-3-chloropropane (DBCP)	ND	10	ug/L	0.47
1,2-Dibromoethane (EDB)	ND	1.0	ug/L	0.18
2-Butanone (MEK)	ND	10	ug/L	2.0

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	94	(76 - 116)
1,2-Dichloroethane-d4	90	(59 - 129)
4-Bromofluorobenzene	88	(74 - 114)
Toluene-d8	88	(76 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

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

WASTE MANAGEMENT INC.

Client Sample ID: 4916L

GC/MS Volatiles

Lot-Sample #...: D4C020141-004 **Work Order #...:** GAFL01AR **Matrix.....:** WATER
Date Sampled...: 03/01/04 12:55 **Date Received..:** 03/02/04
Prep Date.....: 03/11/04 **Analysis Date..:** 03/12/04
Prep Batch #...: 4073170 **Analysis Time..:** 01:20
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	34	ug/L	2.5
Acrylonitrile	ND	100	ug/L	3.1
Benzene	ND	1.0	ug/L	0.17
Bromochloromethane	ND	10	ug/L	0.27
Bromodichloromethane	ND	5.0	ug/L	0.20
Bromoform	ND	5.0	ug/L	0.23
Bromomethane	ND	10	ug/L	0.22
Carbon disulfide	ND	5.0	ug/L	0.24
Carbon tetrachloride	ND	0.50	ug/L	0.20
Chlorobenzene	ND	5.0	ug/L	0.13
Dibromochloromethane	ND	5.0	ug/L	0.19
Chloroethane	ND	10	ug/L	0.18
Chloroform	ND	5.0	ug/L	0.17
Chloromethane	ND	10	ug/L	0.91
Dibromomethane	ND	10	ug/L	0.31
1,2-Dichlorobenzene	ND	10	ug/L	0.15
1,4-Dichlorobenzene	ND	10	ug/L	0.16
trans-1,4-Dichloro-2-butene	ND	10	ug/L	0.45
Dichlorodifluoromethane	ND	10	ug/L	0.22
1,1-Dichloroethane	ND	5.0	ug/L	0.22
1,2-Dichloroethane	ND	5.0	ug/L	0.26
1,1-Dichloroethene	ND	1.0	ug/L	0.23
cis-1,2-Dichloroethene	ND	10	ug/L	0.14
trans-1,2-Dichloroethene	ND	10	ug/L	0.15
1,2-Dichloropropane	ND	5.0	ug/L	0.18
cis-1,3-Dichloropropene	ND	5.0	ug/L	0.19
trans-1,3-Dichloropropene	ND	5.0	ug/L	0.20
Ethylbenzene	ND	5.0	ug/L	0.12
Trichlorofluoromethane	ND	10	ug/L	0.24
2-Hexanone	ND	5.0	ug/L	1.7
Iodomethane	ND	10	ug/L	0.19
Methylene chloride	**0.42 J,B**	**5.0**	**ug/L**	**0.21**
4-Methyl-2-pentanone	ND	10	ug/L	0.98
Styrene	ND	5.0	ug/L	0.14
1,1,1,2-Tetrachloroethane	ND	5.0	ug/L	0.21
1,1,2,2-Tetrachloroethane	ND	5.0	ug/L	0.21
Tetrachloroethene	ND	5.0	ug/L	0.26

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WASTE MANAGEMENT INC.

Client Sample ID: 4916L

GC/MS Volatiles

Lot-Sample #...: D4C020141-004 **Work Order #...:** GAFL01AR **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Toluene	ND	1.0	ug/L	0.15
1,1,1-Trichloroethane	ND	5.0	ug/L	0.16
1,1,2-Trichloroethane	ND	5.0	ug/L	0.27
Trichloroethene	**2.6 J**	**5.0**	**ug/L**	**0.16**
1,2,3-Trichloropropane	ND	10	ug/L	0.33
Vinyl acetate	ND	10	ug/L	0.56
Vinyl chloride	ND	1.0	ug/L	0.19
Xylenes (total)	ND	10	ug/L	0.41
1,2-Dibromo-3-chloropropane (DBCP)	ND	10	ug/L	0.47
1,2-Dibromoethane (EDB)	ND	1.0	ug/L	0.18
2-Butanone (MEK)	ND	10	ug/L	2.0

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	91	(76 - 116)
1,2-Dichloroethane-d4	88	(59 - 129)
4-Bromofluorobenzene	95	(74 - 114)
Toluene-d8	94	(76 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

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

WASTE MANAGEMENT INC.

Client Sample ID: 4916H

GC/MS Semivolatiles

Lot-Sample #...: D4C020141-001 **Work Order #...:** GAFLG1A5 **Matrix.....:** WATER
Date Sampled...: 03/01/04 09:55 **Date Received..:** 03/02/04
Prep Date.....: 03/03/04 **Analysis Date..:** 03/05/04
Prep Batch #...: 4063219 **Analysis Time..:** 21:41
Dilution Factor: 1

Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acenaphthene	ND	10	ug/L	0.60
Acenaphthylene	ND	10	ug/L	0.60
Acetophenone	ND	10	ug/L	2.0
2-Acetylaminofluorene	ND	100	ug/L	2.0
4-Aminobiphenyl	ND	50	ug/L	2.0
Anthracene	ND	10	ug/L	3.0
Benzo(a)anthracene	ND	10	ug/L	0.80
Benzo(b)fluoranthene	ND	10	ug/L	0.90
Benzo(k)fluoranthene	ND	10	ug/L	2.0
Benzo(ghi)perylene	ND	10	ug/L	1.0
Benzo(a)pyrene	ND	10	ug/L	0.80
Benzyl alcohol	ND	10	ug/L	1.0
bis(2-Chloroethoxy) methane	ND	10	ug/L	0.90
bis(2-Chloroethyl)-ether	ND	10	ug/L	3.0
bis(2-Ethylhexyl) phthalate	**13**	**10**	**ug/L**	**0.90**
4-Bromophenyl phenyl ether	ND	10	ug/L	0.70
Butyl benzyl phthalate	ND	10	ug/L	1.0
4-Chloroaniline	ND	10	ug/L	3.0
Chlorobenzilate	ND	10	ug/L	2.0
4-Chloro-3-methylphenol	ND	10	ug/L	0.80
2-Chloronaphthalene	ND	10	ug/L	0.70
2-Chlorophenol	ND	10	ug/L	0.80
4-Chlorophenyl phenyl ether	ND	10	ug/L	0.60
Chrysene	ND	10	ug/L	0.80
Diallate	ND	20	ug/L	2.0
Dibenz(a,h)anthracene	ND	10	ug/L	0.90
Dibenzofuran	ND	10	ug/L	0.60
Di-n-butyl phthalate	ND	10	ug/L	0.80
3,3'-Dichlorobenzidine	ND	50	ug/L	8.0
2,4-Dichlorophenol	ND	10	ug/L	0.70
2,6-Dichlorophenol	ND	10	ug/L	2.0
Diethyl phthalate	ND	10	ug/L	0.70
Dimethoate	ND	20	ug/L	2.0

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WASTE MANAGEMENT INC.

Client Sample ID: 4916H

GC/MS Semivolatiles

Lot-Sample #...: D4C020141-001 **Work Order #...:** GAFLG1A5 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
4-Dimethylaminoazobenzene	ND	20	ug/L	2.0
7,12-Dimethylbenz(a)-anthracene	ND	20	ug/L	3.0
3,3'-Dimethylbenzidine	ND	20	ug/L	4.0
2,4-Dimethylphenol	ND	10	ug/L	4.0
Dimethyl phthalate	ND	10	ug/L	0.80
1,3-Dinitrobenzene	ND	10	ug/L	2.0
4,6-Dinitro-2-methylphenol	ND	50	ug/L	6.0
2,4-Dinitrophenol	ND	50	ug/L	6.0
2,4-Dinitrotoluene	ND	10	ug/L	1.0
2,6-Dinitrotoluene	ND	10	ug/L	0.80
Dinoseb	ND	10	ug/L	2.0
Di-n-octyl phthalate	ND	10	ug/L	1.0
Diphenylamine	ND	10	ug/L	2.0
Disulfoton	ND	50	ug/L	2.0
Ethyl methanesulfonate	ND	10	ug/L	2.0
Famphur	ND	200	ug/L	9.0
Fluoranthene	ND	10	ug/L	0.70
Fluorene	ND	10	ug/L	0.60
Hexachlorobenzene	ND	10	ug/L	0.80
Hexachlorobutadiene	ND	10	ug/L	1.0
Hexachlorocyclopenta-diene	ND	50	ug/L	5.0
Hexachloroethane	ND	10	ug/L	0.80
Hexachloropropene	ND	100	ug/L	1.0
Indeno(1,2,3-cd)pyrene	ND	10	ug/L	0.80
Isodrin	ND	10	ug/L	5.0
Isophorone	ND	10	ug/L	0.90
Isosafrole	ND	20	ug/L	3.0
Methapyrilene	ND	50	ug/L	20
3-Methylcholanthrene	ND	20	ug/L	1.0
Methyl methanesulfonate	ND	10	ug/L	2.0
2-Methylnaphthalene	ND	10	ug/L	0.80
Methyl parathion	ND	50	ug/L	2.0
2-Methylphenol	ND	10	ug/L	0.90
3-Methylphenol & 4-Methylphenol	ND	10	ug/L	0.80
Naphthalene	ND	10	ug/L	0.80
1,4-Naphthoquinone	ND	50	ug/L	2.0
1-Naphthylamine	ND	10	ug/L	1.0
2-Naphthylamine	ND	10	ug/L	1.0
2-Nitroaniline	ND	50	ug/L	0.90

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WASTE MANAGEMENT INC.

Client Sample ID: 4916H

GC/MS Semivolatiles

Lot-Sample #...: D4C020141-001 **Work Order #...:** GAFLG1A5 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
3-Nitroaniline	ND	50	ug/L	0.90
4-Nitroaniline	ND	50	ug/L	6.0
Nitrobenzene	ND	10	ug/L	2.0
2-Nitrophenol	ND	10	ug/L	0.80
4-Nitrophenol	ND	50	ug/L	7.0
N-Nitrosodi-n-butylamine	ND	10	ug/L	2.0
N-Nitrosodiethylamine	ND	10	ug/L	2.0
N-Nitrosodimethylamine	ND	10	ug/L	0.80
N-Nitrosodiphenylamine	ND	10	ug/L	1.0
N-Nitrosodi-n-propyl-amine	ND	10	ug/L	0.70
N-Nitrosomethylethylamine	ND	10	ug/L	2.0
N-Nitrosopiperidine	ND	10	ug/L	2.0
N-Nitrosopyrrolidine	ND	10	ug/L	2.0
5-Nitro-o-toluidine	ND	20	ug/L	2.0
2,2'-oxybis(1-Chloropropane)	ND	10	ug/L	0.70
Parathion	ND	50	ug/L	2.0
Pentachlorobenzene	ND	10	ug/L	2.0
Pentachloronitrobenzene	ND	50	ug/L	2.0
Pentachlorophenol	ND	50	ug/L	5.0
Phenacetin	ND	20	ug/L	2.0
Phenanthrene	ND	10	ug/L	0.70
Phenol	ND	10	ug/L	0.90
4-Phenylenediamine	ND	100	ug/L	5.0
Phorate	ND	50	ug/L	2.0
Pronamide	ND	20	ug/L	2.0
Pyrene	ND	10	ug/L	0.80
Safrole	ND	50	ug/L	2.0
1,2,4,5-Tetrachloro-benzene	ND	10	ug/L	2.0
2,3,4,6-Tetrachlorophenol	ND	50	ug/L	2.0
Thionazin	ND	10	ug/L	2.0
o-Toluidine	ND	10	ug/L	2.0
1,2,4-Trichloro-benzene	ND	10	ug/L	0.90
2,4,5-Trichloro-phenol	ND	10	ug/L	1.0
2,4,6-Trichloro-phenol	ND	10	ug/L	0.80
O,O,O-Triethylphosphoro-thioate	ND	50	ug/L	2.0
1,3,5-Trinitrobenzene	ND	50	ug/L	2.0

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WASTE MANAGEMENT INC.

Client Sample ID: 4916H

GC/MS Semivolatiles

Lot-Sample #...: D4C020141-001 **Work Order #...:** GAFLG1A5 **Matrix.....:** WATER

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	81	(32 - 116)
Phenol-d5	87	(40 - 111)
Nitrobenzene-d5	90	(53 - 107)
2-Fluorobiphenyl	73	(31 - 105)
2,4,6-Tribromophenol	78	(42 - 122)
Terphenyl-d14	98	(21 - 125)

WASTE MANAGEMENT INC.

Client Sample ID: 4916F

GC/MS Semivolatiles

Lot-Sample #...: D4C020141-003 **Work Order #...:** GAFLV1A5 **Matrix.....:** WATER
Date Sampled...: 03/01/04 10:45 **Date Received..:** 03/02/04
Prep Date.....: 03/03/04 **Analysis Date..:** 03/05/04
Prep Batch #...: 4063219 **Analysis Time..:** 22:07
Dilution Factor: 1

Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acenaphthene	ND	10	ug/L	0.60
Acenaphthylene	ND	10	ug/L	0.60
Acetophenone	ND	10	ug/L	2.0
2-Acetylaminofluorene	ND	100	ug/L	2.0
4-Aminobiphenyl	ND	50	ug/L	2.0
Anthracene	ND	10	ug/L	3.0
Benzo(a)anthracene	ND	10	ug/L	0.80
Benzo(b)fluoranthene	ND	10	ug/L	0.90
Benzo(k)fluoranthene	ND	10	ug/L	2.0
Benzo(ghi)perylene	ND	10	ug/L	1.0
Benzo(a)pyrene	ND	10	ug/L	0.80
Benzyl alcohol	ND	10	ug/L	1.0
bis(2-Chloroethoxy) methane	ND	10	ug/L	0.90
bis(2-Chloroethyl)-ether	ND	10	ug/L	3.0
bis(2-Ethylhexyl) phthalate	ND	10	ug/L	0.90
4-Bromophenyl phenyl ether	ND	10	ug/L	0.70
Butyl benzyl phthalate	ND	10	ug/L	1.0
4-Chloroaniline	ND	10	ug/L	3.0
Chlorobenzilate	ND	10	ug/L	2.0
4-Chloro-3-methylphenol	ND	10	ug/L	0.80
2-Chloronaphthalene	ND	10	ug/L	0.70
2-Chlorophenol	ND	10	ug/L	0.80
4-Chlorophenyl phenyl ether	ND	10	ug/L	0.60
Chrysene	ND	10	ug/L	0.80
Diallate	ND	20	ug/L	2.0
Dibenz(a,h)anthracene	ND	10	ug/L	0.90
Dibenzofuran	ND	10	ug/L	0.60
Di-n-butyl phthalate	ND	10	ug/L	0.80
3,3'-Dichlorobenzidine	ND	50	ug/L	8.0
2,4-Dichlorophenol	ND	10	ug/L	0.70
2,6-Dichlorophenol	ND	10	ug/L	2.0
Diethyl phthalate	ND	10	ug/L	0.70
Dimethoate	ND	20	ug/L	2.0

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WASTE MANAGEMENT INC.

Client Sample ID: 4916F

GC/MS Semivolatiles

Lot-Sample #...: D4C020141-003 **Work Order #...:** GAFLV1A5 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
4-Dimethylaminoazobenzene	ND	20	ug/L	2.0
7,12-Dimethylbenz(a)-anthracene	ND	20	ug/L	3.0
3,3'-Dimethylbenzidine	ND	20	ug/L	4.0
2,4-Dimethylphenol	ND	10	ug/L	4.0
Dimethyl phthalate	ND	10	ug/L	0.80
1,3-Dinitrobenzene	ND	10	ug/L	2.0
4,6-Dinitro-2-methylphenol	ND	50	ug/L	6.0
2,4-Dinitrophenol	ND	50	ug/L	6.0
2,4-Dinitrotoluene	ND	10	ug/L	1.0
2,6-Dinitrotoluene	ND	10	ug/L	0.80
Dinoseb	ND	10	ug/L	2.0
Di-n-octyl phthalate	ND	10	ug/L	1.0
Diphenylamine	ND	10	ug/L	2.0
Disulfoton	ND	50	ug/L	2.0
Ethyl methanesulfonate	ND	10	ug/L	2.0
Famphur	ND	200	ug/L	9.0
Fluoranthene	ND	10	ug/L	0.70
Fluorene	ND	10	ug/L	0.60
Hexachlorobenzene	ND	10	ug/L	0.80
Hexachlorobutadiene	ND	10	ug/L	1.0
Hexachlorocyclopenta-diene	ND	50	ug/L	5.0
Hexachloroethane	ND	10	ug/L	0.80
Hexachloropropene	ND	100	ug/L	1.0
Indeno(1,2,3-cd)pyrene	ND	10	ug/L	0.80
Isodrin	ND	10	ug/L	5.0
Isophorone	ND	10	ug/L	0.90
Isosafrole	ND	20	ug/L	3.0
Methapyrilene	ND	50	ug/L	20
3-Methylcholanthrene	ND	20	ug/L	1.0
Methyl methanesulfonate	ND	10	ug/L	2.0
2-Methylnaphthalene	ND	10	ug/L	0.80
Methyl parathion	ND	50	ug/L	2.0
2-Methylphenol	ND	10	ug/L	0.90
3-Methylphenol & 4-Methylphenol	ND	10	ug/L	0.80
Naphthalene	ND	10	ug/L	0.80
1,4-Naphthoquinone	ND	50	ug/L	2.0
1-Naphthylamine	ND	10	ug/L	1.0
2-Naphthylamine	ND	10	ug/L	1.0
2-Nitroaniline	ND	50	ug/L	0.90

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WASTE MANAGEMENT INC.

Client Sample ID: 4916F

GC/MS Semivolatiles

Lot-Sample #...: D4C020141-003 **Work Order #...:** GAFLV1A5 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
3-Nitroaniline	ND	50	ug/L	0.90
4-Nitroaniline	ND	50	ug/L	6.0
Nitrobenzene	ND	10	ug/L	2.0
2-Nitrophenol	ND	10	ug/L	0.80
4-Nitrophenol	ND	50	ug/L	7.0
N-Nitrosodi-n-butylamine	ND	10	ug/L	2.0
N-Nitrosodiethylamine	ND	10	ug/L	2.0
N-Nitrosodimethylamine	ND	10	ug/L	0.80
N-Nitrosodiphenylamine	ND	10	ug/L	1.0
N-Nitrosodi-n-propyl-amine	ND	10	ug/L	0.70
N-Nitrosomethylethylamine	ND	10	ug/L	2.0
N-Nitrosopiperidine	ND	10	ug/L	2.0
N-Nitrosopyrrolidine	ND	10	ug/L	2.0
5-Nitro-o-toluidine	ND	20	ug/L	2.0
2,2'-oxybis(1-Chloropropane)	ND	10	ug/L	0.70
Parathion	ND	50	ug/L	2.0
Pentachlorobenzene	ND	10	ug/L	2.0
Pentachloronitrobenzene	ND	50	ug/L	2.0
Pentachlorophenol	ND	50	ug/L	5.0
Phenacetin	ND	20	ug/L	2.0
Phenanthrene	ND	10	ug/L	0.70
Phenol	ND	10	ug/L	0.90
4-Phenylenediamine	ND	100	ug/L	5.0
Phorate	ND	50	ug/L	2.0
Pronamide	ND	20	ug/L	2.0
Pyrene	ND	10	ug/L	0.80
Safrole	ND	50	ug/L	2.0
1,2,4,5-Tetrachloro-benzene	ND	10	ug/L	2.0
2,3,4,6-Tetrachlorophenol	ND	50	ug/L	2.0
Thionazin	ND	10	ug/L	2.0
o-Toluidine	ND	10	ug/L	2.0
1,2,4-Trichloro-benzene	ND	10	ug/L	0.90
2,4,5-Trichloro-phenol	ND	10	ug/L	1.0
2,4,6-Trichloro-phenol	ND	10	ug/L	0.80
O,O,O-Triethylphosphoro-thioate	ND	50	ug/L	2.0
1,3,5-Trinitrobenzene	ND	50	ug/L	2.0

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WASTE MANAGEMENT INC.

Client Sample ID: 4916F

GC/MS Semivolatiles

Lot-Sample #...: D4C020141-003 **Work Order #...:** GAFLV1A5 **Matrix.....:** WATER

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	91	(32 - 116)
Phenol-d5	97	(40 - 111)
Nitrobenzene-d5	100	(53 - 107)
2-Fluorobiphenyl	80	(31 - 105)
2,4,6-Tribromophenol	83	(42 - 122)
Terphenyl-d14	99	(21 - 125)

WASTE MANAGEMENT INC.

Client Sample ID: 4916L

GC/MS Semivolatiles

Lot-Sample #...: D4C020141-004 **Work Order #...:** GAFL01A5 **Matrix.....:** WATER
Date Sampled...: 03/01/04 12:55 **Date Received..:** 03/02/04
Prep Date.....: 03/03/04 **Analysis Date..:** 03/05/04
Prep Batch #...: 4063219 **Analysis Time..:** 22:34
Dilution Factor: 1

Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acenaphthene	ND	10	ug/L	0.60
Acenaphthylene	ND	10	ug/L	0.60
Acetophenone	ND	10	ug/L	2.0
2-Acetylaminofluorene	ND	100	ug/L	2.0
4-Aminobiphenyl	ND	50	ug/L	2.0
Anthracene	ND	10	ug/L	3.0
Benzo(a)anthracene	ND	10	ug/L	0.80
Benzo(b)fluoranthene	ND	10	ug/L	0.90
Benzo(k)fluoranthene	ND	10	ug/L	2.0
Benzo(ghi)perylene	ND	10	ug/L	1.0
Benzo(a)pyrene	ND	10	ug/L	0.80
Benzyl alcohol	ND	10	ug/L	1.0
bis(2-Chloroethoxy) methane	ND	10	ug/L	0.90
bis(2-Chloroethyl)-ether	ND	10	ug/L	3.0
bis(2-Ethylhexyl) phthalate	ND	10	ug/L	0.90
4-Bromophenyl phenyl ether	ND	10	ug/L	0.70
Butyl benzyl phthalate	ND	10	ug/L	1.0
4-Chloroaniline	ND	10	ug/L	3.0
Chlorobenzilate	ND	10	ug/L	2.0
4-Chloro-3-methylphenol	ND	10	ug/L	0.80
2-Chloronaphthalene	ND	10	ug/L	0.70
2-Chlorophenol	ND	10	ug/L	0.80
4-Chlorophenyl phenyl ether	ND	10	ug/L	0.60
Chrysene	ND	10	ug/L	0.80
Diallate	ND	20	ug/L	2.0
Dibenz(a,h)anthracene	ND	10	ug/L	0.90
Dibenzofuran	ND	10	ug/L	0.60
Di-n-butyl phthalate	ND	10	ug/L	0.80
3,3'-Dichlorobenzidine	ND	50	ug/L	8.0
2,4-Dichlorophenol	ND	10	ug/L	0.70
2,6-Dichlorophenol	ND	10	ug/L	2.0
Diethyl phthalate	ND	10	ug/L	0.70
Dimethoate	ND	20	ug/L	2.0

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WASTE MANAGEMENT INC.

Client Sample ID: 4916L

GC/MS Semivolatiles

Lot-Sample #...: D4C020141-004 **Work Order #...:** GAFL01A5 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
4-Dimethylaminoazobenzene	ND	20	ug/L	2.0
7,12-Dimethylbenz(a)-anthracene	ND	20	ug/L	3.0
3,3'-Dimethylbenzidine	ND	20	ug/L	4.0
2,4-Dimethylphenol	ND	10	ug/L	4.0
Dimethyl phthalate	ND	10	ug/L	0.80
1,3-Dinitrobenzene	ND	10	ug/L	2.0
4,6-Dinitro-2-methylphenol	ND	50	ug/L	6.0
2,4-Dinitrophenol	ND	50	ug/L	6.0
2,4-Dinitrotoluene	ND	10	ug/L	1.0
2,6-Dinitrotoluene	ND	10	ug/L	0.80
Dinoseb	ND	10	ug/L	2.0
Di-n-octyl phthalate	ND	10	ug/L	1.0
Diphenylamine	ND	10	ug/L	2.0
Disulfoton	ND	50	ug/L	2.0
Ethyl methanesulfonate	ND	10	ug/L	2.0
Famphur	ND	200	ug/L	9.0
Fluoranthene	ND	10	ug/L	0.70
Fluorene	ND	10	ug/L	0.60
Hexachlorobenzene	ND	10	ug/L	0.80
Hexachlorobutadiene	ND	10	ug/L	1.0
Hexachlorocyclopenta-diene	ND	50	ug/L	5.0
Hexachloroethane	ND	10	ug/L	0.80
Hexachloropropene	ND	100	ug/L	1.0
Indeno(1,2,3-cd)pyrene	ND	10	ug/L	0.80
Isodrin	ND	10	ug/L	5.0
Isophorone	ND	10	ug/L	0.90
Isosafrole	ND	20	ug/L	3.0
Methapyrilene	ND	50	ug/L	20
3-Methylcholanthrene	ND	20	ug/L	1.0
Methyl methanesulfonate	ND	10	ug/L	2.0
2-Methylnaphthalene	ND	10	ug/L	0.80
Methyl parathion	ND	50	ug/L	2.0
2-Methylphenol	ND	10	ug/L	0.90
3-Methylphenol & 4-Methylphenol	ND	10	ug/L	0.80
Naphthalene	ND	10	ug/L	0.80
1,4-Naphthoquinone	ND	50	ug/L	2.0
1-Naphthylamine	ND	10	ug/L	1.0
2-Naphthylamine	ND	10	ug/L	1.0
2-Nitroaniline	ND	50	ug/L	0.90

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WASTE MANAGEMENT INC.

Client Sample ID: 4916L

GC/MS Semivolatiles

Lot-Sample #...: D4C020141-004 **Work Order #...:** GAFL01A5 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
3-Nitroaniline	ND	50	ug/L	0.90
4-Nitroaniline	ND	50	ug/L	6.0
Nitrobenzene	ND	10	ug/L	2.0
2-Nitrophenol	ND	10	ug/L	0.80
4-Nitrophenol	ND	50	ug/L	7.0
N-Nitrosodi-n-butylamine	ND	10	ug/L	2.0
N-Nitrosodiethylamine	ND	10	ug/L	2.0
N-Nitrosodimethylamine	ND	10	ug/L	0.80
N-Nitrosodiphenylamine	ND	10	ug/L	1.0
N-Nitrosodi-n-propyl-amine	ND	10	ug/L	0.70
N-Nitrosomethylethylamine	ND	10	ug/L	2.0
N-Nitrosopiperidine	ND	10	ug/L	2.0
N-Nitrosopyrrolidine	ND	10	ug/L	2.0
5-Nitro-o-toluidine	ND	20	ug/L	2.0
2,2'-oxybis(1-Chloropropane)	ND	10	ug/L	0.70
Parathion	ND	50	ug/L	2.0
Pentachlorobenzene	ND	10	ug/L	2.0
Pentachloronitrobenzene	ND	50	ug/L	2.0
Pentachlorophenol	ND	50	ug/L	5.0
Phenacetin	ND	20	ug/L	2.0
Phenanthrene	ND	10	ug/L	0.70
Phenol	ND	10	ug/L	0.90
4-Phenylenediamine	ND	100	ug/L	5.0
Phorate	ND	50	ug/L	2.0
Pronamide	ND	20	ug/L	2.0
Pyrene	ND	10	ug/L	0.80
Safrole	ND	50	ug/L	2.0
1,2,4,5-Tetrachloro-benzene	ND	10	ug/L	2.0
2,3,4,6-Tetrachlorophenol	ND	50	ug/L	2.0
Thionazin	ND	10	ug/L	2.0
o-Toluidine	ND	10	ug/L	2.0
1,2,4-Trichloro-benzene	ND	10	ug/L	0.90
2,4,5-Trichloro-phenol	ND	10	ug/L	1.0
2,4,6-Trichloro-phenol	ND	10	ug/L	0.80
O,O,O-Triethylphosphoro-thioate	ND	50	ug/L	2.0
1,3,5-Trinitrobenzene	ND	50	ug/L	2.0

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WASTE MANAGEMENT INC.

Client Sample ID: 4916L

GC/MS Semivolatiles

Lot-Sample #...: D4C020141-004 **Work Order #...:** GAFL01A5 **Matrix.....:** WATER

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	86	(32 - 116)
Phenol-d5	88	(40 - 111)
Nitrobenzene-d5	92	(53 - 107)
2-Fluorobiphenyl	69	(31 - 105)
2,4,6-Tribromophenol	82	(42 - 122)
Terphenyl-d14	96	(21 - 125)

WASTE MANAGEMENT INC.

Client Sample ID: 4916H

TOTAL Metals

Lot-Sample #...: D4C020141-001 **Matrix.....:** WATER
Date Sampled...: 03/01/04 09:55 **Date Received..:** 03/02/04

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 4063424						
Mercury	**0.27**	**0.20**	**ug/L**	**SW846 7470A**	**03/08/04**	**GAFLG1CL**
		Dilution Factor: 1		Analysis Time..: 17:40	MDL.....: 0.054	
Prep Batch #...: 4063603						
Manganese	**3200**	**10**	**ug/L**	**SW846 6010B**	**03/04-03/05/04**	**GAFLG1A2**
		Dilution Factor: 1		Analysis Time..: 19:06	MDL.....: 0.54	
Barium	**130**	**100**	**ug/L**	**SW846 6010B**	**03/04-03/05/04**	**GAFLG1A3**
		Dilution Factor: 1		Analysis Time..: 19:06	MDL.....: 0.37	
Potassium	**4400 B**	**5000**	**ug/L**	**SW846 6010B**	**03/04-03/12/04**	**GAFLG1A4**
		Dilution Factor: 1		Analysis Time..: 02:59	MDL.....: 460	
Silver	ND	10	ug/L	SW846 6010B	03/04-03/05/04	GAFLG1A8
		Dilution Factor: 1		Analysis Time..: 19:06	MDL.....: 0.70	
Arsenic	ND	10	ug/L	SW846 6010B	03/04-03/05/04	GAFLG1A9
		Dilution Factor: 1		Analysis Time..: 19:06	MDL.....: 4.9	
Cadmium	**0.27 B**	**5.0**	**ug/L**	**SW846 6010B**	**03/04-03/05/04**	**GAFLG1CA**
		Dilution Factor: 1		Analysis Time..: 19:06	MDL.....: 0.27	
Cobalt	**3.4 B**	**10**	**ug/L**	**SW846 6010B**	**03/04-03/05/04**	**GAFLG1CC**
		Dilution Factor: 1		Analysis Time..: 19:06	MDL.....: 0.67	
Chromium	**7.2 B**	**10**	**ug/L**	**SW846 6010B**	**03/04-03/05/04**	**GAFLG1CD**
		Dilution Factor: 1		Analysis Time..: 19:06	MDL.....: 2.1	
Copper	**1.2 B**	**10**	**ug/L**	**SW846 6010B**	**03/04-03/05/04**	**GAFLG1CE**
		Dilution Factor: 1		Analysis Time..: 19:06	MDL.....: 0.97	
Nickel	**5.0 B**	**40**	**ug/L**	**SW846 6010B**	**03/04-03/05/04**	**GAFLG1CF**
		Dilution Factor: 1		Analysis Time..: 19:06	MDL.....: 4.2	
Lead	ND	3.0	ug/L	SW846 6010B	03/04-03/05/04	GAFLG1CG
		Dilution Factor: 1		Analysis Time..: 19:06	MDL.....: 2.1	
Antimony	ND	10	ug/L	SW846 6010B	03/04-03/05/04	GAFLG1CH
		Dilution Factor: 1		Analysis Time..: 19:06	MDL.....: 3.6	

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WASTE MANAGEMENT INC.

Client Sample ID: 4916H

TOTAL Metals

Lot-Sample #...: D4C020141-001 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Selenium	ND	5.0	ug/L	SW846 6010B	03/04-03/05/04	GAFLG1CJ
		Dilution Factor: 1		Analysis Time..: 19:06	MDL.....: 4.6	
Zinc	ND	20	ug/L	SW846 6010B	03/04-03/05/04	GAFLG1CK
		Dilution Factor: 1		Analysis Time..: 19:06	MDL.....: 7.1	
Beryllium	**1.4 B,J**	**5.0**	**ug/L**	**SW846 6010B**	**03/04-03/05/04**	**GAFLG1CM**
		Dilution Factor: 1		Analysis Time..: 19:06	MDL.....: 0.41	
Boron	**150**	**100**	**ug/L**	**SW846 6010B**	**03/04-03/12/04**	**GAFLG1CN**
		Dilution Factor: 1		Analysis Time..: 02:59	MDL.....: 8.3	

NOTE(S):

B Estimated result. Result is less than RL.

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

WASTE MANAGEMENT INC.

Client Sample ID: 4916H

DISSOLVED Metals

Lot-Sample #...: D4C020141-001 **Matrix.....:** WATER
Date Sampled...: 03/01/04 09:55 **Date Received..:** 03/02/04

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 4063600						
Calcium	**85000 J**	**200**	**ug/L**	**SW846 6010B**	**03/05-03/13/04**	**GAFLG1AQ**
		Dilution Factor: 1		Analysis Time..: 19:00	MDL.....: 76	
Magnesium	**23000**	**200**	**ug/L**	**SW846 6010B**	**03/05-03/13/04**	**GAFLG1AR**
		Dilution Factor: 1		Analysis Time..: 19:00	MDL.....: 27	
Sodium	**27000**	**5000**	**ug/L**	**SW846 6010B**	**03/05-03/13/04**	**GAFLG1AT**
		Dilution Factor: 1		Analysis Time..: 19:00	MDL.....: 1100	
Potassium	**4400 B**	**5000**	**ug/L**	**SW846 6010B**	**03/05-03/13/04**	**GAFLG1AU**
		Dilution Factor: 1		Analysis Time..: 19:00	MDL.....: 460	
Iron	**63 B**	**100**	**ug/L**	**SW846 6010B**	**03/05-03/13/04**	**GAFLG1AX**
		Dilution Factor: 1		Analysis Time..: 19:00	MDL.....: 19	

NOTE(S):

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

B Estimated result. Result is less than RL.

WASTE MANAGEMENT INC.

Client Sample ID: 4916F

TOTAL Metals

Lot-Sample #...: D4C020141-003 **Matrix.....:** WATER
Date Sampled...: 03/01/04 10:45 **Date Received..:** 03/02/04

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 4063424						
Mercury	**0.11 B**	**0.20**	**ug/L**	**SW846 7470A**	**03/08/04**	**GAFLV1CL**
		Dilution Factor: 1		Analysis Time..: 17:41	MDL.....: 0.054	
Prep Batch #...: 4063603						
Manganese	**3800**	**10**	**ug/L**	**SW846 6010B**	**03/04-03/05/04**	**GAFLV1A2**
		Dilution Factor: 1		Analysis Time..: 19:11	MDL.....: 0.54	
Barium	**140**	**100**	**ug/L**	**SW846 6010B**	**03/04-03/05/04**	**GAFLV1A3**
		Dilution Factor: 1		Analysis Time..: 19:11	MDL.....: 0.37	
Potassium	**4300 B**	**5000**	**ug/L**	**SW846 6010B**	**03/04-03/12/04**	**GAFLV1A4**
		Dilution Factor: 1		Analysis Time..: 03:03	MDL.....: 460	
Silver	ND	10	ug/L	SW846 6010B	03/04-03/05/04	GAFLV1A8
		Dilution Factor: 1		Analysis Time..: 19:11	MDL.....: 0.70	
Arsenic	ND	10	ug/L	SW846 6010B	03/04-03/05/04	GAFLV1A9
		Dilution Factor: 1		Analysis Time..: 19:11	MDL.....: 4.9	
Cadmium	**0.29 B**	**5.0**	**ug/L**	**SW846 6010B**	**03/04-03/05/04**	**GAFLV1CA**
		Dilution Factor: 1		Analysis Time..: 19:11	MDL.....: 0.27	
Cobalt	**3.9 B**	**10**	**ug/L**	**SW846 6010B**	**03/04-03/05/04**	**GAFLV1CC**
		Dilution Factor: 1		Analysis Time..: 19:11	MDL.....: 0.67	
Chromium	**13**	**10**	**ug/L**	**SW846 6010B**	**03/04-03/05/04**	**GAFLV1CD**
		Dilution Factor: 1		Analysis Time..: 19:11	MDL.....: 2.1	
Copper	**1.4 B**	**10**	**ug/L**	**SW846 6010B**	**03/04-03/05/04**	**GAFLV1CE**
		Dilution Factor: 1		Analysis Time..: 19:11	MDL.....: 0.97	
Nickel	**7.2 B**	**40**	**ug/L**	**SW846 6010B**	**03/04-03/05/04**	**GAFLV1CF**
		Dilution Factor: 1		Analysis Time..: 19:11	MDL.....: 4.2	
Lead	ND	3.0	ug/L	SW846 6010B	03/04-03/05/04	GAFLV1CG
		Dilution Factor: 1		Analysis Time..: 19:11	MDL.....: 2.1	
Antimony	ND	10	ug/L	SW846 6010B	03/04-03/05/04	GAFLV1CH
		Dilution Factor: 1		Analysis Time..: 19:11	MDL.....: 3.6	

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WASTE MANAGEMENT INC.

Client Sample ID: 4916F

TOTAL Metals

Lot-Sample #...: D4C020141-003 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Selenium	ND	5.0	ug/L	SW846 6010B	03/04-03/05/04	GAFLV1CJ
		Dilution Factor: 1		Analysis Time..: 19:11	MDL.....: 4.6	
Zinc	ND	20	ug/L	SW846 6010B	03/04-03/05/04	GAFLV1CK
		Dilution Factor: 1		Analysis Time..: 19:11	MDL.....: 7.1	
Beryllium	**1.3 B,J**	**5.0**	**ug/L**	**SW846 6010B**	**03/04-03/05/04**	**GAFLV1CM**
		Dilution Factor: 1		Analysis Time..: 19:11	MDL.....: 0.41	
Boron	**150**	**100**	**ug/L**	**SW846 6010B**	**03/04-03/12/04**	**GAFLV1CN**
		Dilution Factor: 1		Analysis Time..: 03:03	MDL.....: 8.3	

NOTE(S):

B Estimated result. Result is less than RL.

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

WASTE MANAGEMENT INC.

Client Sample ID: 4916F

DISSOLVED Metals

Lot-Sample #...: D4C020141-003 **Matrix.....:** WATER
Date Sampled...: 03/01/04 10:45 **Date Received..:** 03/02/04

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 4063600						
Calcium	**90000 J**	**200**	**ug/L**	**SW846 6010B**	**03/05-03/13/04**	**GAFLV1AQ**
		Dilution Factor: 1		Analysis Time..: 19:04	MDL.....: 76	
Magnesium	**25000**	**200**	**ug/L**	**SW846 6010B**	**03/05-03/13/04**	**GAFLV1AR**
		Dilution Factor: 1		Analysis Time..: 19:04	MDL.....: 27	
Sodium	**28000**	**5000**	**ug/L**	**SW846 6010B**	**03/05-03/13/04**	**GAFLV1AT**
		Dilution Factor: 1		Analysis Time..: 19:04	MDL.....: 1100	
Potassium	**4600 B**	**5000**	**ug/L**	**SW846 6010B**	**03/05-03/13/04**	**GAFLV1AU**
		Dilution Factor: 1		Analysis Time..: 19:04	MDL.....: 460	
Iron	**72 B**	**100**	**ug/L**	**SW846 6010B**	**03/05-03/13/04**	**GAFLV1AX**
		Dilution Factor: 1		Analysis Time..: 19:04	MDL.....: 19	

NOTE(S):

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

B Estimated result. Result is less than RL.

WASTE MANAGEMENT INC.

Client Sample ID: 4916L

TOTAL Metals

Lot-Sample #...: D4C020141-004 **Matrix.....:** WATER
Date Sampled...: 03/01/04 12:55 **Date Received..:** 03/02/04

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 4063424						
Mercury	ND	0.20	ug/L	SW846 7470A	03/08/04	GAFL01CL
		Dilution Factor: 1		Analysis Time..: 17:43	MDL.....: 0.054	
Prep Batch #...: 4063603						
Manganese	**2.3 B**	**10**	**ug/L**	**SW846 6010B**	**03/04-03/05/04**	**GAFL01A2**
		Dilution Factor: 1		Analysis Time..: 19:16	MDL.....: 0.54	
Barium	**95 B**	**100**	**ug/L**	**SW846 6010B**	**03/04-03/05/04**	**GAFL01A3**
		Dilution Factor: 1		Analysis Time..: 19:16	MDL.....: 0.37	
Potassium	**4100 B**	**5000**	**ug/L**	**SW846 6010B**	**03/04-03/12/04**	**GAFL01A4**
		Dilution Factor: 1		Analysis Time..: 03:08	MDL.....: 460	
Silver	ND	10	ug/L	SW846 6010B	03/04-03/05/04	GAFL01A8
		Dilution Factor: 1		Analysis Time..: 19:16	MDL.....: 0.70	
Arsenic	ND	10	ug/L	SW846 6010B	03/04-03/05/04	GAFL01A9
		Dilution Factor: 1		Analysis Time..: 19:16	MDL.....: 4.9	
Cadmium	ND	5.0	ug/L	SW846 6010B	03/04-03/05/04	GAFL01CA
		Dilution Factor: 1		Analysis Time..: 19:16	MDL.....: 0.27	
Cobalt	ND	10	ug/L	SW846 6010B	03/04-03/05/04	GAFL01CC
		Dilution Factor: 1		Analysis Time..: 19:16	MDL.....: 0.67	
Chromium	ND	10	ug/L	SW846 6010B	03/04-03/05/04	GAFL01CD
		Dilution Factor: 1		Analysis Time..: 19:16	MDL.....: 2.1	
Copper	ND	10	ug/L	SW846 6010B	03/04-03/05/04	GAFL01CE
		Dilution Factor: 1		Analysis Time..: 19:16	MDL.....: 0.97	
Nickel	ND	40	ug/L	SW846 6010B	03/04-03/05/04	GAFL01CF
		Dilution Factor: 1		Analysis Time..: 19:16	MDL.....: 4.2	
Lead	ND	3.0	ug/L	SW846 6010B	03/04-03/05/04	GAFL01CG
		Dilution Factor: 1		Analysis Time..: 19:16	MDL.....: 2.1	
Antimony	ND	10	ug/L	SW846 6010B	03/04-03/05/04	GAFL01CH
		Dilution Factor: 1		Analysis Time..: 19:16	MDL.....: 3.6	

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WASTE MANAGEMENT INC.

Client Sample ID: 4916L

TOTAL Metals

Lot-Sample #...: D4C020141-004 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Selenium	ND	5.0	ug/L	SW846 6010B	03/04-03/05/04	GAFL01CJ
		Dilution Factor: 1		Analysis Time..: 19:16	MDL.....: 4.6	
Zinc	ND	20	ug/L	SW846 6010B	03/04-03/05/04	GAFL01CK
		Dilution Factor: 1		Analysis Time..: 19:16	MDL.....: 7.1	
Beryllium	**1.5 B,J**	**5.0**	**ug/L**	**SW846 6010B**	**03/04-03/05/04**	**GAFL01CM**
		Dilution Factor: 1		Analysis Time..: 19:16	MDL.....: 0.41	
Boron	**150**	**100**	**ug/L**	**SW846 6010B**	**03/04-03/12/04**	**GAFL01CN**
		Dilution Factor: 1		Analysis Time..: 03:08	MDL.....: 8.3	

NOTE(S):

B Estimated result. Result is less than RL.

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

WASTE MANAGEMENT INC.

Client Sample ID: 4916L

DISSOLVED Metals

Lot-Sample #...: D4C020141-004 **Matrix.....:** WATER
Date Sampled...: 03/01/04 12:55 **Date Received..:** 03/02/04

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 4063600						
Calcium	**68000 J**	**200**	**ug/L**	**SW846 6010B**	**03/05-03/13/04**	**GAFL01AT**
		Dilution Factor: 1		Analysis Time..: 19:09	MDL.....: 76	
Magnesium	**16000**	**200**	**ug/L**	**SW846 6010B**	**03/05-03/13/04**	**GAFL01AU**
		Dilution Factor: 1		Analysis Time..: 19:09	MDL.....: 27	
Sodium	**37000**	**5000**	**ug/L**	**SW846 6010B**	**03/05-03/13/04**	**GAFL01AV**
		Dilution Factor: 1		Analysis Time..: 19:09	MDL.....: 1100	
Potassium	**4500 B**	**5000**	**ug/L**	**SW846 6010B**	**03/05-03/13/04**	**GAFL01AW**
		Dilution Factor: 1		Analysis Time..: 19:09	MDL.....: 460	
Iron	ND	100	ug/L	SW846 6010B	03/05-03/13/04	GAFL01A1
		Dilution Factor: 1		Analysis Time..: 19:09	MDL.....: 19	

NOTE(S):

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

B Estimated result. Result is less than RL.

WASTE MANAGEMENT INC.

Client Sample ID: 4916H

General Chemistry

Lot-Sample #...: D4C020141-001 **Work Order #...:** GAFLG **Matrix.....:** WATER
Date Sampled...: 03/01/04 09:55 **Date Received..:** 03/02/04

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Bicarbonate Alkalinity	**300**	**5.0**	**mg/L**	**MCAWW 310.1**	**03/10/04**	**4071486**
		Dilution Factor: 1		Analysis Time..: 18:00	MDL.....: 1.5	
Biochemical Oxygen Demand (BOD)	**6.9**	**2.0**	**mg/L**	**MCAWW 405.1**	**03/03/04**	**4063595**
		Dilution Factor: 1		Analysis Time..: 08:45	MDL.....: 0.31	
Carbonate Alkalinity	ND	5.0	mg/L	MCAWW 310.1	03/10/04	4071487
		Dilution Factor: 1		Analysis Time..: 18:00	MDL.....: 1.5	
Chemical Oxygen Demand (COD)	ND	8.0	mg/L	MCAWW 410.4	03/09/04	4070252
		Dilution Factor: 1		Analysis Time..: 19:50	MDL.....: 2.9	
Chloride	**24 J**	**3.0**	**mg/L**	**MCAWW 300.0A**	**03/02/04**	**4063398**
		Dilution Factor: 1		Analysis Time..: 16:32	MDL.....: 0.20	
Cyanide, Total	ND	0.010	mg/L	SW846 9012A	03/10/04	4071216
		Dilution Factor: 1		Analysis Time..: 16:00	MDL.....: 0.0028	
Fluoride	**0.30 B**	**1.0**	**mg/L**	**MCAWW 300.0A**	**03/02/04**	**4063399**
		Dilution Factor: 1		Analysis Time..: 16:32	MDL.....: 0.10	
Nitrate	ND	0.50	mg/L	MCAWW 300.0A	03/02/04	4063400
		Dilution Factor: 1		Analysis Time..: 16:32	MDL.....: 0.050	
Specific Conductance	**730**	**2.0**	**umhos/cm**	**MCAWW 120.1**	**03/12/04**	**4072539**
		Dilution Factor: 1		Analysis Time..: 17:00	MDL.....:	
Sulfate	**53 Q**	**25**	**mg/L**	**MCAWW 300.0A**	**03/02/04**	**4063397**
		Dilution Factor: 5		Analysis Time..: 17:19	MDL.....: 1.0	
Total Alkalinity	**300**	**5.0**	**mg/L**	**MCAWW 310.1**	**03/10/04**	**4071468**
		Dilution Factor: 1		Analysis Time..: 18:00	MDL.....: 1.5	
Total Dissolved Solids	**440**	**10**	**mg/L**	**MCAWW 160.1**	**03/03/04**	**4063572**
		Dilution Factor: 1		Analysis Time..: 16:00	MDL.....: 3.0	
Total Organic Carbon	ND	1.0	mg/L	MCAWW 415.1	03/12/04	4075405
		Dilution Factor: 1		Analysis Time..: 12:00	MDL.....: 0.50	

(Continued on next page)

WASTE MANAGEMENT INC.

Client Sample ID: 4916H

General Chemistry

Lot-Sample #...: D4C020141-001 **Work Order #...:** GAFLG **Matrix.....:** WATER

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon 2	ND	1.0	mg/L	MCAWW 415.1	03/12/04	4075405
	Dilution Factor: 1			Analysis Time..: 12:00	MDL.....: 0.50	
Total Organic Halogens	ND	30	ug/L	SW846 9020B	03/13-03/15/04	4076400
	Dilution Factor: 1			Analysis Time..: 12:00	MDL.....: 4.8	
Total Organic Halogens 2	ND	30	ug/L	SW846 9020B	03/13-03/15/04	4076400
	Dilution Factor: 1			Analysis Time..: 12:00	MDL.....: 4.8	
Total Sulfide	ND	4.0	mg/L	SW846 9030B/9034	03/08/04	4068533
	Dilution Factor: 1			Analysis Time..: 10:00	MDL.....: 0.26	

NOTE(S):

RL Reporting Limit

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

B Estimated result. Result is less than RL.

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

WASTE MANAGEMENT INC.

Client Sample ID: 4916F

General Chemistry

Lot-Sample #...: D4C020141-003 **Work Order #...:** GAFLV **Matrix.....:** WATER
Date Sampled...: 03/01/04 10:45 **Date Received..:** 03/02/04

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Bicarbonate Alkalinity	**310**	**5.0**	**mg/L**	**MCAWW 310.1**	**03/10/04**	**4071486**
		Dilution Factor: 1		Analysis Time..: 18:00	MDL.....: 1.5	
Biochemical Oxygen Demand (BOD)	**5.2**	**2.0**	**mg/L**	**MCAWW 405.1**	**03/03/04**	**4063595**
		Dilution Factor: 1		Analysis Time..: 08:45	MDL.....: 0.31	
Carbonate Alkalinity	ND	5.0	mg/L	MCAWW 310.1	03/10/04	4071487
		Dilution Factor: 1		Analysis Time..: 18:00	MDL.....: 1.5	
Chemical Oxygen Demand (COD)	ND	8.0	mg/L	MCAWW 410.4	03/09/04	4070252
		Dilution Factor: 1		Analysis Time..: 19:50	MDL.....: 2.9	
Chloride	**23 J**	**3.0**	**mg/L**	**MCAWW 300.0A**	**03/02/04**	**4063398**
		Dilution Factor: 1		Analysis Time..: 18:06	MDL.....: 0.20	
Cyanide, Total	ND	0.010	mg/L	SW846 9012A	03/10/04	4071216
		Dilution Factor: 1		Analysis Time..: 16:00	MDL.....: 0.0028	
Fluoride	**0.29 B**	**1.0**	**mg/L**	**MCAWW 300.0A**	**03/02/04**	**4063399**
		Dilution Factor: 1		Analysis Time..: 18:06	MDL.....: 0.10	
Nitrate	**0.090 B**	**0.50**	**mg/L**	**MCAWW 300.0A**	**03/02/04**	**4063400**
		Dilution Factor: 1		Analysis Time..: 18:06	MDL.....: 0.050	
Specific Conductance	**740**	**2.0**	**umhos/cm**	**MCAWW 120.1**	**03/12/04**	**4072539**
		Dilution Factor: 1		Analysis Time..: 17:00	MDL.....:	
Sulfate	**52 Q**	**25**	**mg/L**	**MCAWW 300.0A**	**03/02/04**	**4063397**
		Dilution Factor: 5		Analysis Time..: 18:21	MDL.....: 1.0	
Total Alkalinity	**310**	**5.0**	**mg/L**	**MCAWW 310.1**	**03/10/04**	**4071468**
		Dilution Factor: 1		Analysis Time..: 18:00	MDL.....: 1.5	
Total Dissolved Solids	**440**	**10**	**mg/L**	**MCAWW 160.1**	**03/03/04**	**4063572**
		Dilution Factor: 1		Analysis Time..: 16:00	MDL.....: 3.0	

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WASTE MANAGEMENT INC.

Client Sample ID: 4916F

General Chemistry

Lot-Sample #...: D4C020141-003 **Work Order #...:** GAFLV **Matrix.....:** WATER

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon	ND	1.0	mg/L	MCAWW 415.1	03/12/04	4075405
		Dilution Factor: 1		Analysis Time..: 12:00	MDL.....: 0.50	
Total Organic Carbon 2	ND	1.0	mg/L	MCAWW 415.1	03/12/04	4075405
		Dilution Factor: 1		Analysis Time..: 12:00	MDL.....: 0.50	
Total Organic Halogens	ND	30	ug/L	SW846 9020B	03/13-03/15/04	4076400
		Dilution Factor: 1		Analysis Time..: 12:00	MDL.....: 4.8	
Total Organic Halogens 2	ND	30	ug/L	SW846 9020B	03/13-03/15/04	4076400
		Dilution Factor: 1		Analysis Time..: 12:00	MDL.....: 4.8	
Total Sulfide	ND	4.0	mg/L	SW846 9030B/9034	03/08/04	4068533
		Dilution Factor: 1		Analysis Time..: 10:00	MDL.....: 0.26	

NOTE(S):

RL Reporting Limit

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

B Estimated result. Result is less than RL.

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

WASTE MANAGEMENT INC.

Client Sample ID: 4916L

General Chemistry

Lot-Sample #...: D4C020141-004 **Work Order #...:** GAFL0 **Matrix.....:** WATER
Date Sampled...: 03/01/04 12:55 **Date Received..:** 03/02/04

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Bicarbonate Alkalinity	**190**	**5.0**	**mg/L**	**MCAWW 310.1**	**03/10/04**	**4071486**
		Dilution Factor: 1		Analysis Time..: 18:00	MDL.....: 1.5	
Biochemical Oxygen Demand (BOD)	ND	2.0	mg/L	MCAWW 405.1	03/03/04	4063595
		Dilution Factor: 1		Analysis Time..: 08:45	MDL.....: 0.31	
Carbonate Alkalinity	ND	5.0	mg/L	MCAWW 310.1	03/10/04	4071487
		Dilution Factor: 1		Analysis Time..: 18:00	MDL.....: 1.5	
Chemical Oxygen Demand (COD)	ND	8.0	mg/L	MCAWW 410.4	03/09/04	4070252
		Dilution Factor: 1		Analysis Time..: 19:50	MDL.....: 2.9	
Chloride	**27 J**	**3.0**	**mg/L**	**MCAWW 300.0A**	**03/02/04**	**4063398**
		Dilution Factor: 1		Analysis Time..: 19:08	MDL.....: 0.20	
Cyanide, Total	ND	0.010	mg/L	SW846 9012A	03/10/04	4071216
		Dilution Factor: 1		Analysis Time..: 16:00	MDL.....: 0.0028	
Fluoride	**0.43 B**	**1.0**	**mg/L**	**MCAWW 300.0A**	**03/02/04**	**4063399**
		Dilution Factor: 1		Analysis Time..: 19:08	MDL.....: 0.10	
Nitrate	**0.52**	**0.50**	**mg/L**	**MCAWW 300.0A**	**03/02/04**	**4063400**
		Dilution Factor: 1		Analysis Time..: 19:08	MDL.....: 0.050	
Specific Conductance	**630**	**2.0**	**umhos/cm**	**MCAWW 120.1**	**03/12/04**	**4072539**
		Dilution Factor: 1		Analysis Time..: 17:00	MDL.....:	
Sulfate	**91 Q**	**25**	**mg/L**	**MCAWW 300.0A**	**03/02/04**	**4063397**
		Dilution Factor: 5		Analysis Time..: 19:24	MDL.....: 1.0	
Total Alkalinity	**190**	**5.0**	**mg/L**	**MCAWW 310.1**	**03/10/04**	**4071468**
		Dilution Factor: 1		Analysis Time..: 18:00	MDL.....: 1.5	
Total Dissolved Solids	**380**	**10**	**mg/L**	**MCAWW 160.1**	**03/03/04**	**4063572**
		Dilution Factor: 1		Analysis Time..: 16:00	MDL.....: 3.0	

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WASTE MANAGEMENT INC.

Client Sample ID: 4916L

General Chemistry

Lot-Sample #...: D4C020141-004 **Work Order #...:** GAFL0 **Matrix.....:** WATER

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon	ND	1.0	mg/L	MCAWW 415.1	03/12/04	4075405
		Dilution Factor: 1		Analysis Time..: 12:00	MDL.....: 0.50	
Total Organic Carbon 2	ND	1.0	mg/L	MCAWW 415.1	03/12/04	4075405
		Dilution Factor: 1		Analysis Time..: 12:00	MDL.....: 0.50	
Total Organic Halogens	ND	30	ug/L	SW846 9020B	03/13-03/15/04	4076400
		Dilution Factor: 1		Analysis Time..: 12:00	MDL.....: 4.8	
Total Organic Halogens 2	ND	30	ug/L	SW846 9020B	03/13-03/15/04	4076400
		Dilution Factor: 1		Analysis Time..: 12:00	MDL.....: 4.8	
Total Sulfide	**0.32 B**	**4.0**	**mg/L**	**SW846 9030B/9034**	**03/08/04**	**4068533**
		Dilution Factor: 1		Analysis Time..: 10:00	MDL.....: 0.26	

NOTE(S):

RL Reporting Limit

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

B Estimated result. Result is less than RL.

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

QC DATA ASSOCIATION SUMMARY

D4C020141

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	WATER	MCAWW 120.1		4072539	4072231
	WATER	MCAWW 160.1		4063572	4069146
	WATER	MCAWW 310.1		4071487	
	WATER	MCAWW 405.1		4063595	4063313
	WATER	MCAWW 300.0A		4063398	4064212
	WATER	MCAWW 300.0A		4063397	4064222
	WATER	MCAWW 300.0A		4063399	4064210
	WATER	MCAWW 300.0A		4063400	4064215
	WATER	MCAWW 415.1		4075405	4075248
	WATER	SW846 9020B		4076400	4074009
	WATER	SW846 7470A		4063424	4063227
	WATER	SW846 8260B		4073170	4073059
	WATER	SW846 8270C		4063219	
	WATER	SW846 6010B		4063603	4063320
	WATER	SW846 6010B		4063600	4063317
	WATER	SW846 9012A		4071216	4071096
	WATER	SW846 9030B/9034		4068533	
	WATER	MCAWW 310.1		4071486	
	WATER	MCAWW 310.1		4071468	4071264
	WATER	MCAWW 410.4		4070252	4070110
002	WATER	SW846 8260B		4073170	4073059
003	WATER	MCAWW 120.1		4072539	4072231
	WATER	MCAWW 160.1		4063572	4069146
	WATER	MCAWW 310.1		4071487	
	WATER	MCAWW 405.1		4063595	4063313
	WATER	MCAWW 300.0A		4063398	4064212
	WATER	MCAWW 300.0A		4063397	4064222
	WATER	MCAWW 300.0A		4063399	4064210
	WATER	MCAWW 300.0A		4063400	4064215
	WATER	MCAWW 415.1		4075405	4075248
	WATER	SW846 9020B		4076400	4074009
	WATER	SW846 7470A		4063424	4063227
	WATER	SW846 8260B		4073170	4073059
	WATER	SW846 8270C		4063219	
	WATER	SW846 6010B		4063603	4063320
	WATER	SW846 6010B		4063600	4063317
	WATER	SW846 9012A		4071216	4071096
	WATER	SW846 9030B/9034		4068533	
	WATER	MCAWW 310.1		4071486	
	WATER	MCAWW 310.1		4071468	4071264
	WATER	MCAWW 410.4		4070252	4070110

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QC DATA ASSOCIATION SUMMARY

D4C020141

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
004	WATER	MCAWW 120.1		4072539	4072231
	WATER	MCAWW 160.1		4063572	4069146
	WATER	MCAWW 310.1		4071487	
	WATER	MCAWW 405.1		4063595	4063313
	WATER	MCAWW 300.0A		4063398	4064212
	WATER	MCAWW 300.0A		4063397	4064222
	WATER	MCAWW 300.0A		4063399	4064210
	WATER	MCAWW 300.0A		4063400	4064215
	WATER	MCAWW 415.1		4075405	4075248
	WATER	SW846 9020B		4076400	4074009
	WATER	SW846 7470A		4063424	4063227
	WATER	SW846 8260B		4073170	4073059
	WATER	SW846 8270C		4063219	
	WATER	SW846 6010B		4063603	4063320
	WATER	SW846 6010B		4063600	4063317
	WATER	SW846 9012A		4071216	4071096
	WATER	SW846 9030B/9034		4068533	
	WATER	MCAWW 310.1		4071486	
	WATER	MCAWW 310.1		4071468	4071264
	WATER	MCAWW 410.4		4070252	4070110

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: D4C020141 **Work Order #...:** GA8G51AA **Matrix.....:** WATER
MB Lot-Sample #: D4C130000-170

Prep Date.....: 03/11/04 **Analysis Time..:** 16:41

Analysis Date..: 03/11/04 **Prep Batch #...:** 4073170
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Trichloroethene	ND	5.0	ug/L	SW846 8260B
Vinyl chloride	ND	1.0	ug/L	SW846 8260B
Acetone	ND	34	ug/L	SW846 8260B
Acrylonitrile	ND	100	ug/L	SW846 8260B
Benzene	ND	1.0	ug/L	SW846 8260B
Bromochloromethane	ND	10	ug/L	SW846 8260B
Bromodichloromethane	ND	5.0	ug/L	SW846 8260B
Bromoform	ND	5.0	ug/L	SW846 8260B
Bromomethane	ND	10	ug/L	SW846 8260B
Carbon disulfide	ND	5.0	ug/L	SW846 8260B
Carbon tetrachloride	ND	0.50	ug/L	SW846 8260B
Chlorobenzene	ND	5.0	ug/L	SW846 8260B
Dibromochloromethane	ND	5.0	ug/L	SW846 8260B
Chloroethane	ND	10	ug/L	SW846 8260B
Chloroform	ND	5.0	ug/L	SW846 8260B
Chloromethane	ND	10	ug/L	SW846 8260B
Dibromomethane	ND	10	ug/L	SW846 8260B
1,2-Dichlorobenzene	ND	10	ug/L	SW846 8260B
1,4-Dichlorobenzene	ND	10	ug/L	SW846 8260B
trans-1,4-Dichloro-2-butene	ND	10	ug/L	SW846 8260B
Dichlorodifluoromethane	ND	10	ug/L	SW846 8260B
1,1-Dichloroethane	ND	5.0	ug/L	SW846 8260B
1,2-Dichloroethane	ND	5.0	ug/L	SW846 8260B
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260B
cis-1,2-Dichloroethene	ND	10	ug/L	SW846 8260B
trans-1,2-Dichloroethene	ND	10	ug/L	SW846 8260B
1,2-Dichloropropane	ND	5.0	ug/L	SW846 8260B
cis-1,3-Dichloropropene	ND	5.0	ug/L	SW846 8260B
trans-1,3-Dichloropropene	ND	5.0	ug/L	SW846 8260B
Ethylbenzene	ND	5.0	ug/L	SW846 8260B
Trichlorofluoromethane	ND	10	ug/L	SW846 8260B
2-Hexanone	ND	5.0	ug/L	SW846 8260B
Iodomethane	ND	10	ug/L	SW846 8260B
Methylene chloride	**0.37 J**	**5.0**	**ug/L**	**SW846 8260B**
4-Methyl-2-pentanone	ND	10	ug/L	SW846 8260B
Styrene	ND	5.0	ug/L	SW846 8260B
1,1,1,2-Tetrachloroethane	ND	5.0	ug/L	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	5.0	ug/L	SW846 8260B
Tetrachloroethene	ND	5.0	ug/L	SW846 8260B
Toluene	ND	1.0	ug/L	SW846 8260B

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METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: D4C020141 **Work Order #...:** GA8G51AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
1,1,1-Trichloroethane	ND	5.0	ug/L	SW846 8260B
1,1,2-Trichloroethane	ND	5.0	ug/L	SW846 8260B
1,2,3-Trichloropropane	ND	10	ug/L	SW846 8260B
Vinyl acetate	ND	10	ug/L	SW846 8260B
Xylenes (total)	ND	10	ug/L	SW846 8260B
1,2-Dibromo-3-chloropropane (DBCP)	ND	10	ug/L	SW846 8260B
1,2-Dibromoethane (EDB)	ND	1.0	ug/L	SW846 8260B
2-Butanone (MEK)	ND	10	ug/L	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	94	(76 - 116)
1,2-Dichloroethane-d4	87	(59 - 129)
4-Bromofluorobenzene	93	(74 - 114)
Toluene-d8	92	(76 - 116)

NOTE(S):

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

J Estimated result. Result is less than RL.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: D4C020141 **Work Order #...:** GA8G51AC **Matrix.....:** WATER
LCS Lot-Sample#: D4C130000-170
Prep Date.....: 03/11/04 **Analysis Date..:** 03/11/04
Prep Batch #...: 4073170 **Analysis Time..:** 16:17
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
1,1-Dichloroethene	**76**	**(67 - 125)**	**SW846 8260B**
Benzene	**92**	**(75 - 116)**	**SW846 8260B**
Chlorobenzene	**108**	**(77 - 117)**	**SW846 8260B**
Toluene	**107**	**(74 - 115)**	**SW846 8260B**
Trichloroethene	**94**	**(80 - 123)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	92	(76 - 116)
1,2-Dichloroethane-d4	86	(59 - 129)
4-Bromofluorobenzene	94	(74 - 114)
Toluene-d8	90	(76 - 116)

NOTE(S):

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: D4C020141 **Work Order #...:** GA8G51AC **Matrix.....:** WATER
LCS Lot-Sample#: D4C130000-170
Prep Date.....: 03/11/04 **Analysis Date..:** 03/11/04
Prep Batch #...: 4073170 **Analysis Time..:** 16:17
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
1,1-Dichloroethene	**10.0**	**7.64**	**ug/L**	**76**	**SW846 8260B**
Benzene	**10.0**	**9.25**	**ug/L**	**92**	**SW846 8260B**
Chlorobenzene	**10.0**	**10.8**	**ug/L**	**108**	**SW846 8260B**
Toluene	**10.0**	**10.7**	**ug/L**	**107**	**SW846 8260B**
Trichloroethene	**10.0**	**9.42**	**ug/L**	**94**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	92	(76 - 116)
1,2-Dichloroethane-d4	86	(59 - 129)
4-Bromofluorobenzene	94	(74 - 114)
Toluene-d8	90	(76 - 116)

NOTE(S):

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

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: D4C020141 **Work Order #...:** GAG4K1AW-MS **Matrix.....:** WATER
MS Lot-Sample #: D4C020304-001 GAG4K1AX-MSD
Date Sampled...: 02/27/04 10:17 **Date Received..:** 03/02/04
Prep Date.....: 03/11/04 **Analysis Date..:** 03/11/04
Prep Batch #...: 4073170 **Analysis Time..:** 17:28
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	**85**	**(67 - 125)**			**SW846 8260B**
	81	**(67 - 125)**	**4.6**	**(0-20)**	**SW846 8260B**
Benzene	**98**	**(75 - 116)**			**SW846 8260B**
	94	**(75 - 116)**	**4.4**	**(0-20)**	**SW846 8260B**
Chlorobenzene	**110**	**(77 - 117)**			**SW846 8260B**
	108	**(77 - 117)**	**1.7**	**(0-20)**	**SW846 8260B**
Toluene	**106**	**(74 - 115)**			**SW846 8260B**
	105	**(74 - 115)**	**1.1**	**(0-20)**	**SW846 8260B**
Trichloroethene	**97**	**(80 - 123)**			**SW846 8260B**
	98	**(80 - 123)**	**1.3**	**(0-20)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	92	(76 - 116)
	90	(76 - 116)
1,2-Dichloroethane-d4	83	(59 - 129)
	83	(59 - 129)
4-Bromofluorobenzene	91	(74 - 114)
	89	(74 - 114)
Toluene-d8	91	(76 - 116)
	91	(76 - 116)

NOTE(S):

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

Bold print denotes control parameters

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: D4C020141 **Work Order #...:** GAG4K1AW-MS **Matrix.....:** WATER
MS Lot-Sample #: D4C020304-001 GAG4K1AX-MSD
Date Sampled...: 02/27/04 10:17 **Date Received..:** 03/02/04
Prep Date.....: 03/11/04 **Analysis Date..:** 03/11/04
Prep Batch #...: 4073170 **Analysis Time..:** 17:28
Dilution Factor: 1

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
1,1-Dichloroethene	**ND**	**10.0**	**8.50**	**ug/L**	**85**		**SW846 8260B**
	ND	**10.0**	**8.11**	**ug/L**	**81**	**4.6**	**SW846 8260B**
Benzene	**ND**	**10.0**	**9.83**	**ug/L**	**98**		**SW846 8260B**
	ND	**10.0**	**9.41**	**ug/L**	**94**	**4.4**	**SW846 8260B**
Chlorobenzene	**0.19**	**10.0**	**11.2**	**ug/L**	**110**		**SW846 8260B**
	0.19	**10.0**	**11.0**	**ug/L**	**108**	**1.7**	**SW846 8260B**
Toluene	**ND**	**10.0**	**10.6**	**ug/L**	**106**		**SW846 8260B**
	ND	**10.0**	**10.5**	**ug/L**	**105**	**1.1**	**SW846 8260B**
Trichloroethene	**ND**	**10.0**	**9.71**	**ug/L**	**97**		**SW846 8260B**
	ND	**10.0**	**9.84**	**ug/L**	**98**	**1.3**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	92	(76 - 116)
	90	(76 - 116)
1,2-Dichloroethane-d4	83	(59 - 129)
	83	(59 - 129)
4-Bromofluorobenzene	91	(74 - 114)
	89	(74 - 114)
Toluene-d8	91	(76 - 116)
	91	(76 - 116)

NOTE(S):

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

Bold print denotes control parameters

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: D4C020141 **Work Order #...:** GAHVH1AA **Matrix.....:** WATER
MB Lot-Sample #: D4C030000-219

Prep Date.....: 03/03/04 **Analysis Time..:** 20:22
Analysis Date..: 03/05/04 **Prep Batch #...:** 4063219
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Acenaphthene	ND	10	ug/L	SW846 8270C
Acenaphthylene	ND	10	ug/L	SW846 8270C
Acetophenone	ND	10	ug/L	SW846 8270C
2-Acetylaminofluorene	ND	100	ug/L	SW846 8270C
4-Aminobiphenyl	ND	50	ug/L	SW846 8270C
Anthracene	ND	10	ug/L	SW846 8270C
Benzo(a)anthracene	ND	10	ug/L	SW846 8270C
Benzo(b)fluoranthene	ND	10	ug/L	SW846 8270C
Benzo(k)fluoranthene	ND	10	ug/L	SW846 8270C
Benzo(ghi)perylene	ND	10	ug/L	SW846 8270C
Benzo(a)pyrene	ND	10	ug/L	SW846 8270C
Benzyl alcohol	ND	10	ug/L	SW846 8270C
bis(2-Chloroethoxy) methane	ND	10	ug/L	SW846 8270C
bis(2-Chloroethyl)-ether	ND	10	ug/L	SW846 8270C
bis(2-Ethylhexyl) phthalate	ND	10	ug/L	SW846 8270C
4-Bromophenyl phenyl ether	ND	10	ug/L	SW846 8270C
Butyl benzyl phthalate	ND	10	ug/L	SW846 8270C
4-Chloroaniline	ND	10	ug/L	SW846 8270C
Chlorobenzilate	ND	10	ug/L	SW846 8270C
4-Chloro-3-methylphenol	ND	10	ug/L	SW846 8270C
2-Chloronaphthalene	ND	10	ug/L	SW846 8270C
2-Chlorophenol	ND	10	ug/L	SW846 8270C
4-Chlorophenyl phenyl ether	ND	10	ug/L	SW846 8270C
Chrysene	ND	10	ug/L	SW846 8270C
Diallate	ND	20	ug/L	SW846 8270C
Dibenz(a,h)anthracene	ND	10	ug/L	SW846 8270C
Dibenzofuran	ND	10	ug/L	SW846 8270C
Di-n-butyl phthalate	ND	10	ug/L	SW846 8270C
3,3'-Dichlorobenzidine	ND	50	ug/L	SW846 8270C
2,4-Dichlorophenol	ND	10	ug/L	SW846 8270C
2,6-Dichlorophenol	ND	10	ug/L	SW846 8270C
Diethyl phthalate	ND	10	ug/L	SW846 8270C
Dimethoate	ND	20	ug/L	SW846 8270C
4-Dimethylaminoazobenzene	ND	20	ug/L	SW846 8270C
7,12-Dimethylbenz(a)-anthracene	ND	20	ug/L	SW846 8270C

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METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: D4C020141 **Work Order #...:** GAHVH1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
3,3'-Dimethylbenzidine	ND	20	ug/L	SW846 8270C
2,4-Dimethylphenol	ND	10	ug/L	SW846 8270C
Dimethyl phthalate	ND	10	ug/L	SW846 8270C
1,3-Dinitrobenzene	ND	10	ug/L	SW846 8270C
4,6-Dinitro-2-methylphenol	ND	50	ug/L	SW846 8270C
2,4-Dinitrophenol	ND	50	ug/L	SW846 8270C
2,4-Dinitrotoluene	ND	10	ug/L	SW846 8270C
2,6-Dinitrotoluene	ND	10	ug/L	SW846 8270C
Dinoseb	ND	10	ug/L	SW846 8270C
Di-n-octyl phthalate	ND	10	ug/L	SW846 8270C
Diphenylamine	ND	10	ug/L	SW846 8270C
Disulfoton	ND	50	ug/L	SW846 8270C
Ethyl methanesulfonate	ND	10	ug/L	SW846 8270C
Famphur	ND	200	ug/L	SW846 8270C
Fluoranthene	ND	10	ug/L	SW846 8270C
Fluorene	ND	10	ug/L	SW846 8270C
Hexachlorobenzene	ND	10	ug/L	SW846 8270C
Hexachlorobutadiene	ND	10	ug/L	SW846 8270C
Hexachlorocyclopentadiene	ND	50	ug/L	SW846 8270C
Hexachloroethane	ND	10	ug/L	SW846 8270C
Hexachloropropene	ND	100	ug/L	SW846 8270C
Indeno(1,2,3-cd)pyrene	ND	10	ug/L	SW846 8270C
Isodrin	ND	10	ug/L	SW846 8270C
Isophorone	ND	10	ug/L	SW846 8270C
Isosafrole	ND	20	ug/L	SW846 8270C
Methapyrilene	ND	50	ug/L	SW846 8270C
3-Methylcholanthrene	ND	20	ug/L	SW846 8270C
Methyl methanesulfonate	ND	10	ug/L	SW846 8270C
2-Methylnaphthalene	ND	10	ug/L	SW846 8270C
Methyl parathion	ND	50	ug/L	SW846 8270C
2-Methylphenol	ND	10	ug/L	SW846 8270C
3-Methylphenol & 4-Methylphenol	ND	10	ug/L	SW846 8270C
Naphthalene	ND	10	ug/L	SW846 8270C
1,4-Naphthoquinone	ND	50	ug/L	SW846 8270C
1-Naphthylamine	ND	10	ug/L	SW846 8270C
2-Naphthylamine	ND	10	ug/L	SW846 8270C
2-Nitroaniline	ND	50	ug/L	SW846 8270C
3-Nitroaniline	ND	50	ug/L	SW846 8270C
4-Nitroaniline	ND	50	ug/L	SW846 8270C
Nitrobenzene	ND	10	ug/L	SW846 8270C
2-Nitrophenol	ND	10	ug/L	SW846 8270C
4-Nitrophenol	ND	50	ug/L	SW846 8270C

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METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: D4C020141 **Work Order #...:** GAHVH1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
N-Nitrosodi-n-butylamine	ND	10	ug/L	SW846 8270C
N-Nitrosodiethylamine	ND	10	ug/L	SW846 8270C
N-Nitrosodimethylamine	ND	10	ug/L	SW846 8270C
N-Nitrosodiphenylamine	ND	10	ug/L	SW846 8270C
N-Nitrosodi-n-propyl-amine	ND	10	ug/L	SW846 8270C
N-Nitrosomethylethylamine	ND	10	ug/L	SW846 8270C
N-Nitrosopiperidine	ND	10	ug/L	SW846 8270C
N-Nitrosopyrrolidine	ND	10	ug/L	SW846 8270C
5-Nitro-o-toluidine	ND	20	ug/L	SW846 8270C
2,2'-oxybis(1-Chloropropa	ND	10	ug/L	SW846 8270C
Parathion	ND	50	ug/L	SW846 8270C
Pentachlorobenzene	ND	10	ug/L	SW846 8270C
Pentachloronitrobenzene	ND	50	ug/L	SW846 8270C
Pentachlorophenol	ND	50	ug/L	SW846 8270C
Phenacetin	ND	20	ug/L	SW846 8270C
Phenanthrene	ND	10	ug/L	SW846 8270C
Phenol	ND	10	ug/L	SW846 8270C
4-Phenylenediamine	ND	100	ug/L	SW846 8270C
Phorate	ND	50	ug/L	SW846 8270C
Pronamide	ND	20	ug/L	SW846 8270C
Pyrene	ND	10	ug/L	SW846 8270C
Safrole	ND	50	ug/L	SW846 8270C
1,2,4,5-Tetrachloro-benzene	ND	10	ug/L	SW846 8270C
2,3,4,6-Tetrachlorophenol	ND	50	ug/L	SW846 8270C
Thionazin	ND	10	ug/L	SW846 8270C
o-Toluidine	ND	10	ug/L	SW846 8270C
1,2,4-Trichloro-benzene	ND	10	ug/L	SW846 8270C
2,4,5-Trichloro-phenol	ND	10	ug/L	SW846 8270C
2,4,6-Trichloro-phenol	ND	10	ug/L	SW846 8270C
O,O,O-Triethylphosphoro-thioate	ND	50	ug/L	SW846 8270C
1,3,5-Trinitrobenzene	ND	50	ug/L	SW846 8270C

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	85	(32 - 116)
Phenol-d5	91	(40 - 111)
Nitrobenzene-d5	96	(53 - 107)
2-Fluorobiphenyl	72	(31 - 105)
2,4,6-Tribromophenol	80	(42 - 122)

(Continued on next page)

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: D4C020141 **Work Order #...:** GAHVH1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Terphenyl-d14	99	(21 - 125)		

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: D4C020141 **Work Order #...:** GAHVH1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: D4C030000-219 GAHVH1AD-LCSD
Prep Date.....: 03/03/04 **Analysis Date..:** 03/05/04
Prep Batch #...: 4063219 **Analysis Time..:** 20:48
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Acenaphthene	**80**	**(55 - 97)**			**SW846 8270C**
	83	**(55 - 97)**	**2.8**	**(0-30)**	**SW846 8270C**
1,4-Dichlorobenzene	**58**	**(31 - 98)**			**SW846 8270C**
	63	**(31 - 98)**	**8.1**	**(0-40)**	**SW846 8270C**
4-Chloro-3-methylphenol	**96**	**(59 - 106)**			**SW846 8270C**
	98	**(59 - 106)**	**2.7**	**(0-40)**	**SW846 8270C**
2-Chlorophenol	**90**	**(59 - 105)**			**SW846 8270C**
	89	**(59 - 105)**	**1.2**	**(0-40)**	**SW846 8270C**
2,4-Dinitrotoluene	**76**	**(57 - 113)**			**SW846 8270C**
	84	**(57 - 113)**	**9.6**	**(0-40)**	**SW846 8270C**
4-Nitrophenol	**77**	**(43 - 118)**			**SW846 8270C**
	91	**(43 - 118)**	**17**	**(0-40)**	**SW846 8270C**
N-Nitrosodi-n-propyl-amine	**85**	**(51 - 99)**			**SW846 8270C**
	84	**(51 - 99)**	**1.2**	**(0-40)**	**SW846 8270C**
Pentachlorophenol	**84**	**(48 - 114)**			**SW846 8270C**
	93	**(48 - 114)**	**9.9**	**(0-40)**	**SW846 8270C**
Phenol	**90**	**(56 - 106)**			**SW846 8270C**
	93	**(56 - 106)**	**3.0**	**(0-40)**	**SW846 8270C**
Pyrene	**87**	**(51 - 103)**			**SW846 8270C**
	101	**(51 - 103)**	**15**	**(0-40)**	**SW846 8270C**
1,2,4-Trichloro-benzene	**66**	**(36 - 99)**			**SW846 8270C**
	70	**(36 - 99)**	**5.9**	**(0-40)**	**SW846 8270C**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	78	(54 - 105)
	79	(54 - 105)
Phenol-d5	86	(55 - 106)
	86	(55 - 106)
Nitrobenzene-d5	94	(58 - 108)
	95	(58 - 108)
2-Fluorobiphenyl	71	(53 - 97)
	67	(53 - 97)
2,4,6-Tribromophenol	82	(62 - 113)
	89	(62 - 113)
Terphenyl-d14	96	(55 - 109)

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: D4C020141 **Work Order #...:** GAHVH1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: D4C030000-219 GAHVH1AD-LCSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
	107	(55 - 109)

NOTE(S):

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: D4C020141 **Work Order #...:** GAHVH1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: D4C030000-219 GAHVH1AD-LCSD
Prep Date.....: 03/03/04 **Analysis Date..:** 03/05/04
Prep Batch #...: 4063219 **Analysis Time..:** 20:48
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Acenaphthene	100	80.2	ug/L	80		SW846 8270C
	100	82.5	ug/L	83	2.8	SW846 8270C
1,4-Dichlorobenzene	100	58.2	ug/L	58		SW846 8270C
	100	63.1	ug/L	63	8.1	SW846 8270C
4-Chloro-3-methylphenol	150	144	ug/L	96		SW846 8270C
	150	148	ug/L	98	2.7	SW846 8270C
2-Chlorophenol	150	135	ug/L	90		SW846 8270C
	150	133	ug/L	89	1.2	SW846 8270C
2,4-Dinitrotoluene	100	76.4	ug/L	76		SW846 8270C
	100	84.1	ug/L	84	9.6	SW846 8270C
4-Nitrophenol	150	115	ug/L	77		SW846 8270C
	150	137	ug/L	91	17	SW846 8270C
N-Nitrosodi-n-propyl-amine	100	85.3	ug/L	85		SW846 8270C
	100	84.2	ug/L	84	1.2	SW846 8270C
Pentachlorophenol	150	126	ug/L	84		SW846 8270C
	150	139	ug/L	93	9.9	SW846 8270C
Phenol	150	135	ug/L	90		SW846 8270C
	150	139	ug/L	93	3.0	SW846 8270C
Pyrene	100	87.0	ug/L	87		SW846 8270C
	100	101	ug/L	101	15	SW846 8270C
1,2,4-Trichloro-benzene	100	65.9	ug/L	66		SW846 8270C
	100	69.9	ug/L	70	5.9	SW846 8270C

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	78	(54 - 105)
	79	(54 - 105)
Phenol-d5	86	(55 - 106)
	86	(55 - 106)
Nitrobenzene-d5	94	(58 - 108)
	95	(58 - 108)
2-Fluorobiphenyl	71	(53 - 97)
	67	(53 - 97)
2,4,6-Tribromophenol	82	(62 - 113)
	89	(62 - 113)
Terphenyl-d14	96	(55 - 109)

(Continued on next page)

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: D4C020141 **Work Order #...:** GAHVH1AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: D4C030000-219 GAHVH1AD-LCSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
	107	(55 - 109)

NOTE(S):

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

Bold print denotes control parameters

METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: D4C020141 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: D4C030000-424 **Prep Batch #...:** 4063424						
Mercury	ND	0.20	ug/L	SW846 7470A	03/08/04	GAJV11AA
		Dilution Factor: 1				
		Analysis Time..: 17:14				
MB Lot-Sample #: D4C030000-603 **Prep Batch #...:** 4063603						
Manganese	ND	10	ug/L	SW846 6010B	03/04-03/05/04	GAKQR1AA
		Dilution Factor: 1				
		Analysis Time..: 18:37				
Barium	ND	100	ug/L	SW846 6010B	03/04-03/05/04	GAKQR1AC
		Dilution Factor: 1				
		Analysis Time..: 18:37				
Potassium	ND	5000	ug/L	SW846 6010B	03/04-03/12/04	GAKQR1AD
		Dilution Factor: 1				
		Analysis Time..: 02:33				
Silver	ND	10	ug/L	SW846 6010B	03/04-03/05/04	GAKQR1AE
		Dilution Factor: 1				
		Analysis Time..: 18:37				
Arsenic	ND	10	ug/L	SW846 6010B	03/04-03/05/04	GAKQR1AF
		Dilution Factor: 1				
		Analysis Time..: 18:37				
Cadmium	ND	5.0	ug/L	SW846 6010B	03/04-03/05/04	GAKQR1AG
		Dilution Factor: 1				
		Analysis Time..: 18:37				
Cobalt	ND	10	ug/L	SW846 6010B	03/04-03/05/04	GAKQR1AH
		Dilution Factor: 1				
		Analysis Time..: 18:37				
Chromium	ND	10	ug/L	SW846 6010B	03/04-03/05/04	GAKQR1AJ
		Dilution Factor: 1				
		Analysis Time..: 18:37				
Copper	ND	10	ug/L	SW846 6010B	03/04-03/05/04	GAKQR1AK
		Dilution Factor: 1				
		Analysis Time..: 18:37				

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METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: D4C020141 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Nickel	ND	40	ug/L	SW846 6010B	03/04-03/05/04	GAKQR1AL
		Dilution Factor: 1				
		Analysis Time..: 18:37				
Lead	ND	3.0	ug/L	SW846 6010B	03/04-03/05/04	GAKQR1AM
		Dilution Factor: 1				
		Analysis Time..: 18:37				
Antimony	ND	10	ug/L	SW846 6010B	03/04-03/05/04	GAKQR1AN
		Dilution Factor: 1				
		Analysis Time..: 18:37				
Selenium	ND	5.0	ug/L	SW846 6010B	03/04-03/05/04	GAKQR1AP
		Dilution Factor: 1				
		Analysis Time..: 18:37				
Zinc	ND	20	ug/L	SW846 6010B	03/04-03/05/04	GAKQR1AQ
		Dilution Factor: 1				
		Analysis Time..: 18:37				
Beryllium	**1.6 B**	**5.0**	**ug/L**	**SW846 6010B**	**03/04-03/05/04**	**GAKQR1AR**
		Dilution Factor: 1				
		Analysis Time..: 18:37				
Boron	ND	100	ug/L	SW846 6010B	03/04-03/12/04	GAKQR1AT
		Dilution Factor: 1				
		Analysis Time..: 02:33				

NOTE(S):

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

B Estimated result. Result is less than RL.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: D4C020141 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: D4C030000-424 **Prep Batch #...:** 4063424					
Mercury	99	(84 - 114)	SW846 7470A	03/08/04	GAJV11AC
		Dilution Factor: 1	Analysis Time..: 17:16		
LCS Lot-Sample#: D4C030000-603 **Prep Batch #...:** 4063603					
Manganese	101	(90 - 110)	SW846 6010B	03/04-03/05/04	GAKQR1AU
		Dilution Factor: 1	Analysis Time..: 18:42		
Barium	102	(93 - 113)	SW846 6010B	03/04-03/05/04	GAKQR1AV
		Dilution Factor: 1	Analysis Time..: 18:42		
Potassium	99	(86 - 111)	SW846 6010B	03/04-03/12/04	GAKQR1AW
		Dilution Factor: 1	Analysis Time..: 02:37		
Silver	108	(85 - 114)	SW846 6010B	03/04-03/05/04	GAKQR1AX
		Dilution Factor: 1	Analysis Time..: 18:42		
Arsenic	102	(89 - 109)	SW846 6010B	03/04-03/05/04	GAKQR1A0
		Dilution Factor: 1	Analysis Time..: 18:42		
Cadmium	97	(89 - 110)	SW846 6010B	03/04-03/05/04	GAKQR1A1
		Dilution Factor: 1	Analysis Time..: 18:42		
Cobalt	100	(86 - 107)	SW846 6010B	03/04-03/05/04	GAKQR1A2
		Dilution Factor: 1	Analysis Time..: 18:42		
Chromium	103	(89 - 112)	SW846 6010B	03/04-03/05/04	GAKQR1A3
		Dilution Factor: 1	Analysis Time..: 18:42		
Copper	100	(86 - 110)	SW846 6010B	03/04-03/05/04	GAKQR1A4
		Dilution Factor: 1	Analysis Time..: 18:42		
Nickel	99	(90 - 110)	SW846 6010B	03/04-03/05/04	GAKQR1A5
		Dilution Factor: 1	Analysis Time..: 18:42		
Lead	100	(91 - 111)	SW846 6010B	03/04-03/05/04	GAKQR1A6
		Dilution Factor: 1	Analysis Time..: 18:42		
Antimony	100	(88 - 108)	SW846 6010B	03/04-03/05/04	GAKQR1A7
		Dilution Factor: 1	Analysis Time..: 18:42		

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: D4C020141 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Selenium	105	(88 - 110)	SW846 6010B	03/04-03/05/04	GAKQR1A8
		Dilution Factor: 1	Analysis Time..: 18:42		
Zinc	95	(85 - 110)	SW846 6010B	03/04-03/05/04	GAKQR1A9
		Dilution Factor: 1	Analysis Time..: 18:42		
Beryllium	108	(88 - 112)	SW846 6010B	03/04-03/05/04	GAKQR1CA
		Dilution Factor: 1	Analysis Time..: 18:42		
Boron	105	(89 - 110)	SW846 6010B	03/04-03/12/04	GAKQR1CC
		Dilution Factor: 1	Analysis Time..: 02:37		

NOTE(S):

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

LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: D4C020141 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: D4C030000-424 **Prep Batch #...:** 4063424							
Mercury	5.00	4.97	ug/L	99	SW846 7470A	03/08/04	GAJV11AC
			Dilution Factor: 1		Analysis Time..: 17:16		
LCS Lot-Sample#: D4C030000-603 **Prep Batch #...:** 4063603							
Manganese	500	507	ug/L	101	SW846 6010B	03/04-03/05/04	GAKQR1AU
			Dilution Factor: 1		Analysis Time..: 18:42		
Barium	2000	2030	ug/L	102	SW846 6010B	03/04-03/05/04	GAKQR1AV
			Dilution Factor: 1		Analysis Time..: 18:42		
Potassium	50000	49500	ug/L	99	SW846 6010B	03/04-03/12/04	GAKQR1AW
			Dilution Factor: 1		Analysis Time..: 02:37		
Silver	50.0	54.1	ug/L	108	SW846 6010B	03/04-03/05/04	GAKQR1AX
			Dilution Factor: 1		Analysis Time..: 18:42		
Arsenic	2000	2040	ug/L	102	SW846 6010B	03/04-03/05/04	GAKQR1A0
			Dilution Factor: 1		Analysis Time..: 18:42		
Cadmium	50.0	48.6	ug/L	97	SW846 6010B	03/04-03/05/04	GAKQR1A1
			Dilution Factor: 1		Analysis Time..: 18:42		
Cobalt	500	502	ug/L	100	SW846 6010B	03/04-03/05/04	GAKQR1A2
			Dilution Factor: 1		Analysis Time..: 18:42		
Chromium	200	207	ug/L	103	SW846 6010B	03/04-03/05/04	GAKQR1A3
			Dilution Factor: 1		Analysis Time..: 18:42		
Copper	250	251	ug/L	100	SW846 6010B	03/04-03/05/04	GAKQR1A4
			Dilution Factor: 1		Analysis Time..: 18:42		
Nickel	500	493	ug/L	99	SW846 6010B	03/04-03/05/04	GAKQR1A5
			Dilution Factor: 1		Analysis Time..: 18:42		
Lead	500	499	ug/L	100	SW846 6010B	03/04-03/05/04	GAKQR1A6
			Dilution Factor: 1		Analysis Time..: 18:42		
Antimony	500	499	ug/L	100	SW846 6010B	03/04-03/05/04	GAKQR1A7
			Dilution Factor: 1		Analysis Time..: 18:42		

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LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: D4C020141 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Selenium	2000	2090	ug/L	105	SW846 6010B	03/04-03/05/04	GAKQR1A8
			Dilution Factor: 1		Analysis Time..: 18:42		
Zinc	500	476	ug/L	95	SW846 6010B	03/04-03/05/04	GAKQR1A9
			Dilution Factor: 1		Analysis Time..: 18:42		
Beryllium	50.0	53.9	ug/L	108	SW846 6010B	03/04-03/05/04	GAKQR1CA
			Dilution Factor: 1		Analysis Time..: 18:42		
Boron	1000	1050	ug/L	105	SW846 6010B	03/04-03/12/04	GAKQR1CC
			Dilution Factor: 1		Analysis Time..: 02:37		

NOTE(S):

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

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: D4C020141 **Matrix.....:** WATER
Date Sampled...: 02/26/04 08:30 **Date Received..:** 02/27/04

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D4C010144-001 **Prep Batch #...:** 4063424							
Mercury	99	(84 - 114)			SW846 7470A	03/08/04	GAD7A1AR
	100	(84 - 114)	1.0	(0-10)	SW846 7470A	03/08/04	GAD7A1AT
		Dilution Factor: 1					
		Analysis Time..: 17:20					

NOTE(S):

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

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: D4C020141 **Matrix.....:** WATER
Date Sampled...: 02/26/04 08:30 **Date Received..:** 02/27/04

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D4C010144-001 **Prep Batch #...:** 4063424									
Mercury									
	ND	5.00	4.93	ug/L	99		SW846 7470A	03/08/04	GAD7A1AR
	ND	5.00	4.98	ug/L	100	1.0	SW846 7470A	03/08/04	GAD7A1AT

Dilution Factor: 1
Analysis Time..: 17:20

NOTE(S):

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

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: D4C020141 **Matrix.....:** WATER
Date Sampled...: 02/26/04 10:05 **Date Received..:** 02/27/04

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D4B270172-001 **Prep Batch #...:** 4063603							
Manganese	NC,MSB	(79 - 121)			SW846 6010B	03/04-03/05/04	GAAE51C0
	NC,MSB	(79 - 121)		(0-25)	SW846 6010B	03/04-03/05/04	GAAE51C1
		Dilution Factor: 1					
		Analysis Time..: 18:57					
Barium	98	(85 - 120)			SW846 6010B	03/04-03/05/04	GAAE51C2
	104	(85 - 120)	5.9	(0-25)	SW846 6010B	03/04-03/05/04	GAAE51C3
		Dilution Factor: 1					
		Analysis Time..: 18:57					
Potassium	98	(76 - 132)			SW846 6010B	03/04-03/12/04	GAAE51C4
	100	(76 - 132)	2.0	(0-25)	SW846 6010B	03/04-03/12/04	GAAE51C5
		Dilution Factor: 1					
		Analysis Time..: 02:50					
Silver	104	(75 - 141)			SW846 6010B	03/04-03/05/04	GAAE51C6
	111	(75 - 141)	6.4	(0-25)	SW846 6010B	03/04-03/05/04	GAAE51C7
		Dilution Factor: 1					
		Analysis Time..: 18:57					
Arsenic	98	(84 - 124)			SW846 6010B	03/04-03/05/04	GAAE51C8
	104	(84 - 124)	6.2	(0-25)	SW846 6010B	03/04-03/05/04	GAAE51C9
		Dilution Factor: 1					
		Analysis Time..: 18:57					
Cadmium	92	(82 - 119)			SW846 6010B	03/04-03/05/04	GAAE51DA
	97	(82 - 119)	5.4	(0-25)	SW846 6010B	03/04-03/05/04	GAAE51DC
		Dilution Factor: 1					
		Analysis Time..: 18:57					
Cobalt	95	(82 - 119)			SW846 6010B	03/04-03/05/04	GAAE51DD
	101	(82 - 119)	6.0	(0-25)	SW846 6010B	03/04-03/05/04	GAAE51DE
		Dilution Factor: 1					
		Analysis Time..: 18:57					
Chromium	99	(73 - 135)			SW846 6010B	03/04-03/05/04	GAAE51DF
	105	(73 - 135)	6.0	(0-25)	SW846 6010B	03/04-03/05/04	GAAE51DG
		Dilution Factor: 1					
		Analysis Time..: 18:57					

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MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: D4C020141 **Matrix.....:** WATER
Date Sampled...: 02/26/04 10:05 **Date Received..:** 02/27/04

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Copper	97	(82 - 129)			SW846 6010B	03/04-03/05/04	GAAE51DH
	103	(82 - 129)	5.8	(0-25)	SW846 6010B	03/04-03/05/04	GAAE51DJ
		Dilution Factor: 1					
		Analysis Time..: 18:57					
Nickel	94	(84 - 120)			SW846 6010B	03/04-03/05/04	GAAE51DK
	100	(84 - 120)	6.0	(0-25)	SW846 6010B	03/04-03/05/04	GAAE51DL
		Dilution Factor: 1					
		Analysis Time..: 18:57					
Lead	95	(89 - 121)			SW846 6010B	03/04-03/05/04	GAAE51DM
	101	(89 - 121)	6.2	(0-25)	SW846 6010B	03/04-03/05/04	GAAE51DN
		Dilution Factor: 1					
		Analysis Time..: 18:57					
Antimony	96	(81 - 124)			SW846 6010B	03/04-03/05/04	GAAE51DP
	101	(81 - 124)	4.6	(0-25)	SW846 6010B	03/04-03/05/04	GAAE51DQ
		Dilution Factor: 1					
		Analysis Time..: 18:57					
Selenium	99	(71 - 140)			SW846 6010B	03/04-03/05/04	GAAE51DR
	105	(71 - 140)	5.9	(0-25)	SW846 6010B	03/04-03/05/04	GAAE51DT
		Dilution Factor: 1					
		Analysis Time..: 18:57					
Zinc	90	(60 - 137)			SW846 6010B	03/04-03/05/04	GAAE51DU
	98	(60 - 137)	8.2	(0-25)	SW846 6010B	03/04-03/05/04	GAAE51DV
		Dilution Factor: 1					
		Analysis Time..: 18:57					
Beryllium	100	(79 - 121)			SW846 6010B	03/04-03/05/04	GAAE51DW
	106	(79 - 121)	5.1	(0-25)	SW846 6010B	03/04-03/05/04	GAAE51DX
		Dilution Factor: 1					
		Analysis Time..: 18:57					
Boron	103	(87 - 113)			SW846 6010B	03/04-03/12/04	GAAE51D0
	105	(87 - 113)	1.5	(0-25)	SW846 6010B	03/04-03/12/04	GAAE51D1
		Dilution Factor: 1					
		Analysis Time..: 02:50					

NOTE(S):

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

NC The recovery and/or RPD were not calculated.

MSB The recovery and RPD were not calculated because the sample amount was greater than four times the spike amount.

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: D4C020141 **Matrix.....:** WATER
Date Sampled...: 02/26/04 10:05 **Date Received..:** 02/27/04

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D4B270172-001 **Prep Batch #...:** 4063603									
Manganese									
	2600	500	3030	ug/L			SW846 6010B	03/04-03/05/04	GAAE51C0
			Qualifiers: NC,MSB						
	2600	500	3180	ug/L			SW846 6010B	03/04-03/05/04	GAAE51C1
			Qualifiers: NC,MSB						
			Dilution Factor: 1						
			Analysis Time..: 18:57						
Barium									
	85	2000	2050	ug/L	98		SW846 6010B	03/04-03/05/04	GAAE51C2
	85	2000	2170	ug/L	104	5.9	SW846 6010B	03/04-03/05/04	GAAE51C3
			Dilution Factor: 1						
			Analysis Time..: 18:57						
Potassium									
	3900	50000	52800	ug/L	98		SW846 6010B	03/04-03/12/04	GAAE51C4
	3900	50000	53900	ug/L	100	2.0	SW846 6010B	03/04-03/12/04	GAAE51C5
			Dilution Factor: 1						
			Analysis Time..: 02:50						
Silver									
	ND	50.0	52.1	ug/L	104		SW846 6010B	03/04-03/05/04	GAAE51C6
	ND	50.0	55.6	ug/L	111	6.4	SW846 6010B	03/04-03/05/04	GAAE51C7
			Dilution Factor: 1						
			Analysis Time..: 18:57						
Arsenic									
	6.2	2000	1960	ug/L	98		SW846 6010B	03/04-03/05/04	GAAE51C8
	6.2	2000	2090	ug/L	104	6.2	SW846 6010B	03/04-03/05/04	GAAE51C9
			Dilution Factor: 1						
			Analysis Time..: 18:57						
Cadmium									
	0.27	50.0	46.4	ug/L	92		SW846 6010B	03/04-03/05/04	GAAE51DA
	0.27	50.0	49.0	ug/L	97	5.4	SW846 6010B	03/04-03/05/04	GAAE51DC
			Dilution Factor: 1						
			Analysis Time..: 18:57						
Cobalt									
	1.4	500	478	ug/L	95		SW846 6010B	03/04-03/05/04	GAAE51DD
	1.4	500	508	ug/L	101	6.0	SW846 6010B	03/04-03/05/04	GAAE51DE
			Dilution Factor: 1						
			Analysis Time..: 18:57						

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MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: D4C020141 **Matrix.....:** WATER
Date Sampled...: 02/26/04 10:05 **Date Received..:** 02/27/04

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Chromium									
	ND	200	198	ug/L	99		SW846 6010B	03/04-03/05/04	GAAE51DF
	ND	200	210	ug/L	105	6.0	SW846 6010B	03/04-03/05/04	GAAE51DG
			Dilution Factor: 1						
			Analysis Time..: 18:57						
Copper									
	1.1	250	245	ug/L	97		SW846 6010B	03/04-03/05/04	GAAE51DH
	1.1	250	259	ug/L	103	5.8	SW846 6010B	03/04-03/05/04	GAAE51DJ
			Dilution Factor: 1						
			Analysis Time..: 18:57						
Nickel									
	ND	500	471	ug/L	94		SW846 6010B	03/04-03/05/04	GAAE51DK
	ND	500	500	ug/L	100	6.0	SW846 6010B	03/04-03/05/04	GAAE51DL
			Dilution Factor: 1						
			Analysis Time..: 18:57						
Lead									
	ND	500	477	ug/L	95		SW846 6010B	03/04-03/05/04	GAAE51DM
	ND	500	508	ug/L	101	6.2	SW846 6010B	03/04-03/05/04	GAAE51DN
			Dilution Factor: 1						
			Analysis Time..: 18:57						
Antimony									
	ND	500	482	ug/L	96		SW846 6010B	03/04-03/05/04	GAAE51DP
	ND	500	505	ug/L	101	4.6	SW846 6010B	03/04-03/05/04	GAAE51DQ
			Dilution Factor: 1						
			Analysis Time..: 18:57						
Selenium									
	ND	2000	1990	ug/L	99		SW846 6010B	03/04-03/05/04	GAAE51DR
	ND	2000	2110	ug/L	105	5.9	SW846 6010B	03/04-03/05/04	GAAE51DT
			Dilution Factor: 1						
			Analysis Time..: 18:57						
Zinc									
	ND	500	452	ug/L	90		SW846 6010B	03/04-03/05/04	GAAE51DU
	ND	500	491	ug/L	98	8.2	SW846 6010B	03/04-03/05/04	GAAE51DV
			Dilution Factor: 1						
			Analysis Time..: 18:57						

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MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: D4C020141 **Matrix.....:** WATER
Date Sampled...: 02/26/04 10:05 **Date Received..:** 02/27/04

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Beryllium									
	1.2	50.0	51.2	ug/L	100		SW846 6010B	03/04-03/05/04	GAAE51DW
	1.2	50.0	53.9	ug/L	106	5.1	SW846 6010B	03/04-03/05/04	GAAE51DX
			Dilution Factor: 1						
			Analysis Time..: 18:57						
Boron									
	170	1000	1200	ug/L	103		SW846 6010B	03/04-03/12/04	GAAE51D0
	170	1000	1220	ug/L	105	1.5	SW846 6010B	03/04-03/12/04	GAAE51D1
			Dilution Factor: 1						
			Analysis Time..: 02:50						

NOTE(S):

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

NC The recovery and/or RPD were not calculated.

MSB The recovery and RPD were not calculated because the sample amount was greater than four times the spike amount.

METHOD BLANK REPORT

DISSOLVED Metals

Client Lot #...: D4C020141 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: D4C030000-600 **Prep Batch #...:** 4063600						
Calcium	**80 B**	**200**	**ug/L**	**SW846 6010B**	**03/05-03/13/04**	**GAKQL1AA**
		Dilution Factor: 1				
		Analysis Time..: 18:38				
Magnesium	ND	200	ug/L	SW846 6010B	03/05-03/13/04	GAKQL1AD
		Dilution Factor: 1				
		Analysis Time..: 18:38				
Sodium	ND	5000	ug/L	SW846 6010B	03/05-03/13/04	GAKQL1AE
		Dilution Factor: 1				
		Analysis Time..: 18:38				
Potassium	ND	5000	ug/L	SW846 6010B	03/05-03/13/04	GAKQL1AC
		Dilution Factor: 1				
		Analysis Time..: 18:38				
Iron	ND	100	ug/L	SW846 6010B	03/05-03/13/04	GAKQL1AJ
		Dilution Factor: 1				
		Analysis Time..: 18:38				

NOTE(S):

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

B Estimated result. Result is less than RL.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: D4C020141 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: D4C030000-600 **Prep Batch #...:** 4063600					
Calcium	103	(89 - 110)	SW846 6010B	03/05-03/13/04	GAKQL1AN
		Dilution Factor: 1	Analysis Time..: 18:43		
Magnesium	100	(91 - 111)	SW846 6010B	03/05-03/13/04	GAKQL1AQ
		Dilution Factor: 1	Analysis Time..: 18:43		
Sodium	97	(91 - 112)	SW846 6010B	03/05-03/13/04	GAKQL1AR
		Dilution Factor: 1	Analysis Time..: 18:43		
Potassium	97	(86 - 111)	SW846 6010B	03/05-03/13/04	GAKQL1AP
		Dilution Factor: 1	Analysis Time..: 18:43		
Iron	99	(88 - 110)	SW846 6010B	03/05-03/13/04	GAKQL1AW
		Dilution Factor: 1	Analysis Time..: 18:43		

NOTE(S):

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

LABORATORY CONTROL SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: D4C020141 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: D4C030000-600 **Prep Batch #...:** 4063600							
Calcium	50000	51500	ug/L	103	SW846 6010B	03/05-03/13/04	GAKQL1AN
			Dilution Factor: 1		Analysis Time..: 18:43		
Magnesium	50000	50000	ug/L	100	SW846 6010B	03/05-03/13/04	GAKQL1AQ
			Dilution Factor: 1		Analysis Time..: 18:43		
Sodium	50000	48600	ug/L	97	SW846 6010B	03/05-03/13/04	GAKQL1AR
			Dilution Factor: 1		Analysis Time..: 18:43		
Potassium	50000	48700	ug/L	97	SW846 6010B	03/05-03/13/04	GAKQL1AP
			Dilution Factor: 1		Analysis Time..: 18:43		
Iron	1000	993	ug/L	99	SW846 6010B	03/05-03/13/04	GAKQL1AW
			Dilution Factor: 1		Analysis Time..: 18:43		

NOTE(S):

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

MATRIX SPIKE SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: D4C020141 **Matrix.....:** WATER
Date Sampled...: 03/01/04 11:05 **Date Received..:** 03/02/04

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D4C020152-001 **Prep Batch #...:** 4063600							
Calcium	112	(48 - 153)			SW846 6010B	03/05-03/13/04	GAFNR1A0
	95	(48 - 153)	6.5	(0-25)	SW846 6010B	03/05-03/13/04	GAFNR1A1
		Dilution Factor: 1					
		Analysis Time..: 19:30					
Magnesium	NC,MSB	(62 - 146)			SW846 6010B	03/05-03/13/04	GAFNR1A4
	NC,MSB	(62 - 146)		(0-25)	SW846 6010B	03/05-03/13/04	GAFNR1A5
		Dilution Factor: 1					
		Analysis Time..: 19:30					
Sodium	NC,MSB	(70 - 203)			SW846 6010B	03/05-03/13/04	GAFNR1A6
	NC,MSB	(70 - 203)		(0-40)	SW846 6010B	03/05-03/13/04	GAFNR1A7
		Dilution Factor: 1					
		Analysis Time..: 19:30					
Potassium	108	(76 - 132)			SW846 6010B	03/05-03/13/04	GAFNR1A2
	99	(76 - 132)	7.0	(0-25)	SW846 6010B	03/05-03/13/04	GAFNR1A3
		Dilution Factor: 1					
		Analysis Time..: 19:30					
Iron	101	(52 - 155)			SW846 6010B	03/05-03/13/04	GAFNR1CF
	93	(52 - 155)	7.3	(0-25)	SW846 6010B	03/05-03/13/04	GAFNR1CG
		Dilution Factor: 1					
		Analysis Time..: 19:30					

NOTE(S):

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

NC The recovery and/or RPD were not calculated.

MSB The recovery and RPD were not calculated because the sample amount was greater than four times the spike amount.

MATRIX SPIKE SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: D4C020141 **Matrix.....:** WATER
Date Sampled...: 03/01/04 11:05 **Date Received..:** 03/02/04

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D4C020152-001 **Prep Batch #...:** 4063600									
Calcium									
	79000	50000	136000	ug/L	112		SW846 6010B	03/05-03/13/04	GAFNR1A0
	79000	50000	127000	ug/L	95	6.5	SW846 6010B	03/05-03/13/04	GAFNR1A1
			Dilution Factor: 1						
			Analysis Time..: 19:30						
Magnesium									
	250000	50000	309000	ug/L			SW846 6010B	03/05-03/13/04	GAFNR1A4
			Qualifiers: NC,MSB						
	250000	50000	292000	ug/L			SW846 6010B	03/05-03/13/04	GAFNR1A5
			Qualifiers: NC,MSB						
			Dilution Factor: 1						
			Analysis Time..: 19:30						
Sodium									
	690000	50000	780000	ug/L			SW846 6010B	03/05-03/13/04	GAFNR1A6
			Qualifiers: NC,MSB						
	690000	50000	737000	ug/L			SW846 6010B	03/05-03/13/04	GAFNR1A7
			Qualifiers: NC,MSB						
			Dilution Factor: 1						
			Analysis Time..: 19:30						
Potassium									
	16000	50000	70700	ug/L	108		SW846 6010B	03/05-03/13/04	GAFNR1A2
	16000	50000	65900	ug/L	99	7.0	SW846 6010B	03/05-03/13/04	GAFNR1A3
			Dilution Factor: 1						
			Analysis Time..: 19:30						
Iron									
	49	1000	1060	ug/L	101		SW846 6010B	03/05-03/13/04	GAFNR1CF
	49	1000	983	ug/L	93	7.3	SW846 6010B	03/05-03/13/04	GAFNR1CG
			Dilution Factor: 1						
			Analysis Time..: 19:30						

NOTE(S):

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

NC The recovery and/or RPD were not calculated.

MSB The recovery and RPD were not calculated because the sample amount was greater than four times the spike amount.

METHOD BLANK REPORT

General Chemistry

Client Lot #...: D4C020141 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Biochemical Oxygen Demand (BOD)		Work Order #: GAKPV1AA		MB Lot-Sample #:	D4C030000-595	
	ND	2.0	mg/L	MCAWW 405.1	03/03/04	4063595
		Dilution Factor: 1				
		Analysis Time..: 08:45				
Chemical Oxygen Demand (COD)		Work Order #: GA0QG1AA		MB Lot-Sample #:	D4C100000-252	
	ND	8.0	mg/L	MCAWW 410.4	03/09/04	4070252
		Dilution Factor: 1				
		Analysis Time..: 19:50				
Chloride		Work Order #: GAMR61AA		MB Lot-Sample #:	D4C030000-398	
	0.20 B	**3.0**	**mg/L**	**MCAWW 300.0A**	**03/02/04**	**4063398**
		Dilution Factor: 1				
		Analysis Time..: 13:25				
Cyanide, Total		Work Order #: GA3C31AA		MB Lot-Sample #:	D4C110000-216	
	ND	0.010	mg/L	SW846 9012A	03/10/04	4071216
		Dilution Factor: 1				
		Analysis Time..: 16:00				
Fluoride		Work Order #: GAMQT1AA		MB Lot-Sample #:	D4C030000-399	
	ND	1.0	mg/L	MCAWW 300.0A	03/02/04	4063399
		Dilution Factor: 1				
		Analysis Time..: 13:25				
Nitrate		Work Order #: GAMTX1AA		MB Lot-Sample #:	D4C030000-400	
	ND	0.50	mg/L	MCAWW 300.0A	03/02/04	4063400
		Dilution Factor: 1				
		Analysis Time..: 13:25				
Specific Conductance		Work Order #: GA7R81AA		MB Lot-Sample #:	D4C120000-539	
	ND	2.0	umhos/cm	MCAWW 120.1	03/12/04	4072539
		Dilution Factor: 1				
		Analysis Time..: 17:00				
Sulfate		Work Order #: GAMVL1AA		MB Lot-Sample #:	D4C030000-397	
	ND	5.0	mg/L	MCAWW 300.0A	03/02/04	4063397
		Dilution Factor: 1				
		Analysis Time..: 13:25				
Total Alkalinity		Work Order #: GA4871AA		MB Lot-Sample #:	D4C110000-468	
	ND	5.0	mg/L	MCAWW 310.1	03/10/04	4071468
		Dilution Factor: 1				
		Analysis Time..: 18:00				

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METHOD BLANK REPORT

General Chemistry

Client Lot #...: D4C020141 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Dissolved Solids		Work Order #: GAWM31AA		MB Lot-Sample #:	D4C030000-572	
	ND	10	mg/L	MCAWW 160.1	03/03/04	4063572
		Dilution Factor: 1				
		Analysis Time..: 16:00				
Total Organic Halogens		Work Order #: GCCFV1AA		MB Lot-Sample #:	D4C160000-400	
	ND	30	ug/L	SW846 9020B	03/13-03/15/04	4076400
		Dilution Factor: 1				
		Analysis Time..: 12:00				
Total Organic Carbon		Work Order #: GA9QM1AA		MB Lot-Sample #:	D4C150000-405	
	ND	1.0	mg/L	MCAWW 415.1	03/12/04	4075405
		Dilution Factor: 1				
		Analysis Time..: 16:00				
Total Sulfide		Work Order #: GAT851AA		MB Lot-Sample #:	D4C080000-533	
	ND	4.0	mg/L	SW846 9030B/9034	03/08/04	4068533
		Dilution Factor: 1				
		Analysis Time..: 10:00				

NOTE(S):

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

B Estimated result. Result is less than RL.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Lot-Sample #...: D4C020141 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Biochemical Oxygen Demand (BOD)		WO#:GAKPV1AC-LCS/GAKPV1AD-LCSD				LCS Lot-Sample#: D4C030000-595	
	100	(85 - 115)			MCAWW 405.1	03/03/04	4063595
	91	(85 - 115)	9.5	(0-20)	MCAWW 405.1	03/03/04	4063595
		Dilution Factor: 1			Analysis Time..: 08:45		
Chemical Oxygen Demand (COD)		WO#:GA0QG1AC-LCS/GA0QG1AD-LCSD				LCS Lot-Sample#: D4C100000-252	
	90	(86 - 114)			MCAWW 410.4	03/09/04	4070252
	88	(86 - 114)	2.2	(0-11)	MCAWW 410.4	03/09/04	4070252
		Dilution Factor: 1			Analysis Time..: 19:50		
Chloride		WO#:GAMR61AC-LCS/GAMR61AD-LCSD				LCS Lot-Sample#: D4C030000-398	
	101	(90 - 110)			MCAWW 300.0A	03/02/04	4063398
	101	(90 - 110)	0.05	(0-10)	MCAWW 300.0A	03/02/04	4063398
		Dilution Factor: 1			Analysis Time..: 12:54		
Fluoride		WO#:GAMQT1AC-LCS/GAMQT1AD-LCSD				LCS Lot-Sample#: D4C030000-399	
	104	(90 - 110)			MCAWW 300.0A	03/02/04	4063399
	104	(90 - 110)	0.24	(0-10)	MCAWW 300.0A	03/02/04	4063399
		Dilution Factor: 1			Analysis Time..: 12:54		
Nitrate		WO#:GAMTX1AC-LCS/GAMTX1AD-LCSD				LCS Lot-Sample#: D4C030000-400	
	99	(90 - 110)			MCAWW 300.0A	03/02/04	4063400
	99	(90 - 110)	0.25	(0-10)	MCAWW 300.0A	03/02/04	4063400
		Dilution Factor: 1			Analysis Time..: 12:54		
Specific Conductance		WO#:GA7R81AC-LCS/GA7R81AD-LCSD				LCS Lot-Sample#: D4C120000-539	
	100	(89 - 109)			MCAWW 120.1	03/12/04	4072539
	100	(89 - 109)	0.28	(0-7.0)	MCAWW 120.1	03/12/04	4072539
		Dilution Factor: 1			Analysis Time..: 17:00		
Sulfate		WO#:GAMVL1AC-LCS/GAMVL1AD-LCSD				LCS Lot-Sample#: D4C030000-397	
	101	(90 - 110)			MCAWW 300.0A	03/02/04	4063397
	101	(90 - 110)	0.05	(0-10)	MCAWW 300.0A	03/02/04	4063397
		Dilution Factor: 1			Analysis Time..: 12:54		

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Lot-Sample #...: D4C020141 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Alkalinity		WO#:GA4871AC-LCS/GA4871AD-LCSD				LCS Lot-Sample#: D4C110000-468	
	99	(95 - 110)			MCAWW 310.1	03/10/04	4071468
	98	(95 - 110)	1.2	(0-10)	MCAWW 310.1	03/10/04	4071468
		Dilution Factor: 1			Analysis Time..: 18:00		
Total Dissolved Solids		WO#:GAWM31AC-LCS/GAWM31AD-LCSD				LCS Lot-Sample#: D4C030000-572	
	95	(86 - 106)			MCAWW 160.1	03/03/04	4063572
	95	(86 - 106)	0.42	(0-20)	MCAWW 160.1	03/03/04	4063572
		Dilution Factor: 1			Analysis Time..: 16:00		
Total Organic Carbon		WO#:GA9QM1AC-LCS/GA9QM1AD-LCSD				LCS Lot-Sample#: D4C150000-405	
	106	(90 - 110)			MCAWW 415.1	03/12/04	4075405
	104	(90 - 110)	2.1	(0-10)	MCAWW 415.1	03/12/04	4075405
		Dilution Factor: 1			Analysis Time..: 16:00		
Total Sulfide		WO#:GAT851AC-LCS/GAT851AD-LCSD				LCS Lot-Sample#: D4C080000-533	
	71	(70 - 130)			SW846 9030B/9034	03/08/04	4068533
	71	(70 - 130)	0.0	(0-20)	SW846 9030B/9034	03/08/04	4068533
		Dilution Factor: 1			Analysis Time..: 10:00		

NOTE(S):

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

LABORATORY CONTROL SAMPLE DATA REPORT

General Chemistry

Lot-Sample #...: D4C020141 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Biochemical Oxygen Demand (BOD)		WO#:GAKPV1AC-LCS/GAKPV1AD-LCSD				LCS Lot-Sample#: D4C030000-595		
	198	198	mg/L	100		MCAWW 405.1	03/03/04	4063595
	198	180	mg/L	91	9.5	MCAWW 405.1	03/03/04	4063595
		Dilution Factor: 1				Analysis Time..: 08:45		
Chemical Oxygen Demand (COD)		WO#:GA0QG1AC-LCS/GA0QG1AD-LCSD				LCS Lot-Sample#: D4C100000-252		
	100	89.9	mg/L	90		MCAWW 410.4	03/09/04	4070252
	100	87.9	mg/L	88	2.2	MCAWW 410.4	03/09/04	4070252
		Dilution Factor: 1				Analysis Time..: 19:50		
Chloride		WO#:GAMR61AC-LCS/GAMR61AD-LCSD				LCS Lot-Sample#: D4C030000-398		
	20.0	20.2	mg/L	101		MCAWW 300.0A	03/02/04	4063398
	20.0	20.2	mg/L	101	0.05	MCAWW 300.0A	03/02/04	4063398
		Dilution Factor: 1				Analysis Time..: 12:54		
Fluoride		WO#:GAMQT1AC-LCS/GAMQT1AD-LCSD				LCS Lot-Sample#: D4C030000-399		
	4.00	4.14	mg/L	104		MCAWW 300.0A	03/02/04	4063399
	4.00	4.15	mg/L	104	0.24	MCAWW 300.0A	03/02/04	4063399
		Dilution Factor: 1				Analysis Time..: 12:54		
Nitrate		WO#:GAMTX1AC-LCS/GAMTX1AD-LCSD				LCS Lot-Sample#: D4C030000-400		
	4.00	3.97	mg/L	99		MCAWW 300.0A	03/02/04	4063400
	4.00	3.96	mg/L	99	0.25	MCAWW 300.0A	03/02/04	4063400
		Dilution Factor: 1				Analysis Time..: 12:54		
Specific Conductance		WO#:GA7R81AC-LCS/GA7R81AD-LCSD				LCS Lot-Sample#: D4C120000-539		
	1410	1420	umhos/cm	100		MCAWW 120.1	03/12/04	4072539
	1410	1410	umhos/cm	100	0.28	MCAWW 120.1	03/12/04	4072539
		Dilution Factor: 1				Analysis Time..: 17:00		
Sulfate		WO#:GAMVL1AC-LCS/GAMVL1AD-LCSD				LCS Lot-Sample#: D4C030000-397		
	20.0	20.1	mg/L	101		MCAWW 300.0A	03/02/04	4063397
	20.0	20.1	mg/L	101	0.05	MCAWW 300.0A	03/02/04	4063397
		Dilution Factor: 1				Analysis Time..: 12:54		

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LABORATORY CONTROL SAMPLE DATA REPORT

General Chemistry

Lot-Sample #...: D4C020141 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Alkalinity		WO#:GA4871AC-LCS/GA4871AD-LCSD				LCS Lot-Sample#: D4C110000-468		
	200	197	mg/L	99		MCAWW 310.1	03/10/04	4071468
	200	195	mg/L	98	1.2	MCAWW 310.1	03/10/04	4071468
		Dilution Factor: 1				Analysis Time..: 18:00		
Total Dissolved Solids		WO#:GAWM31AC-LCS/GAWM31AD-LCSD				LCS Lot-Sample#: D4C030000-572		
	500	474	mg/L	95		MCAWW 160.1	03/03/04	4063572
	500	476	mg/L	95	0.42	MCAWW 160.1	03/03/04	4063572
		Dilution Factor: 1				Analysis Time..: 16:00		
Total Organic Carbon		WO#:GA9QM1AC-LCS/GA9QM1AD-LCSD				LCS Lot-Sample#: D4C150000-405		
	25.0	26.6	mg/L	106		MCAWW 415.1	03/12/04	4075405
	25.0	26.0	mg/L	104	2.1	MCAWW 415.1	03/12/04	4075405
		Dilution Factor: 1				Analysis Time..: 16:00		
Total Sulfide		WO#:GAT851AC-LCS/GAT851AD-LCSD				LCS Lot-Sample#: D4C080000-533		
	18.2	13.0	mg/L	71		SW846 9030B/9034	03/08/04	4068533
	18.2	13.0	mg/L	71	0.0	SW846 9030B/9034	03/08/04	4068533
		Dilution Factor: 1				Analysis Time..: 10:00		

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: D4C020141 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Cyanide, Total		Work Order #: GA3C31AC	LCS Lot-Sample#: D4C110000-216		
	102	(89 - 109)	SW846 9012A	03/10/04	4071216
		Dilution Factor: 1	Analysis Time..: 16:00		
Total Organic Halogens		Work Order #: GCCFV1AC	LCS Lot-Sample#: D4C160000-400		
	97	(75 - 113)	SW846 9020B	03/13/04	4076400
		Dilution Factor: 1	Analysis Time..: 12:00		

NOTE(S):

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

LABORATORY CONTROL SAMPLE DATA REPORT

General Chemistry

Client Lot #...: D4C020141 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Cyanide, Total			Work Order #: GA3C31AC		LCS Lot-Sample#:	D4C110000-216	
	0.100	0.102	mg/L	102	SW846 9012A	03/10/04	4071216
			Dilution Factor: 1		Analysis Time..: 16:00		
Total Organic Halogens			Work Order #: GCCFV1AC		LCS Lot-Sample#:	D4C160000-400	
	100	97.0	ug/L	97	SW846 9020B	03/13/04	4076400
			Dilution Factor: 1		Analysis Time..: 12:00		

NOTE(S):

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

MATRIX SPIKE SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: D4C020141 **Matrix.....:** WATER
Date Sampled...: 03/03/04 08:40 **Date Received..:** 03/03/04

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chemical Oxygen Demand (COD)		WO#: GAFLG1C0-MS/GAFLG1C1-MSD				MS Lot-Sample #: D4C020141-001	
	67 N	(74 - 109)			MCAWW 410.4	03/09/04	4070252
	60 N	(74 - 109)	10	(0-11)	MCAWW 410.4	03/09/04	4070252
		Dilution Factor: 1					
		Analysis Time..: 19:50					
Chloride		WO#: GAFLG1CR-MS/GAFLG1CT-MSD				MS Lot-Sample #: D4C020141-001	
	107 I	(80 - 120)			MCAWW 300.0A	03/02/04	4063398
	107 I	(80 - 120)	0.25	(0-10)	MCAWW 300.0A	03/02/04	4063398
		Dilution Factor: 1					
		Analysis Time..: 16:48					
Cyanide, Total		WO#: GAGEX1A7-MS/GAGEX1A8-MSD				MS Lot-Sample #: D4C020245-001	
	102	(78 - 120)			SW846 9012A	03/10/04	4071216
	101	(78 - 120)	0.98	(0-20)	SW846 9012A	03/10/04	4071216
		Dilution Factor: 1					
		Analysis Time..: 16:00					
Fluoride		WO#: GAFLG1CP-MS/GAFLG1CQ-MSD				MS Lot-Sample #: D4C020141-001	
	100	(80 - 120)			MCAWW 300.0A	03/02/04	4063399
	100	(80 - 120)	0.56	(0-10)	MCAWW 300.0A	03/02/04	4063399
		Dilution Factor: 1					
		Analysis Time..: 16:48					
Nitrate		WO#: GAFLG1CU-MS/GAFLG1CV-MSD				MS Lot-Sample #: D4C020141-001	
	103	(80 - 120)			MCAWW 300.0A	03/02/04	4063400
	104	(80 - 120)	0.58	(0-10)	MCAWW 300.0A	03/02/04	4063400
		Dilution Factor: 1					
		Analysis Time..: 16:48					
Sulfate		WO#: GAFLG1CW-MS/GAFLG1CX-MSD				MS Lot-Sample #: D4C020141-001	
	106	(80 - 120)			MCAWW 300.0A	03/02/04	4063397
	106	(80 - 120)	0.11	(0-10)	MCAWW 300.0A	03/02/04	4063397
		Dilution Factor: 1					
		Analysis Time..: 17:35					
Total Organic Halogens		WO#: GACLK1AC-MS/GACLK1AD-MSD				MS Lot-Sample #: D4B270352-003	
	105	(75 - 113)			SW846 9020B	03/12-03/13/04	4074114
	91	(75 - 113)	14	(0-30)	SW846 9020B	03/12-03/13/04	4074114
		Dilution Factor: 1					
		Analysis Time..: 12:00					

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MATRIX SPIKE SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: D4C020141 **Matrix.....:** WATER
Date Sampled...: 03/03/04 08:40 **Date Received..:** 03/03/04

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon		WO#: GAH7L1CK-MS/GAH7L1CL-MSD				MS Lot-Sample #: D4C030200-001	
	103	(85 - 117)			MCAWW 415.1	03/12/04	4075404
	109	(85 - 117)	5.3	(0-10)	MCAWW 415.1	03/12/04	4075404
		Dilution Factor: 1					
		Analysis Time..: 13:00					

NOTE(S):

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

N Spiked analyte recovery is outside stated control limits.

I Estimated result. Result concentration exceeds the calibration range.

MATRIX SPIKE SAMPLE DATA REPORT

General Chemistry

Client Lot #...: D4C020141 **Matrix.....:** WATER
Date Sampled...: 03/03/04 08:40 **Date Received..:** 03/03/04

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chemical Oxygen Demand (COD)			WO#: GAFLG1C0-MS/GAFLG1C1-MSD				MS Lot-Sample #: D4C020141-001		
	ND	50.0	33.5 N	mg/L	67		MCAWW 410.4	03/09/04	4070252
	ND	50.0	30.2 N	mg/L	60	10	MCAWW 410.4	03/09/04	4070252
			Dilution Factor: 1						
			Analysis Time..: 19:50						
Chloride			WO#: GAFLG1CR-MS/GAFLG1CT-MSD				MS Lot-Sample #: D4C020141-001		
	24	25.0	50.3 I	mg/L	107		MCAWW 300.0A	03/02/04	4063398
	24	25.0	50.5 I	mg/L	107	0.25	MCAWW 300.0A	03/02/04	4063398
			Dilution Factor: 1						
			Analysis Time..: 16:48						
Cyanide, Total			WO#: GAGEX1A7-MS/GAGEX1A8-MSD				MS Lot-Sample #: D4C020245-001		
	ND	0.100	0.102	mg/L	102		SW846 9012A	03/10/04	4071216
	ND	0.100	0.101	mg/L	101	0.98	SW846 9012A	03/10/04	4071216
			Dilution Factor: 1						
			Analysis Time..: 16:00						
Fluoride			WO#: GAFLG1CP-MS/GAFLG1CQ-MSD				MS Lot-Sample #: D4C020141-001		
	0.30	5.00	5.29	mg/L	100		MCAWW 300.0A	03/02/04	4063399
	0.30	5.00	5.32	mg/L	100	0.56	MCAWW 300.0A	03/02/04	4063399
			Dilution Factor: 1						
			Analysis Time..: 16:48						
Nitrate			WO#: GAFLG1CU-MS/GAFLG1CV-MSD				MS Lot-Sample #: D4C020141-001		
	ND	5.00	5.16	mg/L	103		MCAWW 300.0A	03/02/04	4063400
	ND	5.00	5.19	mg/L	104	0.58	MCAWW 300.0A	03/02/04	4063400
			Dilution Factor: 1						
			Analysis Time..: 16:48						
Sulfate			WO#: GAFLG1CW-MS/GAFLG1CX-MSD				MS Lot-Sample #: D4C020141-001		
	53	125	185	mg/L	106		MCAWW 300.0A	03/02/04	4063397
	53	125	186	mg/L	106	0.11	MCAWW 300.0A	03/02/04	4063397
			Dilution Factor: 1						
			Analysis Time..: 17:35						
Total Organic Halogens			WO#: GACLK1AC-MS/GACLK1AD-MSD				MS Lot-Sample #: D4B270352-003		
	ND	200	210	ug/L	105		SW846 9020B	03/12-03/13/04	4074114
	ND	200	182	ug/L	91	14	SW846 9020B	03/12-03/13/04	4074114
			Dilution Factor: 1						
			Analysis Time..: 12:00						

(Continued on next page)

MATRIX SPIKE SAMPLE DATA REPORT

General Chemistry

Client Lot #...: D4C020141 **Matrix.....:** WATER
Date Sampled...: 03/03/04 08:40 **Date Received..:** 03/03/04

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon			WO#: GAH7L1CK-MS/GAH7L1CL-MSD				MS Lot-Sample #: D4C030200-001		
	0.58	25.0	26.4	mg/L	103		MCAWW 415.1	03/12/04	4075404
	0.58	25.0	27.8	mg/L	109	5.3	MCAWW 415.1	03/12/04	4075404

Dilution Factor: 1
Analysis Time..: 13:00

NOTE(S):

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

N Spiked analyte recovery is outside stated control limits.

I Estimated result. Result concentration exceeds the calibration range.

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: D4C020141 **Work Order #...:** GAGDL-SMP GAGDL-DUP **Matrix.....:** WATER

Date Sampled...: 03/01/04 12:35 **Date Received..:** 03/02/04

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Dissolved Solids						SD Lot-Sample #:	D4C020239-001	
	2400	2400	mg/L	0.084	(0-20)	MCAWW 160.1	03/03/04	4063572

Dilution Factor: 1 Analysis Time..: 16:00

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: D4C020141 **Work Order #...:** GAG5E-SMP GAG5E-DUP **Matrix.....:** WATER

Date Sampled...: 03/02/04 11:30 **Date Received..:** 03/02/04

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Biochemical Oxygen Demand (BOD)						SD Lot-Sample #:	D4C020313-001	
	350	430	mg/L	22	(0-20)	MCAWW 405.1	03/03/04	4063595

Dilution Factor: 1 Analysis Time..: 08:45

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: D4C020141 **Work Order #...:** GAEDK-SMP GAEDK-DUP **Matrix.....:** WATER

Date Sampled...: 02/27/04 11:45 **Date Received..:** 03/01/04

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total	Alkalinity					SD Lot-Sample #:	D4C010157-001	
	920	940	mg/L	2.7	(0-10)	MCAWW 310.1	03/10/04	4071468

Dilution Factor: 1 Analysis Time..: 18:00

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: D4C020141 **Work Order #...:** GAFLG-SMP GAFLG-DUP **Matrix.....:** WATER

Date Sampled...: 03/01/04 09:55 **Date Received..:** 03/02/04

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Specific Conductance						SD Lot-Sample #:	D4C020141-001	
	730	730	umhos/cm	0.27	(0-7.0)	MCAWW 120.1	03/12/04	4072539

Dilution Factor: 1 Analysis Time..: 17:00

[redacted]

Chain of Custody Record

STL Denver
4955 Yarrow Street
Arvada, CO 80002

3.9.4.6
3/2/04

SEVERN TRENT SERVICES

Severn Trent Laboratories, Inc.

STL-4124 (1200) DEN (0900)

Client	Project Manager	Date	Chain of Custody Number
SCS - ENG c/o WASTE MGMT	TINA SCHMIESING	3/1/04	091587
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page 1 of 1**
3711 LONG BEACH BLVD 9TH	1 800 326 9544		
City / State / Zip Code	**Site Contact / Lab Contact**		
LONG BEACH / CA / 90807	BRUCE M. / BETSY F		
Project Name and Location (State)	**Carrier/Waybill Number**		
Bradley LF.			
Contract/Purchase Order/Quote No.			
234-25662-C			

Analysis (Attach list if more space is needed)

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Air	Aqueous	Sed.	Soil		Unpres.	H2SO4	HNOS	HCl	NaOH	ZnAc/NaOH		Cond.	Total Alk.	Sulfate/Cl	TDS	Metals Tot.	TOC	COD/TOC	VOA	Metals Diss.	BOD	Alg/Ba	BNA	Cd	T-Sup	Special Instructions/ Conditions of Receipt
4916 H	3/1/04	0955		X				5	2	2	3	1	1		X	X	X	X	X	X	X	X	X	X	X	X	X	X	
(7) FIELD BLANK	3/1/04	1008		X							1											X							(7) Collected near well.
4916 F	3/1/04	1045		X				5	2	2	3	1	1		X	X	X	X	X	X	X	X	X	X	X	X	X	X	
4916 L	3/1/04	1255		X				5	2	2	3	1	1		X	X	X	X	X	X	X	X	X	X	X	X	X	X	

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 3 months)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other_____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By	3/1/04	1410	1. Received By	3/2/04	0900
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments

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DISTRIBUTION: WHITE - Stays with the Sample, CANARY - Returned to Client with Report; PINK - Field Copy

FIELD INFORMATION FORM

WASTE MANAGEMENT

Site Name: BRADLEY LF

Site No.:

Sample Point: 4916 H (Sample ID)

This Waste Management Field Information Form is Required
This form is to be completed, in addition to any State Forms. The Field Form is submitted along with the Chain of Custody Forms that accompany the sample containers (i.e. with the cooler that is returned to the laboratory).

Laboratory Use Only/Lab ID: DMC020141-001

PURGE INFO

PURGE DATE (MM DD YY)	PURGE TIME (2400 Hr Clock)	ELAPSED HRS (hrs:min)	WATER VOL IN CASING (Gallons)	ACTUAL VOL PURGED (Gallons)	WELL VOLs PURGED
030104	0915	-40	59	260	

Note: For Passive Sampling, replace "Water Vol in Casing" and "Well Vols Purged" w/ Water Vol in Tubing/Flow Cell and Tubing/Flow Cell Vols Purged. Mark changes, record field data, below.

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment ... Dedicated: (Y) or N

Filter Device: (Y) or N (0.45 µ) or _____ µ (circle or fill in)

Purging Device: E — A- Submersible Pump, B-Peristaltic Pump, C-QED Bladder Pump, D-Bailer, E-Piston Pump, F-Dipper/Bottle

Sampling Device: E

X-Other:

Filter Type: A — A-In-line Disposable, B-Pressure, C-Vacuum, X-Other

Sample Tube Type: A — A-Teflon, B-Stainless Steel, C-PVC, D-Polypropylene, X-Other:

WELL DATA

Well Elevation (at TOC): 86023 (ft/msl)

Depth to Water (DTW) (from TOC): 246- (ft)

Groundwater Elevation (site datum, from TOC): (ft/msl)

Total Well Depth (from TOC): 337- (ft)

Stick Up (from ground elevation): (ft)

Casing ID: 4.0 (in)

Casing Material: PVC

Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data, unless required by Site/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

STABILIZATION DATA (Optional)

Sample Time (2400 Hr Clock)	Rate/Unit	pH (std)	Conductance (SC/EC) (µmhos/cm @ 25 °C)	Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
0925	4.0 1st	7.09 1st	.729 1st	17.6	10	1.2	-	-
0930	8.0 2nd	7.12 2nd	.728 2nd	17.4	10	0.8	-	-
0935	12.0 3rd	7.11 3rd	.731 3rd	17.9	0.4	1.1	-	-
0940	16.0 4th	7.10 4th	.735 4th	17.9	0.4	1.1	-	-
0945	20.0	7.10	.735	18.0	1.0	1.2	-	-
0950	24.0	7.09	.739	18.0	1.0	1.4	-	-
0952	26.0	7.09	.739	18.1	1.0	1.5	-	-
Suggested range for 3 consec. readings or note Permit/State requirements:		+/- 0.2	+/- 3%	--	--	+/- 10%	+/- 25 mV	Stabilize

Stabilization Data Fields are Optional *(i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State/Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form.*

FIELD DATA

SAMPLE DATE (MM DD YY)	pH (std)	CONDUCTANCE (umhos/cm @ 25°C)	TEMP. (°C)	TURBIDITY (ntu)	DO (mg/L-ppm)	eH/ORP (mV)	Other: Units gal.
030104	7.09	.739	18.1	1.0	1.5	-	-

Final Field Readings are required *(i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site.*

FIELD COMMENTS

Sample Appearance: clear Odor: None Color: Clear Other:

Weather Conditions (required daily, or as conditions change): Direction/Speed: Outlook: Precipitation: Y or (N)

Specific Comments (including purge/well volume calculations if required):

+ Samples collected after reading had stabilized @ 20 gal
- Samples collected @ 0955 HRS.
- Field Blank collected near well @ 1008 HRS.

I certify that sampling procedures were in accordance with applicable EPA, State, and WM protocols (if more than one sampler, all should sign):

Date	Name	Signature	Company
03/01/04	Ernesto Martinez	[signature]	SCS-DS

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample. YELLOW - Returned to Client. PINK - Field Copy

STL-8029WM R 12/00

FIELD INFORMATION FORM

WASTE MANAGEMENT

Site Name: BRADLEY LF

Site No.:

Sample Point: 4916 F (Sample ID)

This Waste Management Field Information Form is Required
This form is to be completed, in addition to any State Forms. The Field Form is submitted along with the Chain of Custody Forms that accompany the sample containers (i.e. with the cooler that is returned to the laboratory).

Laboratory Use Only/Lab ID: DM020141-003

PURGE INFO

PURGE DATE (MM DD YY)	PURGE TIME (2400 Hr Clock)	ELAPSED HRS (hrs:min)	WATER VOL IN CASING (Gallons)	ACTUAL VOL PURGED (Gallons)	WELL VOLs PURGED
030104	0922	— 145	150	100	

Note: For Passive Sampling, replace "Water Vol in Casing" and "Well Vols Purged" w/ Water Vol in Tubing/Flow Cell and Tubing/Flow Cell Vols Purged. Mark changes, record field data, below.

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment ... Dedicated: (Y) or N

Purging Device: E — A- Submersible Pump, B-Peristaltic Pump, C-QED Bladder Pump, D-Bailer, E-Piston Pump, F-Dipper/Bottle

Sampling Device: E

X-Other:

Filter Device: (Y) or N — (0.45 µ) or ____ µ (circle or fill in)

Filter Type: A — A-In-line Disposable, B-Pressure, C-Vacuum, X-Other

Sample Tube Type: A — A-Teflon, B-Stainless Steel, C-PVC, D-Polypropylene, X-Other:

WELL DATA

Well Elevation (at TOC): 2810 (ft/msl)

Depth to Water (DTW) (from TOC): 2430 (ft)

Groundwater Elevation (site datum, from TOC): ____ (ft/msl)

Total Well Depth (from TOC): 254 — (ft)

Stick Up (from ground elevation): ____ (ft)

Casing ID: 4.5 (in)

Casing Material: PVC

Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data, unless required by Site/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

STABILIZATION DATA (Optional)

Sample Time (2400 Hr Clock)	Rate/Unit	pH (std)	Conductance (SC/EC) (µmhos/cm @ 25 °C)	Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
1027	3.0 1st	7.10 1st	.748 1st	18.9	0.9	2.4	—	—
1034	7.0 2nd	7.04 2nd	.750 2nd	18.6	0.8	1.4	—	—
1040	10.0 3rd	7.05 3rd	.751 3rd	18.8	0.8	1.2	—	—
	4th	4th						
Suggested range for 3 consec. readings or note Permit/State requirements:		+/- 0.2	+/- 3%	--	--	+/- 10%	+/- 25 mV	Stabilize

Stabilization Data Fields are Optional *(i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State/Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form.*

FIELD DATA

SAMPLE DATE (MM DD YY)	pH (std)	CONDUCTANCE (umhos/cm @ 25°C)	TEMP. (°C)	TURBIDITY (ntu)	DO (mg/L-ppm)	eH/ORP (mV)	Other: Units gal.
030104	7.05	.751	18.8	0.8	1.2	—	—

Final Field Readings are required *(i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site.*

FIELD COMMENTS

Sample Appearance: clear — Odor: None — Color: clear — Other:

Weather Conditions (required daily, or as conditions change): Direction/Speed: ____ Outlook: ____ Precipitation: Y or (N)

Specific Comments (including purge/well volume calculations if required):

* Samples collected after all readings had stabilized. @ 10 gal.
* Samples collected @ 1045 HRS

I certify that sampling procedures were in accordance with applicable EPA, State, and WM protocols (if more than one sampler, all should sign):

Date	Name	Signature	Company
03/01/04	Ernesto Martinez	[signature]	SCS-FS.

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy

STL-8029WM Rev. 12/00

FIELD INFORMATION FORM

WASTE MANAGEMENT

Site Name: BRADLEY LF

Site No.:

Sample Point: 4916 L (Sample ID)

This Waste Management Field Information Form is Required
This form is to be completed, in addition to any State Forms. The Field Form is submitted along with the Chain of Custody Forms that accompany the sample containers (i.e. with the cooler that is returned to the laboratory).

Laboratory Use Only/Lab ID: D4L0201460V4

PURGE INFO

PURGE DATE (MM DD YY)	PURGE TIME (2400 Hr Clock)	ELAPSED HRS (hrs:min)	WATER VOL IN CASING (Gallons)	ACTUAL VOL PURGED (Gallons)	WELL VOLs PURGED
030104	1130	1:25	160	50	

Note: For Passive Sampling, replace "Water Vol in Casing" and "Well Vols Purged" w/ Water Vol in Tubing/Flow Cell and Tubing/Flow Cell Vols Purged. Mark changes, record field data, below.

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment ... Dedicated: (Y) or N

Filter Device: (Y) or N (0.45 µ) or ____ µ (circle or fill in)

Purging Device: C — A- Submersible Pump, B-Peristaltic Pump, C-QED Bladder Pump, D-Bailer, E-Piston Pump, F-Dipper/Bottle

Sampling Device: C

X-Other:

Filter Type: A — A-In-line Disposable, B-Pressure, C-Vacuum, X-Other

Sample Tube Type: A — A-Teflon, B-Stainless Steel, C-PVC, D-Polypropylene, X-Other:

WELL DATA

Well Elevation (at TOC): 86090 (ft/msl)

Depth to Water (DTW) (from TOC): 24116 (ft)

Groundwater Elevation (site datum, from TOC): ____ (ft/msl)

Total Well Depth (from TOC): 266+ (ft)

Stick Up (from ground elevation): ____ (ft)

Casing ID: 4.0 (in)

Casing Material: PVC

Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data, unless required by Site/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

STABILIZATION DATA (Optional)

	Sample Time (2400 Hr Clock)	Rate/Unit	pH (std)	Conductance (SC/EC) (µmhos/cm @ 25 °C)	Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
1st	1147	1.0	775	.638	18.8	2.9	2.7	—	—
2nd	1218	3.0	774	.636	18.6	1.6	4.3	—	—
3rd	1250	5.0	773	.636	18.4	0.1	3.9	—	—
4th									
Suggested range for 3 consec. readings or note Permit/State requirements:			+/- 0.2	+/- 3%	--	--	+/- 10%	+/- 25 mV	Stabilize

Stabilization Data Fields are Optional *(i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State/Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form.*

FIELD DATA

SAMPLE DATE (MM DD YY)	pH (std)	CONDUCTANCE (umhos/cm @ 25°C)	TEMP. (°C)	TURBIDITY (ntu)	DO (mg/L-ppm)	eH/ORP (mV)	Other: Units gal.
030104	773	.636	18.4		3.9	—	—

Final Field Readings are required *(i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site.*

FIELD COMMENTS

Sample Appearance: clear Odor: none Color: clear Other:

Weather Conditions (required daily, or as conditions change): Direction/Speed: Outlook: Precipitation: Y or (N)

Specific Comments (including purge/well volume calculations if required):

* Samples collected after all readings had stabilized @ 5 gal.

* Samples collected @ 1255 HRS.

I certify that sampling procedures were in accordance with applicable EPA, State, and WM protocols (if more than one sampler, all should sign):

Date	Name	Signature	Company
09/01/04	Ernesto Martinez	[signature]	SCS-PS-

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy

SEVERN TRENT STL

STL Denver
4955 Yarrow Street
Arvada, CO 80002

Tel: 303 736 0100 Fax: 303 431 7171
www.stlinc.com

ANALYTICAL REPORT

Project No. Site 234

Bradley LF

Lot #: D4C050145

Groundwater

Bruce Matlock

Waste Mgmt. Disp. Serv. of CA
9081 Tujunga
Sun Valley, CA 91352

Cc: Tina Schmiesing

STL DENVER

Betsy Farnaus
Project Manager

March 24, 2004

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- **Table of Contents**
- **Case Narrative**
- **Executive Summary – Detection Highlights**
- **Methods Summary**
- **Method/Analyst Summary**
- **Lot Sample Summary**
- **Analytical Results**
- **QC Data Association Summary**
- **Chain-of-Custody**

Case Narrative

Enclosed is the report for one sample received at STL's Denver laboratory on March 5, 2004. The results included in this report have been reviewed for compliance with STL's Laboratory Quality Manual. The test results shown in this report meet all requirements of NELAC and any exceptions are noted below.

This report may include data with reporting limits (RLs) less than STL Denver's standard reporting limits. These data and reporting limits are being used specifically to meet the needs of this project. Note that, data are not customarily reported to these levels without qualifiers, because they are inherently less reliable and potentially less defensible than the latest industry standards require. Please contact STL Denver for more details.

Dilution factors and footnotes have been provided to assist in the interpretation of the results. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at concentrations above the linear calibration curve, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

STL utilizes USEPA approved methods in all analytical work. The samples presented in this report were analyzed for the parameters listed on the analytical methods summary page in accordance with the methods indicated. A summary of quality control parameters is provided below.

This report shall not be reproduced except in full, without the written approval of the laboratory.

Quality Control Summary for Lot D4C050145

Sample Receiving

- The cooler temperature upon receipt at the Denver laboratory was 5.6°C.
- The Chain of Custody records the sample date as March 1, 2004, however the field information form records the sample date as March 4, 2004. The sample was logged into the laboratory system with the sample date of March 4, 2004.
- All sample bottles were received in acceptable condition.

Holding Times

- All holding times were within established control limits.

Method Blanks

- Methylene Chloride Method 8260B, Total Potassium, Total Silver, Total Beryllium and Dissolved Potassium Method 6010B were detected in the Method Blanks below the project established reporting limits. No corrective action is taken for any values in Method Blanks that are below the requested reporting limits. The Method Blank data are included at the end of this report.
- All other Method Blanks were within established control limits.

Laboratory Control Samples

- All Laboratory Control Samples were within established control limits.

Matrix Spike and Matrix Spike Duplicate (MS/MSD)

- The method required MS/MSD could not be performed for Method 8270C due to insufficient sample volume, however a LCS/LCSD pair was analyzed to demonstrate method precision.

- The Matrix Spike and Matrix Spike Duplicate performed on an unrelated sample exhibited MS and/or MSD recoveries outside control limits for Total Silver, Total Arsenic and Total Boron. Because the corresponding Laboratory Control Sample and the Method Blank sample were within control limits, these anomalies may be due to matrix interference and no corrective action was taken.

- The percent recoveries of the MS/MSD and/or the relative percent difference were not calculated for Total Potassium and Dissolved Calcium during Method 6010B analysis because the sample concentration was greater than four times the spike amount.

- Due to the result concentration exceeding the calibration range the MS/MSD results for Chloride Method 300.0A are estimated.

- All other MS and MSD samples were within established control limits.

EXECUTIVE SUMMARY - Detection Highlights

D4C050145

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
4916J 03/04/04 09:30 001				
Calcium - DISSOLVED	88000	200	ug/L	SW846 6010B
Magnesium - DISSOLVED	24000	200	ug/L	SW846 6010B
Sodium - DISSOLVED	29000	5000	ug/L	SW846 6010B
Potassium - DISSOLVED	5200 J	5000	ug/L	SW846 6010B
Iron - DISSOLVED	58 B	100	ug/L	SW846 6010B
Mercury	0.17 B	0.20	ug/L	SW846 7470A
Silver	1.2 B,J	10	ug/L	SW846 6010B
Manganese	190	10	ug/L	SW846 6010B
Barium	160	100	ug/L	SW846 6010B
Potassium	4900	5000	ug/L	SW846 6010B
	Qualifiers: B,J,L			
Beryllium	0.88 B,J	5.0	ug/L	SW846 6010B
Boron	160	100	ug/L	SW846 6010B
Benzene	0.43 J	1.0	ug/L	SW846 8260B
Chlorobenzene	0.29 J	5.0	ug/L	SW846 8260B
1,4-Dichlorobenzene	1.0 J	10	ug/L	SW846 8260B
Dichlorodifluoromethane	0.64 J	10	ug/L	SW846 8260B
1,1-Dichloroethane	1.3 J	5.0	ug/L	SW846 8260B
cis-1,2-Dichloroethene	1.9 J	10	ug/L	SW846 8260B
1,2-Dichloropropane	0.61 J	5.0	ug/L	SW846 8260B
Methylene chloride	0.53 J,B	5.0	ug/L	SW846 8260B
Tetrachloroethene	0.60 J	5.0	ug/L	SW846 8260B
Trichloroethene	0.28 J	5.0	ug/L	SW846 8260B
Vinyl chloride	3.1	1.0	ug/L	SW846 8260B
Specific Conductance	730	2.0	umhos/cm	MCAWW 120.1
Total Dissolved Solids	430	10	mg/L	MCAWW 160.1
Biochemical Oxygen Demand (BOD)	7.1	2.0	mg/L	MCAWW 405.1
Chloride	25	3.0	mg/L	MCAWW 300.0A
Sulfate	50 Q	25	mg/L	MCAWW 300.0A
Total Organic Carbon	0.66 B	1.0	mg/L	MCAWW 415.1
Total Organic Halogens	7.0 B	30	ug/L	SW846 9020B
Total Organic Halogens	9.0 B	30	ug/L	SW846 9020B
Bicarbonate Alkalinity	290	5.0	mg/L	MCAWW 310.1
Total Alkalinity	290	5.0	mg/L	MCAWW 310.1

PREPARATION METHODS SUMMARY

D4C050145

PREPARATION DESCRIPTION	PREPARATION METHOD	ANALYTICAL METHOD
Acid Digestion for Total Recoverable Metals	SW846 3005A	SW846 6010B
Bicarbonate Alkalinity	MCAWW 310.1	MCAWW 310.1
Carbonate Alkalinity	MCAWW 310.1	MCAWW 310.1
Chemical Oxygen Demand	MCAWW 410.4	MCAWW 410.4
Chloride	MCAWW 300.0A	MCAWW 300.0A
Continuous Liquid-Liquid Extraction	SW846 3520C	SW846 8270C
Distillation procedure	SW846 9012A	SW846 9012A
Filterable Residue (TDS)	MCAWW 160.1	MCAWW 160.1
Fluoride	MCAWW 300.0A	MCAWW 300.0A
Incubation	MCAWW 405.1	MCAWW 405.1
Mercury Sample Preparation	SW846 7470A	SW846 7470A
Nitrate	MCAWW 300.0A	MCAWW 300.0A
Potentiometric titration to preselected pH	MCAWW 310.1	MCAWW 310.1
Specific Conductance	MCAWW 120.1	MCAWW 120.1
Sulfate	MCAWW 300.0A	MCAWW 300.0A
Sulfides, Total	SW846 9030B/903	SW846 9030B/903
Total Organic Carbon	MCAWW 415.1	MCAWW 415.1
Total Organic Halogens	SW846 9020B	SW846 9020B
25 mL Purge-and-Trap	SW846 5030B/826	SW846 8260B

References:

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

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

ANALYTICAL METHODS SUMMARY

D4C050145

PARAMETER	ANALYTICAL METHOD
Alkalinity	MCAWW 310.1
Bicarbonate Alkalinity	MCAWW 310.1
Biochemical Oxygen Demand	MCAWW 405.1
Carbonate Alkalinity	MCAWW 310.1
Chemical Oxygen Demand	MCAWW 410.4
Chloride	MCAWW 300.0A
Cyanide, Total	SW846 9012A
Filterable Residue (TDS)	MCAWW 160.1
Fluoride	MCAWW 300.0A
Inductively Coupled Plasma (ICP) Metals	SW846 6010B
Mercury in Liquid Waste (Manual Cold-Vapor)	SW846 7470A
Nitrate as N	MCAWW 300.0A
Semivolatile Organic Compounds by GC/MS	SW846 8270C
Specific Conductance	MCAWW 120.1
Sulfate	MCAWW 300.0A
Sulfides, Total 9030B/9034	SW846 9030B/9034
Total Organic Carbon	MCAWW 415.1
Total Organic Halogens	SW846 9020B
Trace Inductively Coupled Plasma (ICP) Metals	SW846 6010B
Volatile Organics by GC/MS	SW846 8260B

References:

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

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

METHOD / ANALYST SUMMARY

D4C050145

ANALYTICAL METHOD	ANALYST	ANALYST ID
MCAWW 120.1	Maria Fayard	002596
MCAWW 160.1	Jean Carrier	008763
MCAWW 300.0A	Andrita Scofield	004409
MCAWW 310.1	Maria Fayard	002596
MCAWW 405.1	Jaclyn Dlhos	009462
MCAWW 410.4	Nicole Dean	008504
MCAWW 415.1	Duane Allee	001470
SW846 6010B	Kristen Roda	005692
SW846 6010B	Kristen Roda	5692
SW846 6010B	Lynn-Anne Trudell	006645
SW846 6010B	Lynn-Anne Trudell	6645
SW846 7470A	Kacey Ono	003371
SW846 8260B	Mike G. Hoffman	001880
SW846 8270C	Rwanda Todea	005716
SW846 9012A	Ewa Kudla	001167
SW846 9020B	Duane Allee	001470
SW846 9030B/9034	Dave Elkin	000901

References:

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

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

SAMPLE SUMMARY

D4C050145

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
GANTG	001	4916J	03/04/04	09:30

NOTE(S):

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

WASTE MANAGEMENT INC.

Client Sample ID: 4916J

GC/MS Volatiles

Lot-Sample #...: D4C050145-001 **Work Order #...:** GANTG1AT **Matrix.....:** WATER
Date Sampled...: 03/04/04 09:30 **Date Received..:** 03/05/04
Prep Date.....: 03/13/04 **Analysis Date..:** 03/13/04
Prep Batch #...: 4079535 **Analysis Time..:** 18:46
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	34	ug/L	2.5
Acrylonitrile	ND	100	ug/L	3.1
Benzene	**0.43 J**	**1.0**	**ug/L**	**0.17**
Bromochloromethane	ND	10	ug/L	0.27
Bromodichloromethane	ND	5.0	ug/L	0.20
Bromoform	ND	5.0	ug/L	0.23
Bromomethane	ND	10	ug/L	0.22
Carbon disulfide	ND	5.0	ug/L	0.24
Carbon tetrachloride	ND	0.50	ug/L	0.20
Chlorobenzene	**0.29 J**	**5.0**	**ug/L**	**0.13**
Dibromochloromethane	ND	5.0	ug/L	0.19
Chloroethane	ND	10	ug/L	0.18
Chloroform	ND	5.0	ug/L	0.17
Chloromethane	ND	10	ug/L	0.91
Dibromomethane	ND	10	ug/L	0.31
1,2-Dichlorobenzene	ND	10	ug/L	0.15
1,4-Dichlorobenzene	**1.0 J**	**10**	**ug/L**	**0.16**
trans-1,4-Dichloro-2-butene	ND	10	ug/L	0.45
Dichlorodifluoromethane	**0.64 J**	**10**	**ug/L**	**0.22**
1,1-Dichloroethane	**1.3 J**	**5.0**	**ug/L**	**0.22**
1,2-Dichloroethane	ND	5.0	ug/L	0.26
1,1-Dichloroethene	ND	1.0	ug/L	0.23
cis-1,2-Dichloroethene	**1.9 J**	**10**	**ug/L**	**0.14**
trans-1,2-Dichloroethene	ND	10	ug/L	0.15
1,2-Dichloropropane	**0.61 J**	**5.0**	**ug/L**	**0.18**
cis-1,3-Dichloropropene	ND	5.0	ug/L	0.19
trans-1,3-Dichloropropene	ND	5.0	ug/L	0.20
Ethylbenzene	ND	5.0	ug/L	0.12
Trichlorofluoromethane	ND	10	ug/L	0.24
2-Hexanone	ND	5.0	ug/L	1.7
Iodomethane	ND	10	ug/L	0.19
Methylene chloride	**0.53 J,B**	**5.0**	**ug/L**	**0.21**
4-Methyl-2-pentanone	ND	10	ug/L	0.98
Styrene	ND	5.0	ug/L	0.14
1,1,1,2-Tetrachloroethane	ND	5.0	ug/L	0.21
1,1,2,2-Tetrachloroethane	ND	5.0	ug/L	0.21
Tetrachloroethene	**0.60 J**	**5.0**	**ug/L**	**0.26**

(Continued on next page)

WASTE MANAGEMENT INC.

Client Sample ID: 4916J

GC/MS Volatiles

Lot-Sample #...: D4C050145-001 **Work Order #...:** GANTG1AT **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Toluene	ND	1.0	ug/L	0.15
1,1,1-Trichloroethane	ND	5.0	ug/L	0.16
1,1,2-Trichloroethane	ND	5.0	ug/L	0.27
Trichloroethene	**0.28 J**	**5.0**	**ug/L**	**0.16**
1,2,3-Trichloropropane	ND	10	ug/L	0.33
Vinyl acetate	ND	10	ug/L	0.56
Vinyl chloride	**3.1**	**1.0**	**ug/L**	**0.19**
Xylenes (total)	ND	10	ug/L	0.41
1,2-Dibromo-3-chloropropane (DBCP)	ND	10	ug/L	0.47
1,2-Dibromoethane (EDB)	ND	1.0	ug/L	0.18
2-Butanone (MEK)	ND	10	ug/L	2.0

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	83	(76 - 116)
1,2-Dichloroethane-d4	74	(59 - 129)
4-Bromofluorobenzene	88	(74 - 114)
Toluene-d8	85	(76 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

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

WASTE MANAGEMENT INC.

Client Sample ID: 4916J

GC/MS Semivolatiles

Lot-Sample #...: D4C050145-001 **Work Order #...:** GANTG1A5 **Matrix.....:** WATER
Date Sampled...: 03/04/04 09:30 **Date Received..:** 03/05/04
Prep Date.....: 03/07/04 **Analysis Date..:** 03/10/04
Prep Batch #...: 4067115 **Analysis Time..:** 18:11
Dilution Factor: 1

Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acenaphthene	ND	10	ug/L	0.60
Acenaphthylene	ND	10	ug/L	0.60
Acetophenone	ND	10	ug/L	2.0
2-Acetylaminofluorene	ND	100	ug/L	2.0
4-Aminobiphenyl	ND	50	ug/L	2.0
Anthracene	ND	10	ug/L	3.0
Benzo(a)anthracene	ND	10	ug/L	0.80
Benzo(b)fluoranthene	ND	10	ug/L	0.90
Benzo(k)fluoranthene	ND	10	ug/L	2.0
Benzo(ghi)perylene	ND	10	ug/L	1.0
Benzo(a)pyrene	ND	10	ug/L	0.80
Benzyl alcohol	ND	10	ug/L	1.0
bis(2-Chloroethoxy) methane	ND	10	ug/L	0.90
bis(2-Chloroethyl)-ether	ND	10	ug/L	3.0
bis(2-Ethylhexyl) phthalate	ND	10	ug/L	0.90
4-Bromophenyl phenyl ether	ND	10	ug/L	0.70
Butyl benzyl phthalate	ND	10	ug/L	1.0
4-Chloroaniline	ND	10	ug/L	3.0
Chlorobenzilate	ND	10	ug/L	2.0
4-Chloro-3-methylphenol	ND	10	ug/L	0.80
2-Chloronaphthalene	ND	10	ug/L	0.70
2-Chlorophenol	ND	10	ug/L	0.80
4-Chlorophenyl phenyl ether	ND	10	ug/L	0.60
Chrysene	ND	10	ug/L	0.80
Diallate	ND	20	ug/L	2.0
Dibenz(a,h)anthracene	ND	10	ug/L	0.90
Dibenzofuran	ND	10	ug/L	0.60
Di-n-butyl phthalate	ND	10	ug/L	0.80
3,3'-Dichlorobenzidine	ND	50	ug/L	8.0
2,4-Dichlorophenol	ND	10	ug/L	0.70
2,6-Dichlorophenol	ND	10	ug/L	2.0
Diethyl phthalate	ND	10	ug/L	0.70
Dimethoate	ND	20	ug/L	2.0

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WASTE MANAGEMENT INC.

Client Sample ID: 4916J

GC/MS Semivolatiles

Lot-Sample #...: D4C050145-001 **Work Order #...:** GANTG1A5 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
4-Dimethylaminoazobenzene	ND	20	ug/L	2.0
7,12-Dimethylbenz(a)-anthracene	ND	20	ug/L	3.0
3,3'-Dimethylbenzidine	ND	20	ug/L	4.0
2,4-Dimethylphenol	ND	10	ug/L	4.0
Dimethyl phthalate	ND	10	ug/L	0.80
1,3-Dinitrobenzene	ND	10	ug/L	2.0
4,6-Dinitro-2-methylphenol	ND	50	ug/L	6.0
2,4-Dinitrophenol	ND	50	ug/L	6.0
2,4-Dinitrotoluene	ND	10	ug/L	1.0
2,6-Dinitrotoluene	ND	10	ug/L	0.80
Dinoseb	ND	10	ug/L	2.0
Di-n-octyl phthalate	ND	10	ug/L	1.0
Diphenylamine	ND	10	ug/L	2.0
Disulfoton	ND	50	ug/L	2.0
Ethyl methanesulfonate	ND	10	ug/L	2.0
Famphur	ND	200	ug/L	9.0
Fluoranthene	ND	10	ug/L	0.70
Fluorene	ND	10	ug/L	0.60
Hexachlorobenzene	ND	10	ug/L	0.80
Hexachlorobutadiene	ND	10	ug/L	1.0
Hexachlorocyclopentadiene	ND	50	ug/L	5.0
Hexachloroethane	ND	10	ug/L	0.80
Hexachloropropene	ND	100	ug/L	1.0
Indeno(1,2,3-cd)pyrene	ND	10	ug/L	0.80
Isodrin	ND	10	ug/L	5.0
Isophorone	ND	10	ug/L	0.90
Isosafrole	ND	20	ug/L	3.0
Methapyrilene	ND	50	ug/L	20
3-Methylcholanthrene	ND	20	ug/L	1.0
Methyl methanesulfonate	ND	10	ug/L	2.0
2-Methylnaphthalene	ND	10	ug/L	0.80
Methyl parathion	ND	50	ug/L	2.0
2-Methylphenol	ND	10	ug/L	0.90
3-Methylphenol & 4-Methylphenol	ND	10	ug/L	0.80
Naphthalene	ND	10	ug/L	0.80
1,4-Naphthoquinone	ND	50	ug/L	2.0
1-Naphthylamine	ND	10	ug/L	1.0
2-Naphthylamine	ND	10	ug/L	1.0
2-Nitroaniline	ND	50	ug/L	0.90

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WASTE MANAGEMENT INC.

Client Sample ID: 4916J

GC/MS Semivolatiles

Lot-Sample #...: D4C050145-001 **Work Order #...:** GANTG1A5 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
3-Nitroaniline	ND	50	ug/L	0.90
4-Nitroaniline	ND	50	ug/L	6.0
Nitrobenzene	ND	10	ug/L	2.0
2-Nitrophenol	ND	10	ug/L	0.80
4-Nitrophenol	ND	50	ug/L	7.0
N-Nitrosodi-n-butylamine	ND	10	ug/L	2.0
N-Nitrosodiethylamine	ND	10	ug/L	2.0
N-Nitrosodimethylamine	ND	10	ug/L	0.80
N-Nitrosodiphenylamine	ND	10	ug/L	1.0
N-Nitrosodi-n-propyl-amine	ND	10	ug/L	0.70
N-Nitrosomethylethylamine	ND	10	ug/L	2.0
N-Nitrosopiperidine	ND	10	ug/L	2.0
N-Nitrosopyrrolidine	ND	10	ug/L	2.0
5-Nitro-o-toluidine	ND	20	ug/L	2.0
2,2'-oxybis(1-Chloropropane)	ND	10	ug/L	0.70
Parathion	ND	50	ug/L	2.0
Pentachlorobenzene	ND	10	ug/L	2.0
Pentachloronitrobenzene	ND	50	ug/L	2.0
Pentachlorophenol	ND	50	ug/L	5.0
Phenacetin	ND	20	ug/L	2.0
Phenanthrene	ND	10	ug/L	0.70
Phenol	ND	10	ug/L	0.90
4-Phenylenediamine	ND	100	ug/L	5.0
Phorate	ND	50	ug/L	2.0
Pronamide	ND	20	ug/L	2.0
Pyrene	ND	10	ug/L	0.80
Safrole	ND	50	ug/L	2.0
1,2,4,5-Tetrachloro-benzene	ND	10	ug/L	2.0
2,3,4,6-Tetrachlorophenol	ND	50	ug/L	2.0
Thionazin	ND	10	ug/L	2.0
o-Toluidine	ND	10	ug/L	2.0
1,2,4-Trichloro-benzene	ND	10	ug/L	0.90
2,4,5-Trichloro-phenol	ND	10	ug/L	1.0
2,4,6-Trichloro-phenol	ND	10	ug/L	0.80
O,O,O-Triethylphosphoro-thioate	ND	50	ug/L	2.0
1,3,5-Trinitrobenzene	ND	50	ug/L	2.0

(Continued on next page)

WASTE MANAGEMENT INC.

Client Sample ID: 4916J

GC/MS Semivolatiles

Lot-Sample #...: D4C050145-001 **Work Order #...:** GANTG1A5 **Matrix.....:** WATER

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	73	(32 - 116)
Phenol-d5	77	(40 - 111)
Nitrobenzene-d5	74	(53 - 107)
2-Fluorobiphenyl	70	(31 - 105)
2,4,6-Tribromophenol	75	(42 - 122)
Terphenyl-d14	69	(21 - 125)

WASTE MANAGEMENT INC.

Client Sample ID: 4916J

TOTAL Metals

Lot-Sample #...: D4C050145-001 **Matrix.....:** WATER
Date Sampled...: 03/04/04 09:30 **Date Received..:** 03/05/04

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 4068266						
Mercury	**0.17 B**	**0.20**	**ug/L**	**SW846 7470A**	**03/11-03/12/04**	**GANTG1CL**
		Dilution Factor: 1		Analysis Time..: 09:43	MDL.....: 0.054	
Prep Batch #...: 4069642						
Manganese	**190**	**10**	**ug/L**	**SW846 6010B**	**03/11-03/13/04**	**GANTG1AH**
		Dilution Factor: 1		Analysis Time..: 13:54	MDL.....: 0.54	
Barium	**160**	**100**	**ug/L**	**SW846 6010B**	**03/11-03/13/04**	**GANTG1AJ**
		Dilution Factor: 1		Analysis Time..: 13:54	MDL.....: 0.37	
Potassium	**4900 B,J,L**	**5000**	**ug/L**	**SW846 6010B**	**03/11-03/16/04**	**GANTG1AR**
		Dilution Factor: 1		Analysis Time..: 05:02	MDL.....: 460	
Silver	**1.2 B,J**	**10**	**ug/L**	**SW846 6010B**	**03/11-03/13/04**	**GANTG1A8**
		Dilution Factor: 1		Analysis Time..: 13:54	MDL.....: 0.70	
Arsenic	ND	10	ug/L	SW846 6010B	03/11-03/13/04	GANTG1A9
		Dilution Factor: 1		Analysis Time..: 13:54	MDL.....: 4.9	
Cadmium	ND	5.0	ug/L	SW846 6010B	03/11-03/13/04	GANTG1CA
		Dilution Factor: 1		Analysis Time..: 13:54	MDL.....: 0.27	
Cobalt	ND	10	ug/L	SW846 6010B	03/11-03/13/04	GANTG1CC
		Dilution Factor: 1		Analysis Time..: 13:54	MDL.....: 0.67	
Chromium	ND	10	ug/L	SW846 6010B	03/11-03/13/04	GANTG1CD
		Dilution Factor: 1		Analysis Time..: 13:54	MDL.....: 2.1	
Copper	ND	10	ug/L	SW846 6010B	03/11-03/13/04	GANTG1CE
		Dilution Factor: 1		Analysis Time..: 13:54	MDL.....: 0.97	
Nickel	ND	40	ug/L	SW846 6010B	03/11-03/13/04	GANTG1CF
		Dilution Factor: 1		Analysis Time..: 13:54	MDL.....: 4.2	
Lead	ND	3.0	ug/L	SW846 6010B	03/11-03/13/04	GANTG1CG
		Dilution Factor: 1		Analysis Time..: 13:54	MDL.....: 2.1	
Antimony	ND	10	ug/L	SW846 6010B	03/11-03/13/04	GANTG1CH
		Dilution Factor: 1		Analysis Time..: 13:54	MDL.....: 3.6	

(Continued on next page)

WASTE MANAGEMENT INC.

Client Sample ID: 4916J

TOTAL Metals

Lot-Sample #...: D4C050145-001 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Selenium	ND	5.0	ug/L	SW846 6010B	03/11-03/13/04	GANTG1CJ
		Dilution Factor: 1		Analysis Time..: 13:54	MDL.....: 4.6	
Zinc	ND	20	ug/L	SW846 6010B	03/11-03/13/04	GANTG1CK
		Dilution Factor: 1		Analysis Time..: 13:54	MDL.....: 7.1	
Beryllium	**0.88 B,J**	**5.0**	**ug/L**	**SW846 6010B**	**03/11-03/16/04**	**GANTG1CM**
		Dilution Factor: 1		Analysis Time..: 05:02	MDL.....: 0.41	
Boron	**160**	**100**	**ug/L**	**SW846 6010B**	**03/11-03/16/04**	**GANTG1CN**
		Dilution Factor: 1		Analysis Time..: 05:02	MDL.....: 8.3	

NOTE(S):

B Estimated result. Result is less than RL.

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

L Serial dilution of a digestate in the analytical batch indicates that physical and chemical interferences are present.

WASTE MANAGEMENT INC.

Client Sample ID: 4916J

DISSOLVED Metals

Lot-Sample #...: D4C050145-001 **Matrix.....:** WATER
Date Sampled...: 03/04/04 09:30 **Date Received..:** 03/05/04

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 4069639						
Calcium	**88000**	**200**	**ug/L**	**SW846 6010B**	**03/15-03/19/04**	**GANTG1AU**
		Dilution Factor: 1		Analysis Time..: 17:42	MDL.....: 76	
Magnesium	**24000**	**200**	**ug/L**	**SW846 6010B**	**03/15-03/19/04**	**GANTG1AV**
		Dilution Factor: 1		Analysis Time..: 17:42	MDL.....: 27	
Sodium	**29000**	**5000**	**ug/L**	**SW846 6010B**	**03/15-03/19/04**	**GANTG1AW**
		Dilution Factor: 1		Analysis Time..: 17:42	MDL.....: 1100	
Potassium	**5200 J**	**5000**	**ug/L**	**SW846 6010B**	**03/15-03/19/04**	**GANTG1AX**
		Dilution Factor: 1		Analysis Time..: 17:42	MDL.....: 460	
Iron	**58 B**	**100**	**ug/L**	**SW846 6010B**	**03/15-03/19/04**	**GANTG1A2**
		Dilution Factor: 1		Analysis Time..: 17:42	MDL.....: 19	

NOTE(S):

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

B Estimated result. Result is less than RL.

WASTE MANAGEMENT INC.

Client Sample ID: 4916J

General Chemistry

Lot-Sample #...: D4C050145-001 **Work Order #...:** GANTG **Matrix.....:** WATER
Date Sampled...: 03/04/04 09:30 **Date Received..:** 03/05/04

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Bicarbonate Alkalinity	**290**	**5.0**	**mg/L**	**MCAWW 310.1**	**03/12/04**	**4075217**
		Dilution Factor: 1		Analysis Time..: 12:00	MDL.....: 1.5	
Biochemical Oxygen Demand (BOD)	**7.1**	**2.0**	**mg/L**	**MCAWW 405.1**	**03/05/04**	**4065585**
		Dilution Factor: 1		Analysis Time..: 12:00	MDL.....: 0.31	
Carbonate Alkalinity	ND	5.0	mg/L	MCAWW 310.1	03/12/04	4075218
		Dilution Factor: 1		Analysis Time..: 12:00	MDL.....: 1.5	
Chemical Oxygen Demand (COD)	ND	8.0	mg/L	MCAWW 410.4	03/11/04	4072435
		Dilution Factor: 1		Analysis Time..: 20:30	MDL.....: 2.9	
Chloride	**25**	**3.0**	**mg/L**	**MCAWW 300.0A**	**03/05/04**	**4068515**
		Dilution Factor: 1		Analysis Time..: 13:33	MDL.....: 0.20	
Cyanide, Total	ND	0.010	mg/L	SW846 9012A	03/15/04	4075589
		Dilution Factor: 1		Analysis Time..: 15:00	MDL.....: 0.0028	
Fluoride	ND	1.0	mg/L	MCAWW 300.0A	03/05/04	4068518
		Dilution Factor: 1		Analysis Time..: 13:33	MDL.....: 0.10	
Nitrate	ND	0.50	mg/L	MCAWW 300.0A	03/05/04	4068516
		Dilution Factor: 1		Analysis Time..: 13:22	MDL.....: 0.050	
Specific Conductance	**730**	**2.0**	**umhos/cm**	**MCAWW 120.1**	**03/15/04**	**4075639**
		Dilution Factor: 1		Analysis Time..: 15:00	MDL.....:	
Sulfate	**50 Q**	**25**	**mg/L**	**MCAWW 300.0A**	**03/05/04**	**4068517**
		Dilution Factor: 5		Analysis Time..: 14:07	MDL.....: 1.0	
Total Alkalinity	**290**	**5.0**	**mg/L**	**MCAWW 310.1**	**03/12/04**	**4075209**
		Dilution Factor: 1		Analysis Time..: 12:00	MDL.....: 1.5	
Total Dissolved Solids	**430**	**10**	**mg/L**	**MCAWW 160.1**	**03/10/04**	**4070484**
		Dilution Factor: 1		Analysis Time..: 18:00	MDL.....: 3.0	
Total Organic Carbon	**0.66 B**	**1.0**	**mg/L**	**MCAWW 415.1**	**03/15/04**	**4076447**
		Dilution Factor: 1		Analysis Time..: 17:00	MDL.....: 0.50	

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WASTE MANAGEMENT INC.

Client Sample ID: 4916J

General Chemistry

Lot-Sample #...: D4C050145-001 **Work Order #...:** GANTG **Matrix.....:** WATER

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon 2	ND	1.0	mg/L	MCAWW 415.1	03/15/04	4076447
		Dilution Factor: 1		Analysis Time..: 17:00	MDL.....: 0.50	
Total Organic Halogens	**7.0 B**	**30**	**ug/L**	**SW846 9020B**	**03/16/04**	**4077328**
		Dilution Factor: 1		Analysis Time..: 12:00	MDL.....: 4.8	
Total Organic Halogens 2	**9.0 B**	**30**	**ug/L**	**SW846 9020B**	**03/16/04**	**4077328**
		Dilution Factor: 1		Analysis Time..: 12:00	MDL.....: 4.8	
Total Sulfide	ND	4.0	mg/L	SW846 9030B/9034	03/09/04	4069561
		Dilution Factor: 1		Analysis Time..: 13:00	MDL.....: 0.26	

NOTE(S):

RL Reporting Limit

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

B Estimated result. Result is less than RL.

QC DATA ASSOCIATION SUMMARY

D4C050145

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	WATER	MCAWW 120.1		4075639	4075323
	WATER	MCAWW 160.1		4070484	4075150
	WATER	MCAWW 310.1		4075218	
	WATER	MCAWW 405.1		4065585	4065295
	WATER	MCAWW 300.0A		4068515	4068299
	WATER	MCAWW 300.0A		4068517	4068310
	WATER	MCAWW 300.0A		4068518	4068296
	WATER	MCAWW 300.0A		4068516	4068303
	WATER	MCAWW 415.1		4076447	4076229
	WATER	SW846 9020B		4077328	4077143
	WATER	SW846 7470A		4068266	4068163
	WATER	SW846 8260B		4079535	4079271
	WATER	SW846 8270C		4067115	
	WATER	SW846 6010B		4069642	4069366
	WATER	SW846 6010B		4069639	4069363
	WATER	SW846 9012A		4075589	4075302
	WATER	SW846 9030B/9034		4069561	
	WATER	MCAWW 310.1		4075217	
	WATER	MCAWW 310.1		4075209	4076036
	WATER	MCAWW 410.4		4072435	4072161

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: D4C050145 **Work Order #...:** GCLK61AA **Matrix.....:** WATER
MB Lot-Sample #: D4C190000-535

Prep Date.....: 03/13/04 **Analysis Time..:** 09:58

Analysis Date..: 03/13/04 **Prep Batch #...:** 4079535
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Benzene	ND	1.0	ug/L	SW846 8260B
Bromodichloromethane	ND	5.0	ug/L	SW846 8260B
Acrylonitrile	ND	100	ug/L	SW846 8260B
Bromoform	ND	5.0	ug/L	SW846 8260B
Bromomethane	ND	10	ug/L	SW846 8260B
Carbon tetrachloride	ND	0.50	ug/L	SW846 8260B
Chlorobenzene	ND	5.0	ug/L	SW846 8260B
Dibromochloromethane	ND	5.0	ug/L	SW846 8260B
Chloroethane	ND	10	ug/L	SW846 8260B
Chloroform	ND	5.0	ug/L	SW846 8260B
Chloromethane	ND	10	ug/L	SW846 8260B
Dichlorodifluoromethane	ND	10	ug/L	SW846 8260B
1,1-Dichloroethane	ND	5.0	ug/L	SW846 8260B
1,2-Dichloroethane	ND	5.0	ug/L	SW846 8260B
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260B
trans-1,2-Dichloroethene	ND	10	ug/L	SW846 8260B
1,2-Dichloropropane	ND	5.0	ug/L	SW846 8260B
cis-1,3-Dichloropropene	ND	5.0	ug/L	SW846 8260B
trans-1,3-Dichloropropene	ND	5.0	ug/L	SW846 8260B
Ethylbenzene	ND	5.0	ug/L	SW846 8260B
Trichlorofluoromethane	ND	10	ug/L	SW846 8260B
Methylene chloride	**0.87 J**	**5.0**	**ug/L**	**SW846 8260B**
1,1,2,2-Tetrachloroethane	ND	5.0	ug/L	SW846 8260B
Tetrachloroethene	ND	5.0	ug/L	SW846 8260B
Toluene	ND	1.0	ug/L	SW846 8260B
1,1,1-Trichloroethane	ND	5.0	ug/L	SW846 8260B
1,1,2-Trichloroethane	ND	5.0	ug/L	SW846 8260B
Trichloroethene	ND	5.0	ug/L	SW846 8260B
Vinyl chloride	ND	1.0	ug/L	SW846 8260B
Bromochloromethane	ND	10	ug/L	SW846 8260B
Carbon disulfide	ND	5.0	ug/L	SW846 8260B
Dibromomethane	ND	10	ug/L	SW846 8260B
1,2-Dichlorobenzene	ND	10	ug/L	SW846 8260B
1,4-Dichlorobenzene	ND	10	ug/L	SW846 8260B
trans-1,4-Dichloro-2-butene	ND	10	ug/L	SW846 8260B
cis-1,2-Dichloroethene	ND	10	ug/L	SW846 8260B
Acetone	ND	34	ug/L	SW846 8260B
2-Hexanone	ND	5.0	ug/L	SW846 8260B
Iodomethane	ND	10	ug/L	SW846 8260B
4-Methyl-2-pentanone	ND	10	ug/L	SW846 8260B

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METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: D4C050145 **Work Order #...:** GCLK61AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Styrene	ND	5.0	ug/L	SW846 8260B
1,1,1,2-Tetrachloroethane	ND	5.0	ug/L	SW846 8260B
1,2,3-Trichloropropane	ND	10	ug/L	SW846 8260B
Vinyl acetate	ND	10	ug/L	SW846 8260B
Xylenes (total)	ND	10	ug/L	SW846 8260B
1,2-Dibromo-3-chloropropane (DBCP)	ND	10	ug/L	SW846 8260B
1,2-Dibromoethane (EDB)	ND	1.0	ug/L	SW846 8260B
2-Butanone (MEK)	ND	10	ug/L	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	93	(76 - 116)
1,2-Dichloroethane-d4	83	(59 - 129)
4-Bromofluorobenzene	92	(74 - 114)
Toluene-d8	92	(76 - 116)

NOTE(S):

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

J Estimated result. Result is less than RL.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: D4C050145 **Work Order #...:** GCLK61AC **Matrix.....:** WATER
LCS Lot-Sample#: D4C190000-535
Prep Date.....: 03/13/04 **Analysis Date..:** 03/13/04
Prep Batch #...: 4079535 **Analysis Time..:** 09:38
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
1,1-Dichloroethene	**97**	**(67 - 125)**	**SW846 8260B**
Benzene	**105**	**(75 - 116)**	**SW846 8260B**
Chlorobenzene	**96**	**(77 - 117)**	**SW846 8260B**
Toluene	**93**	**(74 - 115)**	**SW846 8260B**
Trichloroethene	**112**	**(80 - 123)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	91	(76 - 116)
1,2-Dichloroethane-d4	82	(59 - 129)
4-Bromofluorobenzene	90	(74 - 114)
Toluene-d8	91	(76 - 116)

NOTE(S):

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: D4C050145 **Work Order #...:** GCLK61AC **Matrix.....:** WATER
LCS Lot-Sample#: D4C190000-535
Prep Date.....: 03/13/04 **Analysis Date..:** 03/13/04
Prep Batch #...: 4079535 **Analysis Time..:** 09:38
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
1,1-Dichloroethene	**10.0**	**9.74**	**ug/L**	**97**	**SW846 8260B**
Benzene	**10.0**	**10.5**	**ug/L**	**105**	**SW846 8260B**
Chlorobenzene	**10.0**	**9.55**	**ug/L**	**96**	**SW846 8260B**
Toluene	**10.0**	**9.30**	**ug/L**	**93**	**SW846 8260B**
Trichloroethene	**10.0**	**11.2**	**ug/L**	**112**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	91	(76 - 116)
1,2-Dichloroethane-d4	82	(59 - 129)
4-Bromofluorobenzene	90	(74 - 114)
Toluene-d8	91	(76 - 116)

NOTE(S):

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

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: D4C050145 **Work Order #...:** GAVJG1AC-MS **Matrix.....:** WATER
MS Lot-Sample #: D4C080192-006 GAVJG1AD-MSD
Date Sampled...: 03/08/04 14:15 **Date Received..:** 03/08/04
Prep Date.....: 03/13/04 **Analysis Date..:** 03/13/04
Prep Batch #...: 4079535 **Analysis Time..:** 10:42
Dilution Factor: 2

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	**90**	**(67 - 125)**			**SW846 8260B**
	71	**(67 - 125)**	**5.2**	**(0-20)**	**SW846 8260B**
Benzene	**109**	**(75 - 116)**			**SW846 8260B**
	106	**(75 - 116)**	**3.3**	**(0-20)**	**SW846 8260B**
Chlorobenzene	**99**	**(77 - 117)**			**SW846 8260B**
	97	**(77 - 117)**	**2.0**	**(0-20)**	**SW846 8260B**
Toluene	**97**	**(74 - 115)**			**SW846 8260B**
	94	**(74 - 115)**	**3.1**	**(0-20)**	**SW846 8260B**
Trichloroethene	**114**	**(80 - 123)**			**SW846 8260B**
	107	**(80 - 123)**	**4.7**	**(0-20)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	94	(76 - 116)
	94	(76 - 116)
1,2-Dichloroethane-d4	84	(59 - 129)
	84	(59 - 129)
4-Bromofluorobenzene	92	(74 - 114)
	92	(74 - 114)
Toluene-d8	92	(76 - 116)
	92	(76 - 116)

NOTE(S):

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

Bold print denotes control parameters

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: D4C050145 **Work Order #...:** GAVJG1AC-MS **Matrix.....:** WATER
MS Lot-Sample #: D4C080192-006 GAVJG1AD-MSD
Date Sampled...: 03/08/04 14:15 **Date Received..:** 03/08/04
Prep Date.....: 03/13/04 **Analysis Date..:** 03/13/04
Prep Batch #...: 4079535 **Analysis Time..:** 10:42
Dilution Factor: 2

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
1,1-Dichloroethene	**53**	**20.0**	**71.2**	**ug/L**	**90**		**SW846 8260B**
	53	**20.0**	**67.5**	**ug/L**	**71**	**5.2**	**SW846 8260B**
Benzene	**ND**	**20.0**	**21.8**	**ug/L**	**109**		**SW846 8260B**
	ND	**20.0**	**21.1**	**ug/L**	**106**	**3.3**	**SW846 8260B**
Chlorobenzene	**ND**	**20.0**	**19.8**	**ug/L**	**99**		**SW846 8260B**
	ND	**20.0**	**19.4**	**ug/L**	**97**	**2.0**	**SW846 8260B**
Toluene	**ND**	**20.0**	**19.4**	**ug/L**	**97**		**SW846 8260B**
	ND	**20.0**	**18.8**	**ug/L**	**94**	**3.1**	**SW846 8260B**
Trichloroethene	**10**	**20.0**	**33.0**	**ug/L**	**114**		**SW846 8260B**
	10	**20.0**	**31.5**	**ug/L**	**107**	**4.7**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	94	(76 - 116)
	94	(76 - 116)
1,2-Dichloroethane-d4	84	(59 - 129)
	84	(59 - 129)
4-Bromofluorobenzene	92	(74 - 114)
	92	(74 - 114)
Toluene-d8	92	(76 - 116)
	92	(76 - 116)

NOTE(S):

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

Bold print denotes control parameters

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: D4C050145 **Work Order #...:** GAR441AA **Matrix.....:** WATER
MB Lot-Sample #: D4C070000-115

Prep Date.....: 03/07/04 **Analysis Time..:** 14:11
Analysis Date..: 03/10/04 **Prep Batch #...:** 4067115
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Acenaphthene	ND	10	ug/L	SW846 8270C
Acenaphthylene	ND	10	ug/L	SW846 8270C
Acetophenone	ND	10	ug/L	SW846 8270C
2-Acetylaminofluorene	ND	100	ug/L	SW846 8270C
4-Aminobiphenyl	ND	50	ug/L	SW846 8270C
Anthracene	ND	10	ug/L	SW846 8270C
Benzo(a)anthracene	ND	10	ug/L	SW846 8270C
Benzo(b)fluoranthene	ND	10	ug/L	SW846 8270C
Benzo(k)fluoranthene	ND	10	ug/L	SW846 8270C
Benzo(ghi)perylene	ND	10	ug/L	SW846 8270C
Benzo(a)pyrene	ND	10	ug/L	SW846 8270C
Benzyl alcohol	ND	10	ug/L	SW846 8270C
bis(2-Chloroethoxy) methane	ND	10	ug/L	SW846 8270C
bis(2-Chloroethyl)-ether	ND	10	ug/L	SW846 8270C
bis(2-Ethylhexyl) phthalate	ND	10	ug/L	SW846 8270C
4-Bromophenyl phenyl ether	ND	10	ug/L	SW846 8270C
Butyl benzyl phthalate	ND	10	ug/L	SW846 8270C
4-Chloroaniline	ND	10	ug/L	SW846 8270C
Chlorobenzilate	ND	10	ug/L	SW846 8270C
4-Chloro-3-methylphenol	ND	10	ug/L	SW846 8270C
2-Chloronaphthalene	ND	10	ug/L	SW846 8270C
2-Chlorophenol	ND	10	ug/L	SW846 8270C
4-Chlorophenyl phenyl ether	ND	10	ug/L	SW846 8270C
Chrysene	ND	10	ug/L	SW846 8270C
Diallate	ND	20	ug/L	SW846 8270C
Dibenz(a,h)anthracene	ND	10	ug/L	SW846 8270C
Dibenzofuran	ND	10	ug/L	SW846 8270C
Di-n-butyl phthalate	ND	10	ug/L	SW846 8270C
3,3'-Dichlorobenzidine	ND	50	ug/L	SW846 8270C
2,4-Dichlorophenol	ND	10	ug/L	SW846 8270C
2,6-Dichlorophenol	ND	10	ug/L	SW846 8270C
Diethyl phthalate	ND	10	ug/L	SW846 8270C
Dimethoate	ND	20	ug/L	SW846 8270C
4-Dimethylaminoazobenzene	ND	20	ug/L	SW846 8270C
7,12-Dimethylbenz(a)-anthracene	ND	20	ug/L	SW846 8270C

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METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: D4C050145 **Work Order #...:** GAR441AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
3,3'-Dimethylbenzidine	ND	20	ug/L	SW846 8270C
2,4-Dimethylphenol	ND	10	ug/L	SW846 8270C
Dimethyl phthalate	ND	10	ug/L	SW846 8270C
1,3-Dinitrobenzene	ND	10	ug/L	SW846 8270C
4,6-Dinitro-2-methylphenol	ND	50	ug/L	SW846 8270C
2,4-Dinitrophenol	ND	50	ug/L	SW846 8270C
2,4-Dinitrotoluene	ND	10	ug/L	SW846 8270C
2,6-Dinitrotoluene	ND	10	ug/L	SW846 8270C
Dinoseb	ND	10	ug/L	SW846 8270C
Di-n-octyl phthalate	ND	10	ug/L	SW846 8270C
Diphenylamine	ND	10	ug/L	SW846 8270C
Disulfoton	ND	50	ug/L	SW846 8270C
Ethyl methanesulfonate	ND	10	ug/L	SW846 8270C
Famphur	ND	200	ug/L	SW846 8270C
Fluoranthene	ND	10	ug/L	SW846 8270C
Fluorene	ND	10	ug/L	SW846 8270C
Hexachlorobenzene	ND	10	ug/L	SW846 8270C
Hexachlorobutadiene	ND	10	ug/L	SW846 8270C
Hexachlorocyclopentadiene	ND	50	ug/L	SW846 8270C
Hexachloroethane	ND	10	ug/L	SW846 8270C
Hexachloropropene	ND	100	ug/L	SW846 8270C
Indeno(1,2,3-cd)pyrene	ND	10	ug/L	SW846 8270C
Isodrin	ND	10	ug/L	SW846 8270C
Isophorone	ND	10	ug/L	SW846 8270C
Isosafrole	ND	20	ug/L	SW846 8270C
Methapyrilene	ND	50	ug/L	SW846 8270C
3-Methylcholanthrene	ND	20	ug/L	SW846 8270C
Methyl methanesulfonate	ND	10	ug/L	SW846 8270C
2-Methylnaphthalene	ND	10	ug/L	SW846 8270C
Methyl parathion	ND	50	ug/L	SW846 8270C
2-Methylphenol	ND	10	ug/L	SW846 8270C
3-Methylphenol & 4-Methylphenol	ND	10	ug/L	SW846 8270C
Naphthalene	ND	10	ug/L	SW846 8270C
1,4-Naphthoquinone	ND	50	ug/L	SW846 8270C
1-Naphthylamine	ND	10	ug/L	SW846 8270C
2-Naphthylamine	ND	10	ug/L	SW846 8270C
2-Nitroaniline	ND	50	ug/L	SW846 8270C
3-Nitroaniline	ND	50	ug/L	SW846 8270C
4-Nitroaniline	ND	50	ug/L	SW846 8270C
Nitrobenzene	ND	10	ug/L	SW846 8270C
2-Nitrophenol	ND	10	ug/L	SW846 8270C
4-Nitrophenol	ND	50	ug/L	SW846 8270C

(Continued on next page)

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: D4C050145 **Work Order #...:** GAR441AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
N-Nitrosodi-n-butylamine	ND	10	ug/L	SW846 8270C
N-Nitrosodiethylamine	ND	10	ug/L	SW846 8270C
N-Nitrosodimethylamine	ND	10	ug/L	SW846 8270C
N-Nitrosodiphenylamine	ND	10	ug/L	SW846 8270C
N-Nitrosodi-n-propyl-amine	ND	10	ug/L	SW846 8270C
N-Nitrosomethylethylamine	ND	10	ug/L	SW846 8270C
N-Nitrosopiperidine	ND	10	ug/L	SW846 8270C
N-Nitrosopyrrolidine	ND	10	ug/L	SW846 8270C
5-Nitro-o-toluidine	ND	20	ug/L	SW846 8270C
2,2'-oxybis(1-Chloropropa	ND	10	ug/L	SW846 8270C
Parathion	ND	50	ug/L	SW846 8270C
Pentachlorobenzene	ND	10	ug/L	SW846 8270C
Pentachloronitrobenzene	ND	50	ug/L	SW846 8270C
Pentachlorophenol	ND	50	ug/L	SW846 8270C
Phenacetin	ND	20	ug/L	SW846 8270C
Phenanthrene	ND	10	ug/L	SW846 8270C
Phenol	ND	10	ug/L	SW846 8270C
4-Phenylenediamine	ND	100	ug/L	SW846 8270C
Phorate	ND	50	ug/L	SW846 8270C
Pronamide	ND	20	ug/L	SW846 8270C
Pyrene	ND	10	ug/L	SW846 8270C
Safrole	ND	50	ug/L	SW846 8270C
1,2,4,5-Tetrachloro-benzene	ND	10	ug/L	SW846 8270C
2,3,4,6-Tetrachlorophenol	ND	50	ug/L	SW846 8270C
Thionazin	ND	10	ug/L	SW846 8270C
o-Toluidine	ND	10	ug/L	SW846 8270C
1,2,4-Trichloro-benzene	ND	10	ug/L	SW846 8270C
2,4,5-Trichloro-phenol	ND	10	ug/L	SW846 8270C
2,4,6-Trichloro-phenol	ND	10	ug/L	SW846 8270C
O,O,O-Triethylphosphoro-thioate	ND	50	ug/L	SW846 8270C
1,3,5-Trinitrobenzene	ND	50	ug/L	SW846 8270C

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	79	(32 - 116)
Phenol-d5	81	(40 - 111)
Nitrobenzene-d5	80	(53 - 107)
2-Fluorobiphenyl	78	(31 - 105)
2,4,6-Tribromophenol	81	(42 - 122)

(Continued on next page)

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: D4C050145 **Work Order #...:** GAR441AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Terphenyl-d14	77	(21 - 125)		

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: D4C050145 **Work Order #...:** GAR441AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: D4C070000-115 GAR441AD-LCSD
Prep Date.....: 03/07/04 **Analysis Date..:** 03/10/04
Prep Batch #...: 4067115 **Analysis Time..:** 14:37
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Acenaphthene	**68**	**(55 - 97)**			**SW846 8270C**
	75	**(55 - 97)**	**10**	**(0-30)**	**SW846 8270C**
1,4-Dichlorobenzene	**67**	**(31 - 98)**			**SW846 8270C**
	74	**(31 - 98)**	**11**	**(0-40)**	**SW846 8270C**
4-Chloro-3-methylphenol	**69**	**(59 - 106)**			**SW846 8270C**
	78	**(59 - 106)**	**13**	**(0-40)**	**SW846 8270C**
2-Chlorophenol	**72**	**(59 - 105)**			**SW846 8270C**
	80	**(59 - 105)**	**9.6**	**(0-40)**	**SW846 8270C**
2,4-Dinitrotoluene	**66**	**(57 - 113)**			**SW846 8270C**
	78	**(57 - 113)**	**17**	**(0-40)**	**SW846 8270C**
4-Nitrophenol	**61**	**(43 - 118)**			**SW846 8270C**
	78	**(43 - 118)**	**25**	**(0-40)**	**SW846 8270C**
N-Nitrosodi-n-propyl-amine	**70**	**(51 - 99)**			**SW846 8270C**
	78	**(51 - 99)**	**12**	**(0-40)**	**SW846 8270C**
Pentachlorophenol	**63**	**(48 - 114)**			**SW846 8270C**
	72	**(48 - 114)**	**14**	**(0-40)**	**SW846 8270C**
Phenol	**72**	**(56 - 106)**			**SW846 8270C**
	79	**(56 - 106)**	**9.3**	**(0-40)**	**SW846 8270C**
Pyrene	**64**	**(51 - 103)**			**SW846 8270C**
	68	**(51 - 103)**	**5.6**	**(0-40)**	**SW846 8270C**
1,2,4-Trichloro-benzene	**67**	**(36 - 99)**			**SW846 8270C**
	75	**(36 - 99)**	**11**	**(0-40)**	**SW846 8270C**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	70	(54 - 105)
	78	(54 - 105)
Phenol-d5	74	(55 - 106)
	81	(55 - 106)
Nitrobenzene-d5	72	(58 - 108)
	80	(58 - 108)
2-Fluorobiphenyl	68	(53 - 97)
	74	(53 - 97)
2,4,6-Tribromophenol	73	(62 - 113)
	80	(62 - 113)
Terphenyl-d14	71	(55 - 109)

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: D4C050145 **Work Order #...:** GAR441AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: D4C070000-115 GAR441AD-LCSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
	73	(55 - 109)

NOTE(S):

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: D4C050145 **Work Order #...:** GAR441AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: D4C070000-115 GAR441AD-LCSD
Prep Date.....: 03/07/04 **Analysis Date..:** 03/10/04
Prep Batch #...: 4067115 **Analysis Time..:** 14:37
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Acenaphthene	100	68.1	ug/L	68		SW846 8270C
	100	75.2	ug/L	75	10	SW846 8270C
1,4-Dichlorobenzene	100	66.5	ug/L	67		SW846 8270C
	100	74.5	ug/L	74	11	SW846 8270C
4-Chloro-3-methylphenol	150	104	ug/L	69		SW846 8270C
	150	118	ug/L	78	13	SW846 8270C
2-Chlorophenol	150	109	ug/L	72		SW846 8270C
	150	120	ug/L	80	9.6	SW846 8270C
2,4-Dinitrotoluene	100	66.4	ug/L	66		SW846 8270C
	100	78.3	ug/L	78	17	SW846 8270C
4-Nitrophenol	150	91.2	ug/L	61		SW846 8270C
	150	118	ug/L	78	25	SW846 8270C
N-Nitrosodi-n-propyl-amine	100	69.6	ug/L	70		SW846 8270C
	100	78.4	ug/L	78	12	SW846 8270C
Pentachlorophenol	150	94.2	ug/L	63		SW846 8270C
	150	108	ug/L	72	14	SW846 8270C
Phenol	150	108	ug/L	72		SW846 8270C
	150	119	ug/L	79	9.3	SW846 8270C
Pyrene	100	64.0	ug/L	64		SW846 8270C
	100	67.7	ug/L	68	5.6	SW846 8270C
1,2,4-Trichloro-benzene	100	67.3	ug/L	67		SW846 8270C
	100	74.8	ug/L	75	11	SW846 8270C

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	70	(54 - 105)
	78	(54 - 105)
Phenol-d5	74	(55 - 106)
	81	(55 - 106)
Nitrobenzene-d5	72	(58 - 108)
	80	(58 - 108)
2-Fluorobiphenyl	68	(53 - 97)
	74	(53 - 97)
2,4,6-Tribromophenol	73	(62 - 113)
	80	(62 - 113)
Terphenyl-d14	71	(55 - 109)

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LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: D4C050145 **Work Order #...:** GAR441AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: D4C070000-115 GAR441AD-LCSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
	73	(55 - 109)

NOTE(S):

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

Bold print denotes control parameters

METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: D4C050145 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: D4C080000-266 **Prep Batch #...:** 4068266						
Mercury	ND	0.20	ug/L	SW846 7470A	03/11-03/12/04	GATMV1AA
		Dilution Factor: 1				
		Analysis Time..: 09:38				
MB Lot-Sample #: D4C090000-642 **Prep Batch #...:** 4069642						
Manganese	ND	10	ug/L	SW846 6010B	03/11-03/13/04	GAX881AC
		Dilution Factor: 1				
		Analysis Time..: 13:45				
Barium	ND	100	ug/L	SW846 6010B	03/11-03/13/04	GAX881AW
		Dilution Factor: 1				
		Analysis Time..: 13:45				
Potassium	**720 B**	**5000**	**ug/L**	**SW846 6010B**	**03/11-03/16/04**	**GAX881AX**
		Dilution Factor: 1				
		Analysis Time..: 04:53				
Silver	**1.1 B**	**10**	**ug/L**	**SW846 6010B**	**03/11-03/13/04**	**GAX881AJ**
		Dilution Factor: 1				
		Analysis Time..: 13:45				
Arsenic	ND	10	ug/L	SW846 6010B	03/11-03/13/04	GAX881AQ
		Dilution Factor: 1				
		Analysis Time..: 13:45				
Cadmium	ND	5.0	ug/L	SW846 6010B	03/11-03/13/04	GAX881AK
		Dilution Factor: 1				
		Analysis Time..: 13:45				
Cobalt	ND	10	ug/L	SW846 6010B	03/11-03/13/04	GAX881AR
		Dilution Factor: 1				
		Analysis Time..: 13:45				
Chromium	ND	10	ug/L	SW846 6010B	03/11-03/13/04	GAX881AL
		Dilution Factor: 1				
		Analysis Time..: 13:45				
Copper	ND	10	ug/L	SW846 6010B	03/11-03/13/04	GAX881AM
		Dilution Factor: 1				
		Analysis Time..: 13:45				

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METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: D4C050145 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Nickel	ND	40	ug/L	SW846 6010B	03/11-03/13/04	GAX881AN
		Dilution Factor: 1				
		Analysis Time..: 13:45				
Lead	ND	3.0	ug/L	SW846 6010B	03/11-03/13/04	GAX881AP
		Dilution Factor: 1				
		Analysis Time..: 13:45				
Antimony	ND	10	ug/L	SW846 6010B	03/11-03/13/04	GAX881AT
		Dilution Factor: 1				
		Analysis Time..: 13:45				
Selenium	ND	5.0	ug/L	SW846 6010B	03/11-03/13/04	GAX881AU
		Dilution Factor: 1				
		Analysis Time..: 13:45				
Zinc	ND	20	ug/L	SW846 6010B	03/11-03/13/04	GAX881AH
		Dilution Factor: 1				
		Analysis Time..: 13:45				
Beryllium	**0.58 B**	**5.0**	**ug/L**	**SW846 6010B**	**03/11-03/16/04**	**GAX881AV**
		Dilution Factor: 1				
		Analysis Time..: 04:53				
Boron	ND	100	ug/L	SW846 6010B	03/11-03/16/04	GAX881AA
		Dilution Factor: 1				
		Analysis Time..: 04:53				

NOTE(S):

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

B Estimated result. Result is less than RL.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: D4C050145 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: D4C080000-266 **Prep Batch #...:** 4068266					
Mercury	98	(84 - 114)	SW846 7470A	03/11-03/12/04	GATMV1AC
		Dilution Factor: 1	Analysis Time..: 09:40		
LCS Lot-Sample#: D4C090000-642 **Prep Batch #...:** 4069642					
Manganese	99	(90 - 110)	SW846 6010B	03/11-03/13/04	GAX881A1
		Dilution Factor: 1	Analysis Time..: 13:50		
Barium	106	(93 - 113)	SW846 6010B	03/11-03/13/04	GAX881CK
		Dilution Factor: 1	Analysis Time..: 13:50		
Potassium	96	(86 - 111)	SW846 6010B	03/11-03/16/04	GAX881CL
		Dilution Factor: 1	Analysis Time..: 04:57		
Silver	106	(85 - 114)	SW846 6010B	03/11-03/13/04	GAX881A7
		Dilution Factor: 1	Analysis Time..: 13:50		
Arsenic	100	(89 - 109)	SW846 6010B	03/11-03/13/04	GAX881CE
		Dilution Factor: 1	Analysis Time..: 13:50		
Cadmium	97	(89 - 110)	SW846 6010B	03/11-03/13/04	GAX881A8
		Dilution Factor: 1	Analysis Time..: 13:50		
Cobalt	99	(86 - 107)	SW846 6010B	03/11-03/13/04	GAX881CF
		Dilution Factor: 1	Analysis Time..: 13:50		
Chromium	100	(89 - 112)	SW846 6010B	03/11-03/13/04	GAX881A9
		Dilution Factor: 1	Analysis Time..: 13:50		
Copper	100	(86 - 110)	SW846 6010B	03/11-03/13/04	GAX881CA
		Dilution Factor: 1	Analysis Time..: 13:50		
Nickel	100	(90 - 110)	SW846 6010B	03/11-03/13/04	GAX881CC
		Dilution Factor: 1	Analysis Time..: 13:50		
Lead	101	(91 - 111)	SW846 6010B	03/11-03/13/04	GAX881CD
		Dilution Factor: 1	Analysis Time..: 13:50		
Antimony	100	(88 - 108)	SW846 6010B	03/11-03/13/04	GAX881CG
		Dilution Factor: 1	Analysis Time..: 13:50		

(Continued on next page)

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: D4C050145 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Selenium	104	(88 - 110)	SW846 6010B	03/11-03/13/04	GAX881CH
		Dilution Factor: 1	Analysis Time..: 13:50		
Zinc	95	(85 - 110)	SW846 6010B	03/11-03/13/04	GAX881A6
		Dilution Factor: 1	Analysis Time..: 13:50		
Beryllium	107	(88 - 112)	SW846 6010B	03/11-03/16/04	GAX881CJ
		Dilution Factor: 1	Analysis Time..: 04:57		
Boron	106	(89 - 110)	SW846 6010B	03/11-03/16/04	GAX881A0
		Dilution Factor: 1	Analysis Time..: 04:57		

NOTE(S):

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

LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: D4C050145 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: D4C080000-266 **Prep Batch #...:** 4068266							
Mercury	5.00	4.90	ug/L	98	SW846 7470A	03/11-03/12/04	GATMV1AC
			Dilution Factor: 1		Analysis Time..: 09:40		
LCS Lot-Sample#: D4C090000-642 **Prep Batch #...:** 4069642							
Manganese	500	494	ug/L	99	SW846 6010B	03/11-03/13/04	GAX881A1
			Dilution Factor: 1		Analysis Time..: 13:50		
Barium	2000	2130	ug/L	106	SW846 6010B	03/11-03/13/04	GAX881CK
			Dilution Factor: 1		Analysis Time..: 13:50		
Potassium	50000	48000	ug/L	96	SW846 6010B	03/11-03/16/04	GAX881CL
			Dilution Factor: 1		Analysis Time..: 04:57		
Silver	50.0	52.8	ug/L	106	SW846 6010B	03/11-03/13/04	GAX881A7
			Dilution Factor: 1		Analysis Time..: 13:50		
Arsenic	2000	2000	ug/L	100	SW846 6010B	03/11-03/13/04	GAX881CE
			Dilution Factor: 1		Analysis Time..: 13:50		
Cadmium	50.0	48.6	ug/L	97	SW846 6010B	03/11-03/13/04	GAX881A8
			Dilution Factor: 1		Analysis Time..: 13:50		
Cobalt	500	494	ug/L	99	SW846 6010B	03/11-03/13/04	GAX881CF
			Dilution Factor: 1		Analysis Time..: 13:50		
Chromium	200	200	ug/L	100	SW846 6010B	03/11-03/13/04	GAX881A9
			Dilution Factor: 1		Analysis Time..: 13:50		
Copper	250	251	ug/L	100	SW846 6010B	03/11-03/13/04	GAX881CA
			Dilution Factor: 1		Analysis Time..: 13:50		
Nickel	500	498	ug/L	100	SW846 6010B	03/11-03/13/04	GAX881CC
			Dilution Factor: 1		Analysis Time..: 13:50		
Lead	500	507	ug/L	101	SW846 6010B	03/11-03/13/04	GAX881CD
			Dilution Factor: 1		Analysis Time..: 13:50		
Antimony	500	500	ug/L	100	SW846 6010B	03/11-03/13/04	GAX881CG
			Dilution Factor: 1		Analysis Time..: 13:50		

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LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: D4C050145 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Selenium	2000	2070	ug/L	104	SW846 6010B	03/11-03/13/04	GAX881CH
			Dilution Factor: 1		Analysis Time..: 13:50		
Zinc	500	475	ug/L	95	SW846 6010B	03/11-03/13/04	GAX881A6
			Dilution Factor: 1		Analysis Time..: 13:50		
Beryllium	50.0	53.5	ug/L	107	SW846 6010B	03/11-03/16/04	GAX881CJ
			Dilution Factor: 1		Analysis Time..: 04:57		
Boron	1000	1060	ug/L	106	SW846 6010B	03/11-03/16/04	GAX881A0
			Dilution Factor: 1		Analysis Time..: 04:57		

NOTE(S):

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

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: D4C050145 **Matrix.....:** WATER
Date Sampled...: 03/02/04 10:35 **Date Received..:** 03/03/04

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D4C030364-001 **Prep Batch #...:** 4068266							
Mercury	100	(84 - 114)			SW846 7470A	03/11-03/12/04	GAKGN1CG
	99	(84 - 114)	0.40	(0-10)	SW846 7470A	03/11-03/12/04	GAKGN1CH
		Dilution Factor: 1					
		Analysis Time..: 10:03					

NOTE(S):

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

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: D4C050145 **Matrix.....:** WATER
Date Sampled...: 03/02/04 10:35 **Date Received..:** 03/03/04

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D4C030364-001 **Prep Batch #...:** 4068266									
Mercury									
	ND	5.00	4.99	ug/L	100		SW846 7470A	03/11-03/12/04	GAKGN1CG
	ND	5.00	4.97	ug/L	99	0.40	SW846 7470A	03/11-03/12/04	GAKGN1CH

Dilution Factor: 1
Analysis Time..: 10:03

NOTE(S):

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

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: D4C050145 **Matrix.....:** WATER
Date Sampled...: 03/05/04 14:40 **Date Received..:** 03/06/04

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D4C060201-001 **Prep Batch #...:** 4069642							
Manganese	105	(79 - 121)			SW846 6010B	03/11-03/15/04	GAR351C0
	97	(79 - 121)	3.0	(0-25)	SW846 6010B	03/11-03/15/04	GAR351C1
		Dilution Factor: 1					
		Analysis Time..: 21:22					
Barium	107	(85 - 120)			SW846 6010B	03/11-03/15/04	GAR351D4
	99	(85 - 120)	3.2	(0-25)	SW846 6010B	03/11-03/15/04	GAR351D5
		Dilution Factor: 1					
		Analysis Time..: 21:22					
Potassium	NC,MSB	(76 - 132)			SW846 6010B	03/11-03/16/04	GAR351D6
	NC,MSB	(76 - 132)		(0-25)	SW846 6010B	03/11-03/16/04	GAR351D7
		Dilution Factor: 1					
		Analysis Time..: 06:37					
Silver	144 N	(75 - 141)			SW846 6010B	03/11-03/15/04	GAR351DD
	138	(75 - 141)	4.6	(0-25)	SW846 6010B	03/11-03/15/04	GAR351DE
		Dilution Factor: 1					
		Analysis Time..: 21:22					
Arsenic	126 N	(84 - 124)			SW846 6010B	03/11-03/15/04	GAR351DR
	121	(84 - 124)	3.7	(0-25)	SW846 6010B	03/11-03/15/04	GAR351DT
		Dilution Factor: 1					
		Analysis Time..: 21:22					
Cadmium	102	(82 - 119)			SW846 6010B	03/11-03/15/04	GAR351DF
	99	(82 - 119)	3.3	(0-25)	SW846 6010B	03/11-03/15/04	GAR351DG
		Dilution Factor: 1					
		Analysis Time..: 21:22					
Cobalt	110	(82 - 119)			SW846 6010B	03/11-03/15/04	GAR351DU
	105	(82 - 119)	3.6	(0-25)	SW846 6010B	03/11-03/15/04	GAR351DV
		Dilution Factor: 1					
		Analysis Time..: 21:22					
Chromium	108	(73 - 135)			SW846 6010B	03/11-03/15/04	GAR351DH
	104	(73 - 135)	3.0	(0-25)	SW846 6010B	03/11-03/15/04	GAR351DJ
		Dilution Factor: 1					
		Analysis Time..: 21:22					

(Continued on next page)

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: D4C050145 **Matrix.....:** WATER
Date Sampled...: 03/05/04 14:40 **Date Received..:** 03/06/04

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Copper	129	(82 - 129)			SW846 6010B	03/11-03/15/04	GAR351DK
	124	(82 - 129)	4.1	(0-25)	SW846 6010B	03/11-03/15/04	GAR351DL
		Dilution Factor: 1					
		Analysis Time..: 21:22					
Nickel	104	(84 - 120)			SW846 6010B	03/11-03/15/04	GAR351DM
	99	(84 - 120)	3.5	(0-25)	SW846 6010B	03/11-03/15/04	GAR351DN
		Dilution Factor: 1					
		Analysis Time..: 21:22					
Lead	115	(89 - 121)			SW846 6010B	03/11-03/15/04	GAR351DP
	110	(89 - 121)	3.6	(0-25)	SW846 6010B	03/11-03/15/04	GAR351DQ
		Dilution Factor: 1					
		Analysis Time..: 21:22					
Antimony	124	(81 - 124)			SW846 6010B	03/11-03/15/04	GAR351DW
	118	(81 - 124)	4.6	(0-25)	SW846 6010B	03/11-03/15/04	GAR351DX
		Dilution Factor: 1					
		Analysis Time..: 21:22					
Selenium	133	(71 - 140)			SW846 6010B	03/11-03/15/04	GAR351D0
	128	(71 - 140)	3.8	(0-25)	SW846 6010B	03/11-03/15/04	GAR351D1
		Dilution Factor: 1					
		Analysis Time..: 21:22					
Zinc	84	(60 - 137)			SW846 6010B	03/11-03/15/04	GAR351DA
	79	(60 - 137)	3.6	(0-25)	SW846 6010B	03/11-03/15/04	GAR351DC
		Dilution Factor: 1					
		Analysis Time..: 21:22					
Beryllium	112	(79 - 121)			SW846 6010B	03/11-03/16/04	GAR351D2
	107	(79 - 121)	4.2	(0-25)	SW846 6010B	03/11-03/16/04	GAR351D3
		Dilution Factor: 1					
		Analysis Time..: 06:37					
Boron	137 N	(87 - 113)			SW846 6010B	03/11-03/16/04	GAR351CW
	84 N	(87 - 113)	5.2	(0-25)	SW846 6010B	03/11-03/16/04	GAR351CX
		Dilution Factor: 1					
		Analysis Time..: 21:22					

NOTE(S):

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

N Spiked analyte recovery is outside stated control limits.

NC The recovery and/or RPD were not calculated.

MSB The recovery and RPD were not calculated because the sample amount was greater than four times the spike amount.

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: D4C050145 **Matrix.....:** WATER
Date Sampled...: 03/05/04 14:40 **Date Received..:** 03/06/04

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D4C060201-001 **Prep Batch #...:** 4069642									
Manganese									
	870	500	1390	ug/L	105		SW846 6010B	03/11-03/15/04	GAR351C0
	870	500	1350	ug/L	97	3.0	SW846 6010B	03/11-03/15/04	GAR351C1
			Dilution Factor: 1						
			Analysis Time..: 21:22						
Barium									
	2900	2000	5090	ug/L	107		SW846 6010B	03/11-03/15/04	GAR351D4
	2900	2000	4930	ug/L	99	3.2	SW846 6010B	03/11-03/15/04	GAR351D5
			Dilution Factor: 1						
			Analysis Time..: 21:22						
Potassium									
	810000	50000	882000	ug/L			SW846 6010B	03/11-03/16/04	GAR351D6
			Qualifiers: NC,MSB						
	810000	50000	858000	ug/L			SW846 6010B	03/11-03/16/04	GAR351D7
			Qualifiers: NC,MSB						
			Dilution Factor: 1						
			Analysis Time..: 06:37						
Silver									
	ND	50.0	72.3 N	ug/L	144		SW846 6010B	03/11-03/15/04	GAR351DD
	ND	50.0	69.0	ug/L	138	4.6	SW846 6010B	03/11-03/15/04	GAR351DE
			Dilution Factor: 1						
			Analysis Time..: 21:22						
Arsenic									
	350	2000	2880 N	ug/L	126		SW846 6010B	03/11-03/15/04	GAR351DR
	350	2000	2770	ug/L	121	3.7	SW846 6010B	03/11-03/15/04	GAR351DT
			Dilution Factor: 1						
			Analysis Time..: 21:22						
Cadmium									
	3.1	50.0	54.2	ug/L	102		SW846 6010B	03/11-03/15/04	GAR351DF
	3.1	50.0	52.4	ug/L	99	3.3	SW846 6010B	03/11-03/15/04	GAR351DG
			Dilution Factor: 1						
			Analysis Time..: 21:22						
Cobalt									
	52	500	600	ug/L	110		SW846 6010B	03/11-03/15/04	GAR351DU
	52	500	579	ug/L	105	3.6	SW846 6010B	03/11-03/15/04	GAR351DV
			Dilution Factor: 1						
			Analysis Time..: 21:22						

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MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: D4C050145 **Matrix.....:** WATER
Date Sampled...: 03/05/04 14:40 **Date Received..:** 03/06/04

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Chromium									
	96	200	313	ug/L	108		SW846 6010B	03/11-03/15/04	GAR351DH
	96	200	304	ug/L	104	3.0	SW846 6010B	03/11-03/15/04	GAR351DJ
			Dilution Factor: 1						
			Analysis Time..: 21:22						
Copper									
	39	250	363	ug/L	129		SW846 6010B	03/11-03/15/04	GAR351DK
	39	250	348	ug/L	124	4.1	SW846 6010B	03/11-03/15/04	GAR351DL
			Dilution Factor: 1						
			Analysis Time..: 21:22						
Nickel									
	240	500	760	ug/L	104		SW846 6010B	03/11-03/15/04	GAR351DM
	240	500	734	ug/L	99	3.5	SW846 6010B	03/11-03/15/04	GAR351DN
			Dilution Factor: 1						
			Analysis Time..: 21:22						
Lead									
	23	500	596	ug/L	115		SW846 6010B	03/11-03/15/04	GAR351DP
	23	500	575	ug/L	110	3.6	SW846 6010B	03/11-03/15/04	GAR351DQ
			Dilution Factor: 1						
			Analysis Time..: 21:22						
Antimony									
	16	500	636	ug/L	124		SW846 6010B	03/11-03/15/04	GAR351DW
	16	500	607	ug/L	118	4.6	SW846 6010B	03/11-03/15/04	GAR351DX
			Dilution Factor: 1						
			Analysis Time..: 21:22						
Selenium									
	13	2000	2670	ug/L	133		SW846 6010B	03/11-03/15/04	GAR351D0
	13	2000	2570	ug/L	128	3.8	SW846 6010B	03/11-03/15/04	GAR351D1
			Dilution Factor: 1						
			Analysis Time..: 21:22						
Zinc									
	390	500	810	ug/L	84		SW846 6010B	03/11-03/15/04	GAR351DA
	390	500	782	ug/L	79	3.6	SW846 6010B	03/11-03/15/04	GAR351DC
			Dilution Factor: 1						
			Analysis Time..: 21:22						

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MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: D4C050145 **Matrix.....:** WATER
Date Sampled...: 03/05/04 14:40 **Date Received..:** 03/06/04

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Beryllium									
	1.9	50.0	57.8	ug/L	112		SW846 6010B	03/11-03/16/04	GAR351D2
	1.9	50.0	55.4	ug/L	107	4.2	SW846 6010B	03/11-03/16/04	GAR351D3
			Dilution Factor: 1						
			Analysis Time..: 06:37						
Boron									
	9100	1000	10500 N	ug/L	137		SW846 6010B	03/11-03/16/04	GAR351CW
	9100	1000	9970 N	ug/L	84	5.2	SW846 6010B	03/11-03/16/04	GAR351CX
			Dilution Factor: 1						
			Analysis Time..: 21:22						

NOTE(S):

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

N Spiked analyte recovery is outside stated control limits.

NC The recovery and/or RPD were not calculated.

MSB The recovery and RPD were not calculated because the sample amount was greater than four times the spike amount.

METHOD BLANK REPORT

DISSOLVED Metals

Client Lot #...: D4C050145 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: D4C090000-639 **Prep Batch #...:** 4069639						
Calcium	ND	200	ug/L	SW846 6010B	03/15-03/19/04	GAX821AX
		Dilution Factor: 1				
		Analysis Time..: 17:34				
Magnesium	ND	200	ug/L	SW846 6010B	03/15-03/19/04	GAX821A1
		Dilution Factor: 1				
		Analysis Time..: 17:34				
Sodium	ND	5000	ug/L	SW846 6010B	03/15-03/19/04	GAX821A2
		Dilution Factor: 1				
		Analysis Time..: 17:34				
Potassium	**500 B**	**5000**	**ug/L**	**SW846 6010B**	**03/15-03/19/04**	**GAX821A0**
		Dilution Factor: 1				
		Analysis Time..: 17:34				
Iron	ND	100	ug/L	SW846 6010B	03/15-03/19/04	GAX821AJ
		Dilution Factor: 1				
		Analysis Time..: 17:34				

NOTE(S):

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

B Estimated result. Result is less than RL.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: D4C050145 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: D4C090000-639 **Prep Batch #...:** 4069639					
Calcium	110	(89 - 110)	SW846 6010B	03/15-03/19/04	GAX821CP
		Dilution Factor: 1	Analysis Time..: 17:38		
Magnesium	107	(91 - 111)	SW846 6010B	03/15-03/19/04	GAX821CR
		Dilution Factor: 1	Analysis Time..: 17:38		
Sodium	104	(91 - 112)	SW846 6010B	03/15-03/19/04	GAX821CT
		Dilution Factor: 1	Analysis Time..: 17:38		
Potassium	107	(86 - 111)	SW846 6010B	03/15-03/19/04	GAX821CQ
		Dilution Factor: 1	Analysis Time..: 17:38		
Iron	106	(88 - 110)	SW846 6010B	03/15-03/19/04	GAX821CA
		Dilution Factor: 1	Analysis Time..: 17:38		

NOTE(S):

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

LABORATORY CONTROL SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: D4C050145 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: D4C090000-639 **Prep Batch #...:** 4069639							
Calcium	50000	55200	ug/L	110	SW846 6010B	03/15-03/19/04	GAX821CP
			Dilution Factor: 1		Analysis Time..: 17:38		
Magnesium	50000	53700	ug/L	107	SW846 6010B	03/15-03/19/04	GAX821CR
			Dilution Factor: 1		Analysis Time..: 17:38		
Sodium	50000	52000	ug/L	104	SW846 6010B	03/15-03/19/04	GAX821CT
			Dilution Factor: 1		Analysis Time..: 17:38		
Potassium	50000	53600	ug/L	107	SW846 6010B	03/15-03/19/04	GAX821CQ
			Dilution Factor: 1		Analysis Time..: 17:38		
Iron	1000	1060	ug/L	106	SW846 6010B	03/15-03/19/04	GAX821CA
			Dilution Factor: 1		Analysis Time..: 17:38		

NOTE(S):

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

MATRIX SPIKE SAMPLE EVALUATION REPORT

DISSOLVED Metals

Client Lot #...: D4C050145 **Matrix.....:** WATER
Date Sampled...: 03/03/04 15:00 **Date Received..:** 03/05/04

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D4C050373-001 **Prep Batch #...:** 4069639							
Calcium	NC,MSB	(48 - 153)			SW846 6010B	03/15-03/19/04	GAQ0R1DR
	NC,MSB	(48 - 153)		(0-25)	SW846 6010B	03/15-03/19/04	GAQ0R1DT
		Dilution Factor: 1					
		Analysis Time..: 18:26					
Magnesium	109	(62 - 146)			SW846 6010B	03/15-03/19/04	GAQ0R1DW
	112	(62 - 146)	2.1	(0-25)	SW846 6010B	03/15-03/19/04	GAQ0R1DX
		Dilution Factor: 1					
		Analysis Time..: 18:26					
Sodium	124	(70 - 203)			SW846 6010B	03/15-03/19/04	GAQ0R1D0
	131	(70 - 203)	1.9	(0-40)	SW846 6010B	03/15-03/19/04	GAQ0R1D1
		Dilution Factor: 1					
		Analysis Time..: 18:26					
Potassium	108	(76 - 132)			SW846 6010B	03/15-03/19/04	GAQ0R1DU
	110	(76 - 132)	2.0	(0-25)	SW846 6010B	03/15-03/19/04	GAQ0R1DV
		Dilution Factor: 1					
		Analysis Time..: 18:26					
Iron	102	(52 - 155)			SW846 6010B	03/15-03/19/04	GAQ0R1C0
	104	(52 - 155)	2.4	(0-25)	SW846 6010B	03/15-03/19/04	GAQ0R1C1
		Dilution Factor: 1					
		Analysis Time..: 18:26					

NOTE(S):

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

NC The recovery and/or RPD were not calculated.

MSB The recovery and RPD were not calculated because the sample amount was greater than four times the spike amount.

MATRIX SPIKE SAMPLE DATA REPORT

DISSOLVED Metals

Client Lot #...: D4C050145 **Matrix.....:** WATER
Date Sampled...: 03/03/04 15:00 **Date Received..:** 03/05/04

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D4C050373-001 **Prep Batch #...:** 4069639									
Calcium									
	230000	50000	300000	ug/L			SW846 6010B	03/15-03/19/04	GAQ0R1DR
			Qualifiers: NC,MSB						
	230000	50000	310000	ug/L			SW846 6010B	03/15-03/19/04	GAQ0R1DT
			Qualifiers: NC,MSB						
			Dilution Factor: 1						
			Analysis Time..: 18:26						
Magnesium									
	27000	50000	81000	ug/L	109		SW846 6010B	03/15-03/19/04	GAQ0R1DW
	27000	50000	82800	ug/L	112	2.1	SW846 6010B	03/15-03/19/04	GAQ0R1DX
			Dilution Factor: 1						
			Analysis Time..: 18:26						
Sodium									
	130000	50000	188000	ug/L	124		SW846 6010B	03/15-03/19/04	GAQ0R1D0
	130000	50000	191000	ug/L	131	1.9	SW846 6010B	03/15-03/19/04	GAQ0R1D1
			Dilution Factor: 1						
			Analysis Time..: 18:26						
Potassium									
	6100	50000	60100	ug/L	108		SW846 6010B	03/15-03/19/04	GAQ0R1DU
	6100	50000	61300	ug/L	110	2.0	SW846 6010B	03/15-03/19/04	GAQ0R1DV
			Dilution Factor: 1						
			Analysis Time..: 18:26						
Iron									
	ND	1000	1030	ug/L	102		SW846 6010B	03/15-03/19/04	GAQ0R1C0
	ND	1000	1050	ug/L	104	2.4	SW846 6010B	03/15-03/19/04	GAQ0R1C1
			Dilution Factor: 1						
			Analysis Time..: 18:26						

NOTE(S):

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

NC The recovery and/or RPD were not calculated.

MSB The recovery and RPD were not calculated because the sample amount was greater than four times the spike amount.

METHOD BLANK REPORT

General Chemistry

Client Lot #...: D4C050145 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Biochemical Oxygen Demand (BOD)		Work Order #: GAQ5E1AA		MB Lot-Sample #:	D4C050000-585	
	ND	2.0	mg/L	MCAWW 405.1	03/05/04	4065585
		Dilution Factor: 1				
		Analysis Time..: 12:00				
Chemical Oxygen Demand (COD)		Work Order #: GA7EJ1AA		MB Lot-Sample #:	D4C120000-435	
	ND	8.0	mg/L	MCAWW 410.4	03/11/04	4072435
		Dilution Factor: 1				
		Analysis Time..: 20:30				
Chloride		Work Order #: GAVCL1AA		MB Lot-Sample #:	D4C080000-515	
	ND	3.0	mg/L	MCAWW 300.0A	03/05/04	4068515
		Dilution Factor: 1				
		Analysis Time..: 13:22				
Cyanide, Total		Work Order #: GA93G1AA		MB Lot-Sample #:	D4C150000-589	
	ND	0.010	mg/L	SW846 9012A	03/15/04	4075589
		Dilution Factor: 1				
		Analysis Time..: 15:00				
Fluoride		Work Order #: GAVCC1AA		MB Lot-Sample #:	D4C080000-518	
	ND	1.0	mg/L	MCAWW 300.0A	03/05/04	4068518
		Dilution Factor: 1				
		Analysis Time..: 13:22				
Nitrate		Work Order #: GAVDE1AA		MB Lot-Sample #:	D4C080000-516	
	ND	0.50	mg/L	MCAWW 300.0A	03/05/04	4068516
		Dilution Factor: 1				
		Analysis Time..: 13:22				
Specific Conductance		Work Order #: GCAAV1AA		MB Lot-Sample #:	D4C150000-639	
	ND	2.0	umhos/cm	MCAWW 120.1	03/15/04	4075639
		Dilution Factor: 1				
		Analysis Time..: 15:00				
Sulfate		Work Order #: GAVD71AA		MB Lot-Sample #:	D4C080000-517	
	ND	5.0	mg/L	MCAWW 300.0A	03/05/04	4068517
		Dilution Factor: 1				
		Analysis Time..: 13:22				
Total Alkalinity		Work Order #: GCAE51AA		MB Lot-Sample #:	D4C150000-209	
	ND	5.0	mg/L	MCAWW 310.1	03/12/04	4075209
		Dilution Factor: 1				
		Analysis Time..: 12:00				

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METHOD BLANK REPORT

General Chemistry

Client Lot #...: D4C050145 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Dissolved Solids		Work Order #: GA88F1AA		MB Lot-Sample #:	D4C100000-484	
	ND	10	mg/L	MCAWW 160.1	03/10/04	4070484
		Dilution Factor: 1				
		Analysis Time..: 18:00				
Total Organic Halogens		Work Order #: GCD3Q1AA		MB Lot-Sample #:	D4C170000-328	
	ND	30	ug/L	SW846 9020B	03/16/04	4077328
		Dilution Factor: 1				
		Analysis Time..: 12:00				
Total Organic Carbon		Work Order #: GCCT11AA		MB Lot-Sample #:	D4C160000-447	
	ND	1.0	mg/L	MCAWW 415.1	03/15/04	4076447
		Dilution Factor: 1				
		Analysis Time..: 14:00				
Total Sulfide		Work Order #: GAX0D1AA		MB Lot-Sample #:	D4C090000-561	
	ND	4.0	mg/L	SW846 9030B/9034	03/09/04	4069561
		Dilution Factor: 1				
		Analysis Time..: 13:00				

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Lot-Sample #...: D4C050145 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Biochemical Oxygen Demand (BOD)		WO#:GAQ5E1AC-LCS/GAQ5E1AD-LCSD LCS Lot-Sample#: D4C050000-585					
	95	(85 - 115)			MCAWW 405.1	03/05/04	4065585
	87	(85 - 115)	8.9	(0-20)	MCAWW 405.1	03/05/04	4065585
		Dilution Factor: 1			Analysis Time..: 12:00		
Chemical Oxygen Demand (COD)		WO#:GA7EJ1AC-LCS/GA7EJ1AD-LCSD LCS Lot-Sample#: D4C120000-435					
	102	(86 - 114)			MCAWW 410.4	03/11/04	4072435
	102	(86 - 114)	0.64	(0-11)	MCAWW 410.4	03/11/04	4072435
		Dilution Factor: 1			Analysis Time..: 20:30		
Chloride		WO#:GAVCL1AC-LCS/GAVCL1AD-LCSD LCS Lot-Sample#: D4C080000-515					
	99	(90 - 110)			MCAWW 300.0A	03/05/04	4068515
	100	(90 - 110)	1.1	(0-10)	MCAWW 300.0A	03/05/04	4068515
		Dilution Factor: 1			Analysis Time..: 12:59		
Fluoride		WO#:GAVCC1AC-LCS/GAVCC1AD-LCSD LCS Lot-Sample#: D4C080000-518					
	101	(90 - 110)			MCAWW 300.0A	03/05/04	4068518
	104	(90 - 110)	2.7	(0-10)	MCAWW 300.0A	03/05/04	4068518
		Dilution Factor: 1			Analysis Time..: 12:59		
Nitrate		WO#:GAVDE1AC-LCS/GAVDE1AD-LCSD LCS Lot-Sample#: D4C080000-516					
	98	(90 - 110)			MCAWW 300.0A	03/05/04	4068516
	97	(90 - 110)	0.25	(0-10)	MCAWW 300.0A	03/05/04	4068516
		Dilution Factor: 1			Analysis Time..: 12:59		
Specific Conductance		WO#:GCAAV1AC-LCS/GCAAV1AD-LCSD LCS Lot-Sample#: D4C150000-639					
	100	(89 - 109)			MCAWW 120.1	03/15/04	4075639
	100	(89 - 109)	0.42	(0-7.0)	MCAWW 120.1	03/15/04	4075639
		Dilution Factor: 1			Analysis Time..: 15:00		
Sulfate		WO#:GAVD71AC-LCS/GAVD71AD-LCSD LCS Lot-Sample#: D4C080000-517					
	95	(90 - 110)			MCAWW 300.0A	03/05/04	4068517
	95	(90 - 110)	0.21	(0-10)	MCAWW 300.0A	03/05/04	4068517
		Dilution Factor: 1			Analysis Time..: 12:59		

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Lot-Sample #...: D4C050145 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Alkalinity		WO#:GCAE51AC-LCS/GCAE51AD-LCSD				LCS Lot-Sample#: D4C150000-209	
	96	(95 - 110)			MCAWW 310.1	03/12/04	4075209
	97	(95 - 110)	0.74	(0-10)	MCAWW 310.1	03/12/04	4075209
		Dilution Factor: 1			Analysis Time..: 12:00		
Total Dissolved Solids		WO#:GA88F1AC-LCS/GA88F1AD-LCSD				LCS Lot-Sample#: D4C100000-484	
	94	(86 - 106)			MCAWW 160.1	03/10/04	4070484
	94	(86 - 106)	0.0	(0-20)	MCAWW 160.1	03/10/04	4070484
		Dilution Factor: 1			Analysis Time..: 18:00		
Total Organic Carbon		WO#:GCCT11AC-LCS/GCCT11AD-LCSD				LCS Lot-Sample#: D4C160000-447	
	99	(90 - 110)			MCAWW 415.1	03/15/04	4076447
	104	(90 - 110)	5.2	(0-10)	MCAWW 415.1	03/15/04	4076447
		Dilution Factor: 1			Analysis Time..: 14:00		
Total Sulfide		WO#:GAX0D1AC-LCS/GAX0D1AD-LCSD				LCS Lot-Sample#: D4C090000-561	
	79	(70 - 130)			SW846 9030B/9034	03/09/04	4069561
	77	(70 - 130)	2.2	(0-20)	SW846 9030B/9034	03/09/04	4069561
		Dilution Factor: 1			Analysis Time..: 13:00		

NOTE(S):

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

LABORATORY CONTROL SAMPLE DATA REPORT

General Chemistry

Lot-Sample #...: D4C050145 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Biochemical Oxygen Demand (BOD)		WO#:GAQ5E1AC-LCS/GAQ5E1AD-LCSD				LCS Lot-Sample#: D4C050000-585		
	198	188	mg/L	95		MCAWW 405.1	03/05/04	4065585
	198	172	mg/L	87	8.9	MCAWW 405.1	03/05/04	4065585
		Dilution Factor: 1				Analysis Time..: 12:00		
Chemical Oxygen Demand (COD)		WO#:GA7EJ1AC-LCS/GA7EJ1AD-LCSD				LCS Lot-Sample#: D4C120000-435		
	100	102	mg/L	102		MCAWW 410.4	03/11/04	4072435
	100	102	mg/L	102	0.64	MCAWW 410.4	03/11/04	4072435
		Dilution Factor: 1				Analysis Time..: 20:30		
Chloride		WO#:GAVCL1AC-LCS/GAVCL1AD-LCSD				LCS Lot-Sample#: D4C080000-515		
	20.0	19.8	mg/L	99		MCAWW 300.0A	03/05/04	4068515
	20.0	20.0	mg/L	100	1.1	MCAWW 300.0A	03/05/04	4068515
		Dilution Factor: 1				Analysis Time..: 12:59		
Fluoride		WO#:GAVCC1AC-LCS/GAVCC1AD-LCSD				LCS Lot-Sample#: D4C080000-518		
	4.00	4.04	mg/L	101		MCAWW 300.0A	03/05/04	4068518
	4.00	4.15	mg/L	104	2.7	MCAWW 300.0A	03/05/04	4068518
		Dilution Factor: 1				Analysis Time..: 12:59		
Nitrate		WO#:GAVDE1AC-LCS/GAVDE1AD-LCSD				LCS Lot-Sample#: D4C080000-516		
	4.00	3.90	mg/L	98		MCAWW 300.0A	03/05/04	4068516
	4.00	3.89	mg/L	97	0.25	MCAWW 300.0A	03/05/04	4068516
		Dilution Factor: 1				Analysis Time..: 12:59		
Specific Conductance		WO#:GCAAV1AC-LCS/GCAAV1AD-LCSD				LCS Lot-Sample#: D4C150000-639		
	1410	1410	umhos/cm	100		MCAWW 120.1	03/15/04	4075639
	1410	1400	umhos/cm	100	0.42	MCAWW 120.1	03/15/04	4075639
		Dilution Factor: 1				Analysis Time..: 15:00		
Sulfate		WO#:GAVD71AC-LCS/GAVD71AD-LCSD				LCS Lot-Sample#: D4C080000-517		
	20.0	18.9	mg/L	95		MCAWW 300.0A	03/05/04	4068517
	20.0	19.0	mg/L	95	0.21	MCAWW 300.0A	03/05/04	4068517
		Dilution Factor: 1				Analysis Time..: 12:59		

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LABORATORY CONTROL SAMPLE DATA REPORT

General Chemistry

Lot-Sample #...: D4C050145 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Alkalinity		WO#:GCAE51AC-LCS/GCAE51AD-LCSD				LCS Lot-Sample#: D4C150000-209		
	200	192	mg/L	96		MCAWW 310.1	03/12/04	4075209
	200	193	mg/L	97	0.74	MCAWW 310.1	03/12/04	4075209
		Dilution Factor: 1				Analysis Time..: 12:00		
Total Dissolved Solids		WO#:GA88F1AC-LCS/GA88F1AD-LCSD				LCS Lot-Sample#: D4C100000-484		
	500	472	mg/L	94		MCAWW 160.1	03/10/04	4070484
	500	472	mg/L	94	0.0	MCAWW 160.1	03/10/04	4070484
		Dilution Factor: 1				Analysis Time..: 18:00		
Total Organic Carbon		WO#:GCCT11AC-LCS/GCCT11AD-LCSD				LCS Lot-Sample#: D4C160000-447		
	25.0	24.7	mg/L	99		MCAWW 415.1	03/15/04	4076447
	25.0	26.0	mg/L	104	5.2	MCAWW 415.1	03/15/04	4076447
		Dilution Factor: 1				Analysis Time..: 14:00		
Total Sulfide		WO#:GAX0D1AC-LCS/GAX0D1AD-LCSD				LCS Lot-Sample#: D4C090000-561		
	18.3	14.4	mg/L	79		SW846 9030B/9034	03/09/04	4069561
	18.3	14.1	mg/L	77	2.2	SW846 9030B/9034	03/09/04	4069561
		Dilution Factor: 1				Analysis Time..: 13:00		

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: D4C050145 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Cyanide, Total		Work Order #: GA93G1AC	LCS Lot-Sample#: D4C150000-589		
	96	(89 - 109)	SW846 9012A	03/15-03/16/04	4075589
		Dilution Factor: 1	Analysis Time..: 15:00		
Total Organic Halogens		Work Order #: GCD3Q1AC	LCS Lot-Sample#: D4C170000-328		
	88	(75 - 113)	SW846 9020B	03/16/04	4077328
		Dilution Factor: 1	Analysis Time..: 12:00		

NOTE(S):

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

LABORATORY CONTROL SAMPLE DATA REPORT

General Chemistry

Client Lot #...: D4C050145 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Cyanide, Total			Work Order #: GA93G1AC		LCS Lot-Sample#: D4C150000-589		
	0.100	0.0964	mg/L	96	SW846 9012A	03/15-03/16/04	4075589
			Dilution Factor: 1		Analysis Time..: 15:00		
Total Organic Halogens			Work Order #: GCD3Q1AC		LCS Lot-Sample#: D4C170000-328		
	100	88.0	ug/L	88	SW846 9020B	03/16/04	4077328
			Dilution Factor: 1		Analysis Time..: 12:00		

NOTE(S):

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

MATRIX SPIKE SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: D4C050145 **Matrix.....:** WATER
Date Sampled...: 03/04/04 12:30 **Date Received..:** 03/05/04

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chemical Oxygen Demand (COD)		WO#: GAMD81AF-MS/GAMD81AG-MSD				MS Lot-Sample #: D4C040322-001	
	94	(74 - 109)			MCAWW 410.4	03/11/04	4072435
	88	(74 - 109)	5.2	(0-11)	MCAWW 410.4	03/11/04	4072435
		Dilution Factor: 1					
		Analysis Time..: 20:30					
Chloride		WO#: GANTG1CT-MS/GANTG1CU-MSD				MS Lot-Sample #: D4C050145-001	
	107 I	(80 - 120)			MCAWW 300.0A	03/05/04	4068515
	108 I	(80 - 120)	0.29	(0-10)	MCAWW 300.0A	03/05/04	4068515
		Dilution Factor: 1					
		Analysis Time..: 13:44					
Chloride		WO#: GAQ021CQ-MS/GAQ021CR-MSD				MS Lot-Sample #: D4C050373-003	
	105	(80 - 120)			MCAWW 300.0A	03/05/04	4068515
	109	(80 - 120)	2.6	(0-10)	MCAWW 300.0A	03/05/04	4068515
		Dilution Factor: 1					
		Analysis Time..: 20:59					
Cyanide, Total		WO#: GALQV1C7-MS/GALQV1C8-MSD				MS Lot-Sample #: D4C040230-001	
	94	(78 - 120)			SW846 9012A	03/15-03/16/04	4075589
	96	(78 - 120)	1.4	(0-20)	SW846 9012A	03/15-03/16/04	4075589
		Dilution Factor: 1					
		Analysis Time..: 15:00					
Fluoride		WO#: GANTG1CQ-MS/GANTG1CR-MSD				MS Lot-Sample #: D4C050145-001	
	108	(80 - 120)			MCAWW 300.0A	03/05/04	4068518
	108	(80 - 120)	0.55	(0-10)	MCAWW 300.0A	03/05/04	4068518
		Dilution Factor: 1					
		Analysis Time..: 13:44					
Fluoride		WO#: GAQ021CN-MS/GAQ021CP-MSD				MS Lot-Sample #: D4C050373-003	
	96	(80 - 120)			MCAWW 300.0A	03/05/04	4068518
	99	(80 - 120)	3.1	(0-10)	MCAWW 300.0A	03/05/04	4068518
		Dilution Factor: 1					
		Analysis Time..: 20:59					
Nitrate		WO#: GANTG1CV-MS/GANTG1CW-MSD				MS Lot-Sample #: D4C050145-001	
	106	(80 - 120)			MCAWW 300.0A	03/05/04	4068516
	107	(80 - 120)	0.18	(0-10)	MCAWW 300.0A	03/05/04	4068516
		Dilution Factor: 1					
		Analysis Time..: 13:44					

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MATRIX SPIKE SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: D4C050145 **Matrix.....:** WATER
Date Sampled...: 03/04/04 12:30 **Date Received..:** 03/05/04

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Nitrate		WO#: GAQ021CV-MS/GAQ021CW-MSD				MS Lot-Sample #: D4C050373-003	
	101	(80 - 120)			MCAWW 300.0A	03/05/04	4068516
	107	(80 - 120)	4.6	(0-10)	MCAWW 300.0A	03/05/04	4068516
		Dilution Factor: 1					
		Analysis Time..: 20:59					
Sulfate		WO#: GANTG1CX-MS/GANTG1C0-MSD				MS Lot-Sample #: D4C050145-001	
	107	(80 - 120)			MCAWW 300.0A	03/05/04	4068517
	107	(80 - 120)	0.19	(0-10)	MCAWW 300.0A	03/05/04	4068517
		Dilution Factor: 1					
		Analysis Time..: 14:18					
Sulfate		WO#: GAQ021CX-MS/GAQ021C0-MSD				MS Lot-Sample #: D4C050373-003	
	110	(80 - 120)			MCAWW 300.0A	03/05/04	4068517
	109	(80 - 120)	0.60	(0-10)	MCAWW 300.0A	03/05/04	4068517
		Dilution Factor: 1					
		Analysis Time..: 22:29					
Total Organic Halogens		WO#: GAQ1W1CP-MS/GAQ1W1CQ-MSD				MS Lot-Sample #: D4C050375-003	
	94	(75 - 113)			SW846 9020B	03/16-03/18/04	4077328
	90	(75 - 113)	3.8	(0-30)	SW846 9020B	03/16-03/18/04	4077328
		Dilution Factor: 1					
		Analysis Time..: 18:00					
Total Organic Carbon		WO#: GAQEV1AD-MS/GAQEV1AE-MSD				MS Lot-Sample #: D4C050333-001	
	95	(85 - 117)			MCAWW 415.1	03/15/04	4076447
	97	(85 - 117)	2.0	(0-10)	MCAWW 415.1	03/15/04	4076447
		Dilution Factor: 1					
		Analysis Time..: 15:00					

NOTE(S):

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

I Estimated result. Result concentration exceeds the calibration range.

MATRIX SPIKE SAMPLE DATA REPORT

General Chemistry

Client Lot #...: D4C050145 **Matrix.....:** WATER
Date Sampled...: 03/04/04 12:30 **Date Received..:** 03/05/04

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chemical Oxygen Demand (COD)			WO#: GAMD81AF-MS/GAMD81AG-MSD				MS Lot-Sample #: D4C040322-001		
	5.2	50.0	52.1	mg/L	94		MCAWW 410.4	03/11/04	4072435
	5.2	50.0	49.4	mg/L	88	5.2	MCAWW 410.4	03/11/04	4072435
			Dilution Factor: 1						
			Analysis Time..: 20:30						
Chloride			WO#: GANTG1CT-MS/GANTG1CU-MSD				MS Lot-Sample #: D4C050145-001		
	25	25.0	51.3 I	mg/L	107		MCAWW 300.0A	03/05/04	4068515
	25	25.0	51.4 I	mg/L	108	0.29	MCAWW 300.0A	03/05/04	4068515
			Dilution Factor: 1						
			Analysis Time..: 13:44						
Chloride			WO#: GAQ021CQ-MS/GAQ021CR-MSD				MS Lot-Sample #: D4C050373-003		
	13	25.0	39.8	mg/L	105		MCAWW 300.0A	03/05/04	4068515
	13	25.0	40.8	mg/L	109	2.6	MCAWW 300.0A	03/05/04	4068515
			Dilution Factor: 1						
			Analysis Time..: 20:59						
Cyanide, Total			WO#: GALQV1C7-MS/GALQV1C8-MSD				MS Lot-Sample #: D4C040230-001		
	ND	0.100	0.0955	mg/L	94		SW846 9012A	03/15-03/16/04	4075589
	ND	0.100	0.0968	mg/L	96	1.4	SW846 9012A	03/15-03/16/04	4075589
			Dilution Factor: 1						
			Analysis Time..: 15:00						
Fluoride			WO#: GANTG1CQ-MS/GANTG1CR-MSD				MS Lot-Sample #: D4C050145-001		
	ND	5.00	5.38	mg/L	108		MCAWW 300.0A	03/05/04	4068518
	ND	5.00	5.41	mg/L	108	0.55	MCAWW 300.0A	03/05/04	4068518
			Dilution Factor: 1						
			Analysis Time..: 13:44						
Fluoride			WO#: GAQ021CN-MS/GAQ021CP-MSD				MS Lot-Sample #: D4C050373-003		
	0.94	5.00	5.73	mg/L	96		MCAWW 300.0A	03/05/04	4068518
	0.94	5.00	5.91	mg/L	99	3.1	MCAWW 300.0A	03/05/04	4068518
			Dilution Factor: 1						
			Analysis Time..: 20:59						
Nitrate			WO#: GANTG1CV-MS/GANTG1CW-MSD				MS Lot-Sample #: D4C050145-001		
	ND	5.00	5.32	mg/L	106		MCAWW 300.0A	03/05/04	4068516
	ND	5.00	5.33	mg/L	107	0.18	MCAWW 300.0A	03/05/04	4068516
			Dilution Factor: 1						
			Analysis Time..: 13:44						

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MATRIX SPIKE SAMPLE DATA REPORT

General Chemistry

Client Lot #...: D4C050145 **Matrix.....:** WATER
Date Sampled...: 03/04/04 12:30 **Date Received..:** 03/05/04

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Nitrate			WO#: GAQ021CV-MS/GAQ021CW-MSD				MS Lot-Sample #: D4C050373-003		
	0.62	5.00	5.69	mg/L	101		MCAWW 300.0A	03/05/04	4068516
	0.62	5.00	5.96	mg/L	107	4.6	MCAWW 300.0A	03/05/04	4068516
			Dilution Factor: 1						
			Analysis Time..: 20:59						
Sulfate			WO#: GANTG1CX-MS/GANTG1C0-MSD				MS Lot-Sample #: D4C050145-001		
	50	125	183	mg/L	107		MCAWW 300.0A	03/05/04	4068517
	50	125	184	mg/L	107	0.19	MCAWW 300.0A	03/05/04	4068517
			Dilution Factor: 1						
			Analysis Time..: 14:18						
Sulfate			WO#: GAQ021CX-MS/GAQ021C0-MSD				MS Lot-Sample #: D4C050373-003		
	320	500	869	mg/L	110		MCAWW 300.0A	03/05/04	4068517
	320	500	864	mg/L	109	0.60	MCAWW 300.0A	03/05/04	4068517
			Dilution Factor: 1						
			Analysis Time..: 22:29						
Total Organic Halogens			WO#: GAQ1W1CP-MS/GAQ1W1CQ-MSD				MS Lot-Sample #: D4C050375-003		
	460	2000	2340	ug/L	94		SW846 9020B	03/16-03/18/04	4077328
	460	2000	2250	ug/L	90	3.8	SW846 9020B	03/16-03/18/04	4077328
			Dilution Factor: 1						
			Analysis Time..: 18:00						
Total Organic Carbon			WO#: GAQEV1AD-MS/GAQEV1AE-MSD				MS Lot-Sample #: D4C050333-001		
	4.4	25.0	28.1	mg/L	95		MCAWW 415.1	03/15/04	4076447
	4.4	25.0	28.6	mg/L	97	2.0	MCAWW 415.1	03/15/04	4076447
			Dilution Factor: 1						
			Analysis Time..: 15:00						

NOTE(S):

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

I Estimated result. Result concentration exceeds the calibration range.

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: D4C050145 **Work Order #...:** GANTG-SMP GANTG-DUP **Matrix.....:** WATER

Date Sampled...: 03/04/04 09:30 **Date Received..:** 03/05/04

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Biochemical Oxygen Demand (BOD)						SD Lot-Sample #:	D4C050145-001	
	7.1	7.7	mg/L	8.1	(0-20)	MCAWW 405.1	03/05/04	4065585

Dilution Factor: 1 Analysis Time..: 12:00

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: D4C050145 **Work Order #...:** GAQ0R-SMP GAQ0R-DUP **Matrix.....:** WATER

Date Sampled...: 03/03/04 15:00 **Date Received..:** 03/05/04

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Dissolved Solids						SD Lot-Sample #:	D4C050373-001	
	1200	1200	mg/L	0.24	(0-20)	MCAWW 160.1	03/10/04	4070484

Dilution Factor: 1 Analysis Time..: 18:00

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: D4C050145 **Work Order #...:** GAM29-SMP GAM29-DUP **Matrix.....:** WATER

Date Sampled...: 03/02/04 14:00 **Date Received..:** 03/04/04

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Alkalinity						SD Lot-Sample #:	D4C040387-002	
	91	91	mg/L	0.11	(0-10)	MCAWW 310.1	03/12/04	4075208

Dilution Factor: 1 Analysis Time..: 12:00

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: D4C050145 **Work Order #...:** F97X6-SMP **Matrix.....:** WATER
F97X6-DUP
Date Sampled...: 02/26/04 08:00 **Date Received..:** 02/26/04

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Specific Conductance						SD Lot-Sample #:	D4B260128-001	
	270	270	umhos/cm	0.37	(0-7.0)	MCAWW 120.1	03/15/04	4075639

Dilution Factor: 1 Analysis Time..: 15:00

[redacted]

Chain of Custody Record

5.6°
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STL Denver
4955 Yarrow Street
Arvada, CO 80002

SEVERN TRENT SERVICES

Severn Trent Laboratories, Inc.

STL-4124 (1200) DEN (0900)

Client: SCS-ENG c/o WASTE MGMT	Project Manager: TINA SCHMIESING	Date: 3/4/04	Chain of Custody Number: 091586
Address: 3711 LONG BEACH BLVD 17TH	Telephone Number (Area Code)/Fax Number: 1800 326 9544	Lab Number	Page 1 of 1
City: LONG BEACH; State: CA; Zip Code: 90807	Site Contact: BRUCE M	Lab Contact: BETSY F	
Project Name and Location (State): BRADLEY LF	Carrier/Waybill Number		
Contract/Purchase Order/Quote No.: 234-25662-C			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil		Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH		Analysis (Attach list if more space is needed): COND	TBT ALK	SO4/Cl/PO4	TDS	Metals Tot.	TOX	COD/TOC	VOA	Metals diss.	BOD	NO3/NE	ENA	CN	T. Sulfides	Special Instructions/ Conditions of Receipt
4916 J	3/1/04	0930		X				5	2	2	3	1	1		X	X	X	X	X	X	X	X	X	X	X	X	X	X	

Possible Hazard Identification: ☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal: ☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 3 months)

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

1. Relinquished By	Date: 3/4/04	Time: 1405	1. Received By	Date: 3/5/04	Time: 0900
2. Relinquished By	Date	Time	2. Received By	Date	Time
3. Relinquished By	Date	Time	3. Received By	Date	Time

Comments

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DISTRIBUTION: WHITE - Stays with the Sample; CANARY - Returned to Client with Report; PINK - Field Copy

FIELD INFORMATION FORM

WASTE MANAGEMENT

Site Name: BRADLEY LF

Site No.:

Sample Point: 4916 J (Sample ID)

This Waste Management Field Information Form is Required
This form is to be completed, in addition to any State Forms. The Field Form is submitted along with the Chain of Custody Forms that accompany the sample containers (i.e. with the cooler that is returned to the laboratory).

Laboratory Use Only/Lab ID: DUCO5014-001

PURGE INFO

PURGE DATE (MM DD YY)	PURGE TIME (2400 Hr Clock)	ELAPSED HRS (hrs:min)	WATER VOL IN CASING (Gallons)	ACTUAL VOL PURGED (Gallons)	WELL VOLs PURGED
030404	0815	115	300	70	

Note: For Passive Sampling, replace "Water Vol in Casing" and "Well Vols Purged" w/ Water Vol in Tubing/Flow Cell and Tubing/Flow Cell Vols Purged. Mark changes, record field data, below.

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment ... Dedicated: (Y) or N

Filter Device: (Y) or N (0.45 µ) or ____ µ (circle or fill in)

Purging Device: C — A- Submersible Pump, B-Peristaltic Pump, C-QED Bladder Pump, D-Bailer, E-Piston Pump, F-Dipper/Bottle

Sampling Device: C

X-Other:

Filter Type: A — A-In-line Disposable, B-Pressure, C-Vacuum, X-Other

Sample Tube Type: A — A-Teflon, B-Stainless Steel, C-PVC, D-Polypropylene, X-Other:

WELL DATA

Well Elevation (at TOC): 867.13 (ft/msl)

Depth to Water (DTW) (from TOC): 26.297 (ft)

Groundwater Elevation (site datum, from TOC): ____ (ft/msl)

Total Well Depth (from TOC): 310 (ft)

Stick Up (from ground elevation): ____ (ft)

Casing ID: 4.0 (in)

Casing Material: PVC

Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data, unless required by Site/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

STABILIZATION DATA (Optional)

Sample Time (2400 Hr Clock)	Rate/Unit	pH (std)	Conductance (SC/EC) (µmhos/cm @ 25 °C)	Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
0840	2.0 1st	6.90 1st	.734 1st	18.0	2.2	1.3	—	—
0900	4.0 2nd	6.88 2nd	.733 2nd	18.2	0.5	0.7	—	—
0920	6.0 3rd	6.90 3rd	.734 3rd	18.3	1.6	0.6	—	—
0930	7.0 4th	6.89 4th	.733 4th	18.2	0.0	0.6	—	—
Suggested range for 3 consec. readings or note Permit/State requirements:		+/- 0.2	+/- 3%	--	--	+/- 10%	+/- 25 mV	Stabilize

Stabilization Data Fields are Optional *(i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State/Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form.*

FIELD DATA

SAMPLE DATE (MM DD YY)	pH (std)	CONDUCTANCE (umhos/cm @ 25°C)	TEMP. (°C)	TURBIDITY (ntu)	DO (mg/L-ppm)	eH/ORP (mV)	Other: Units gal.
030404	6.89	.733	18.2	0.0	0.6	—	—

Final Field Readings are required *(i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site.*

Sample Appearance: clear Odor: none Color: clear Other:

Weather Conditions (required daily, or as conditions change): Direction/Speed: Outlook: Precipitation: Y or (N)

Specific Comments (including purge/well volume calculations if required):

FIELD COMMENTS

- Samples collected when readings had stabilized @ 7 gal.
- Samples collected @ 0930 hrs.

I certify that sampling procedures were in accordance with applicable EPA, State, and WM protocols (if more than one sampler, all should sign):

Date	Name	Signature	Company
03/04/04	Ernesto Martinez	[signature]	SCS-ES.

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy

STL-8029WM R7/00

Groundwater Resample Data
Headspace Gas Data

SEVERN TRENT STL

STL Denver
4955 Yarrow Street
Arvada, CO 80002

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

ANALYTICAL REPORT

Project No. Site 234

Bradley LF

Lot #: D4C250371

4915M Resample

Bruce Matlock

Waste Mgmt. Disp. Serv. of CA
9081 Tujunga
Sun Valley, CA 91352

Cc: Tina Schmiesing

STL DENVER

Betsy Farnaus
Project Manager

April 15, 2004

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Case Narrative

Enclosed is the report for one sample received at STL's Denver laboratory on March 25, 2004. The results included in this report have been reviewed for compliance with STL's Laboratory Quality Manual. The test results shown in this report meet all requirements of NELAC and any exceptions are noted below.

This report may include data with reporting limits (RLs) less than STL Denver's standard reporting limits. These data and reporting limits are being used specifically to meet the needs of this project. Note that, data are not customarily reported to these levels without qualifiers, because they are inherently less reliable and potentially less defensible than the latest industry standards require. Please contact STL Denver for more details.

Dilution factors and footnotes have been provided to assist in the interpretation of the results. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at concentrations above the linear calibration curve, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

STL utilizes USEPA approved methods in all analytical work. The samples presented in this report were analyzed for the parameters listed on the analytical methods summary page in accordance with the methods indicated. A summary of quality control parameters is provided below.

This report shall not be reproduced except in full, without the written approval of the laboratory.

Quality Control Summary for Lot D4C250371

Sample Receiving

- The cooler temperature upon receipt at the Denver laboratory was 4.3°C.
- The sample bottles were received in acceptable condition.

Holding Times

- The holding times were within established control limits.

Method Blanks

- Methylene Chloride Method 8260B was detected in the Method Blank below the project established reporting limit. No corrective action is taken for any values in Method Blanks that are below the requested reporting limits. The Method Blank data are included at the end of this report.
- All other Method Blank recoveries were within established control limits.

Laboratory Control Samples

- The Laboratory Control Samples were within established control limits.

Matrix Spike and Matrix Spike Duplicate (MS/MSD)

- The MS and MSD samples were within established control limits.

EXECUTIVE SUMMARY - Detection Highlights

D4C250371

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
4915M 03/24/04 15:40 001				
Chloroform	0.63 J	5.0	ug/L	SW846 8260B
1,1-Dichloroethene	0.26 J	1.0	ug/L	SW846 8260B
Methylene chloride	0.22 J,B	5.0	ug/L	SW846 8260B
1,1,1-Trichloroethane	0.22 J	5.0	ug/L	SW846 8260B
Trichloroethene	15	5.0	ug/L	SW846 8260B

PREPARATION METHODS SUMMARY

D4C250371

PREPARATION DESCRIPTION	PREPARATION METHOD	ANALYTICAL METHOD
Continuous Liquid-Liquid Extraction	SW846 3520C	SW846 8270C
25 mL Purge-and-Trap	SW846 5030B/826	SW846 8260B

References:

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

ANALYTICAL METHODS SUMMARY

D4C250371

PARAMETER	ANALYTICAL METHOD
Semivolatile Organic Compounds by GC/MS	SW846 8270C
Volatile Organics by GC/MS	SW846 8260B

References:

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

METHOD / ANALYST SUMMARY

D4C250371

ANALYTICAL METHOD	ANALYST	ANALYST ID
SW846 8260B	Greg Meier	006004
SW846 8270C	Joann Peterson	011674

References:

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

SAMPLE SUMMARY

D4C250371

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
GCX4M	001	4915M	03/24/04	15:40

NOTE(S):

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

WASTE MANAGEMENT INC.

Client Sample ID: 4915M

GC/MS Volatiles

Lot-Sample #...: D4C250371-001 **Work Order #...:** GCX4M1AA **Matrix.....:** WATER
Date Sampled...: 03/24/04 15:40 **Date Received..:** 03/25/04
Prep Date.....: 04/06/04 **Analysis Date..:** 04/07/04
Prep Batch #...: 4098519 **Analysis Time..:** 02:47
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	34	ug/L	2.5
Acrylonitrile	ND	100	ug/L	3.1
Benzene	ND	1.0	ug/L	0.17
Bromochloromethane	ND	10	ug/L	0.27
Bromodichloromethane	ND	5.0	ug/L	0.20
Bromoform	ND	5.0	ug/L	0.23
Bromomethane	ND	10	ug/L	0.22
Carbon disulfide	ND	5.0	ug/L	0.24
Carbon tetrachloride	ND	0.50	ug/L	0.20
Chlorobenzene	ND	5.0	ug/L	0.13
Dibromochloromethane	ND	5.0	ug/L	0.19
Chloroethane	ND	10	ug/L	0.18
Chloroform	**0.63 J**	**5.0**	**ug/L**	**0.17**
Chloromethane	ND	10	ug/L	0.91
Dibromomethane	ND	10	ug/L	0.31
1,2-Dichlorobenzene	ND	10	ug/L	0.15
1,4-Dichlorobenzene	ND	10	ug/L	0.16
trans-1,4-Dichloro-2-butene	ND	10	ug/L	0.45
Dichlorodifluoromethane	ND	10	ug/L	0.22
1,1-Dichloroethane	ND	5.0	ug/L	0.22
1,2-Dichloroethane	ND	5.0	ug/L	0.26
1,1-Dichloroethene	**0.26 J**	**1.0**	**ug/L**	**0.23**
cis-1,2-Dichloroethene	ND	10	ug/L	0.14
trans-1,2-Dichloroethene	ND	10	ug/L	0.15
1,2-Dichloropropane	ND	5.0	ug/L	0.18
cis-1,3-Dichloropropene	ND	5.0	ug/L	0.19
trans-1,3-Dichloropropene	ND	5.0	ug/L	0.20
Ethylbenzene	ND	5.0	ug/L	0.12
Trichlorofluoromethane	ND	10	ug/L	0.24
2-Hexanone	ND	5.0	ug/L	1.7
Iodomethane	ND	10	ug/L	0.19
Methylene chloride	**0.22 J,B**	**5.0**	**ug/L**	**0.21**
4-Methyl-2-pentanone	ND	10	ug/L	0.98
Styrene	ND	5.0	ug/L	0.14
1,1,1,2-Tetrachloroethane	ND	5.0	ug/L	0.21
1,1,2,2-Tetrachloroethane	ND	5.0	ug/L	0.21
Tetrachloroethene	ND	5.0	ug/L	0.26

(Continued on next page)

WASTE MANAGEMENT INC.

Client Sample ID: 4915M

GC/MS Volatiles

Lot-Sample #...: D4C250371-001 **Work Order #...:** GCX4M1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Toluene	ND	1.0	ug/L	0.15
1,1,1-Trichloroethane	**0.22 J**	**5.0**	**ug/L**	**0.16**
1,1,2-Trichloroethane	ND	5.0	ug/L	0.27
Trichloroethene	**15**	**5.0**	**ug/L**	**0.16**
1,2,3-Trichloropropane	ND	10	ug/L	0.33
Vinyl acetate	ND	10	ug/L	0.56
Vinyl chloride	ND	1.0	ug/L	0.19
Xylenes (total)	ND	10	ug/L	0.41
1,2-Dibromo-3-chloropropane (DBCP)	ND	10	ug/L	0.47
1,2-Dibromoethane (EDB)	ND	1.0	ug/L	0.18
2-Butanone (MEK)	ND	10	ug/L	2.0

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	102	(76 - 116)
1,2-Dichloroethane-d4	94	(59 - 129)
4-Bromofluorobenzene	98	(74 - 114)
Toluene-d8	101	(76 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

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

WASTE MANAGEMENT INC.

Client Sample ID: 4915M

GC/MS Semivolatiles

Lot-Sample #...: D4C250371-001 **Work Order #...:** GCX4M1AC **Matrix.....:** WATER
Date Sampled...: 03/24/04 15:40 **Date Received..:** 03/25/04
Prep Date.....: 03/26/04 **Analysis Date..:** 04/06/04
Prep Batch #...: 4086198 **Analysis Time..:** 00:59
Dilution Factor: 1

Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acenaphthene	ND	10	ug/L	0.60
Acenaphthylene	ND	10	ug/L	0.60
Acetophenone	ND	10	ug/L	2.0
2-Acetylaminofluorene	ND	100	ug/L	2.0
4-Aminobiphenyl	ND	50	ug/L	2.0
Anthracene	ND	10	ug/L	3.0
Benzo(a)anthracene	ND	10	ug/L	0.80
Benzo(b)fluoranthene	ND	10	ug/L	0.90
Benzo(k)fluoranthene	ND	10	ug/L	2.0
Benzo(ghi)perylene	ND	10	ug/L	1.0
Benzo(a)pyrene	ND	10	ug/L	0.80
Benzyl alcohol	ND	10	ug/L	1.0
bis(2-Chloroethoxy) methane	ND	10	ug/L	0.90
bis(2-Chloroethyl)-ether	ND	10	ug/L	3.0
bis(2-Ethylhexyl) phthalate	ND	10	ug/L	0.90
4-Bromophenyl phenyl ether	ND	10	ug/L	0.70
Butyl benzyl phthalate	ND	10	ug/L	1.0
4-Chloroaniline	ND	10	ug/L	3.0
Chlorobenzilate	ND	10	ug/L	2.0
4-Chloro-3-methylphenol	ND	10	ug/L	0.80
2-Chloronaphthalene	ND	10	ug/L	0.70
2-Chlorophenol	ND	10	ug/L	0.80
4-Chlorophenyl phenyl ether	ND	10	ug/L	0.60
Chrysene	ND	10	ug/L	0.80
Diallate	ND	20	ug/L	2.0
Dibenz(a,h)anthracene	ND	10	ug/L	0.90
Dibenzofuran	ND	10	ug/L	0.60
Di-n-butyl phthalate	ND	10	ug/L	0.80
3,3'-Dichlorobenzidine	ND	50	ug/L	8.0
2,4-Dichlorophenol	ND	10	ug/L	0.70
2,6-Dichlorophenol	ND	10	ug/L	2.0
Diethyl phthalate	ND	10	ug/L	0.70
Dimethoate	ND	20	ug/L	2.0

(Continued on next page)

WASTE MANAGEMENT INC.

Client Sample ID: 4915M

GC/MS Semivolatiles

Lot-Sample #...: D4C250371-001 **Work Order #...:** GCX4M1AC **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
4-Dimethylaminoazobenzene	ND	20	ug/L	2.0
7,12-Dimethylbenz(a)-anthracene	ND	20	ug/L	3.0
3,3'-Dimethylbenzidine	ND	20	ug/L	4.0
2,4-Dimethylphenol	ND	10	ug/L	4.0
Dimethyl phthalate	ND	10	ug/L	0.80
1,3-Dinitrobenzene	ND	10	ug/L	2.0
4,6-Dinitro-2-methylphenol	ND	50	ug/L	6.0
2,4-Dinitrophenol	ND	50	ug/L	6.0
2,4-Dinitrotoluene	ND	10	ug/L	1.0
2,6-Dinitrotoluene	ND	10	ug/L	0.80
Dinoseb	ND	10	ug/L	2.0
Di-n-octyl phthalate	ND	10	ug/L	1.0
Diphenylamine	ND	10	ug/L	2.0
Disulfoton	ND	50	ug/L	2.0
Ethyl methanesulfonate	ND	10	ug/L	2.0
Famphur	ND	200	ug/L	9.0
Fluoranthene	ND	10	ug/L	0.70
Fluorene	ND	10	ug/L	0.60
Hexachlorobenzene	ND	10	ug/L	0.80
Hexachlorobutadiene	ND	10	ug/L	1.0
Hexachlorocyclopenta-diene	ND	50	ug/L	5.0
Hexachloroethane	ND	10	ug/L	0.80
Hexachloropropene	ND	100	ug/L	1.0
Indeno(1,2,3-cd)pyrene	ND	10	ug/L	0.80
Isodrin	ND	10	ug/L	5.0
Isophorone	ND	10	ug/L	0.90
Isosafrole	ND	20	ug/L	3.0
Methapyrilene	ND	50	ug/L	20
3-Methylcholanthrene	ND	20	ug/L	1.0
Methyl methanesulfonate	ND	10	ug/L	2.0
2-Methylnaphthalene	ND	10	ug/L	0.80
Methyl parathion	ND	50	ug/L	2.0
2-Methylphenol	ND	10	ug/L	0.90
3-Methylphenol & 4-Methylphenol	ND	10	ug/L	0.80
Naphthalene	ND	10	ug/L	0.80
1,4-Naphthoquinone	ND	50	ug/L	2.0
1-Naphthylamine	ND	10	ug/L	1.0
2-Naphthylamine	ND	10	ug/L	1.0
2-Nitroaniline	ND	50	ug/L	0.90

(Continued on next page)

WASTE MANAGEMENT INC.

Client Sample ID: 4915M

GC/MS Semivolatiles

Lot-Sample #...: D4C250371-001 **Work Order #...:** GCX4M1AC **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
3-Nitroaniline	ND	50	ug/L	0.90
4-Nitroaniline	ND	50	ug/L	6.0
Nitrobenzene	ND	10	ug/L	2.0
2-Nitrophenol	ND	10	ug/L	0.80
4-Nitrophenol	ND	50	ug/L	7.0
N-Nitrosodi-n-butylamine	ND	10	ug/L	2.0
N-Nitrosodiethylamine	ND	10	ug/L	2.0
N-Nitrosodimethylamine	ND	10	ug/L	0.80
N-Nitrosodiphenylamine	ND	10	ug/L	1.0
N-Nitrosodi-n-propyl-amine	ND	10	ug/L	0.70
N-Nitrosomethylethylamine	ND	10	ug/L	2.0
N-Nitrosopiperidine	ND	10	ug/L	2.0
N-Nitrosopyrrolidine	ND	10	ug/L	2.0
5-Nitro-o-toluidine	ND	20	ug/L	2.0
2,2'-oxybis(1-Chloropropane)	ND	10	ug/L	0.70
Parathion	ND	50	ug/L	2.0
Pentachlorobenzene	ND	10	ug/L	2.0
Pentachloronitrobenzene	ND	50	ug/L	2.0
Pentachlorophenol	ND	50	ug/L	5.0
Phenacetin	ND	20	ug/L	2.0
Phenanthrene	ND	10	ug/L	0.70
Phenol	ND	10	ug/L	0.90
4-Phenylenediamine	ND	100	ug/L	5.0
Phorate	ND	50	ug/L	2.0
Pronamide	ND	20	ug/L	2.0
Pyrene	ND	10	ug/L	0.80
Safrole	ND	50	ug/L	2.0
1,2,4,5-Tetrachloro-benzene	ND	10	ug/L	2.0
2,3,4,6-Tetrachlorophenol	ND	50	ug/L	2.0
Thionazin	ND	10	ug/L	2.0
o-Toluidine	ND	10	ug/L	2.0
1,2,4-Trichloro-benzene	ND	10	ug/L	0.90
2,4,5-Trichloro-phenol	ND	10	ug/L	1.0
2,4,6-Trichloro-phenol	ND	10	ug/L	0.80
O,O,O-Triethylphosphoro-thioate	ND	50	ug/L	2.0
1,3,5-Trinitrobenzene	ND	50	ug/L	2.0

(Continued on next page)

WASTE MANAGEMENT INC.

Client Sample ID: 4915M

GC/MS Semivolatiles

Lot-Sample #...: D4C250371-001 **Work Order #...:** GCX4M1AC **Matrix.....:** WATER

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	65	(32 - 116)
Phenol-d5	66	(40 - 111)
Nitrobenzene-d5	63	(53 - 107)
2-Fluorobiphenyl	59	(31 - 105)
2,4,6-Tribromophenol	77	(42 - 122)
Terphenyl-d14	79	(21 - 125)

QC DATA ASSOCIATION SUMMARY

D4C250371

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	WATER	SW846 8260B		4098519	4098271
	WATER	SW846 8270C		4086198	4086073

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: D4C250371 **Work Order #...:** GDQKQ1AA **Matrix.....:** WATER
MB Lot-Sample #: D4D070000-519

Prep Date.....: 04/06/04 **Analysis Time..:** 17:13
Analysis Date..: 04/06/04 **Prep Batch #...:** 4098519
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Acetone	ND	34	ug/L	SW846 8260B
Benzene	ND	1.0	ug/L	SW846 8260B
Bromodichloromethane	ND	5.0	ug/L	SW846 8260B
Bromoform	ND	5.0	ug/L	SW846 8260B
Bromomethane	ND	10	ug/L	SW846 8260B
Carbon disulfide	ND	5.0	ug/L	SW846 8260B
Carbon tetrachloride	ND	0.50	ug/L	SW846 8260B
Chlorobenzene	ND	5.0	ug/L	SW846 8260B
Dibromochloromethane	ND	5.0	ug/L	SW846 8260B
Chloroethane	ND	10	ug/L	SW846 8260B
Chloroform	ND	5.0	ug/L	SW846 8260B
Chloromethane	ND	10	ug/L	SW846 8260B
1,1-Dichloroethane	ND	5.0	ug/L	SW846 8260B
1,2-Dichloroethane	ND	5.0	ug/L	SW846 8260B
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260B
1,2-Dichloropropane	ND	5.0	ug/L	SW846 8260B
cis-1,3-Dichloropropene	ND	5.0	ug/L	SW846 8260B
trans-1,3-Dichloropropene	ND	5.0	ug/L	SW846 8260B
Ethylbenzene	ND	5.0	ug/L	SW846 8260B
Trichlorofluoromethane	ND	10	ug/L	SW846 8260B
2-Hexanone	ND	5.0	ug/L	SW846 8260B
Methylene chloride	**0.62 J**	**5.0**	**ug/L**	**SW846 8260B**
4-Methyl-2-pentanone	ND	10	ug/L	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	5.0	ug/L	SW846 8260B
Tetrachloroethene	ND	5.0	ug/L	SW846 8260B
Toluene	ND	1.0	ug/L	SW846 8260B
1,1,1-Trichloroethane	ND	5.0	ug/L	SW846 8260B
1,1,2-Trichloroethane	ND	5.0	ug/L	SW846 8260B
Trichloroethene	ND	5.0	ug/L	SW846 8260B
Vinyl acetate	ND	10	ug/L	SW846 8260B
Vinyl chloride	ND	1.0	ug/L	SW846 8260B
Xylenes (total)	ND	10	ug/L	SW846 8260B
1,2-Dibromoethane (EDB)	ND	1.0	ug/L	SW846 8260B
2-Butanone (MEK)	ND	10	ug/L	SW846 8260B
Acrylonitrile	ND	100	ug/L	SW846 8260B
Bromochloromethane	ND	10	ug/L	SW846 8260B
Dibromomethane	ND	10	ug/L	SW846 8260B
1,2-Dichlorobenzene	ND	10	ug/L	SW846 8260B
1,4-Dichlorobenzene	ND	10	ug/L	SW846 8260B
trans-1,4-Dichloro-2-butene	ND	10	ug/L	SW846 8260B

(Continued on next page)

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: D4C250371 **Work Order #...:** GDQKQ1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Dichlorodifluoromethane	ND	10	ug/L	SW846 8260B
cis-1,2-Dichloroethene	ND	10	ug/L	SW846 8260B
trans-1,2-Dichloroethene	ND	10	ug/L	SW846 8260B
Iodomethane	ND	10	ug/L	SW846 8260B
Styrene	ND	5.0	ug/L	SW846 8260B
1,1,1,2-Tetrachloroethane	ND	5.0	ug/L	SW846 8260B
1,2,3-Trichloropropane	ND	10	ug/L	SW846 8260B
1,2-Dibromo-3-chloropropane (DBCP)	ND	10	ug/L	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	105	(76 - 116)
1,2-Dichloroethane-d4	97	(59 - 129)
4-Bromofluorobenzene	95	(74 - 114)
Toluene-d8	105	(76 - 116)

NOTE(S):

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

J Estimated result. Result is less than RL.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: D4C250371 **Work Order #...:** GDQKQ1AC **Matrix.....:** WATER
LCS Lot-Sample#: D4D070000-519
Prep Date.....: 04/06/04 **Analysis Date..:** 04/06/04
Prep Batch #...: 4098519 **Analysis Time..:** 16:49
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
1,1-Dichloroethene	**96**	**(67 - 125)**	**SW846 8260B**
Benzene	**90**	**(75 - 116)**	**SW846 8260B**
Chlorobenzene	**92**	**(77 - 117)**	**SW846 8260B**
Toluene	**93**	**(74 - 115)**	**SW846 8260B**
Trichloroethene	**93**	**(80 - 123)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	96	(76 - 116)
1,2-Dichloroethane-d4	88	(59 - 129)
4-Bromofluorobenzene	98	(74 - 114)
Toluene-d8	100	(76 - 116)

NOTE(S):

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: D4C250371 **Work Order #...:** GDQKQ1AC **Matrix.....:** WATER
LCS Lot-Sample#: D4D070000-519
Prep Date.....: 04/06/04 **Analysis Date..:** 04/06/04
Prep Batch #...: 4098519 **Analysis Time..:** 16:49
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
1,1-Dichloroethene	**10.0**	**9.62**	**ug/L**	**96**	**SW846 8260B**
Benzene	**10.0**	**9.01**	**ug/L**	**90**	**SW846 8260B**
Chlorobenzene	**10.0**	**9.17**	**ug/L**	**92**	**SW846 8260B**
Toluene	**10.0**	**9.26**	**ug/L**	**93**	**SW846 8260B**
Trichloroethene	**10.0**	**9.33**	**ug/L**	**93**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	96	(76 - 116)
1,2-Dichloroethane-d4	88	(59 - 129)
4-Bromofluorobenzene	98	(74 - 114)
Toluene-d8	100	(76 - 116)

NOTE(S):

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

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: D4C250371 **Work Order #...:** GC2M21AE-MS **Matrix.....:** WATER
MS Lot-Sample #: D4C260338-001 GC2M21AF-MSD
Date Sampled...: 03/24/04 11:40 **Date Received..:** 03/26/04
Prep Date.....: 04/06/04 **Analysis Date..:** 04/06/04
Prep Batch #...: 4098519 **Analysis Time..:** 18:28
Dilution Factor: 4

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	**98**	**(67 - 125)**			**SW846 8260B**
	99	**(67 - 125)**	**0.68**	**(0-20)**	**SW846 8260B**
Benzene	**86**	**(75 - 116)**			**SW846 8260B**
	87	**(75 - 116)**	**0.50**	**(0-20)**	**SW846 8260B**
Chlorobenzene	**93**	**(77 - 117)**			**SW846 8260B**
	95	**(77 - 117)**	**1.5**	**(0-20)**	**SW846 8260B**
Toluene	**98**	**(74 - 115)**			**SW846 8260B**
	93	**(74 - 115)**	**5.7**	**(0-20)**	**SW846 8260B**
Trichloroethene	**99**	**(80 - 123)**			**SW846 8260B**
	97	**(80 - 123)**	**1.4**	**(0-20)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	101	(76 - 116)
	95	(76 - 116)
1,2-Dichloroethane-d4	91	(59 - 129)
	91	(59 - 129)
4-Bromofluorobenzene	102	(74 - 114)
	99	(74 - 114)
Toluene-d8	108	(76 - 116)
	108	(76 - 116)

NOTE(S):

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

Bold print denotes control parameters

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: D4C250371 **Work Order #...:** GC2M21AE-MS **Matrix.....:** WATER
MS Lot-Sample #: D4C260338-001 GC2M21AF-MSD
Date Sampled...: 03/24/04 11:40 **Date Received..:** 03/26/04
Prep Date.....: 04/06/04 **Analysis Date..:** 04/06/04
Prep Batch #...: 4098519 **Analysis Time..:** 18:28
Dilution Factor: 4

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
1,1-Dichloroethene	**ND**	**40.0**	**39.2**	**ug/L**	**98**		**SW846 8260B**
	ND	**40.0**	**39.5**	**ug/L**	**99**	**0.68**	**SW846 8260B**
Benzene	**40**	**40.0**	**73.9**	**ug/L**	**86**		**SW846 8260B**
	40	**40.0**	**74.3**	**ug/L**	**87**	**0.50**	**SW846 8260B**
Chlorobenzene	**ND**	**40.0**	**37.4**	**ug/L**	**93**		**SW846 8260B**
	ND	**40.0**	**37.9**	**ug/L**	**95**	**1.5**	**SW846 8260B**
Toluene	**0.83**	**40.0**	**40.1**	**ug/L**	**98**		**SW846 8260B**
	0.83	**40.0**	**37.9**	**ug/L**	**93**	**5.7**	**SW846 8260B**
Trichloroethene	**ND**	**40.0**	**39.5**	**ug/L**	**99**		**SW846 8260B**
	ND	**40.0**	**39.0**	**ug/L**	**97**	**1.4**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	101	(76 - 116)
	95	(76 - 116)
1,2-Dichloroethane-d4	91	(59 - 129)
	91	(59 - 129)
4-Bromofluorobenzene	102	(74 - 114)
	99	(74 - 114)
Toluene-d8	108	(76 - 116)
	108	(76 - 116)

NOTE(S):

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

Bold print denotes control parameters

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: D4C250371 **Work Order #...:** GC0QH1AA **Matrix.....:** WATER
MB Lot-Sample #: D4C260000-198

Prep Date.....: 03/26/04 **Analysis Time..:** 15:37
Analysis Date..: 04/05/04 **Prep Batch #...:** 4086198
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Acenaphthene	ND	10	ug/L	SW846 8270C
Acenaphthylene	ND	10	ug/L	SW846 8270C
Acetophenone	ND	10	ug/L	SW846 8270C
2-Acetylaminofluorene	ND	100	ug/L	SW846 8270C
4-Aminobiphenyl	ND	50	ug/L	SW846 8270C
Anthracene	ND	10	ug/L	SW846 8270C
Benzo(a)anthracene	ND	10	ug/L	SW846 8270C
Benzo(b)fluoranthene	ND	10	ug/L	SW846 8270C
Benzo(k)fluoranthene	ND	10	ug/L	SW846 8270C
Benzo(ghi)perylene	ND	10	ug/L	SW846 8270C
Benzo(a)pyrene	ND	10	ug/L	SW846 8270C
Benzyl alcohol	ND	10	ug/L	SW846 8270C
bis(2-Chloroethoxy) methane	ND	10	ug/L	SW846 8270C
bis(2-Chloroethyl)-ether	ND	10	ug/L	SW846 8270C
bis(2-Ethylhexyl) phthalate	ND	10	ug/L	SW846 8270C
4-Bromophenyl phenyl ether	ND	10	ug/L	SW846 8270C
Butyl benzyl phthalate	ND	10	ug/L	SW846 8270C
4-Chloroaniline	ND	10	ug/L	SW846 8270C
Chlorobenzilate	ND	10	ug/L	SW846 8270C
4-Chloro-3-methylphenol	ND	10	ug/L	SW846 8270C
2-Chloronaphthalene	ND	10	ug/L	SW846 8270C
2-Chlorophenol	ND	10	ug/L	SW846 8270C
4-Chlorophenyl phenyl ether	ND	10	ug/L	SW846 8270C
Chrysene	ND	10	ug/L	SW846 8270C
Diallate	ND	20	ug/L	SW846 8270C
Dibenz(a,h)anthracene	ND	10	ug/L	SW846 8270C
Dibenzofuran	ND	10	ug/L	SW846 8270C
Di-n-butyl phthalate	ND	10	ug/L	SW846 8270C
3,3'-Dichlorobenzidine	ND	50	ug/L	SW846 8270C
2,4-Dichlorophenol	ND	10	ug/L	SW846 8270C
2,6-Dichlorophenol	ND	10	ug/L	SW846 8270C
Diethyl phthalate	ND	10	ug/L	SW846 8270C
Dimethoate	ND	20	ug/L	SW846 8270C
4-Dimethylaminoazobenzene	ND	20	ug/L	SW846 8270C
7,12-Dimethylbenz(a)-anthracene	ND	20	ug/L	SW846 8270C

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METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: D4C250371 **Work Order #...:** GC0QH1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
3,3'-Dimethylbenzidine	ND	20	ug/L	SW846 8270C
2,4-Dimethylphenol	ND	10	ug/L	SW846 8270C
Dimethyl phthalate	ND	10	ug/L	SW846 8270C
1,3-Dinitrobenzene	ND	10	ug/L	SW846 8270C
4,6-Dinitro-2-methylphenol	ND	50	ug/L	SW846 8270C
2,4-Dinitrophenol	ND	50	ug/L	SW846 8270C
2,4-Dinitrotoluene	ND	10	ug/L	SW846 8270C
2,6-Dinitrotoluene	ND	10	ug/L	SW846 8270C
Dinoseb	ND	10	ug/L	SW846 8270C
Di-n-octyl phthalate	ND	10	ug/L	SW846 8270C
Diphenylamine	ND	10	ug/L	SW846 8270C
Disulfoton	ND	50	ug/L	SW846 8270C
Ethyl methanesulfonate	ND	10	ug/L	SW846 8270C
Famphur	ND	200	ug/L	SW846 8270C
Fluoranthene	ND	10	ug/L	SW846 8270C
Fluorene	ND	10	ug/L	SW846 8270C
Hexachlorobenzene	ND	10	ug/L	SW846 8270C
Hexachlorobutadiene	ND	10	ug/L	SW846 8270C
Hexachlorocyclopentadiene	ND	50	ug/L	SW846 8270C
Hexachloroethane	ND	10	ug/L	SW846 8270C
Hexachloropropene	ND	100	ug/L	SW846 8270C
Indeno(1,2,3-cd)pyrene	ND	10	ug/L	SW846 8270C
Isodrin	ND	10	ug/L	SW846 8270C
Isophorone	ND	10	ug/L	SW846 8270C
Isosafrole	ND	20	ug/L	SW846 8270C
Methapyrilene	ND	50	ug/L	SW846 8270C
3-Methylcholanthrene	ND	20	ug/L	SW846 8270C
Methyl methanesulfonate	ND	10	ug/L	SW846 8270C
2-Methylnaphthalene	ND	10	ug/L	SW846 8270C
Methyl parathion	ND	50	ug/L	SW846 8270C
2-Methylphenol	ND	10	ug/L	SW846 8270C
3-Methylphenol & 4-Methylphenol	ND	10	ug/L	SW846 8270C
Naphthalene	ND	10	ug/L	SW846 8270C
1,4-Naphthoquinone	ND	50	ug/L	SW846 8270C
1-Naphthylamine	ND	10	ug/L	SW846 8270C
2-Naphthylamine	ND	10	ug/L	SW846 8270C
2-Nitroaniline	ND	50	ug/L	SW846 8270C
3-Nitroaniline	ND	50	ug/L	SW846 8270C
4-Nitroaniline	ND	50	ug/L	SW846 8270C
Nitrobenzene	ND	10	ug/L	SW846 8270C
2-Nitrophenol	ND	10	ug/L	SW846 8270C
4-Nitrophenol	ND	50	ug/L	SW846 8270C

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METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: D4C250371 **Work Order #...:** GC0QH1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
N-Nitrosodi-n-butylamine	ND	10	ug/L	SW846 8270C
N-Nitrosodiethylamine	ND	10	ug/L	SW846 8270C
N-Nitrosodimethylamine	ND	10	ug/L	SW846 8270C
N-Nitrosodiphenylamine	ND	10	ug/L	SW846 8270C
N-Nitrosodi-n-propyl-amine	ND	10	ug/L	SW846 8270C
N-Nitrosomethylethylamine	ND	10	ug/L	SW846 8270C
N-Nitrosopiperidine	ND	10	ug/L	SW846 8270C
N-Nitrosopyrrolidine	ND	10	ug/L	SW846 8270C
5-Nitro-o-toluidine	ND	20	ug/L	SW846 8270C
2,2'-oxybis(1-Chloropropa	ND	10	ug/L	SW846 8270C
Parathion	ND	50	ug/L	SW846 8270C
Pentachlorobenzene	ND	10	ug/L	SW846 8270C
Pentachloronitrobenzene	ND	50	ug/L	SW846 8270C
Pentachlorophenol	ND	50	ug/L	SW846 8270C
Phenacetin	ND	20	ug/L	SW846 8270C
Phenanthrene	ND	10	ug/L	SW846 8270C
Phenol	ND	10	ug/L	SW846 8270C
4-Phenylenediamine	ND	100	ug/L	SW846 8270C
Phorate	ND	50	ug/L	SW846 8270C
Pronamide	ND	20	ug/L	SW846 8270C
Pyrene	ND	10	ug/L	SW846 8270C
Safrole	ND	50	ug/L	SW846 8270C
1,2,4,5-Tetrachloro-benzene	ND	10	ug/L	SW846 8270C
2,3,4,6-Tetrachlorophenol	ND	50	ug/L	SW846 8270C
Thionazin	ND	10	ug/L	SW846 8270C
o-Toluidine	ND	10	ug/L	SW846 8270C
1,2,4-Trichloro-benzene	ND	10	ug/L	SW846 8270C
2,4,5-Trichloro-phenol	ND	10	ug/L	SW846 8270C
2,4,6-Trichloro-phenol	ND	10	ug/L	SW846 8270C
O,O,O-Triethylphosphoro-thioate	ND	50	ug/L	SW846 8270C
1,3,5-Trinitrobenzene	ND	50	ug/L	SW846 8270C

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	71	(32 - 116)
Phenol-d5	73	(40 - 111)
Nitrobenzene-d5	70	(53 - 107)
2-Fluorobiphenyl	55	(31 - 105)
2,4,6-Tribromophenol	72	(42 - 122)

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METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: D4C250371 **Work Order #...:** GC0QH1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Terphenyl-d14	84	(21 - 125)		

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: D4C250371 **Work Order #...:** GC0QH1AC **Matrix.....:** WATER
LCS Lot-Sample#: D4C260000-198
Prep Date.....: 03/26/04 **Analysis Date..:** 04/06/04
Prep Batch #...: 4086198 **Analysis Time..:** 19:32
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Acenaphthene	**77**	**(55 - 97)**	**SW846 8270C**
1,4-Dichlorobenzene	**60**	**(31 - 98)**	**SW846 8270C**
4-Chloro-3-methylphenol	**82**	**(59 - 106)**	**SW846 8270C**
2-Chlorophenol	**79**	**(59 - 105)**	**SW846 8270C**
2,4-Dinitrotoluene	**86**	**(57 - 113)**	**SW846 8270C**
4-Nitrophenol	**75**	**(43 - 118)**	**SW846 8270C**
N-Nitrosodi-n-propyl-amine	**66**	**(51 - 99)**	**SW846 8270C**
Pentachlorophenol	**103**	**(48 - 114)**	**SW846 8270C**
Phenol	**74**	**(56 - 106)**	**SW846 8270C**
Pyrene	**73**	**(51 - 103)**	**SW846 8270C**
1,2,4-Trichloro-benzene	**69**	**(36 - 99)**	**SW846 8270C**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	69	(54 - 105)
Phenol-d5	70	(55 - 106)
Nitrobenzene-d5	66	(58 - 108)
2-Fluorobiphenyl	56	(53 - 97)
2,4,6-Tribromophenol	92	(62 - 113)
Terphenyl-d14	75	(55 - 109)

NOTE(S):

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: D4C250371 **Work Order #...:** GC0QH1AC **Matrix.....:** WATER
LCS Lot-Sample#: D4C260000-198
Prep Date.....: 03/26/04 **Analysis Date..:** 04/06/04
Prep Batch #...: 4086198 **Analysis Time..:** 19:32
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
Acenaphthene	**100**	**76.8**	**ug/L**	**77**	**SW846 8270C**
1,4-Dichlorobenzene	**100**	**59.8**	**ug/L**	**60**	**SW846 8270C**
4-Chloro-3-methylphenol	**150**	**123**	**ug/L**	**82**	**SW846 8270C**
2-Chlorophenol	**150**	**119**	**ug/L**	**79**	**SW846 8270C**
2,4-Dinitrotoluene	**100**	**86.1**	**ug/L**	**86**	**SW846 8270C**
4-Nitrophenol	**150**	**113**	**ug/L**	**75**	**SW846 8270C**
N-Nitrosodi-n-propyl-amine	**100**	**66.3**	**ug/L**	**66**	**SW846 8270C**
Pentachlorophenol	**150**	**154**	**ug/L**	**103**	**SW846 8270C**
Phenol	**150**	**111**	**ug/L**	**74**	**SW846 8270C**
Pyrene	**100**	**73.1**	**ug/L**	**73**	**SW846 8270C**
1,2,4-Trichloro-benzene	**100**	**69.3**	**ug/L**	**69**	**SW846 8270C**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	69	(54 - 105)
Phenol-d5	70	(55 - 106)
Nitrobenzene-d5	66	(58 - 108)
2-Fluorobiphenyl	56	(53 - 97)
2,4,6-Tribromophenol	92	(62 - 113)
Terphenyl-d14	75	(55 - 109)

NOTE(S):

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

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: D4C250371 **Work Order #...:** GC0FQ1AN-MS **Matrix.....:** WATER
MS Lot-Sample #: D4C250401-002 GC0FQ1AP-MSD
Date Sampled...: 03/25/04 11:15 **Date Received..:** 03/25/04
Prep Date.....: 03/26/04 **Analysis Date..:** 04/06/04
Prep Batch #...: 4086198 **Analysis Time..:** 19:47
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Acenaphthene	**60**	**(50 - 96)**			**SW846 8270C**
	79	**(50 - 96)**	**24**	**(0-40)**	**SW846 8270C**
1,4-Dichlorobenzene	**49**	**(41 - 92)**			**SW846 8270C**
	62	**(41 - 92)**	**20**	**(0-30)**	**SW846 8270C**
4-Chloro-3-methylphenol	**66**	**(49 - 102)**			**SW846 8270C**
	87	**(49 - 102)**	**23**	**(0-40)**	**SW846 8270C**
2-Chlorophenol	**56**	**(49 - 98)**			**SW846 8270C**
	82	**(49 - 98)**	**34**	**(0-40)**	**SW846 8270C**
2,4-Dinitrotoluene	**66**	**(51 - 106)**			**SW846 8270C**
	85	**(51 - 106)**	**21**	**(0-40)**	**SW846 8270C**
4-Nitrophenol	**50**	**(34 - 116)**			**SW846 8270C**
	76	**(34 - 116)**	**38**	**(0-40)**	**SW846 8270C**
N-Nitrosodi-n-propyl-amine	**50**	**(46 - 101)**			**SW846 8270C**
	69	**(46 - 101)**	**27**	**(0-40)**	**SW846 8270C**
Pentachlorophenol	**73**	**(34 - 116)**			**SW846 8270C**
	90	**(34 - 116)**	**16**	**(0-40)**	**SW846 8270C**
Phenol	**54**	**(46 - 98)**			**SW846 8270C**
	81	**(46 - 98)**	**36**	**(0-40)**	**SW846 8270C**
Pyrene	**62**	**(39 - 103)**			**SW846 8270C**
	77	**(39 - 103)**	**17**	**(0-40)**	**SW846 8270C**
1,2,4-Trichloro-benzene	**53**	**(46 - 92)**			**SW846 8270C**
	69	**(46 - 92)**	**24**	**(0-40)**	**SW846 8270C**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	50	(32 - 116)
	72	(32 - 116)
Phenol-d5	53	(40 - 111)
	75	(40 - 111)
Nitrobenzene-d5	53	(53 - 107)
	75	(53 - 107)
2-Fluorobiphenyl	48	(31 - 105)
	67	(31 - 105)
2,4,6-Tribromophenol	68	(42 - 122)
	85	(42 - 122)

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MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: D4C250371 **Work Order #...:** GC0FQ1AN-MS **Matrix.....:** WATER
MS Lot-Sample #: D4C250401-002 GC0FQ1AP-MSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Terphenyl-d14	67	(21 - 125)
	81	(21 - 125)

NOTE(S):

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

Bold print denotes control parameters

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: D4C250371 **Work Order #...:** GC0FQ1AN-MS **Matrix.....:** WATER
MS Lot-Sample #: D4C250401-002 GC0FQ1AP-MSD
Date Sampled...: 03/25/04 11:15 **Date Received..:** 03/25/04
Prep Date.....: 03/26/04 **Analysis Date..:** 04/06/04
Prep Batch #...: 4086198 **Analysis Time..:** 19:47
Dilution Factor: 1

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Acenaphthene	**ND**	**114**	**68.2**	**ug/L**	**60**		**SW846 8270C**
	ND	**109**	**86.6**	**ug/L**	**79**	**24**	**SW846 8270C**
1,4-Dichlorobenzene	**ND**	**114**	**55.7**	**ug/L**	**49**		**SW846 8270C**
	ND	**109**	**68.2**	**ug/L**	**62**	**20**	**SW846 8270C**
4-Chloro-3-methylphenol	**ND**	**171**	**113**	**ug/L**	**66**		**SW846 8270C**
	ND	**164**	**142**	**ug/L**	**87**	**23**	**SW846 8270C**
2-Chlorophenol	**ND**	**171**	**96.1**	**ug/L**	**56**		**SW846 8270C**
	ND	**164**	**135**	**ug/L**	**82**	**34**	**SW846 8270C**
2,4-Dinitrotoluene	**ND**	**114**	**75.0**	**ug/L**	**66**		**SW846 8270C**
	ND	**109**	**92.8**	**ug/L**	**85**	**21**	**SW846 8270C**
4-Nitrophenol	**ND**	**171**	**85.5**	**ug/L**	**50**		**SW846 8270C**
	ND	**164**	**125**	**ug/L**	**76**	**38**	**SW846 8270C**
N-Nitrosodi-n-propyl-amine	**ND**	**114**	**57.1**	**ug/L**	**50**		**SW846 8270C**
	ND	**109**	**75.3**	**ug/L**	**69**	**27**	**SW846 8270C**
Pentachlorophenol	**ND**	**171**	**125**	**ug/L**	**73**		**SW846 8270C**
	ND	**164**	**147**	**ug/L**	**90**	**16**	**SW846 8270C**
Phenol	**ND**	**171**	**91.9**	**ug/L**	**54**		**SW846 8270C**
	ND	**164**	**133**	**ug/L**	**81**	**36**	**SW846 8270C**
Pyrene	**ND**	**114**	**71.0**	**ug/L**	**62**		**SW846 8270C**
	ND	**109**	**84.1**	**ug/L**	**77**	**17**	**SW846 8270C**
1,2,4-Trichloro-benzene	**ND**	**114**	**59.9**	**ug/L**	**53**		**SW846 8270C**
	ND	**109**	**75.9**	**ug/L**	**69**	**24**	**SW846 8270C**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	50	(32 - 116)
	72	(32 - 116)
Phenol-d5	53	(40 - 111)
	75	(40 - 111)
Nitrobenzene-d5	53	(53 - 107)
	75	(53 - 107)
2-Fluorobiphenyl	48	(31 - 105)
	67	(31 - 105)
2,4,6-Tribromophenol	68	(42 - 122)
	85	(42 - 122)

(Continued on next page)

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: D4C250371 **Work Order #...:** GC0FQ1AN-MS **Matrix.....:** WATER
MS Lot-Sample #: D4C250401-002 GC0FQ1AP-MSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Terphenyl-d14	67	(21 - 125)
	81	(21 - 125)

NOTE(S):

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

Bold print denotes control parameters

[redacted]

Chain of Custody Record

STL Denver
4955 Yarrow Street
Arvada, CO 80002

4.3° QB
3/25/04

SEVERN TRENT SERVICES

Severn Trent Laboratories, Inc.

STL-4124 (1200) DEN (0900)

Client: SCS ENG - c/o WASTE MGMT	Project Manager: TINA SCHMIBSING	Date: 3/24/04	Chain of Custody Number: 091584
Address: 37M LONG BEACH BLVD 9TH	Telephone Number (Area Code)/Fax Number: 800 326-9544	Lab Number	Page 1 of 1
City: LONG BEACH; State: CA; Zip Code: 90807	Site Contact: BRUCE M	Lab Contact: BETSY F	
Project Name and Location (State): BRADLEY LF	Carrier/Waybill Number		
Contract/Purchase Order/Quote No.: 234-25662-C			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed	Soil		Containers & Preservatives: Unpres.	H2SO4	HNOS	HCl	NaOH	ZnAc/NaOH		Analysis: 8270C Full List.	8260B Full List									Special Instructions/ Conditions of Receipt
4915 M	3/24/04	1540		X				2	-	-	3	-	-		X	X									

Possible Hazard Identification: [X] Non-Hazard [ ] Flammable [ ] Skin Irritant [ ] Poison B [ ] Unknown

Sample Disposal: [ ] Return To Client [ ] Disposal By Lab [ ] Archive For _____ Months (A fee may be assessed if samples are retained longer than 3 months)

Turn Around Time Required: [ ] 24 Hours [ ] 48 Hours [ ] 7 Days [ ] 14 Days [ ] 21 Days [ ] Other_____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By	3/24/04	1630	1. Received By	3/25/04	0900
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments

DISTRIBUTION: WHITE - Stays with the Sample; CANARY - Returned to Client with Report; PINK - Field Copy

FIELD INFORMATION FORM

WASTE MANAGEMENT

Site Name: BRADLEY LF

Site No.:

Sample Point: 4915 M (Sample ID)

This Waste Management Field Information Form is Required
This form is to be completed, in addition to any State Forms. The Field Form is submitted along with the Chain of Custody Forms that accompany the sample containers (i.e. with the cooler that is returned to the laboratory).

Laboratory Use Only/Lab ID: DMC25037-001

PURGE INFO

PURGE DATE (MM DD YY)	PURGE TIME (2400 Hr Clock)	ELAPSED HRS (hrs:min)	WATER VOL IN CASING (Gallons)	ACTUAL VOL PURGED (Gallons)	WELL VOLs PURGED
032404	1450	-:55	90	20	

Note: For Passive Sampling, replace "Water Vol in Casing" and "Well Vols Purged" w/ Water Vol in Tubing/Flow Cell and Tubing/Flow Cell Vols Purged. Mark changes, record field data, below.

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment ... Dedicated: (Y) or N

Purging Device: C
Sampling Device: C
A- Submersible Pump, B-Peristaltic Pump, C-QED Bladder Pump, D-Bailer, E-Piston Pump, F-Dipper/Bottle
X-Other:

Filter Device: Y or (N) 0.45 µ or ____ µ (circle or fill in)
Filter Type: —
A-In-line Disposable, B-Pressure, C-Vacuum, X-Other
Sample Tube Type: A
A-Teflon, B-Stainless Steel, C-PVC, D-Polypropylene, X-Other:

WELL DATA

Well Elevation (at TOC): 8982.12 (ft/msl)
Depth to Water (DTW) (from TOC): 263.— (ft)
Groundwater Elevation (site datum, from TOC): (ft/msl)
Total Well Depth (from TOC): 277.— (ft)
Stick Up (from ground elevation): (ft)
Casing ID: 4.0 (in)
Casing Material: PVC

Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data, unless required by Site/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

STABILIZATION DATA (Optional)

Sample Time (2400 Hr Clock)	Rate/Unit	pH (std)	Conductance (SC/EC) (µmhos/cm @ 25 °C)	Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
1505	0.5 1st	8.40 1st	.707 1st	20.7	00	3.1	—	—
1515	1.0 2nd	7.64 2nd	.789 2nd	19.9	00	3.2	—	—
1525	1.5 3rd	7.63 3rd	.789 3rd	19.8	00	3.0	—	—
1535	2.0 4th	7.61 4th	.788 4th	19.8	00	3.1	—	—
Suggested range for 3 consec. readings or note Permit/State requirements:		+/- 0.2	+/- 3%	–	--	+/- 10%	+/- 25 mV	Stabilize

Stabilization Data Fields are Optional *(i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State/Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form.*

FIELD DATA

SAMPLE DATE (MM DD YY)	pH (std)	CONDUCTANCE (umhos/cm @ 25°C)	TEMP. (°C)	TURBIDITY (ntu)	DO (mg/L-ppm)	eH/ORP (mV)	Other: Units gal.
032404	7.61	.788	19.8	00	3.1	—	—

Final Field Readings are required *(i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site.*

Sample Appearance: clear Odor: None Color: Clear Other:

Weather Conditions (required daily, or as conditions change): Direction/Speed: Outlook: Precipitation: Y or (N)

Specific Comments (including purge/well volume calculations if required):

FIELD COMMENTS

* Samples collected after all readings had stabilized @ 2gal.

* Samples collected @ 1540 HRS.

I certify that sampling procedures were in accordance with applicable EPA, State, and WM protocols (if more than one sampler, all should sign):

Date	Name	Signature	Company
03/24/04	Ernesto Martinez	[signature]	SCS-XS.

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample. YELLOW - Returned to Client. PINK - Field Copy

STL-8029WM R 12/00

4/13/04

SEVERN TRENT STL

April 7, 2004

STL LOT NUMBER: **E4C250226**
PO/CONTRACT: **LB1504**

Mr. Ken Pierce
SCS Field Services
3711 Long Beach Blvd
Suite 806
Long Beach, CA 90807

Dear Mr. Pierce:

This report contains the analytical results for the sample received under chain of custody by STL Los Angeles on March 24, 2004. This sample is associated with your SITE 234 BRADLEY LANDFILL (Headspace sample) project.

STL Los Angeles certifies that the test results provided in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in the case narrative. The case narrative is an integral part of the report. NELAP Certification Number for STL Los Angeles is 01118CA / E87652.

Historical control limits for the LCS are used to define the estimate of uncertainty for a method. All applicable quality control procedures met method-specified acceptance criteria, except as noted in the case narrative below. Any matrix related anomaly is footnoted within the report.

Preliminary results were sent via email to the following addresses on March 31, 2004: kpierce@scsengineers.com, bmatlock@wm.com, and kschmiesing@scsengineers.com.

This report shall not be reproduced except in full, without the written approval of the laboratory.

This report contains 000017 pages.

Severn Trent Laboratories, Inc.
STL Los Angeles • 1721 South Grand Avenue, Santa Ana, CA 92705-4808
Tel 714 258 8610 Fax 714 258 0921 • www.stlinc.com

CASE NARRATIVE

The EPA TO15 sample was received in a Tedlar bag. As per NELAC, Tedlar bags are not appropriate sample collection media for this test. EPA TO15 describes the use of SUMMA canisters for sampling and analysis. Use of Tedlar sample bags constitutes a modification to the method.

If you have any questions, please feel free to call me at (714) 258-8610 extension 325.

Sincerely,

Maria O. Friedman
Project Manager

cc: Mr. Bruce Matlock
Waste Management Disp. Services
9081 Tujunga Ave.
Sun Valley, CA 91352

Project File

B4C250226

[redacted]

'hain of 'ustody Record

.-4124 (0901)

SEVERN TRENT **STL**

Severn Trent Laboratories, Inc.

ient: NASTE MANAGEMENT INC	Project Manager: TINA SCHMIESING	Date: 3/24/04	Chain of Custody Number: 106163
ldress: 9081 TUJONGA AVE	Telephone Number (Area Code)/Fax Number: 1800 326-9544	Lab Number: E4C25022	Page 1 of 1
ty: SUN VALLEY; State: CA; Zip Code: 91352	Site Contact: BRUCE M.	Lab Contact: MARIA	
oject Name and Location (State): BRADLEY LF.	Carrier/Waybill Number:		
ntract/Purchase Order/Quote No.			

Sample I.D. No. and Description (ontainers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	[redacted]	Analysis (Attach list if more space is needed): TO-15 FULL LIST	Special Instructions/ Conditions of Receipt
G.W. 4915 M HEADSPACE	3/24/04	1232	X											X	

ssible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown

Sample Disposal: ☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

rn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other_____

QC Requirements (Specify):

Relinquished By	Date	Time	Received By	Date	Time
[signature]	3/24/04	1330	1. X P Bautista	3/24/04	1330
P Bautista	3-24-04	1900	2. [signature]	03-24-04	1900
			3.		

omments

STRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

3

SEVERN TRENT STL

Analytical Report

ANALYTICAL REPORT

BRADLEY LANDFILL

Lot #: E4C250226

Bruce Matlock

Waste Management Disp. Serv.

SEVERN TRENT LABORATORIES, INC.

Maria Friedman
Project Manager

March 31, 2004

EXECUTIVE SUMMARY - Detection Highlights

E4C250226

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
G.W. 4915M HEADSPACE 03/24/04 12:32	**001**			
Dichlorodifluoromethane	1.2	1.0	ppb(v/v)	EPA-2 TO-15
1,1-Dichloroethene	1.3	1.0	ppb(v/v)	EPA-2 TO-15
1,1,2-Trichloro-1,2,2-trifluoroethane	2.0	2.0	ppb(v/v)	EPA-2 TO-15
Acetone	20	4.0	ppb(v/v)	EPA-2 TO-15
Methylene chloride	5.1	1.0	ppb(v/v)	EPA-2 TO-15
1,1,1-Trichloroethane	1.3	1.0	ppb(v/v)	EPA-2 TO-15
Benzene	2.9	1.0	ppb(v/v)	EPA-2 TO-15
Trichloroethene	56	1.0	ppb(v/v)	EPA-2 TO-15
Toluene	130	1.5	ppb(v/v)	EPA-2 TO-15
Tetrachloroethene	2.0	1.0	ppb(v/v)	EPA-2 TO-15
Ethylbenzene	2.5	1.0	ppb(v/v)	EPA-2 TO-15
m-Xylene & p-Xylene	9.2	2.5	ppb(v/v)	EPA-2 TO-15
o-Xylene	2.8	1.0	ppb(v/v)	EPA-2 TO-15
Styrene	3.0	1.0	ppb(v/v)	EPA-2 TO-15

ANALYTICAL METHODS SUMMARY

E4C250226

PARAMETER	ANALYTICAL METHOD
Volatile Organics by TO15	EPA-2 TO-15

References:

EPA-2 "Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air", EPA-625/R-96/010b, January 1999.

SAMPLE SUMMARY

E4C250226

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
GCWP9	001	G.W. 4915M HEADSPACE	03/24/04	12:32

NOTE(S):

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

SCS FIELD SERVICES

Client Sample ID: G.W. 4915M HEADSPACE

GC/MS Volatiles

Lot-Sample #...: E4C250226-001 **Work Order #...:** GCWP91AC **Matrix.....:** AIR
Date Sampled...: 03/24/04 12:32 **Date Received..:** 03/24/04
Prep Date.....: 03/26/04 **Analysis Date..:** 03/26/04
Prep Batch #...: 4090614 **Analysis Time..:** 11:01
Dilution Factor: 5
Analyst ID.....: 341569 **Instrument ID..:** MSD
Method.....: EPA-2 TO-15

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Dichlorodifluoromethane	**1.2**	**1.0**	**ppb(v/v)**
Chloromethane	ND	2.0	ppb(v/v)
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	1.0	ppb(v/v)
Vinyl chloride	ND	1.0	ppb(v/v)
Bromomethane	ND	1.0	ppb(v/v)
Chloroethane	ND	2.0	ppb(v/v)
Trichlorofluoromethane	ND	2.0	ppb(v/v)
1,1-Dichloroethene	**1.3**	**1.0**	**ppb(v/v)**
Carbon disulfide	ND	5.0	ppb(v/v)
1,1,2-Trichloro-1,2,2-trifluoroethane	**2.0**	**2.0**	**ppb(v/v)**
Acetone	**20**	**4.0**	**ppb(v/v)**
Methylene chloride	**5.1**	**1.0**	**ppb(v/v)**
trans-1,2-Dichloroethene	ND	1.0	ppb(v/v)
1,1-Dichloroethane	ND	1.0	ppb(v/v)
Vinyl acetate	ND	5.0	ppb(v/v)
cis-1,2-Dichloroethene	ND	1.0	ppb(v/v)
2-Butanone (MEK)	ND	5.0	ppb(v/v)
Chloroform	ND	1.0	ppb(v/v)
1,1,1-Trichloroethane	**1.3**	**1.0**	**ppb(v/v)**
Carbon tetrachloride	ND	1.0	ppb(v/v)
Benzene	**2.9**	**1.0**	**ppb(v/v)**
1,2-Dichloroethane	ND	1.0	ppb(v/v)
Trichloroethene	**56**	**1.0**	**ppb(v/v)**
1,2-Dichloropropane	ND	1.0	ppb(v/v)
Bromodichloromethane	ND	1.0	ppb(v/v)
cis-1,3-Dichloropropene	ND	1.0	ppb(v/v)
4-Methyl-2-pentanone (MIBK)	ND	2.0	ppb(v/v)
Toluene	**130**	**1.5**	**ppb(v/v)**
trans-1,3-Dichloropropene	ND	1.0	ppb(v/v)
1,1,2-Trichloroethane	ND	1.0	ppb(v/v)
Tetrachloroethene	**2.0**	**1.0**	**ppb(v/v)**
2-Hexanone	ND	2.0	ppb(v/v)
Dibromochloromethane	ND	1.0	ppb(v/v)
1,2-Dibromoethane (EDB)	ND	1.0	ppb(v/v)

(Continued on next page)

SCS FIELD SERVICES

Client Sample ID: G.W. 4915M HEADSPACE

GC/MS Volatiles

Lot-Sample #...: E4C250226-001 **Work Order #...:** GCWP91AC **Matrix.....:** AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Chlorobenzene	ND	1.0	ppb(v/v)
Ethylbenzene	**2.5**	**1.0**	**ppb(v/v)**
m-Xylene & p-Xylene	**9.2**	**2.5**	**ppb(v/v)**
o-Xylene	**2.8**	**1.0**	**ppb(v/v)**
Styrene	**3.0**	**1.0**	**ppb(v/v)**
Bromoform	ND	1.0	ppb(v/v)
1,1,2,2-Tetrachloroethane	ND	1.0	ppb(v/v)
Benzyl chloride	ND	2.0	ppb(v/v)
4-Ethyltoluene	ND	2.0	ppb(v/v)
1,3,5-Trimethylbenzene	ND	2.0	ppb(v/v)
1,2,4-Trimethylbenzene	ND	2.0	ppb(v/v)
1,3-Dichlorobenzene	ND	1.0	ppb(v/v)
1,4-Dichlorobenzene	ND	1.0	ppb(v/v)
1,2-Dichlorobenzene	ND	1.0	ppb(v/v)
1,2,4-Trichloro-benzene	ND	4.0	ppb(v/v)
Hexachlorobutadiene	ND	2.0	ppb(v/v)

SEVERN TRENT STL

QA/QC

QC DATA ASSOCIATION SUMMARY

E4C250226

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	AIR	EPA-2 TO-15		4090614	

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: E4C250226 **Work Order #...:** GC7151AA **Matrix.....:** AIR
MB Lot-Sample #: M4C300000-614

Prep Date.....: 03/25/04 **Analysis Time..:** 21:17
Analysis Date..: 03/25/04 **Prep Batch #...:** 4090614 **Instrument ID..:** MSD
Dilution Factor: 1

Analyst ID.....: 341569

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Dichlorodifluoromethane	ND	0.20	ppb(v/v)	EPA-2 TO-15
Chloromethane	ND	0.40	ppb(v/v)	EPA-2 TO-15
1,2-Dichloro-1,1,2,2-tetrafluoroethane	ND	0.20	ppb(v/v)	EPA-2 TO-15
Vinyl chloride	ND	0.20	ppb(v/v)	EPA-2 TO-15
Bromomethane	ND	0.20	ppb(v/v)	EPA-2 TO-15
Chloroethane	ND	0.40	ppb(v/v)	EPA-2 TO-15
Trichlorofluoromethane	ND	0.40	ppb(v/v)	EPA-2 TO-15
1,1-Dichloroethene	ND	0.20	ppb(v/v)	EPA-2 TO-15
Carbon disulfide	ND	1.0	ppb(v/v)	EPA-2 TO-15
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	0.40	ppb(v/v)	EPA-2 TO-15
Acetone	ND	0.80	ppb(v/v)	EPA-2 TO-15
Methylene chloride	ND	0.20	ppb(v/v)	EPA-2 TO-15
trans-1,2-Dichloroethene	ND	0.20	ppb(v/v)	EPA-2 TO-15
1,1-Dichloroethane	ND	0.20	ppb(v/v)	EPA-2 TO-15
Vinyl acetate	ND	1.0	ppb(v/v)	EPA-2 TO-15
cis-1,2-Dichloroethene	ND	0.20	ppb(v/v)	EPA-2 TO-15
2-Butanone (MEK)	ND	1.0	ppb(v/v)	EPA-2 TO-15
Chloroform	ND	0.20	ppb(v/v)	EPA-2 TO-15
1,1,1-Trichloroethane	ND	0.20	ppb(v/v)	EPA-2 TO-15
Carbon tetrachloride	ND	0.20	ppb(v/v)	EPA-2 TO-15
Benzene	ND	0.20	ppb(v/v)	EPA-2 TO-15
1,2-Dichloroethane	ND	0.20	ppb(v/v)	EPA-2 TO-15
Trichloroethene	ND	0.20	ppb(v/v)	EPA-2 TO-15
1,2-Dichloropropane	ND	0.20	ppb(v/v)	EPA-2 TO-15
Bromodichloromethane	ND	0.20	ppb(v/v)	EPA-2 TO-15
cis-1,3-Dichloropropene	ND	0.20	ppb(v/v)	EPA-2 TO-15
4-Methyl-2-pentanone (MIBK)	ND	0.40	ppb(v/v)	EPA-2 TO-15
Toluene	ND	0.30	ppb(v/v)	EPA-2 TO-15
trans-1,3-Dichloropropene	ND	0.20	ppb(v/v)	EPA-2 TO-15
1,1,2-Trichloroethane	ND	0.20	ppb(v/v)	EPA-2 TO-15
Tetrachloroethene	ND	0.20	ppb(v/v)	EPA-2 TO-15
2-Hexanone	ND	0.40	ppb(v/v)	EPA-2 TO-15
Dibromochloromethane	ND	0.20	ppb(v/v)	EPA-2 TO-15
1,2-Dibromoethane (EDB)	ND	0.20	ppb(v/v)	EPA-2 TO-15
Chlorobenzene	ND	0.20	ppb(v/v)	EPA-2 TO-15
Ethylbenzene	ND	0.20	ppb(v/v)	EPA-2 TO-15
m-Xylene & p-Xylene	ND	0.50	ppb(v/v)	EPA-2 TO-15

(Continued on next page)

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: E4C250226 **Work Order #...:** GC7151AA **Matrix.....:** AIR

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
o-Xylene	ND	0.20	ppb(v/v)	EPA-2 TO-15
Styrene	ND	0.20	ppb(v/v)	EPA-2 TO-15
Bromoform	ND	0.20	ppb(v/v)	EPA-2 TO-15
1,1,2,2-Tetrachloroethane	ND	0.20	ppb(v/v)	EPA-2 TO-15
Benzyl chloride	ND	0.40	ppb(v/v)	EPA-2 TO-15
4-Ethyltoluene	ND	0.40	ppb(v/v)	EPA-2 TO-15
1,3,5-Trimethylbenzene	ND	0.40	ppb(v/v)	EPA-2 TO-15
1,2,4-Trimethylbenzene	ND	0.40	ppb(v/v)	EPA-2 TO-15
1,3-Dichlorobenzene	ND	0.20	ppb(v/v)	EPA-2 TO-15
1,4-Dichlorobenzene	ND	0.20	ppb(v/v)	EPA-2 TO-15
1,2-Dichlorobenzene	ND	0.20	ppb(v/v)	EPA-2 TO-15
1,2,4-Trichloro-benzene	ND	0.80	ppb(v/v)	EPA-2 TO-15
Hexachlorobutadiene	ND	0.40	ppb(v/v)	EPA-2 TO-15

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: E4C250226 **Work Order #...:** GC7151AC-LCS **Matrix.....:** AIR
LCS Lot-Sample#: M4C300000-614 GC7151AD-LCSD
Prep Date.....: 03/25/04 **Analysis Date..:** 03/25/04
Prep Batch #...: 4090614 **Analysis Time..:** 19:56
Dilution Factor: 1 **Instrument ID..:** MSD
Analyst ID.....: 341569

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	**90**	**(75 - 135)**			**EPA-2 TO-15**
	106	**(75 - 135)**	**16**	**(0-20)**	**EPA-2 TO-15**
Methylene chloride	**93**	**(75 - 125)**			**EPA-2 TO-15**
	102	**(75 - 125)**	**9.0**	**(0-20)**	**EPA-2 TO-15**
Trichloroethene	**112**	**(75 - 130)**			**EPA-2 TO-15**
	114	**(75 - 130)**	**2.0**	**(0-20)**	**EPA-2 TO-15**
Toluene	**119**	**(75 - 125)**			**EPA-2 TO-15**
	119	**(75 - 125)**	**0.56**	**(0-20)**	**EPA-2 TO-15**
1,1,2,2-Tetrachloroethane	**100**	**(60 - 130)**			**EPA-2 TO-15**
	104	**(60 - 130)**	**3.8**	**(0-20)**	**EPA-2 TO-15**

NOTE(S):

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: E4C250226 **Work Order #...:** GC7151AC-LCS **Matrix.....:** AIR
LCS Lot-Sample#: M4C300000-614 GC7151AD-LCSD
Prep Date.....: 03/25/04 **Analysis Date..:** 03/25/04
Prep Batch #...: 4090614 **Analysis Time..:** 19:56
Dilution Factor: 1 **Instrument ID..:** MSD
Analyst ID.....: 341569

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
1,1-Dichloroethene	**9.00**	**8.12**	**ppb(v/v)**	**90**		**EPA-2 TO-15**
	9.00	**9.52**	**ppb(v/v)**	**106**	**16**	**EPA-2 TO-15**
Methylene chloride	**9.00**	**8.40**	**ppb(v/v)**	**93**		**EPA-2 TO-15**
	9.00	**9.19**	**ppb(v/v)**	**102**	**9.0**	**EPA-2 TO-15**
Trichloroethene	**9.00**	**10.1**	**ppb(v/v)**	**112**		**EPA-2 TO-15**
	9.00	**10.3**	**ppb(v/v)**	**114**	**2.0**	**EPA-2 TO-15**
Toluene	**9.00**	**10.7**	**ppb(v/v)**	**119**		**EPA-2 TO-15**
	9.00	**10.8**	**ppb(v/v)**	**119**	**0.56**	**EPA-2 TO-15**
1,1,2,2-Tetrachloroethane	**9.00**	**8.97**	**ppb(v/v)**	**100**		**EPA-2 TO-15**
	9.00	**9.32**	**ppb(v/v)**	**104**	**3.8**	**EPA-2 TO-15**

NOTE(S):

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

Bold print denotes control parameters

SEVERN TRENT STL

STL Denver
4955 Yarrow Street
Arvada, CO 80002

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

ANALYTICAL REPORT

Project No. Site 234

Bradley LF

Lot #: D4D020273

4916H

Bruce Matlock

Waste Mgmt. Disp. Serv. of CA
9081 Tujunga
Sun Valley CA 91352

Cc: Tina Schmiesing

STL DENVER

Betsy Farnaus
Project Manager

April 27, 2004

Table Of Contents

Standard Deliverables

Report Contents	Total Number of Pages
Standard Deliverables *The **Cover Letter** and the **Report Cover** page are considered integral parts of this Standard Deliverable package. This report is incomplete unless all pages indicated in this Table of Contents are included.*	20

- **Table of Contents**
- **Case Narrative**
- **Executive Summary – Detection Highlights**
- **Methods Summary**
- **Method/Analyst Summary**
- **Lot Sample Summary**
- **Analytical Results**
- **QC Data Association Summary**
- **Chain-of-Custody**

Case Narrative

Enclosed is the report for one sample received at STL's Denver laboratory on April 2, 2004. The results included in this report have been reviewed for compliance with STL's Laboratory Quality Manual. The test results shown in this report meet all requirements of NELAC and any exceptions are noted below.

This report may include data with reporting limits (RLs) less than STL Denver's standard reporting limits. These data and reporting limits are being used specifically to meet the needs of this project. Note that, data are not customarily reported to these levels without qualifiers, because they are inherently less reliable and potentially less defensible than the latest industry standards require. Please contact STL Denver for more details.

Dilution factors and footnotes have been provided to assist in the interpretation of the results. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at concentrations above the linear calibration curve, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

STL utilizes USEPA approved methods in all analytical work. The samples presented in this report were analyzed for the parameters listed on the analytical methods summary page in accordance with the methods indicated. A summary of quality control parameters is provided below.

This report shall not be reproduced except in full, without the written approval of the laboratory.

Quality Control Summary for Lot D4D020273

Sample Receiving

- The cooler temperature upon receipt at the Denver laboratory was 3.6°C.
- The sample bottles were received in acceptable condition.

Holding Times

- The holding time was within established control limits.

Method Blanks

- The Method Blank was within established control limits.

Laboratory Control Samples

- The Laboratory Control Sample was within established control limits.

Matrix Spike and Matrix Spike Duplicate (MS/MSD)

- The Method 8270C Matrix Spike and Matrix Spike Duplicate performed on an unrelated sample exhibited an MS recovery outside control limits for Pentachlorophenol. Because the corresponding Laboratory Control Sample and the Method Blank sample were within control limits, this anomaly may be due to matrix interference and no corrective action was taken.

- All other MS and MSD recoveries were within established control limits.

EXECUTIVE SUMMARY - Detection Highlights

D4D020273

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
NO DETECTABLE PARAMETERS				

PREPARATION METHODS SUMMARY

D4D020273

PREPARATION DESCRIPTION	PREPARATION METHOD	ANALYTICAL METHOD
Continuous Liquid-Liquid Extraction	SW846 3520C	SW846 8270C

References:

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

ANALYTICAL METHODS SUMMARY

D4D020273

PARAMETER	ANALYTICAL METHOD
Semivolatile Organic Compounds by GC/MS	SW846 8270C

References:

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

METHOD / ANALYST SUMMARY

D4D020273

ANALYTICAL METHOD	ANALYST	ANALYST ID
SW846 8270C	Rwanda Todea	005716

References:

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

SAMPLE SUMMARY

D4D020273

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
GDFVR	001	4916H	04/01/04	10:50

NOTE(S):

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

WASTE MANAGEMENT INC.

Client Sample ID: 4916H

GC/MS Semivolatiles

Lot-Sample #...: D4D020273-001 **Work Order #...:** GDFVR1AA **Matrix.....:** WATER
Date Sampled...: 04/01/04 10:50 **Date Received..:** 04/02/04
Prep Date.....: 04/07/04 **Analysis Date..:** 04/22/04
Prep Batch #...: 4098239 **Analysis Time..:** 03:16
Dilution Factor: 1

Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
bis(2-Ethylhexyl) phthalate	ND	10	ug/L	0.90

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	80	(32 - 116)
Phenol-d5	82	(40 - 111)
Nitrobenzene-d5	80	(53 - 107)
2-Fluorobiphenyl	69	(31 - 105)
2,4,6-Tribromophenol	79	(42 - 122)
Terphenyl-d14	97	(21 - 125)

QC DATA ASSOCIATION SUMMARY

D4D020273

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	WATER	SW846 8270C		4098239	4098164

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: D4D020273 **Work Order #...:** GDPK71AA **Matrix.....:** WATER
MB Lot-Sample #: D4D070000-239

Prep Date.....: 04/07/04 **Analysis Time..:** 01:56
Analysis Date..: 04/22/04 **Prep Batch #...:** 4098239
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
bis(2-Ethylhexyl) phthalate	ND	10	ug/L	SW846 8270C

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	82	(32 - 116)
Phenol-d5	85	(40 - 111)
Nitrobenzene-d5	81	(53 - 107)
2-Fluorobiphenyl	58	(31 - 105)
2,4,6-Tribromophenol	76	(42 - 122)
Terphenyl-d14	100	(21 - 125)

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: D4D020273 **Work Order #...:** GDPK71AC **Matrix.....:** WATER
LCS Lot-Sample#: D4D070000-239
Prep Date.....: 04/07/04 **Analysis Date..:** 04/22/04
Prep Batch #...: 4098239 **Analysis Time..:** 02:23
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Acenaphthene	**86**	**(55 - 97)**	**SW846 8270C**
4-Chloro-3-methylphenol	**92**	**(59 - 106)**	**SW846 8270C**
2-Chlorophenol	**91**	**(59 - 105)**	**SW846 8270C**
1,4-Dichlorobenzene	**66**	**(31 - 98)**	**SW846 8270C**
2,4-Dinitrotoluene	**95**	**(57 - 113)**	**SW846 8270C**
4-Nitrophenol	**88**	**(43 - 118)**	**SW846 8270C**
N-Nitrosodi-n-propyl-amine	**83**	**(51 - 99)**	**SW846 8270C**
Pentachlorophenol	**94**	**(48 - 114)**	**SW846 8270C**
Phenol	**92**	**(56 - 106)**	**SW846 8270C**
Pyrene	**103**	**(51 - 103)**	**SW846 8270C**
1,2,4-Trichloro-benzene	**70**	**(36 - 99)**	**SW846 8270C**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	85	(54 - 105)
Phenol-d5	90	(55 - 106)
Nitrobenzene-d5	88	(58 - 108)
2-Fluorobiphenyl	79	(53 - 97)
2,4,6-Tribromophenol	90	(62 - 113)
Terphenyl-d14	106	(55 - 109)

NOTE(S):

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: D4D020273 **Work Order #...:** GDPK71AC **Matrix.....:** WATER
LCS Lot-Sample#: D4D070000-239
Prep Date.....: 04/07/04 **Analysis Date..:** 04/22/04
Prep Batch #...: 4098239 **Analysis Time..:** 02:23
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
Acenaphthene	**100**	**86.0**	**ug/L**	**86**	**SW846 8270C**
4-Chloro-3-methylphenol	**150**	**138**	**ug/L**	**92**	**SW846 8270C**
2-Chlorophenol	**150**	**137**	**ug/L**	**91**	**SW846 8270C**
1,4-Dichlorobenzene	**100**	**66.0**	**ug/L**	**66**	**SW846 8270C**
2,4-Dinitrotoluene	**100**	**95.2**	**ug/L**	**95**	**SW846 8270C**
4-Nitrophenol	**150**	**131**	**ug/L**	**88**	**SW846 8270C**
N-Nitrosodi-n-propyl-amine	**100**	**83.3**	**ug/L**	**83**	**SW846 8270C**
Pentachlorophenol	**150**	**141**	**ug/L**	**94**	**SW846 8270C**
Phenol	**150**	**138**	**ug/L**	**92**	**SW846 8270C**
Pyrene	**100**	**103**	**ug/L**	**103**	**SW846 8270C**
1,2,4-Trichloro-benzene	**100**	**69.6**	**ug/L**	**70**	**SW846 8270C**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	85	(54 - 105)
Phenol-d5	90	(55 - 106)
Nitrobenzene-d5	88	(58 - 108)
2-Fluorobiphenyl	79	(53 - 97)
2,4,6-Tribromophenol	90	(62 - 113)
Terphenyl-d14	106	(55 - 109)

NOTE(S):

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

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: D4D020273 **Work Order #...:** GDF1X1DR-MS **Matrix.....:** WATER
MS Lot-Sample #: D4D020294-004 GDF1X1DT-MSD
Date Sampled...: 03/31/04 10:40 **Date Received..:** 04/02/04
Prep Date.....: 04/07/04 **Analysis Date..:** 04/22/04
Prep Batch #...: 4098239 **Analysis Time..:** 04:35
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Acenaphthene	84	(50 - 96)			SW846 8270C
	78	(50 - 96)	10	(0-40)	SW846 8270C
4-Chloro-3-methylphenol	92	(49 - 102)			SW846 8270C
	88	(49 - 102)	7.7	(0-40)	SW846 8270C
2-Chlorophenol	88	(49 - 98)			SW846 8270C
	89	(49 - 98)	2.0	(0-40)	SW846 8270C
1,4-Dichlorobenzene	73	(41 - 92)			SW846 8270C
	73	(41 - 92)	3.5	(0-30)	SW846 8270C
2,4-Dinitrotoluene	98	(51 - 106)			SW846 8270C
	93	(51 - 106)	8.1	(0-40)	SW846 8270C
4-Nitrophenol	95	(34 - 116)			SW846 8270C
	89	(34 - 116)	9.7	(0-40)	SW846 8270C
N-Nitrosodi-n-propyl-amine	85	(46 - 101)			SW846 8270C
	83	(46 - 101)	4.7	(0-40)	SW846 8270C
Pentachlorophenol	124 a	(34 - 116)			SW846 8270C
	103	(34 - 116)	5.6	(0-40)	SW846 8270C
Phenol	88	(46 - 98)			SW846 8270C
	89	(46 - 98)	2.1	(0-40)	SW846 8270C
Pyrene	100	(39 - 103)			SW846 8270C
	98	(39 - 103)	4.9	(0-40)	SW846 8270C
1,2,4-Trichloro-benzene	78	(46 - 92)			SW846 8270C
	75	(46 - 92)	7.6	(0-40)	SW846 8270C

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	82	(32 - 116)
	83	(32 - 116)
Phenol-d5	88	(40 - 111)
	87	(40 - 111)
Nitrobenzene-d5	87	(53 - 107)
	86	(53 - 107)
2-Fluorobiphenyl	80	(31 - 105)
	75	(31 - 105)
2,4,6-Tribromophenol	91	(42 - 122)
	90	(42 - 122)

(Continued on next page)

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: D4D020273 **Work Order #...:** GDF1X1DR-MS **Matrix.....:** WATER
MS Lot-Sample #: D4D020294-004 GDF1X1DT-MSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Terphenyl-d14	103	(21 - 125)
	101	(21 - 125)

NOTE(S):

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

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: D4D020273 **Work Order #...:** GDF1X1DR-MS **Matrix.....:** WATER
MS Lot-Sample #: D4D020294-004 GDF1X1DT-MSD
Date Sampled...: 03/31/04 10:40 **Date Received..:** 04/02/04
Prep Date.....: 04/07/04 **Analysis Date..:** 04/22/04
Prep Batch #...: 4098239 **Analysis Time..:** 04:35
Dilution Factor: 1

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Acenaphthene	ND	103	86.1	ug/L	84		SW846 8270C
	ND	99.3	77.7	ug/L	78	10	SW846 8270C
4-Chloro-3-methylphenol	ND	154	142	ug/L	92		SW846 8270C
	ND	149	132	ug/L	88	7.7	SW846 8270C
2-Chlorophenol	ND	154	135	ug/L	88		SW846 8270C
	ND	149	132	ug/L	89	2.0	SW846 8270C
1,4-Dichlorobenzene	ND	103	75.2	ug/L	73		SW846 8270C
	ND	99.3	72.6	ug/L	73	3.5	SW846 8270C
2,4-Dinitrotoluene	ND	103	100	ug/L	98		SW846 8270C
	ND	99.3	92.6	ug/L	93	8.1	SW846 8270C
4-Nitrophenol	ND	154	147	ug/L	95		SW846 8270C
	ND	149	133	ug/L	89	9.7	SW846 8270C
N-Nitrosodi-n-propyl-amine	ND	103	86.7	ug/L	85		SW846 8270C
	ND	99.3	82.8	ug/L	83	4.7	SW846 8270C
Pentachlorophenol	490	154	685	ug/L	124 a		SW846 8270C
	490	149	648	ug/L	103	5.6	SW846 8270C
Phenol	ND	154	136	ug/L	88		SW846 8270C
	ND	149	133	ug/L	89	2.1	SW846 8270C
Pyrene	ND	103	103	ug/L	100		SW846 8270C
	ND	99.3	97.7	ug/L	98	4.9	SW846 8270C
1,2,4-Trichloro-benzene	ND	103	80.1	ug/L	78		SW846 8270C
	ND	99.3	74.3	ug/L	75	7.6	SW846 8270C

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	82	(32 - 116)
	83	(32 - 116)
Phenol-d5	88	(40 - 111)
	87	(40 - 111)
Nitrobenzene-d5	87	(53 - 107)
	86	(53 - 107)
2-Fluorobiphenyl	80	(31 - 105)
	75	(31 - 105)
2,4,6-Tribromophenol	91	(42 - 122)
	90	(42 - 122)

(Continued on next page)

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: D4D020273 **Work Order #...:** GDF1X1DR-MS **Matrix.....:** WATER
MS Lot-Sample #: D4D020294-004 GDF1X1DT-MSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Terphenyl-d14	103	(21 - 125)
	101	(21 - 125)

NOTE(S):

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

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

[redacted]

Chain of Custody Record

STL Denver
4955 Yarrow Street
Arvada, CO 80002

3.6° VB 4/2/04

SEVERN TRENT SERVICES

Severn Trent Laboratories, Inc.

STL-4124 (1200) **DEN (0900)**

Client: WASTE MANAGEMENT	Project Manager: TINA SCHMIESING	Date: 4-1-04	Chain of Custody Number: 091583
Address: 9081 TUJUNGA AVE	Telephone Number (Area Code)/Fax Number: 1800 326-9544	Lab Number: D4D020273	Page 1 of 1
City: SUN VALLEY; State: CA; Zip Code: 91352	Site Contact: BRUCE M; Lab Contact: BETSY F		
Project Name and Location (State): BRADLEY LF	Carrier/Waybill Number:		
Contract/Purchase Order/Quote No.: 234-25662-A			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil		Containers & Preservatives: Unpres.	H2SO4	HNOS	HCl	NaOH	ZnAc/NaOH		Analysis (Attach list if more space is needed): BIS-8270C	Special Instructions/ Conditions of Receipt
4916 H	4/1/04	1050		X				2							X	

Possible Hazard Identification: ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal: ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 3 months)

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify):

	Date	Time		Date	Time
1. Relinquished By	4/1/04	1130	1. Received By	4/2/04	0700
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments

DISTRIBUTION: WHITE - Stays with the Sample; CANARY - Returned to Client with Report; PINK - Field Copy

FIELD INFORMATION FORM

WASTE MANAGEMENT

Site Name: BRADLEY LF

Site No.:

Sample Point: 4 9 1 4 H (Sample ID)

This Waste Management Field Information Form is Required
This form is to be completed, in addition to any State Forms. The Field Form is submitted along with the Chain of Custody Forms that accompany the sample containers (i.e. with the cooler that is returned to the laboratory).

Laboratory Use Only/Lab ID: D4102027 3-001

PURGE INFO

PURGE DATE (MM DD YY)	PURGE TIME (2400 Hr Clock)	ELAPSED HRS (hrs:min)	WATER VOL IN CASING (Gallons)	ACTUAL VOL PURGED (Gallons)	WELL VOLs PURGED
040104	1020	+:30	570	130	

Note: For Passive Sampling, replace "Water Vol in Casing" and "Well Vols Purged" w/ Water Vol in Tubing/Flow Cell and Tubing/Flow Cell Vols Purged. Mark changes, record field data, below.

PURGE/SAMPLE EQUIPMENT

Purging and Sampling Equipment ... Dedicated: (Y) or N

Purging Device: E — A- Submersible Pump, B-Peristaltic Pump, C-QED Bladder Pump, D-Bailer, E-Piston Pump, F-Dipper/Bottle

Sampling Device: E

X-Other:

Filter Device: Y or (N) 0.45 µ or ____ µ (circle or fill in)

Filter Type: A-In-line Disposable, B-Pressure, C-Vacuum, X-Other

Sample Tube Type: A-Teflon, B-Stainless Steel, C-PVC, D-Polypropylene, X-Other:

WELL DATA

Well Elevation (at TOC): 8023 (ft/msl)

Depth to Water (DTW) (from TOC): 24.98 (ft)

Groundwater Elevation (site datum, from TOC): ____ (ft/msl)

Total Well Depth (from TOC): 37 — (ft)

Stick Up (from ground elevation): ____ (ft)

Casing ID: 4.0 (in)

Casing Material: PVC

Note: Total Well Depth, Stick Up, Casing Id, etc. are optional and can be from historical data, unless required by Site/Permit. Well Elevation, DTW, and Groundwater Elevation must be current.

STABILIZATION DATA (Optional)

Sample Time (2400 Hr Clock)	Rate/Unit	pH (std)	Conductance (SC/EC) (µmhos/cm @ 25 °C)	Temp. (°C)	Turbidity (ntu)	D.O. (mg/L - ppm)	eH/ORP (mV)	DTW (ft)
1030	5.0 1st	7.18 1st	.736 1st	19.4	04	1.0	—	—
1040	10.0 2nd	7.14 2nd	.745 2nd	18.1	02	1.1	—	—
1045	13.0 3rd	7.13 3rd	.743 3rd	18.1	02	1.0	—	—
	4th	4th						
Suggested range for 3 consec. readings or note Permit/State requirements:		+/- 0.2	+/- 3%	--	--	+/- 10%	+/- 25 mV	Stabilize

Stabilization Data Fields are Optional *(i.e. complete stabilization readings for parameters required by WM, Site, or State). These fields can be used where four (4) field measurements are required by State/Permit/Site. If a Data Logger or other Electronic format is used, fill in final readings below and submit electronic data separately to Site. If more fields above are needed, use separate sheet or form.*

FIELD DATA

SAMPLE DATE (MM DD YY)	pH (std)	CONDUCTANCE (umhos/cm @ 25°C)	TEMP. (°C)	TURBIDITY (ntu)	DO (mg/L-ppm)	eH/ORP (mV)	Other: ____ Units gal
040104	7.13	.743	18.1	02	1.0	—	—

Final Field Readings are required *(i.e. record field measurements, final stabilized readings, passive sample readings before sampling for all field parameters required by State/Permit/Site.*

FIELD COMMENTS

Sample Appearance: clear Odor: None Color: clear Other:

Weather Conditions (required daily, or as conditions change): Direction/Speed: Outlook: Precipitation: Y or (N)

Specific Comments (including purge/well volume calculations if required):

*Samples collected after all readings had stabilized @ 13 gal

— Samples collected @ 1050 HRS.

I certify that sampling procedures were in accordance with applicable EPA, State, and WM protocols (if more than one sampler, all should sign):

Date	Name	Signature	Company
04/01/04	Ernesto Martinez	[signature]	SCS-FS.

DISTRIBUTION: WHITE/ORIGINAL - Stays with Sample, YELLOW - Returned to Client, PINK - Field Copy

STL-8029WM 8/02/00

APPENDIX E

Leachate Analytical Laboratory Results and Chain-of-Custody Records

SEVERN TRENT STL

STL Denver
4955 Yarrow Street
Arvada, CO 80002

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

ANALYTICAL REPORT

Project No. Site 234

Bradley LF

Lot #: D4C120246

Sumps

Bruce Matlock

Waste Mgmt. Disp. Serv. of CA
9081 Tujunga
Sun Valley CA 91352

Cc: Tina Schmiesing

STL DENVER

Betsy Farnaus
Project Manager

March 31, 2004

Table Of Contents

Standard Deliverables

Report Contents	Total Number of Pages
Standard Deliverables *The **Cover Letter** and the **Report Cover** page are considered integral parts of this Standard Deliverable package. This report is incomplete unless all pages indicated in this Table of Contents are included.*	66

- **Table of Contents**
- **Case Narrative**
- **Executive Summary – Detection Highlights**
- **Methods Summary**
- **Method/Analyst Summary**
- **Lot Sample Summary**
- **Analytical Results**
- **QC Data Association Summary**
- **Chain-of-Custody**

Case Narrative

Enclosed is the report for one sample received at STL's Denver laboratory on March 12, 2004. The results included in this report have been reviewed for compliance with STL's Laboratory Quality Manual. The test results shown in this report meet all requirements of NELAC and any exceptions are noted below.

This report may include data with reporting limits (RLs) less than STL Denver's standard reporting limits. These data and reporting limits are being used specifically to meet the needs of this project. Note that, data are not customarily reported to these levels without qualifiers, because they are inherently less reliable and potentially less defensible than the latest industry standards require. Please contact STL Denver for more details.

Dilution factors and footnotes have been provided to assist in the interpretation of the results. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at concentrations above the linear calibration curve, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

STL utilizes USEPA approved methods in all analytical work. The samples presented in this report were analyzed for the parameters listed on the analytical methods summary page in accordance with the methods indicated. A summary of quality control parameters is provided below.

This report shall not be reproduced except in full, without the written approval of the laboratory.

Quality Control Summary for Lot D4C120246

Sample Receiving

- The cooler temperature upon receipt at the Denver laboratory was 5.1°C.
- The sulfuric acid preserved amber bottle for Method 415.1 analysis for the sample LEACHATE SUMP B had a pH value greater than 2. This is non-compliant with Method 415.1, which requires samples to be preserved with sulfuric acid to a pH of less than 2.
- All other sample bottles were received in acceptable condition.

Holding Times

- All holding times were within established control limits.

Method Blanks

- Methylene Chloride Method 8260B, Total Sodium, Total Copper, Total Cobalt and Total Beryllium Method 6010B and Specific Conductance Method 120.1 were detected in the Method Blanks at levels below the project established reporting limits. No corrective action is taken for any values in Method Blanks that are below the requested reporting limits.
- All other Method Blanks were within established control limits.

Laboratory Control Samples

- All Laboratory Control Samples were within established control limits.

Matrix Spike and Matrix Spike Duplicate (MS/MSD)

- The method required MS/MSD could not be performed for Method 1664A HEM due to insufficient sample volume, however, a LCS/LCSD pair was analyzed to demonstrate method precision.

- The percent recoveries of the MS/MSD and/or the relative percent difference were not calculated for Total Boron, Total Sodium and Total Magnesium during Method 6010B analysis because the sample concentration was greater than four times the spike amount.

- The Matrix Spike and Matrix Spike Duplicate recoveries were outside control limits for Fluoride Method 300.0A and Total Sulfide Method 376.2. In addition, the RPD result was outside the RPD limits for Total Sulfide. Because the corresponding Laboratory Control Samples and the Method Blank samples were within control limits, these anomalies are considered to be due to matrix interference and no corrective action was taken.

- All other MS and MSD samples were within established control limits.

Inorganics

- Due to matrix interference, the normal Mercury Method 7470A preparation procedure was ineffective for the sample LEACHATE SUMP B. The sample was reprepared at a ten times dilution and analyzed as normal 10 ml aliquots.

EXECUTIVE SUMMARY - Detection Highlights

D4C120246

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
LEACHATE SUMP B 03/11/04 13:05 001				
Arsenic	120	10	ug/L	SW846 6010B
Cobalt	22 J	10	ug/L	SW846 6010B
Boron	6700	100	ug/L	SW846 6010B
Manganese	2500	10	ug/L	SW846 6010B
Sodium	1200000 J	5000	ug/L	SW846 6010B
Calcium	540000	200	ug/L	SW846 6010B
Magnesium	250000	200	ug/L	SW846 6010B
Iron	16000	100	ug/L	SW846 6010B
Chromium	25	10	ug/L	SW846 6010B
Copper	7.4 B,J	10	ug/L	SW846 6010B
Nickel	140	40	ug/L	SW846 6010B
Beryllium	1.6 B,J	5.0	ug/L	SW846 6010B
Barium	3600	100	ug/L	SW846 6010B
Potassium	190000	5000	ug/L	SW846 6010B
bis(2-Ethylhexyl) phthalate	6.5 J	10	ug/L	SW846 8270C
2-Methylphenol	4.8 J	10	ug/L	SW846 8270C
Naphthalene	11	10	ug/L	SW846 8270C
Acetone	32 J	34	ug/L	SW846 8260B
Benzene	1.6	1.0	ug/L	SW846 8260B
Chlorobenzene	0.71 J	5.0	ug/L	SW846 8260B
1,2-Dichlorobenzene	0.88 J	10	ug/L	SW846 8260B
1,4-Dichlorobenzene	10	10	ug/L	SW846 8260B
1,1-Dichloroethane	0.71 J	5.0	ug/L	SW846 8260B
cis-1,2-Dichloroethene	3.4 J	10	ug/L	SW846 8260B
1,2-Dichloropropane	0.76 J	5.0	ug/L	SW846 8260B
Ethylbenzene	14	5.0	ug/L	SW846 8260B
Methylene chloride	0.71 J,B	5.0	ug/L	SW846 8260B
Toluene	7.4	1.0	ug/L	SW846 8260B
Vinyl chloride	0.78 J	1.0	ug/L	SW846 8260B
Xylenes (total)	19	10	ug/L	SW846 8260B
Specific Conductance	11000 J	2.0	umhos/cm	MCAWW 120.1
Hardness, as CaCO3	2500 Q	62	mg/L	MCAWW 130.2
Total Dissolved Solids	6700 Q	40	mg/L	MCAWW 160.1
Chloride	2600 Q	300	mg/L	MCAWW 300.0A
Total Organic Carbon	510 Q	20	mg/L	MCAWW 415.1
Total Organic Carbon	520 Q	20	mg/L	MCAWW 415.1
Free Cyanide (4500-CN-I)	0.0046 B	0.010	mg/L	SM18 4500-CN-I
HEM (Oil and Grease)	3.8 B	5.0	mg/L	CFR136A 1664A HEM
Total Organic Halogens	1600 C,Q	600	ug/L	SW846 9020B

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

D4C120246

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
LEACHATE SUMP B 03/11/04 13:05 001				
Total Organic Halogens	1500 C,Q	600	ug/L	SW846 9020B
Total Organic Halogens	1900 C,Q	1200	ug/L	SW846 9020B
Total Organic Halogens	1800 C,Q	1200	ug/L	SW846 9020B
Bicarbonate Alkalinity	1900	5.0	mg/L	MCAWW 310.1
Total Alkalinity	1900	5.0	mg/L	MCAWW 310.1
Total Cyanide	0.11	0.010	mg/L	MCAWW 335.3
Chemical Oxygen Demand (COD)	280 IC	16	mg/L	MCAWW 410.4

PREPARATION METHODS SUMMARY

D4C120246

PREPARATION DESCRIPTION	PREPARATION METHOD	ANALYTICAL METHOD
Acid Digestion for Total Recoverable Metals	SW846 3005A	SW846 6010B
Bicarbonate Alkalinity	MCAWW 310.1	MCAWW 310.1
Chemical Oxygen Demand	MCAWW 410.4	MCAWW 410.4
Chloride	MCAWW 300.0A	MCAWW 300.0A
Continuous Liquid-Liquid Extraction	SW846 3520C	SW846 8270C
Distillation procedure	MCAWW 335.3	MCAWW 335.3
Distillation procedure	SM18 4500CN-E	SM18 4500-CN-I
Filterable Residue (TDS)	MCAWW 160.1	MCAWW 160.1
Fluoride	MCAWW 300.0A	MCAWW 300.0A
Mercury Sample Preparation	SW846 7470A	SW846 7470A
Potentiometric titration to preselected pH	MCAWW 310.1	MCAWW 310.1
Separatory Funnel	CFR136A 1664	CFR136A 1664A H
Specific Conductance	MCAWW 120.1	MCAWW 120.1
Sulfate	MCAWW 300.0A	MCAWW 300.0A
Sulfide, no preparation	MCAWW 376.2	MCAWW 376.2
Total Hardness	MCAWW 130.2	MCAWW 130.2
Total Organic Carbon	MCAWW 415.1	MCAWW 415.1
Total Organic Halogens	SW846 9020B	SW846 9020B
25 mL Purge-and-Trap	SW846 5030B/826	SW846 8260B

References:

CFR136A "Methods for Organic Chemical Analysis of Municipal and Industrial Wastewater", 40CFR, Part 136, Appendix A, October 26, 1984 and subsequent revisions.

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

SM18 "Standard Methods for the Examination of Water and Wastewater", 18th Edition, 1992.

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

ANALYTICAL METHODS SUMMARY

D4C120246

PARAMETER	ANALYTICAL METHOD
Alkalinity	MCAWW 310.1
Bicarbonate Alkalinity	MCAWW 310.1
Chemical Oxygen Demand	MCAWW 410.4
Chloride	MCAWW 300.0A
Filterable Residue (TDS)	MCAWW 160.1
Fluoride	MCAWW 300.0A
Free Cyanide (4500-CN-I) Free Cyanide (4500-CN-I)	SM18 4500-CN-I
Inductively Coupled Plasma (ICP) Metals	SW846 6010B
Mercury in Liquid Waste (Manual Cold-Vapor)	SW846 7470A
N-Hexane Extractable Material (1664A)	CFR136A 1664A HEM
Semivolatile Organic Compounds by GC/MS	SW846 8270C
Specific Conductance	MCAWW 120.1
Sulfate	MCAWW 300.0A
Sulfide (Colorimetric,MB)	MCAWW 376.2
Total Cyanide	MCAWW 335.3
Total Hardness (Titrimetric, EDTA)	MCAWW 130.2
Total Organic Carbon	MCAWW 415.1
Total Organic Halogens	SW846 9020B
Trace Inductively Coupled Plasma (ICP) Metals	SW846 6010B
Volatile Organics by GC/MS	SW846 8260B

References:

CFR136A "Methods for Organic Chemical Analysis of Municipal and Industrial Wastewater", 40CFR, Part 136, Appendix A, October 26, 1984 and subsequent revisions.

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

SM18 "Standard Methods for the Examination of Water and Wastewater", 18th Edition, 1992.

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

METHOD / ANALYST SUMMARY

D4C120246

ANALYTICAL METHOD	ANALYST	ANALYST ID
CFR136A 1664A HEM	Yupanqui Caldas	000999
MCAWW 120.1	Maria Fayard	002596
MCAWW 130.2	Duane Allee	001470
MCAWW 160.1	Jean Carrier	008763
MCAWW 300.0A	Andrita Scofield	004409
MCAWW 310.1	Maria Fayard	002596
MCAWW 335.3	Ewa Kudla	001167
MCAWW 376.2	Claire Likar	004382
MCAWW 410.4	Nicole Dean	008504
MCAWW 415.1	Duane Allee	001470
SM18 4500-CN-I	Ewa Kudla	001167
SW846 6010B	Kristen Roda	005692
SW846 6010B	Kristen Roda	5692
SW846 7470A	Kacey Ono	003371
SW846 8260B	Jason Reinhardt	013454
SW846 8270C	David Kidd	007536
SW846 9020B	Duane Allee	001470

References:

CFR136A "Methods for Organic Chemical Analysis of Municipal and Industrial Wastewater", 40CFR, Part 136, Appendix A, October 26, 1984 and subsequent revisions.

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

SM18 "Standard Methods for the Examination of Water and Wastewater", 18th Edition, 1992.

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

SAMPLE SUMMARY

D4C120246

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
GA6MQ	001	LEACHATE SUMP B	03/11/04	13:05

NOTE(S):

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

WASTE MANAGEMENT INC.

Client Sample ID: LEACHATE SUMP B

GC/MS Volatiles

Lot-Sample #...: D4C120246-001 **Work Order #...:** GA6MQ1CK **Matrix.....:** WATER
Date Sampled...: 03/11/04 13:05 **Date Received..:** 03/12/04
Prep Date.....: 03/22/04 **Analysis Date..:** 03/23/04
Prep Batch #...: 4083567 **Analysis Time..:** 04:05
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	**32 J**	**34**	**ug/L**	**2.5**
Acrylonitrile	ND	100	ug/L	3.1
Benzene	**1.6**	**1.0**	**ug/L**	**0.17**
Bromochloromethane	ND	10	ug/L	0.27
Bromodichloromethane	ND	5.0	ug/L	0.20
Bromoform	ND	5.0	ug/L	0.23
Bromomethane	ND	10	ug/L	0.22
Carbon disulfide	ND	5.0	ug/L	0.24
Carbon tetrachloride	ND	0.50	ug/L	0.20
Chlorobenzene	**0.71 J**	**5.0**	**ug/L**	**0.13**
Dibromochloromethane	ND	5.0	ug/L	0.19
Chloroethane	ND	10	ug/L	0.18
Chloroform	ND	5.0	ug/L	0.17
Chloromethane	ND	10	ug/L	0.91
Dibromomethane	ND	10	ug/L	0.31
1,2-Dichlorobenzene	**0.88 J**	**10**	**ug/L**	**0.15**
1,4-Dichlorobenzene	**10**	**10**	**ug/L**	**0.16**
trans-1,4-Dichloro-2-butene	ND	10	ug/L	0.45
Dichlorodifluoromethane	ND	10	ug/L	0.22
1,1-Dichloroethane	**0.71 J**	**5.0**	**ug/L**	**0.22**
1,2-Dichloroethane	ND	5.0	ug/L	0.26
1,1-Dichloroethene	ND	1.0	ug/L	0.23
cis-1,2-Dichloroethene	**3.4 J**	**10**	**ug/L**	**0.14**
trans-1,2-Dichloroethene	ND	10	ug/L	0.15
1,2-Dichloropropane	**0.76 J**	**5.0**	**ug/L**	**0.18**
cis-1,3-Dichloropropene	ND	5.0	ug/L	0.19
trans-1,3-Dichloropropene	ND	5.0	ug/L	0.20
Ethylbenzene	**14**	**5.0**	**ug/L**	**0.12**
Trichlorofluoromethane	ND	10	ug/L	0.24
2-Hexanone	ND	5.0	ug/L	1.7
Iodomethane	ND	10	ug/L	0.19
Methylene chloride	**0.71 J,B**	**5.0**	**ug/L**	**0.21**
4-Methyl-2-pentanone	ND	10	ug/L	0.98
Styrene	ND	5.0	ug/L	0.14
1,1,1,2-Tetrachloroethane	ND	5.0	ug/L	0.21
1,1,2,2-Tetrachloroethane	ND	5.0	ug/L	0.21
Tetrachloroethene	ND	5.0	ug/L	0.26

(Continued on next page)

WASTE MANAGEMENT INC.

Client Sample ID: LEACHATE SUMP B

GC/MS Volatiles

Lot-Sample #...: D4C120246-001 **Work Order #...:** GA6MQ1CK **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Toluene	**7.4**	**1.0**	**ug/L**	**0.15**
1,1,1-Trichloroethane	ND	5.0	ug/L	0.16
1,1,2-Trichloroethane	ND	5.0	ug/L	0.27
Trichloroethene	ND	5.0	ug/L	0.16
1,2,3-Trichloropropane	ND	10	ug/L	0.33
Vinyl acetate	ND	10	ug/L	0.56
Vinyl chloride	**0.78 J**	**1.0**	**ug/L**	**0.19**
Xylenes (total)	**19**	**10**	**ug/L**	**0.41**
1,2-Dibromo-3-chloropropane (DBCP)	ND	10	ug/L	0.47
1,2-Dibromoethane (EDB)	ND	1.0	ug/L	0.18
2-Butanone (MEK)	ND	10	ug/L	2.0

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	90	(76 - 116)
1,2-Dichloroethane-d4	88	(59 - 129)
4-Bromofluorobenzene	93	(74 - 114)
Toluene-d8	85	(76 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

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

WASTE MANAGEMENT INC.

Client Sample ID: LEACHATE SUMP B

GC/MS Semivolatiles

Lot-Sample #...: D4C120246-001 **Work Order #...:** GA6MQ1A9 **Matrix.....:** WATER
Date Sampled...: 03/11/04 13:05 **Date Received..:** 03/12/04
Prep Date.....: 03/15/04 **Analysis Date..:** 03/19/04
Prep Batch #...: 4075233 **Analysis Time..:** 17:59
Dilution Factor: 1

Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acenaphthene	ND	10	ug/L	0.60
Acenaphthylene	ND	10	ug/L	0.60
Acetophenone	ND	10	ug/L	2.0
2-Acetylaminofluorene	ND	100	ug/L	2.0
4-Aminobiphenyl	ND	50	ug/L	2.0
Anthracene	ND	10	ug/L	3.0
Benzo(a)anthracene	ND	10	ug/L	0.80
Benzo(b)fluoranthene	ND	10	ug/L	0.90
Benzo(k)fluoranthene	ND	10	ug/L	2.0
Benzo(ghi)perylene	ND	10	ug/L	1.0
Benzo(a)pyrene	ND	10	ug/L	0.80
Benzyl alcohol	ND	10	ug/L	1.0
bis(2-Chloroethoxy) methane	ND	10	ug/L	0.90
bis(2-Chloroethyl)-ether	ND	10	ug/L	3.0
bis(2-Ethylhexyl) phthalate	**6.5 J**	**10**	**ug/L**	**0.90**
4-Bromophenyl phenyl ether	ND	10	ug/L	0.70
Butyl benzyl phthalate	ND	10	ug/L	1.0
4-Chloroaniline	ND	10	ug/L	3.0
Chlorobenzilate	ND	10	ug/L	2.0
4-Chloro-3-methylphenol	ND	10	ug/L	0.80
2-Chloronaphthalene	ND	10	ug/L	0.70
2-Chlorophenol	ND	10	ug/L	0.80
4-Chlorophenyl phenyl ether	ND	10	ug/L	0.60
Chrysene	ND	10	ug/L	0.80
Diallate	ND	20	ug/L	2.0
Dibenz(a,h)anthracene	ND	10	ug/L	0.90
Dibenzofuran	ND	10	ug/L	0.60
Di-n-butyl phthalate	ND	10	ug/L	0.80
3,3'-Dichlorobenzidine	ND	50	ug/L	8.0
2,4-Dichlorophenol	ND	10	ug/L	0.70
2,6-Dichlorophenol	ND	10	ug/L	2.0
Diethyl phthalate	ND	10	ug/L	0.70
Dimethoate	ND	20	ug/L	2.0

(Continued on next page)

WASTE MANAGEMENT INC.

Client Sample ID: LEACHATE SUMP B

GC/MS Semivolatiles

Lot-Sample #...: D4C120246-001 **Work Order #...:** GA6MQ1A9 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
4-Dimethylaminoazobenzene	ND	20	ug/L	2.0
7,12-Dimethylbenz(a)-anthracene	ND	20	ug/L	3.0
3,3'-Dimethylbenzidine	ND	20	ug/L	4.0
2,4-Dimethylphenol	ND	10	ug/L	4.0
Dimethyl phthalate	ND	10	ug/L	0.80
1,3-Dinitrobenzene	ND	10	ug/L	2.0
4,6-Dinitro-2-methylphenol	ND	50	ug/L	6.0
2,4-Dinitrophenol	ND	50	ug/L	6.0
2,4-Dinitrotoluene	ND	10	ug/L	1.0
2,6-Dinitrotoluene	ND	10	ug/L	0.80
Dinoseb	ND	10	ug/L	2.0
Di-n-octyl phthalate	ND	10	ug/L	1.0
Diphenylamine	ND	10	ug/L	2.0
Disulfoton	ND	50	ug/L	2.0
Ethyl methanesulfonate	ND	10	ug/L	2.0
Famphur	ND	200	ug/L	9.0
Fluoranthene	ND	10	ug/L	0.70
Fluorene	ND	10	ug/L	0.60
Hexachlorobenzene	ND	10	ug/L	0.80
Hexachlorobutadiene	ND	10	ug/L	1.0
Hexachlorocyclopenta-diene	ND	50	ug/L	5.0
Hexachloroethane	ND	10	ug/L	0.80
Hexachloropropene	ND	100	ug/L	1.0
Indeno(1,2,3-cd)pyrene	ND	10	ug/L	0.80
Isodrin	ND	10	ug/L	5.0
Isophorone	ND	10	ug/L	0.90
Isosafrole	ND	20	ug/L	3.0
Methapyrilene	ND	50	ug/L	20
3-Methylcholanthrene	ND	20	ug/L	1.0
Methyl methanesulfonate	ND	10	ug/L	2.0
2-Methylnaphthalene	ND	10	ug/L	0.80
Methyl parathion	ND	50	ug/L	2.0
2-Methylphenol	**4.8 J**	**10**	**ug/L**	**0.90**
3-Methylphenol & 4-Methylphenol	ND	10	ug/L	0.80
Naphthalene	**11**	**10**	**ug/L**	**0.80**
1,4-Naphthoquinone	ND	50	ug/L	2.0
1-Naphthylamine	ND	10	ug/L	1.0
2-Naphthylamine	ND	10	ug/L	1.0
2-Nitroaniline	ND	50	ug/L	0.90

(Continued on next page)

WASTE MANAGEMENT INC.

Client Sample ID: LEACHATE SUMP B

GC/MS Semivolatiles

Lot-Sample #...: D4C120246-001 **Work Order #...:** GA6MQ1A9 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
3-Nitroaniline	ND	50	ug/L	0.90
4-Nitroaniline	ND	50	ug/L	6.0
Nitrobenzene	ND	10	ug/L	2.0
2-Nitrophenol	ND	10	ug/L	0.80
4-Nitrophenol	ND	50	ug/L	7.0
N-Nitrosodi-n-butylamine	ND	10	ug/L	2.0
N-Nitrosodiethylamine	ND	10	ug/L	2.0
N-Nitrosodimethylamine	ND	10	ug/L	0.80
N-Nitrosodiphenylamine	ND	10	ug/L	1.0
N-Nitrosodi-n-propyl-amine	ND	10	ug/L	0.70
N-Nitrosomethylethylamine	ND	10	ug/L	2.0
N-Nitrosopiperidine	ND	10	ug/L	2.0
N-Nitrosopyrrolidine	ND	10	ug/L	2.0
5-Nitro-o-toluidine	ND	20	ug/L	2.0
2,2'-oxybis(1-Chloropropane)	ND	10	ug/L	0.70
Parathion	ND	50	ug/L	2.0
Pentachlorobenzene	ND	10	ug/L	2.0
Pentachloronitrobenzene	ND	50	ug/L	2.0
Pentachlorophenol	ND	50	ug/L	5.0
Phenacetin	ND	20	ug/L	2.0
Phenanthrene	ND	10	ug/L	0.70
Phenol	ND	10	ug/L	0.90
4-Phenylenediamine	ND	100	ug/L	5.0
Phorate	ND	50	ug/L	2.0
Pronamide	ND	20	ug/L	2.0
Pyrene	ND	10	ug/L	0.80
Safrole	ND	50	ug/L	2.0
1,2,4,5-Tetrachloro-benzene	ND	10	ug/L	2.0
2,3,4,6-Tetrachlorophenol	ND	50	ug/L	2.0
Thionazin	ND	10	ug/L	2.0
o-Toluidine	ND	10	ug/L	2.0
1,2,4-Trichloro-benzene	ND	10	ug/L	0.90
2,4,5-Trichloro-phenol	ND	10	ug/L	1.0
2,4,6-Trichloro-phenol	ND	10	ug/L	0.80
O,O,O-Triethylphosphoro-thioate	ND	50	ug/L	2.0
1,3,5-Trinitrobenzene	ND	50	ug/L	2.0

(Continued on next page)

WASTE MANAGEMENT INC.

Client Sample ID: LEACHATE SUMP B

GC/MS Semivolatiles

Lot-Sample #...: D4C120246-001 **Work Order #...:** GA6MQ1A9 **Matrix.....:** WATER

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	75	(32 - 116)
Phenol-d5	62	(40 - 111)
Nitrobenzene-d5	93	(53 - 107)
2-Fluorobiphenyl	75	(31 - 105)
2,4,6-Tribromophenol	89	(42 - 122)
Terphenyl-d14	28	(21 - 125)

NOTE(S):

J Estimated result. Result is less than RL.

WASTE MANAGEMENT INC.

Client Sample ID: LEACHATE SUMP B

TOTAL Metals

Lot-Sample #...: D4C120246-001 **Matrix.....:** WATER
Date Sampled...: 03/11/04 13:05 **Date Received..:** 03/12/04

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 4076542						
Boron	**6700**	**100**	**ug/L**	**SW846 6010B**	**03/18-03/27/04**	**GA6MQ1AQ**
		Dilution Factor: 1		Analysis Time..: 04:14	MDL.....: 8.3	
Manganese	**2500**	**10**	**ug/L**	**SW846 6010B**	**03/18-03/23/04**	**GA6MQ1AR**
		Dilution Factor: 1		Analysis Time..: 17:27	MDL.....: 0.54	
Sodium	**1200000 J**	**5000**	**ug/L**	**SW846 6010B**	**03/18-03/27/04**	**GA6MQ1AT**
		Dilution Factor: 1		Analysis Time..: 04:14	MDL.....: 1100	
Calcium	**540000**	**200**	**ug/L**	**SW846 6010B**	**03/18-03/27/04**	**GA6MQ1AU**
		Dilution Factor: 1		Analysis Time..: 04:14	MDL.....: 76	
Magnesium	**250000**	**200**	**ug/L**	**SW846 6010B**	**03/18-03/27/04**	**GA6MQ1AV**
		Dilution Factor: 1		Analysis Time..: 04:14	MDL.....: 27	
Iron	**16000**	**100**	**ug/L**	**SW846 6010B**	**03/18-03/27/04**	**GA6MQ1AW**
		Dilution Factor: 1		Analysis Time..: 04:14	MDL.....: 19	
Zinc	ND	20	ug/L	SW846 6010B	03/18-03/23/04	GA6MQ1AX
		Dilution Factor: 1		Analysis Time..: 17:27	MDL.....: 7.1	
Silver	ND	10	ug/L	SW846 6010B	03/18-03/23/04	GA6MQ1A1
		Dilution Factor: 1		Analysis Time..: 17:27	MDL.....: 0.70	
Cadmium	ND	5.0	ug/L	SW846 6010B	03/18-03/23/04	GA6MQ1A2
		Dilution Factor: 1		Analysis Time..: 17:27	MDL.....: 0.27	
Chromium	**25**	**10**	**ug/L**	**SW846 6010B**	**03/18-03/23/04**	**GA6MQ1A3**
		Dilution Factor: 1		Analysis Time..: 17:27	MDL.....: 2.1	
Copper	**7.4 B,J**	**10**	**ug/L**	**SW846 6010B**	**03/18-03/23/04**	**GA6MQ1A4**
		Dilution Factor: 1		Analysis Time..: 17:27	MDL.....: 0.97	
Nickel	**140**	**40**	**ug/L**	**SW846 6010B**	**03/18-03/23/04**	**GA6MQ1A5**
		Dilution Factor: 1		Analysis Time..: 17:27	MDL.....: 4.2	
Lead	ND	3.0	ug/L	SW846 6010B	03/18-03/23/04	GA6MQ1A6
		Dilution Factor: 1		Analysis Time..: 17:27	MDL.....: 2.1	

(Continued on next page)

WASTE MANAGEMENT INC.

Client Sample ID: LEACHATE SUMP B

TOTAL Metals

Lot-Sample #...: D4C120246-001 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Arsenic	**120**	**10**	**ug/L**	**SW846 6010B**	**03/18-03/23/04**	**GA6MQ1A8**
		Dilution Factor: 1		Analysis Time..: 17:27	MDL.....: 4.9	
Cobalt	**22 J**	**10**	**ug/L**	**SW846 6010B**	**03/18-03/23/04**	**GA6MQ1CA**
		Dilution Factor: 1		Analysis Time..: 17:27	MDL.....: 0.67	
Antimony	ND	10	ug/L	SW846 6010B	03/18-03/23/04	GA6MQ1CC
		Dilution Factor: 1		Analysis Time..: 17:27	MDL.....: 3.6	
Selenium	ND	5.0	ug/L	SW846 6010B	03/18-03/23/04	GA6MQ1CD
		Dilution Factor: 1		Analysis Time..: 17:27	MDL.....: 4.6	
Beryllium	**1.6 B,J**	**5.0**	**ug/L**	**SW846 6010B**	**03/18-03/27/04**	**GA6MQ1CF**
		Dilution Factor: 1		Analysis Time..: 04:14	MDL.....: 0.41	
Barium	**3600**	**100**	**ug/L**	**SW846 6010B**	**03/18-03/23/04**	**GA6MQ1CG**
		Dilution Factor: 1		Analysis Time..: 17:27	MDL.....: 0.37	
Potassium	**190000**	**5000**	**ug/L**	**SW846 6010B**	**03/18-03/27/04**	**GA6MQ1CH**
		Dilution Factor: 1		Analysis Time..: 04:14	MDL.....: 460	
Prep Batch #...: 4077221						
Mercury	ND	2.0	ug/L	SW846 7470A	03/17/04	GA6MQ1CE
		Dilution Factor: 10		Analysis Time..: 21:02	MDL.....: 0.54	

NOTE(S):

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

B Estimated result. Result is less than RL.

WASTE MANAGEMENT INC.

Client Sample ID: LEACHATE SUMP B

General Chemistry

Lot-Sample #...: D4C120246-001 **Work Order #...:** GA6MQ **Matrix.....:** WATER
Date Sampled...: 03/11/04 13:05 **Date Received..:** 03/12/04

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Bicarbonate Alkalinity	**1900**	**5.0**	**mg/L**	**MCAWW 310.1**	**03/19/04**	**4080127**
		Dilution Factor: 1		Analysis Time..: 16:00	MDL.....: 1.5	
Chemical Oxygen Demand (COD)	**280 IC**	**16**	**mg/L**	**MCAWW 410.4**	**03/23-03/24/04**	**4084499**
		Dilution Factor: 2		Analysis Time..: 15:00	MDL.....: 5.8	
Chloride	**2600 Q**	**300**	**mg/L**	**MCAWW 300.0A**	**03/17-03/18/04**	**4078551**
		Dilution Factor: 100		Analysis Time..: 10:06	MDL.....: 20	
Fluoride	ND G	5.0	mg/L	MCAWW 300.0A	03/17-03/18/04	4078553
		Dilution Factor: 5		Analysis Time..: 09:15	MDL.....: 0.50	
Free Cyanide (4500-CN-I)	**0.0046 B**	**0.010**	**mg/L**	**SM18 4500-CN-I**	**03/16/04**	**4077305**
		Dilution Factor: 1		Analysis Time..: 15:00	MDL.....: 0.0039	
Hardness, as CaCO3	**2500 Q**	**62**	**mg/L**	**MCAWW 130.2**	**03/16/04**	**4076519**
		Dilution Factor: 12.5		Analysis Time..: 12:00	MDL.....: 25	
HEM (Oil and Grease)	**3.8 B**	**5.0**	**mg/L**	**CFR136A 1664A HEM**	**03/20/04**	**4080187**
		Dilution Factor: 1		Analysis Time..: 21:00	MDL.....: 1.0	
Specific Conductance	**11000 J**	**2.0**	**umhos/cm**	**MCAWW 120.1**	**03/22/04**	**4083169**
		Dilution Factor: 1		Analysis Time..: 16:30	MDL.....:	
Sulfate	ND G	25	mg/L	MCAWW 300.0A	03/17-03/18/04	4078552
		Dilution Factor: 5		Analysis Time..: 09:15	MDL.....: 1.0	
Total Alkalinity	**1900**	**5.0**	**mg/L**	**MCAWW 310.1**	**03/19/04**	**4080122**
		Dilution Factor: 1		Analysis Time..: 16:00	MDL.....: 1.5	
Total Cyanide	**0.11**	**0.010**	**mg/L**	**MCAWW 335.3**	**03/15/04**	**4075594**
		Dilution Factor: 1		Analysis Time..: 00:00	MDL.....: 0.0039	
Total Dissolved Solids	**6700 Q**	**40**	**mg/L**	**MCAWW 160.1**	**03/17/04**	**4077548**
		Dilution Factor: 4		Analysis Time..: 16:00	MDL.....: 12	

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WASTE MANAGEMENT INC.

Client Sample ID: LEACHATE SUMP B

General Chemistry

Lot-Sample #...: D4C120246-001 **Work Order #...:** GA6MQ **Matrix.....:** WATER

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon	**510 Q**	**20**	**mg/L**	**MCAWW 415.1**	**03/23/04**	**4084327**
	Dilution Factor: 20			Analysis Time..: 23:00	MDL.....: 10	
Total Organic Carbon 2	**520 Q**	**20**	**mg/L**	**MCAWW 415.1**	**03/23/04**	**4084327**
	Dilution Factor: 20			Analysis Time..: 23:00	MDL.....: 10	
Total Organic Halogens	**1600 C,Q**	**600**	**ug/L**	**SW846 9020B**	**03/24/04**	**4085458**
	Dilution Factor: 20			Analysis Time..: 12:00	MDL.....: 96	
Total Organic Halogens 2	**1500 C,Q**	**600**	**ug/L**	**SW846 9020B**	**03/24/04**	**4085458**
	Dilution Factor: 20			Analysis Time..: 12:00	MDL.....: 96	
Total Organic Halogens 3	**1900 C,Q**	**1200**	**ug/L**	**SW846 9020B**	**03/24-03/25/04**	**4085458**
	Dilution Factor: 40			Analysis Time..: 12:00	MDL.....: 190	
Total Organic Halogens 4	**1800 C,Q**	**1200**	**ug/L**	**SW846 9020B**	**03/24-03/25/04**	**4085458**
	Dilution Factor: 40			Analysis Time..: 12:00	MDL.....: 190	
Total Sulfide	ND	0.050	mg/L	MCAWW 376.2	03/18/04	4079241
	Dilution Factor: 1			Analysis Time..: 20:00	MDL.....: 0.0017	

NOTE(S):

RL Reporting Limit

IC Diluted due to high inorganic chloride.

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

G Elevated reporting limit. The reporting limit is elevated due to matrix interference.

B Estimated result. Result is less than RL.

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

C TOX exhibited carryover.

QC DATA ASSOCIATION SUMMARY

D4C120246

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	WATER	MCAWW 120.1		4083169	4083049
	WATER	MCAWW 130.2		4076519	4077180
	WATER	MCAWW 160.1		4077548	4082192
	WATER	MCAWW 300.0A		4078551	4079199
	WATER	MCAWW 300.0A		4078552	4079224
	WATER	MCAWW 300.0A		4078553	4079195
	WATER	MCAWW 415.1		4084327	4084175
	WATER	SM18 4500-CN-I		4077305	4077141
	WATER	CFR136A 1664A HEM		4080187	
	WATER	SW846 9020B		4085458	4085209
	WATER	SW846 7470A		4077221	4077092
	WATER	SW846 8260B		4083567	4083282
	WATER	SW846 8270C		4075233	4075098
	WATER	SW846 6010B		4076542	4076286
	WATER	MCAWW 376.2		4079241	4079099
	WATER	MCAWW 310.1		4080127	
	WATER	MCAWW 310.1		4080122	4082220
	WATER	MCAWW 335.3		4075594	4075305
	WATER	MCAWW 410.4		4084499	4084216

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: D4C120246 **Work Order #...:** GCRDC1AA **Matrix.....:** WATER
MB Lot-Sample #: D4C230000-567

Prep Date.....: 03/22/04 **Analysis Time..:** 20:22
Analysis Date..: 03/22/04 **Prep Batch #...:** 4083567
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Acetone	ND	34	ug/L	SW846 8260B
Benzene	ND	1.0	ug/L	SW846 8260B
Bromochloromethane	ND	10	ug/L	SW846 8260B
Bromodichloromethane	ND	5.0	ug/L	SW846 8260B
Bromoform	ND	5.0	ug/L	SW846 8260B
Bromomethane	ND	10	ug/L	SW846 8260B
Carbon tetrachloride	ND	0.50	ug/L	SW846 8260B
Chlorobenzene	ND	5.0	ug/L	SW846 8260B
Dibromochloromethane	ND	5.0	ug/L	SW846 8260B
Chloroethane	ND	10	ug/L	SW846 8260B
Chloroform	ND	5.0	ug/L	SW846 8260B
Chloromethane	ND	10	ug/L	SW846 8260B
Dibromomethane	ND	10	ug/L	SW846 8260B
1,2-Dichlorobenzene	ND	10	ug/L	SW846 8260B
1,4-Dichlorobenzene	ND	10	ug/L	SW846 8260B
Dichlorodifluoromethane	ND	10	ug/L	SW846 8260B
1,1-Dichloroethane	ND	5.0	ug/L	SW846 8260B
1,2-Dichloroethane	ND	5.0	ug/L	SW846 8260B
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260B
cis-1,2-Dichloroethene	ND	10	ug/L	SW846 8260B
trans-1,2-Dichloroethene	ND	10	ug/L	SW846 8260B
1,2-Dichloropropane	ND	5.0	ug/L	SW846 8260B
cis-1,3-Dichloropropene	ND	5.0	ug/L	SW846 8260B
trans-1,3-Dichloropropene	ND	5.0	ug/L	SW846 8260B
Ethylbenzene	ND	5.0	ug/L	SW846 8260B
Trichlorofluoromethane	ND	10	ug/L	SW846 8260B
2-Hexanone	ND	5.0	ug/L	SW846 8260B
Methylene chloride	**0.34 J**	**5.0**	**ug/L**	**SW846 8260B**
4-Methyl-2-pentanone	ND	10	ug/L	SW846 8260B
Styrene	ND	5.0	ug/L	SW846 8260B
1,1,1,2-Tetrachloroethane	ND	5.0	ug/L	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	5.0	ug/L	SW846 8260B
Tetrachloroethene	ND	5.0	ug/L	SW846 8260B
Toluene	ND	1.0	ug/L	SW846 8260B
1,1,1-Trichloroethane	ND	5.0	ug/L	SW846 8260B
1,1,2-Trichloroethane	ND	5.0	ug/L	SW846 8260B
Trichloroethene	ND	5.0	ug/L	SW846 8260B
1,2,3-Trichloropropane	ND	10	ug/L	SW846 8260B
Vinyl chloride	ND	1.0	ug/L	SW846 8260B
Xylenes (total)	ND	10	ug/L	SW846 8260B
1,2-Dibromo-3-chloropropane (DBCP)	ND	10	ug/L	SW846 8260B

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METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: D4C120246 **Work Order #...:** GCRDC1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
1,2-Dibromoethane (EDB)	ND	1.0	ug/L	SW846 8260B
2-Butanone (MEK)	ND	10	ug/L	SW846 8260B
Acrylonitrile	ND	100	ug/L	SW846 8260B
Carbon disulfide	ND	5.0	ug/L	SW846 8260B
trans-1,4-Dichloro-2-butene	ND	10	ug/L	SW846 8260B
Iodomethane	ND	10	ug/L	SW846 8260B
Vinyl acetate	ND	10	ug/L	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	97	(76 - 116)
1,2-Dichloroethane-d4	85	(59 - 129)
4-Bromofluorobenzene	100	(74 - 114)
Toluene-d8	99	(76 - 116)

NOTE(S):

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

J Estimated result. Result is less than RL.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: D4C120246 **Work Order #...:** GCRDC1AC **Matrix.....:** WATER
LCS Lot-Sample#: D4C230000-567
Prep Date.....: 03/22/04 **Analysis Date..:** 03/22/04
Prep Batch #...: 4083567 **Analysis Time..:** 20:02
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
1,1-Dichloroethene	**73**	**(67 - 125)**	**SW846 8260B**
Benzene	**95**	**(75 - 116)**	**SW846 8260B**
Chlorobenzene	**107**	**(77 - 117)**	**SW846 8260B**
Toluene	**97**	**(74 - 115)**	**SW846 8260B**
Trichloroethene	**108**	**(80 - 123)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	98	(76 - 116)
1,2-Dichloroethane-d4	85	(59 - 129)
4-Bromofluorobenzene	101	(74 - 114)
Toluene-d8	99	(76 - 116)

NOTE(S):

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: D4C120246 **Work Order #...:** GCRDC1AC **Matrix.....:** WATER
LCS Lot-Sample#: D4C230000-567
Prep Date.....: 03/22/04 **Analysis Date..:** 03/22/04
Prep Batch #...: 4083567 **Analysis Time..:** 20:02
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
1,1-Dichloroethene	**10.0**	**7.27**	**ug/L**	**73**	**SW846 8260B**
Benzene	**10.0**	**9.49**	**ug/L**	**95**	**SW846 8260B**
Chlorobenzene	**10.0**	**10.7**	**ug/L**	**107**	**SW846 8260B**
Toluene	**10.0**	**9.74**	**ug/L**	**97**	**SW846 8260B**
Trichloroethene	**10.0**	**10.8**	**ug/L**	**108**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	98	(76 - 116)
1,2-Dichloroethane-d4	85	(59 - 129)
4-Bromofluorobenzene	101	(74 - 114)
Toluene-d8	99	(76 - 116)

NOTE(S):

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

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: D4C120246 **Work Order #...:** GCPK81AC-MS **Matrix.....:** WATER
MS Lot-Sample #: D4B270119-045 GCPK81AD-MSD
Date Sampled...: 03/22/04 07:00 **Date Received..:** 03/22/04
Prep Date.....: 03/22/04 **Analysis Date..:** 03/22/04
Prep Batch #...: 4083567 **Analysis Time..:** 21:48
Dilution Factor: 100

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	**71**	**(67 - 125)**			**SW846 8260B**
	74	**(67 - 125)**	**4.6**	**(0-20)**	**SW846 8260B**
Benzene	**89**	**(75 - 116)**			**SW846 8260B**
	94	**(75 - 116)**	**4.7**	**(0-20)**	**SW846 8260B**
Chlorobenzene	**97**	**(77 - 117)**			**SW846 8260B**
	103	**(77 - 117)**	**5.8**	**(0-20)**	**SW846 8260B**
Toluene	**91**	**(74 - 115)**			**SW846 8260B**
	95	**(74 - 115)**	**5.0**	**(0-20)**	**SW846 8260B**
Trichloroethene	**101**	**(80 - 123)**			**SW846 8260B**
	119	**(80 - 123)**	**4.4**	**(0-20)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	85	(76 - 116)
	90	(76 - 116)
1,2-Dichloroethane-d4	73	(59 - 129)
	77	(59 - 129)
4-Bromofluorobenzene	87	(74 - 114)
	93	(74 - 114)
Toluene-d8	87	(76 - 116)
	92	(76 - 116)

NOTE(S):

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

Bold print denotes control parameters

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: D4C120246 **Work Order #...:** GCPK81AC-MS **Matrix.....:** WATER
MS Lot-Sample #: D4B270119-045 GCPK81AD-MSD
Date Sampled...: 03/22/04 07:00 **Date Received..:** 03/22/04
Prep Date.....: 03/22/04 **Analysis Date..:** 03/22/04
Prep Batch #...: 4083567 **Analysis Time..:** 21:48
Dilution Factor: 100

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
1,1-Dichloroethene	**ND**	**1000**	**708**	**ug/L**	**71**		**SW846 8260B**
	ND	**1000**	**742**	**ug/L**	**74**	**4.6**	**SW846 8260B**
Benzene	**ND**	**1000**	**895**	**ug/L**	**89**		**SW846 8260B**
	ND	**1000**	**937**	**ug/L**	**94**	**4.7**	**SW846 8260B**
Chlorobenzene	**ND**	**1000**	**970**	**ug/L**	**97**		**SW846 8260B**
	ND	**1000**	**1030**	**ug/L**	**103**	**5.8**	**SW846 8260B**
Toluene	**ND**	**1000**	**906**	**ug/L**	**91**		**SW846 8260B**
	ND	**1000**	**953**	**ug/L**	**95**	**5.0**	**SW846 8260B**
Trichloroethene	**3000**	**1000**	**4020**	**ug/L**	**101**		**SW846 8260B**
	3000	**1000**	**4200**	**ug/L**	**119**	**4.4**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	85	(76 - 116)
	90	(76 - 116)
1,2-Dichloroethane-d4	73	(59 - 129)
	77	(59 - 129)
4-Bromofluorobenzene	87	(74 - 114)
	93	(74 - 114)
Toluene-d8	87	(76 - 116)
	92	(76 - 116)

NOTE(S):

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

Bold print denotes control parameters

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: D4C120246 **Work Order #...:** GA84E1AA **Matrix.....:** WATER
MB Lot-Sample #: D4C150000-233

Prep Date.....: 03/15/04 **Analysis Time..:** 16:42
Analysis Date..: 03/19/04 **Prep Batch #...:** 4075233
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Acenaphthene	ND	10	ug/L	SW846 8270C
Acenaphthylene	ND	10	ug/L	SW846 8270C
Acetophenone	ND	10	ug/L	SW846 8270C
2-Acetylaminofluorene	ND	100	ug/L	SW846 8270C
4-Aminobiphenyl	ND	50	ug/L	SW846 8270C
Anthracene	ND	10	ug/L	SW846 8270C
Benzo(a)anthracene	ND	10	ug/L	SW846 8270C
Benzo(b)fluoranthene	ND	10	ug/L	SW846 8270C
Benzo(k)fluoranthene	ND	10	ug/L	SW846 8270C
Benzo(ghi)perylene	ND	10	ug/L	SW846 8270C
Benzo(a)pyrene	ND	10	ug/L	SW846 8270C
Benzyl alcohol	ND	10	ug/L	SW846 8270C
bis(2-Chloroethoxy) methane	ND	10	ug/L	SW846 8270C
bis(2-Chloroethyl)-ether	ND	10	ug/L	SW846 8270C
bis(2-Ethylhexyl) phthalate	ND	10	ug/L	SW846 8270C
4-Bromophenyl phenyl ether	ND	10	ug/L	SW846 8270C
Butyl benzyl phthalate	ND	10	ug/L	SW846 8270C
4-Chloroaniline	ND	10	ug/L	SW846 8270C
Chlorobenzilate	ND	10	ug/L	SW846 8270C
4-Chloro-3-methylphenol	ND	10	ug/L	SW846 8270C
2-Chloronaphthalene	ND	10	ug/L	SW846 8270C
2-Chlorophenol	ND	10	ug/L	SW846 8270C
4-Chlorophenyl phenyl ether	ND	10	ug/L	SW846 8270C
Chrysene	ND	10	ug/L	SW846 8270C
Diallate	ND	20	ug/L	SW846 8270C
Dibenz(a,h)anthracene	ND	10	ug/L	SW846 8270C
Dibenzofuran	ND	10	ug/L	SW846 8270C
Di-n-butyl phthalate	ND	10	ug/L	SW846 8270C
3,3'-Dichlorobenzidine	ND	50	ug/L	SW846 8270C
2,4-Dichlorophenol	ND	10	ug/L	SW846 8270C
2,6-Dichlorophenol	ND	10	ug/L	SW846 8270C
Diethyl phthalate	ND	10	ug/L	SW846 8270C
Dimethoate	ND	20	ug/L	SW846 8270C
4-Dimethylaminoazobenzene	ND	20	ug/L	SW846 8270C
7,12-Dimethylbenz(a)-anthracene	ND	20	ug/L	SW846 8270C

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METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: D4C120246 **Work Order #...:** GA84E1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
3,3'-Dimethylbenzidine	ND	20	ug/L	SW846 8270C
2,4-Dimethylphenol	ND	10	ug/L	SW846 8270C
Dimethyl phthalate	ND	10	ug/L	SW846 8270C
1,3-Dinitrobenzene	ND	10	ug/L	SW846 8270C
4,6-Dinitro-2-methylphenol	ND	50	ug/L	SW846 8270C
2,4-Dinitrophenol	ND	50	ug/L	SW846 8270C
2,4-Dinitrotoluene	ND	10	ug/L	SW846 8270C
2,6-Dinitrotoluene	ND	10	ug/L	SW846 8270C
Dinoseb	ND	10	ug/L	SW846 8270C
Di-n-octyl phthalate	ND	10	ug/L	SW846 8270C
Diphenylamine	ND	10	ug/L	SW846 8270C
Disulfoton	ND	50	ug/L	SW846 8270C
Ethyl methanesulfonate	ND	10	ug/L	SW846 8270C
Famphur	ND	200	ug/L	SW846 8270C
Fluoranthene	ND	10	ug/L	SW846 8270C
Fluorene	ND	10	ug/L	SW846 8270C
Hexachlorobenzene	ND	10	ug/L	SW846 8270C
Hexachlorobutadiene	ND	10	ug/L	SW846 8270C
Hexachlorocyclopentadiene	ND	50	ug/L	SW846 8270C
Hexachloroethane	ND	10	ug/L	SW846 8270C
Hexachloropropene	ND	100	ug/L	SW846 8270C
Indeno(1,2,3-cd)pyrene	ND	10	ug/L	SW846 8270C
Isodrin	ND	10	ug/L	SW846 8270C
Isophorone	ND	10	ug/L	SW846 8270C
Isosafrole	ND	20	ug/L	SW846 8270C
Methapyrilene	ND	50	ug/L	SW846 8270C
3-Methylcholanthrene	ND	20	ug/L	SW846 8270C
Methyl methanesulfonate	ND	10	ug/L	SW846 8270C
2-Methylnaphthalene	ND	10	ug/L	SW846 8270C
Methyl parathion	ND	50	ug/L	SW846 8270C
2-Methylphenol	ND	10	ug/L	SW846 8270C
3-Methylphenol & 4-Methylphenol	ND	10	ug/L	SW846 8270C
Naphthalene	ND	10	ug/L	SW846 8270C
1,4-Naphthoquinone	ND	50	ug/L	SW846 8270C
1-Naphthylamine	ND	10	ug/L	SW846 8270C
2-Naphthylamine	ND	10	ug/L	SW846 8270C
2-Nitroaniline	ND	50	ug/L	SW846 8270C
3-Nitroaniline	ND	50	ug/L	SW846 8270C
4-Nitroaniline	ND	50	ug/L	SW846 8270C
Nitrobenzene	ND	10	ug/L	SW846 8270C
2-Nitrophenol	ND	10	ug/L	SW846 8270C
4-Nitrophenol	ND	50	ug/L	SW846 8270C

(Continued on next page)

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: D4C120246 **Work Order #...:** GA84E1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
N-Nitrosodi-n-butylamine	ND	10	ug/L	SW846 8270C
N-Nitrosodiethylamine	ND	10	ug/L	SW846 8270C
N-Nitrosodimethylamine	ND	10	ug/L	SW846 8270C
N-Nitrosodiphenylamine	ND	10	ug/L	SW846 8270C
N-Nitrosodi-n-propyl-amine	ND	10	ug/L	SW846 8270C
N-Nitrosomethylethylamine	ND	10	ug/L	SW846 8270C
N-Nitrosopiperidine	ND	10	ug/L	SW846 8270C
N-Nitrosopyrrolidine	ND	10	ug/L	SW846 8270C
5-Nitro-o-toluidine	ND	20	ug/L	SW846 8270C
2,2'-oxybis(1-Chloropropa	ND	10	ug/L	SW846 8270C
Parathion	ND	50	ug/L	SW846 8270C
Pentachlorobenzene	ND	10	ug/L	SW846 8270C
Pentachloronitrobenzene	ND	50	ug/L	SW846 8270C
Pentachlorophenol	ND	50	ug/L	SW846 8270C
Phenacetin	ND	20	ug/L	SW846 8270C
Phenanthrene	ND	10	ug/L	SW846 8270C
Phenol	ND	10	ug/L	SW846 8270C
4-Phenylenediamine	ND	100	ug/L	SW846 8270C
Phorate	ND	50	ug/L	SW846 8270C
Pronamide	ND	20	ug/L	SW846 8270C
Pyrene	ND	10	ug/L	SW846 8270C
Safrole	ND	50	ug/L	SW846 8270C
1,2,4,5-Tetrachloro-benzene	ND	10	ug/L	SW846 8270C
2,3,4,6-Tetrachlorophenol	ND	50	ug/L	SW846 8270C
Thionazin	ND	10	ug/L	SW846 8270C
o-Toluidine	ND	10	ug/L	SW846 8270C
1,2,4-Trichloro-benzene	ND	10	ug/L	SW846 8270C
2,4,5-Trichloro-phenol	ND	10	ug/L	SW846 8270C
2,4,6-Trichloro-phenol	ND	10	ug/L	SW846 8270C
O,O,O-Triethylphosphoro-thioate	ND	50	ug/L	SW846 8270C
1,3,5-Trinitrobenzene	ND	50	ug/L	SW846 8270C

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	74	(32 - 116)
Phenol-d5	77	(40 - 111)
Nitrobenzene-d5	76	(53 - 107)
2-Fluorobiphenyl	51	(31 - 105)
2,4,6-Tribromophenol	68	(42 - 122)

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METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: D4C120246 **Work Order #...:** GA84E1AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Terphenyl-d14	71	(21 - 125)		

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: D4C120246 **Work Order #...:** GA84E1AC **Matrix.....:** WATER
LCS Lot-Sample#: D4C150000-233
Prep Date.....: 03/15/04 **Analysis Date..:** 03/19/04
Prep Batch #...: 4075233 **Analysis Time..:** 17:08
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Acenaphthene	**84**	**(55 - 97)**	**SW846 8270C**
1,4-Dichlorobenzene	**62**	**(31 - 98)**	**SW846 8270C**
4-Chloro-3-methylphenol	**97**	**(59 - 106)**	**SW846 8270C**
2-Chlorophenol	**94**	**(59 - 105)**	**SW846 8270C**
2,4-Dinitrotoluene	**93**	**(57 - 113)**	**SW846 8270C**
4-Nitrophenol	**91**	**(43 - 118)**	**SW846 8270C**
N-Nitrosodi-n-propyl-amine	**90**	**(51 - 99)**	**SW846 8270C**
Pentachlorophenol	**87**	**(48 - 114)**	**SW846 8270C**
Phenol	**95**	**(56 - 106)**	**SW846 8270C**
Pyrene	**89**	**(51 - 103)**	**SW846 8270C**
1,2,4-Trichloro-benzene	**65**	**(36 - 99)**	**SW846 8270C**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	83	(54 - 105)
Phenol-d5	89	(55 - 106)
Nitrobenzene-d5	88	(58 - 108)
2-Fluorobiphenyl	74	(53 - 97)
2,4,6-Tribromophenol	85	(62 - 113)
Terphenyl-d14	90	(55 - 109)

NOTE(S):

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: D4C120246 **Work Order #...:** GA84E1AC **Matrix.....:** WATER
LCS Lot-Sample#: D4C150000-233
Prep Date.....: 03/15/04 **Analysis Date..:** 03/19/04
Prep Batch #...: 4075233 **Analysis Time..:** 17:08
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
Acenaphthene	**100**	**84.1**	**ug/L**	**84**	**SW846 8270C**
1,4-Dichlorobenzene	**100**	**61.8**	**ug/L**	**62**	**SW846 8270C**
4-Chloro-3-methylphenol	**150**	**145**	**ug/L**	**97**	**SW846 8270C**
2-Chlorophenol	**150**	**141**	**ug/L**	**94**	**SW846 8270C**
2,4-Dinitrotoluene	**100**	**93.0**	**ug/L**	**93**	**SW846 8270C**
4-Nitrophenol	**150**	**136**	**ug/L**	**91**	**SW846 8270C**
N-Nitrosodi-n-propyl-amine	**100**	**89.8**	**ug/L**	**90**	**SW846 8270C**
Pentachlorophenol	**150**	**131**	**ug/L**	**87**	**SW846 8270C**
Phenol	**150**	**142**	**ug/L**	**95**	**SW846 8270C**
Pyrene	**100**	**89.3**	**ug/L**	**89**	**SW846 8270C**
1,2,4-Trichloro-benzene	**100**	**65.1**	**ug/L**	**65**	**SW846 8270C**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	83	(54 - 105)
Phenol-d5	89	(55 - 106)
Nitrobenzene-d5	88	(58 - 108)
2-Fluorobiphenyl	74	(53 - 97)
2,4,6-Tribromophenol	85	(62 - 113)
Terphenyl-d14	90	(55 - 109)

NOTE(S):

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

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: D4C120246 **Work Order #...:** GA7F11DK-MS **Matrix.....:** WATER
MS Lot-Sample #: D4C120332-003 GA7F11DL-MSD
Date Sampled...: 03/11/04 10:31 **Date Received..:** 03/12/04
Prep Date.....: 03/15/04 **Analysis Date..:** 03/19/04
Prep Batch #...: 4075233 **Analysis Time..:** 19:42
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Acenaphthene	**80**	**(50 - 96)**			**SW846 8270C**
	88	**(50 - 96)**	**12**	**(0-40)**	**SW846 8270C**
1,4-Dichlorobenzene	**68**	**(41 - 92)**			**SW846 8270C**
	73	**(41 - 92)**	**11**	**(0-30)**	**SW846 8270C**
4-Chloro-3-methylphenol	**82**	**(49 - 102)**			**SW846 8270C**
	81	**(49 - 102)**	**1.6**	**(0-40)**	**SW846 8270C**
2-Chlorophenol	**86**	**(49 - 98)**			**SW846 8270C**
	90	**(49 - 98)**	**6.9**	**(0-40)**	**SW846 8270C**
2,4-Dinitrotoluene	**96**	**(51 - 106)**			**SW846 8270C**
	106	**(51 - 106)**	**12**	**(0-40)**	**SW846 8270C**
4-Nitrophenol	**93**	**(34 - 116)**			**SW846 8270C**
	103	**(34 - 116)**	**12**	**(0-40)**	**SW846 8270C**
N-Nitrosodi-n-propyl-amine	**87**	**(46 - 101)**			**SW846 8270C**
	79	**(46 - 101)**	**7.5**	**(0-40)**	**SW846 8270C**
Pentachlorophenol	**86**	**(34 - 116)**			**SW846 8270C**
	93	**(34 - 116)**	**10**	**(0-40)**	**SW846 8270C**
Phenol	**84**	**(46 - 98)**			**SW846 8270C**
	87	**(46 - 98)**	**6.0**	**(0-40)**	**SW846 8270C**
Pyrene	**86**	**(39 - 103)**			**SW846 8270C**
	91	**(39 - 103)**	**8.4**	**(0-40)**	**SW846 8270C**
1,2,4-Trichloro-benzene	**73**	**(46 - 92)**			**SW846 8270C**
	81	**(46 - 92)**	**13**	**(0-40)**	**SW846 8270C**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	73	(32 - 116)
	74	(32 - 116)
Phenol-d5	81	(40 - 111)
	83	(40 - 111)
Nitrobenzene-d5	85	(53 - 107)
	89	(53 - 107)
2-Fluorobiphenyl	71	(31 - 105)
	73	(31 - 105)
2,4,6-Tribromophenol	76	(42 - 122)
	76	(42 - 122)

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MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: D4C120246 **Work Order #...:** GA7F11DK-MS **Matrix.....:** WATER
MS Lot-Sample #: D4C120332-003 GA7F11DL-MSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Terphenyl-d14	89	(21 - 125)
	97	(21 - 125)

NOTE(S):

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

Bold print denotes control parameters

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: D4C120246 **Work Order #...:** GA7F11DK-MS **Matrix.....:** WATER
MS Lot-Sample #: D4C120332-003 GA7F11DL-MSD
Date Sampled...: 03/11/04 10:31 **Date Received..:** 03/12/04
Prep Date.....: 03/15/04 **Analysis Date..:** 03/19/04
Prep Batch #...: 4075233 **Analysis Time..:** 19:42
Dilution Factor: 1

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
Acenaphthene	ND	104	82.9	ug/L	80		SW846 8270C
	ND	106	93.0	ug/L	88	12	SW846 8270C
1,4-Dichlorobenzene	ND	104	69.9	ug/L	68		SW846 8270C
	ND	106	77.7	ug/L	73	11	SW846 8270C
4-Chloro-3-methylphenol	ND	155	127	ug/L	82		SW846 8270C
	ND	159	130	ug/L	81	1.6	SW846 8270C
2-Chlorophenol	ND	155	134	ug/L	86		SW846 8270C
	ND	159	143	ug/L	90	6.9	SW846 8270C
2,4-Dinitrotoluene	ND	104	99.8	ug/L	96		SW846 8270C
	ND	106	112	ug/L	106	12	SW846 8270C
4-Nitrophenol	ND	155	144	ug/L	93		SW846 8270C
	ND	159	163	ug/L	103	12	SW846 8270C
N-Nitrosodi-n-propyl-amine	ND	104	90.1	ug/L	87		SW846 8270C
	ND	106	83.5	ug/L	79	7.5	SW846 8270C
Pentachlorophenol	ND	155	134	ug/L	86		SW846 8270C
	ND	159	148	ug/L	93	10	SW846 8270C
Phenol	ND	155	130	ug/L	84		SW846 8270C
	ND	159	138	ug/L	87	6.0	SW846 8270C
Pyrene	ND	104	89.2	ug/L	86		SW846 8270C
	ND	106	97.1	ug/L	91	8.4	SW846 8270C
1,2,4-Trichloro-benzene	ND	104	75.4	ug/L	73		SW846 8270C
	ND	106	86.2	ug/L	81	13	SW846 8270C

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	73	(32 - 116)
	74	(32 - 116)
Phenol-d5	81	(40 - 111)
	83	(40 - 111)
Nitrobenzene-d5	85	(53 - 107)
	89	(53 - 107)
2-Fluorobiphenyl	71	(31 - 105)
	73	(31 - 105)
2,4,6-Tribromophenol	76	(42 - 122)
	76	(42 - 122)

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MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: D4C120246 **Work Order #...:** GA7F11DK-MS **Matrix.....:** WATER
MS Lot-Sample #: D4C120332-003 GA7F11DL-MSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Terphenyl-d14	89	(21 - 125)
	97	(21 - 125)

NOTE(S):

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

Bold print denotes control parameters

METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: D4C120246 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: D4C160000-542 **Prep Batch #...:** 4076542						
Boron	ND	100	ug/L	SW846 6010B	03/18-03/27/04	GCDE31AF
		Dilution Factor: 1				
		Analysis Time..: 04:06				
Manganese	ND	10	ug/L	SW846 6010B	03/18-03/23/04	GCDE31AM
		Dilution Factor: 1				
		Analysis Time..: 17:18				
Sodium	**1500 B**	**5000**	**ug/L**	**SW846 6010B**	**03/18-03/27/04**	**GCDE31AQ**
		Dilution Factor: 1				
		Analysis Time..: 04:06				
Calcium	ND	200	ug/L	SW846 6010B	03/18-03/27/04	GCDE31AG
		Dilution Factor: 1				
		Analysis Time..: 04:06				
Magnesium	ND	200	ug/L	SW846 6010B	03/18-03/27/04	GCDE31AL
		Dilution Factor: 1				
		Analysis Time..: 04:06				
Iron	ND	100	ug/L	SW846 6010B	03/18-03/27/04	GCDE31AK
		Dilution Factor: 1				
		Analysis Time..: 04:06				
Zinc	ND	20	ug/L	SW846 6010B	03/18-03/23/04	GCDE31AU
		Dilution Factor: 1				
		Analysis Time..: 17:18				
Silver	ND	10	ug/L	SW846 6010B	03/18-03/23/04	GCDE31A4
		Dilution Factor: 1				
		Analysis Time..: 17:18				
Cadmium	ND	5.0	ug/L	SW846 6010B	03/18-03/23/04	GCDE31AA
		Dilution Factor: 1				
		Analysis Time..: 17:18				
Chromium	ND	10	ug/L	SW846 6010B	03/18-03/23/04	GCDE31AH
		Dilution Factor: 1				
		Analysis Time..: 17:18				
Copper	**4.4 B**	**10**	**ug/L**	**SW846 6010B**	**03/18-03/23/04**	**GCDE31AJ**
		Dilution Factor: 1				
		Analysis Time..: 17:18				

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METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: D4C120246 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Nickel	ND	40	ug/L	SW846 6010B	03/18-03/23/04	GCDE31AN
		Dilution Factor: 1				
		Analysis Time..: 17:18				
Lead	ND	3.0	ug/L	SW846 6010B	03/18-03/23/04	GCDE31AW
		Dilution Factor: 1				
		Analysis Time..: 17:18				
Arsenic	ND	10	ug/L	SW846 6010B	03/18-03/23/04	GCDE31AV
		Dilution Factor: 1				
		Analysis Time..: 17:18				
Cobalt	**1.0 B**	**10**	**ug/L**	**SW846 6010B**	**03/18-03/23/04**	**GCDE31A2**
		Dilution Factor: 1				
		Analysis Time..: 17:18				
Antimony	ND	10	ug/L	SW846 6010B	03/18-03/23/04	GCDE31A0
		Dilution Factor: 1				
		Analysis Time..: 17:18				
Selenium	ND	5.0	ug/L	SW846 6010B	03/18-03/23/04	GCDE31AX
		Dilution Factor: 1				
		Analysis Time..: 17:18				
Beryllium	**0.77 B**	**5.0**	**ug/L**	**SW846 6010B**	**03/18-03/27/04**	**GCDE31AE**
		Dilution Factor: 1				
		Analysis Time..: 04:06				
Barium	ND	100	ug/L	SW846 6010B	03/18-03/23/04	GCDE31AD
		Dilution Factor: 1				
		Analysis Time..: 17:18				
Potassium	ND	5000	ug/L	SW846 6010B	03/18-03/27/04	GCDE31AP
		Dilution Factor: 1				
		Analysis Time..: 04:06				

MB Lot-Sample #: D4C170000-221 **Prep Batch #...:** 4077221

Mercury	ND	0.20	ug/L	SW846 7470A	03/17/04	GCDN61AA
		Dilution Factor: 1				
		Analysis Time..: 20:40				

NOTE(S):

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

B Estimated result. Result is less than RL.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: D4C120246 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: D4C160000-542 **Prep Batch #...:** 4076542					
Boron	103	(89 - 110)	SW846 6010B	03/18-03/27/04	GCDE31CA
		Dilution Factor: 1	Analysis Time..: 04:10		
Manganese	106	(90 - 110)	SW846 6010B	03/18-03/23/04	GCDE31CH
		Dilution Factor: 1	Analysis Time..: 17:23		
Sodium	102	(91 - 112)	SW846 6010B	03/18-03/27/04	GCDE31CL
		Dilution Factor: 1	Analysis Time..: 04:10		
Calcium	105	(89 - 110)	SW846 6010B	03/18-03/27/04	GCDE31CC
		Dilution Factor: 1	Analysis Time..: 04:10		
Magnesium	101	(91 - 111)	SW846 6010B	03/18-03/27/04	GCDE31CG
		Dilution Factor: 1	Analysis Time..: 04:10		
Iron	105	(88 - 110)	SW846 6010B	03/18-03/27/04	GCDE31CF
		Dilution Factor: 1	Analysis Time..: 04:10		
Zinc	100	(85 - 110)	SW846 6010B	03/18-03/23/04	GCDE31CP
		Dilution Factor: 1	Analysis Time..: 17:23		
Silver	109	(85 - 114)	SW846 6010B	03/18-03/23/04	GCDE31C0
		Dilution Factor: 1	Analysis Time..: 17:23		
Cadmium	101	(89 - 110)	SW846 6010B	03/18-03/23/04	GCDE31A6
		Dilution Factor: 1	Analysis Time..: 17:23		
Chromium	106	(89 - 112)	SW846 6010B	03/18-03/23/04	GCDE31CD
		Dilution Factor: 1	Analysis Time..: 17:23		
Copper	106	(86 - 110)	SW846 6010B	03/18-03/23/04	GCDE31CE
		Dilution Factor: 1	Analysis Time..: 17:23		
Nickel	103	(90 - 110)	SW846 6010B	03/18-03/23/04	GCDE31CJ
		Dilution Factor: 1	Analysis Time..: 17:23		
Lead	104	(91 - 111)	SW846 6010B	03/18-03/23/04	GCDE31CR
		Dilution Factor: 1	Analysis Time..: 17:23		
Arsenic	103	(89 - 109)	SW846 6010B	03/18-03/23/04	GCDE31CQ
		Dilution Factor: 1	Analysis Time..: 17:23		

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: D4C120246 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Cobalt	103	(86 - 107)	SW846 6010B	03/18-03/23/04	GCDE31CW
		Dilution Factor: 1	Analysis Time..: 17:23		
Antimony	101	(88 - 108)	SW846 6010B	03/18-03/23/04	GCDE31CU
		Dilution Factor: 1	Analysis Time..: 17:23		
Selenium	105	(88 - 110)	SW846 6010B	03/18-03/23/04	GCDE31CT
		Dilution Factor: 1	Analysis Time..: 17:23		
Beryllium	110	(88 - 112)	SW846 6010B	03/18-03/27/04	GCDE31A9
		Dilution Factor: 1	Analysis Time..: 04:10		
Barium	108	(93 - 113)	SW846 6010B	03/18-03/23/04	GCDE31A8
		Dilution Factor: 1	Analysis Time..: 17:23		
Potassium	96	(86 - 111)	SW846 6010B	03/18-03/27/04	GCDE31CK
		Dilution Factor: 1	Analysis Time..: 04:10		

LCS Lot-Sample#: D4C170000-221 **Prep Batch #...:** 4077221

Mercury	97	(84 - 114)	SW846 7470A	03/17/04	GCDN61AC
		Dilution Factor: 1	Analysis Time..: 20:42		

NOTE(S):

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

LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: D4C120246 **Matrix.....:** WATER

LCS Lot-Sample#: D4C160000-542 **Prep Batch #...:** 4076542

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Boron	1000	1030	ug/L	103	SW846 6010B	03/18-03/27/04	GCDE31CA
			Dilution Factor: 1		Analysis Time..: 04:10		
Manganese	500	528	ug/L	106	SW846 6010B	03/18-03/23/04	GCDE31CH
			Dilution Factor: 1		Analysis Time..: 17:23		
Sodium	50000	50800	ug/L	102	SW846 6010B	03/18-03/27/04	GCDE31CL
			Dilution Factor: 1		Analysis Time..: 04:10		
Calcium	50000	52400	ug/L	105	SW846 6010B	03/18-03/27/04	GCDE31CC
			Dilution Factor: 1		Analysis Time..: 04:10		
Magnesium	50000	50500	ug/L	101	SW846 6010B	03/18-03/27/04	GCDE31CG
			Dilution Factor: 1		Analysis Time..: 04:10		
Iron	1000	1050	ug/L	105	SW846 6010B	03/18-03/27/04	GCDE31CF
			Dilution Factor: 1		Analysis Time..: 04:10		
Zinc	500	502	ug/L	100	SW846 6010B	03/18-03/23/04	GCDE31CP
			Dilution Factor: 1		Analysis Time..: 17:23		
Silver	50.0	54.7	ug/L	109	SW846 6010B	03/18-03/23/04	GCDE31C0
			Dilution Factor: 1		Analysis Time..: 17:23		
Cadmium	50.0	50.6	ug/L	101	SW846 6010B	03/18-03/23/04	GCDE31A6
			Dilution Factor: 1		Analysis Time..: 17:23		
Chromium	200	213	ug/L	106	SW846 6010B	03/18-03/23/04	GCDE31CD
			Dilution Factor: 1		Analysis Time..: 17:23		
Copper	250	265	ug/L	106	SW846 6010B	03/18-03/23/04	GCDE31CE
			Dilution Factor: 1		Analysis Time..: 17:23		
Nickel	500	517	ug/L	103	SW846 6010B	03/18-03/23/04	GCDE31CJ
			Dilution Factor: 1		Analysis Time..: 17:23		
Lead	500	518	ug/L	104	SW846 6010B	03/18-03/23/04	GCDE31CR
			Dilution Factor: 1		Analysis Time..: 17:23		
Arsenic	2000	2050	ug/L	103	SW846 6010B	03/18-03/23/04	GCDE31CQ
			Dilution Factor: 1		Analysis Time..: 17:23		

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LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: D4C120246 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Cobalt	500	516	ug/L	103	SW846 6010B	03/18-03/23/04	GCDE31CW
			Dilution Factor: 1		Analysis Time..: 17:23		
Antimony	500	504	ug/L	101	SW846 6010B	03/18-03/23/04	GCDE31CU
			Dilution Factor: 1		Analysis Time..: 17:23		
Selenium	2000	2090	ug/L	105	SW846 6010B	03/18-03/23/04	GCDE31CT
			Dilution Factor: 1		Analysis Time..: 17:23		
Beryllium	50.0	54.8	ug/L	110	SW846 6010B	03/18-03/27/04	GCDE31A9
			Dilution Factor: 1		Analysis Time..: 04:10		
Barium	2000	2150	ug/L	108	SW846 6010B	03/18-03/23/04	GCDE31A8
			Dilution Factor: 1		Analysis Time..: 17:23		
Potassium	50000	48000	ug/L	96	SW846 6010B	03/18-03/27/04	GCDE31CK
			Dilution Factor: 1		Analysis Time..: 04:10		

LCS Lot-Sample#: D4C170000-221 **Prep Batch #...:** 4077221

Mercury	5.00	4.84	ug/L	97	SW846 7470A	03/17/04	GCDN61AC
			Dilution Factor: 1		Analysis Time..: 20:42		

NOTE(S):

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

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: D4C120246 **Matrix.....:** WATER
Date Sampled...: 03/12/04 12:00 **Date Received..:** 03/13/04

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D4C130140-001 **Prep Batch #...:** 4076542							
Boron	NC,MSB	(87 - 113)			SW846 6010B	03/18-03/27/04	GA7821CX
	NC,MSB	(87 - 113)		(0-25)	SW846 6010B	03/18-03/27/04	GA7821C0
		Dilution Factor: 1					
		Analysis Time..: 04:32					
Manganese	105	(79 - 121)			SW846 6010B	03/18-03/23/04	GA7821DC
	100	(79 - 121)	1.6	(0-25)	SW846 6010B	03/18-03/23/04	GA7821DD
		Dilution Factor: 1					
		Analysis Time..: 18:30					
Sodium	NC,MSB	(70 - 203)			SW846 6010B	03/18-03/27/04	GA7821DJ
	NC,MSB	(70 - 203)		(0-40)	SW846 6010B	03/18-03/27/04	GA7821DK
		Dilution Factor: 1					
		Analysis Time..: 04:32					
Calcium	130	(48 - 153)			SW846 6010B	03/18-03/27/04	GA7821C1
	111	(48 - 153)	4.1	(0-25)	SW846 6010B	03/18-03/27/04	GA7821C2
		Dilution Factor: 1					
		Analysis Time..: 04:32					
Magnesium	NC,MSB	(62 - 146)			SW846 6010B	03/18-03/27/04	GA7821C9
	NC,MSB	(62 - 146)		(0-25)	SW846 6010B	03/18-03/27/04	GA7821DA
		Dilution Factor: 1					
		Analysis Time..: 04:32					
Iron	118	(52 - 155)			SW846 6010B	03/18-03/27/04	GA7821C7
	105	(52 - 155)	4.5	(0-25)	SW846 6010B	03/18-03/27/04	GA7821C8
		Dilution Factor: 1					
		Analysis Time..: 04:32					
Zinc	99	(60 - 137)			SW846 6010B	03/18-03/23/04	GA7821DQ
	97	(60 - 137)	1.8	(0-25)	SW846 6010B	03/18-03/23/04	GA7821DR
		Dilution Factor: 1					
		Analysis Time..: 18:30					
Silver	119	(75 - 141)			SW846 6010B	03/18-03/23/04	GA7821D9
	115	(75 - 141)	3.4	(0-25)	SW846 6010B	03/18-03/23/04	GA7821EA
		Dilution Factor: 1					
		Analysis Time..: 18:30					

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MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: D4C120246 **Matrix.....:** WATER
Date Sampled...: 03/12/04 12:00 **Date Received..:** 03/13/04

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Cadmium	95	(82 - 119)			SW846 6010B	03/18-03/23/04	GA7821CN
	92	(82 - 119)	2.5	(0-25)	SW846 6010B	03/18-03/23/04	GA7821CP
		Dilution Factor: 1					
		Analysis Time..: 18:30					
Chromium	101	(73 - 135)			SW846 6010B	03/18-03/23/04	GA7821C3
	99	(73 - 135)	1.8	(0-25)	SW846 6010B	03/18-03/23/04	GA7821C4
		Dilution Factor: 1					
		Analysis Time..: 18:30					
Copper	111	(82 - 129)			SW846 6010B	03/18-03/23/04	GA7821C5
	108	(82 - 129)	2.7	(0-25)	SW846 6010B	03/18-03/23/04	GA7821C6
		Dilution Factor: 1					
		Analysis Time..: 18:30					
Nickel	97	(84 - 120)			SW846 6010B	03/18-03/23/04	GA7821DE
	95	(84 - 120)	2.1	(0-25)	SW846 6010B	03/18-03/23/04	GA7821DF
		Dilution Factor: 1					
		Analysis Time..: 18:30					
Lead	103	(89 - 121)			SW846 6010B	03/18-03/23/04	GA7821DV
	100	(89 - 121)	3.1	(0-25)	SW846 6010B	03/18-03/23/04	GA7821DW
		Dilution Factor: 1					
		Analysis Time..: 18:30					
Arsenic	107	(84 - 124)			SW846 6010B	03/18-03/23/04	GA7821DT
	105	(84 - 124)	2.4	(0-25)	SW846 6010B	03/18-03/23/04	GA7821DU
		Dilution Factor: 1					
		Analysis Time..: 18:30					
Cobalt	100	(82 - 119)			SW846 6010B	03/18-03/23/04	GA7821D5
	98	(82 - 119)	1.9	(0-25)	SW846 6010B	03/18-03/23/04	GA7821D6
		Dilution Factor: 1					
		Analysis Time..: 18:30					
Antimony	102	(81 - 124)			SW846 6010B	03/18-03/23/04	GA7821D1
	99	(81 - 124)	3.1	(0-25)	SW846 6010B	03/18-03/23/04	GA7821D2
		Dilution Factor: 1					
		Analysis Time..: 18:30					
Selenium	115	(71 - 140)			SW846 6010B	03/18-03/23/04	GA7821DX
	111	(71 - 140)	3.5	(0-25)	SW846 6010B	03/18-03/23/04	GA7821D0
		Dilution Factor: 1					
		Analysis Time..: 18:30					

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MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: D4C120246 **Matrix.....:** WATER
Date Sampled...: 03/12/04 12:00 **Date Received..:** 03/13/04

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Beryllium	110	(79 - 121)			SW846 6010B	03/18-03/27/04	GA7821CV
	106	(79 - 121)	3.3	(0-25)	SW846 6010B	03/18-03/27/04	GA7821CW
		Dilution Factor: 1					
		Analysis Time..: 04:32					
Barium	105	(85 - 120)			SW846 6010B	03/18-03/23/04	GA7821CT
	103	(85 - 120)	2.4	(0-25)	SW846 6010B	03/18-03/23/04	GA7821CU
		Dilution Factor: 1					
		Analysis Time..: 18:30					
Potassium	110	(76 - 132)			SW846 6010B	03/18-03/27/04	GA7821DG
	103	(76 - 132)	4.7	(0-25)	SW846 6010B	03/18-03/27/04	GA7821DH
		Dilution Factor: 1					
		Analysis Time..: 04:32					

NOTE(S):

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

NC The recovery and/or RPD were not calculated.

MSB The recovery and RPD were not calculated because the sample amount was greater than four times the spike amount.

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: D4C120246 **Matrix.....:** WATER
Date Sampled...: 03/12/04 12:00 **Date Received..:** 03/13/04

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D4C130140-001 **Prep Batch #...:** 4076542									
Boron									
	5600	1000	6990	ug/L			SW846 6010B	03/18-03/27/04	GA7821CX
			Qualifiers: NC,MSB						
	5600	1000	6760	ug/L			SW846 6010B	03/18-03/27/04	GA7821C0
			Qualifiers: NC,MSB						
			Dilution Factor: 1						
			Analysis Time..: 04:32						
Manganese									
	1000	500	1540	ug/L	105		SW846 6010B	03/18-03/23/04	GA7821DC
	1000	500	1520	ug/L	100	1.6	SW846 6010B	03/18-03/23/04	GA7821DD
			Dilution Factor: 1						
			Analysis Time..: 18:30						
Sodium									
	1100000	50000	1270000	ug/L			SW846 6010B	03/18-03/27/04	GA7821DJ
			Qualifiers: NC,MSB						
	1100000	50000	1220000	ug/L			SW846 6010B	03/18-03/27/04	GA7821DK
			Qualifiers: NC,MSB						
			Dilution Factor: 1						
			Analysis Time..: 04:32						
Calcium									
	170000	50000	232000	ug/L	130		SW846 6010B	03/18-03/27/04	GA7821C1
	170000	50000	222000	ug/L	111	4.1	SW846 6010B	03/18-03/27/04	GA7821C2
			Dilution Factor: 1						
			Analysis Time..: 04:32						
Magnesium									
	500000	50000	581000	ug/L			SW846 6010B	03/18-03/27/04	GA7821C9
			Qualifiers: NC,MSB						
	500000	50000	559000	ug/L			SW846 6010B	03/18-03/27/04	GA7821DA
			Qualifiers: NC,MSB						
			Dilution Factor: 1						
			Analysis Time..: 04:32						
Iron									
	1700	1000	2880	ug/L	118		SW846 6010B	03/18-03/27/04	GA7821C7
	1700	1000	2760	ug/L	105	4.5	SW846 6010B	03/18-03/27/04	GA7821C8
			Dilution Factor: 1						
			Analysis Time..: 04:32						

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MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: D4C120246 **Matrix.....:** WATER
Date Sampled...: 03/12/04 12:00 **Date Received..:** 03/13/04

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc									
	14	500	507	ug/L	99		SW846 6010B	03/18-03/23/04	GA7821DQ
	14	500	497	ug/L	97	1.8	SW846 6010B	03/18-03/23/04	GA7821DR
			Dilution Factor: 1						
			Analysis Time..: 18:30						
Silver									
	ND	50.0	59.9	ug/L	119		SW846 6010B	03/18-03/23/04	GA7821D9
	ND	50.0	57.9	ug/L	115	3.4	SW846 6010B	03/18-03/23/04	GA7821E[illegible]
			Dilution Factor: 1						
			Analysis Time..: 18:30						
Cadmium									
	ND	50.0	47.5	ug/L	95		SW846 6010B	03/18-03/23/04	GA7821C
	ND	50.0	46.3	ug/L	92	2.5	SW846 6010B	03/18-03/23/04	GA7821C
			Dilution Factor: 1						
			Analysis Time..: 18:30						
Chromium									
	ND	200	203	ug/L	101		SW846 6010B	03/18-03/23/04	GA7821
	ND	200	199	ug/L	99	1.8	SW846 6010B	03/18-03/23/04	GA7821
			Dilution Factor: 1						
			Analysis Time..: 18:30						
Copper									
	22	250	299	ug/L	111		SW846 6010B	03/18-03/23/04	GA782
	22	250	291	ug/L	108	2.7	SW846 6010B	03/18-03/23/04	GA782
			Dilution Factor: 1						
			Analysis Time..: 18:30						
Nickel									
	83	500	567	ug/L	97		SW846 6010B	03/18-03/23/04	GA78
	83	500	555	ug/L	95	2.1	SW846 6010B	03/18-03/23/04	GA78
			Dilution Factor: 1						
			Analysis Time..: 18:30						
Lead									
	ND	500	514	ug/L	103		SW846 6010B	03/18-03/23/04	GA78
	ND	500	498	ug/L	100	3.1	SW846 6010B	03/18-03/23/04	GA78
			Dilution Factor: 1						
			Analysis Time..: 18:30						

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MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: D4C120246 **Matrix.....:** WATER
Date Sampled...: 03/12/04 12:00 **Date Received..:** 03/13/04

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Arsenic									
	ND	2000	2150	ug/L	107		SW846 6010B	03/18-03/23/04	GA7821DT
	ND	2000	2100	ug/L	105	2.4	SW846 6010B	03/18-03/23/04	GA7821DU
			Dilution Factor: 1						
			Analysis Time..: 18:30						
Cobalt									
	1.2	500	499	ug/L	100		SW846 6010B	03/18-03/23/04	GA7821D5
	1.2	500	490	ug/L	98	1.9	SW846 6010B	03/18-03/23/04	GA7821D6
			Dilution Factor: 1						
			Analysis Time..: 18:30						
Antimony									
	ND	500	512	ug/L	102		SW846 6010B	03/18-03/23/04	GA7821D1
	ND	500	497	ug/L	99	3.1	SW846 6010B	03/18-03/23/04	GA7821D2
			Dilution Factor: 1						
			Analysis Time..: 18:30						
Selenium									
	ND	2000	2310	ug/L	115		SW846 6010B	03/18-03/23/04	GA7821DX
	ND	2000	2230	ug/L	111	3.5	SW846 6010B	03/18-03/23/04	GA7821D0
			Dilution Factor: 1						
			Analysis Time..: 18:30						
Beryllium									
	1.3	50.0	56.3	ug/L	110		SW846 6010B	03/18-03/27/04	GA7821CV
	1.3	50.0	54.5	ug/L	106	3.3	SW846 6010B	03/18-03/27/04	GA7821CW
			Dilution Factor: 1						
			Analysis Time..: 04:32						
Barium									
	130	2000	2240	ug/L	105		SW846 6010B	03/18-03/23/04	GA7821CT
	130	2000	2180	ug/L	103	2.4	SW846 6010B	03/18-03/23/04	GA7821CU
			Dilution Factor: 1						
			Analysis Time..: 18:30						
Potassium									
	14000	50000	68400	ug/L	110		SW846 6010B	03/18-03/27/04	GA7821DG
	14000	50000	65300	ug/L	103	4.7	SW846 6010B	03/18-03/27/04	GA7821DH
			Dilution Factor: 1						
			Analysis Time..: 04:32						

NOTE(S):

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

NC The recovery and/or RPD were not calculated.

MSB The recovery and RPD were not calculated because the sample amount was greater than four times the spike amount.

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: D4C120246 **Matrix.....:** WATER
Date Sampled...: 03/10/04 11:45 **Date Received..:** 03/11/04

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D4C110151-001 **Prep Batch #...:** 4077221							
Mercury	92	(84 - 114)			SW846 7470A	03/17/04	GA3CL1EL
	92	(84 - 114)	0.43	(0-10)	SW846 7470A	03/17/04	GA3CL1EM

Dilution Factor: 1
Analysis Time..: 20:51

NOTE(S):

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

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: D4C120246 **Matrix.....:** WATER
Date Sampled...: 03/10/04 11:45 **Date Received..:** 03/11/04

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D4C110151-001 **Prep Batch #...:** 4077221									
Mercury									
	ND	5.00	4.58	ug/L	92		SW846 7470A	03/17/04	GA3CL1EL
	ND	5.00	4.60	ug/L	92	0.43	SW846 7470A	03/17/04	GA3CL1EM

Dilution Factor: 1
Analysis Time..: 20:51

NOTE(S):

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

METHOD BLANK REPORT

General Chemistry

Client Lot #...: D4C120246 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chemical Oxygen Demand (COD)		Work Order #: GCT1A1AA		MB Lot-Sample #:	D4C240000-499	
	ND	8.0	mg/L	MCAWW 410.4	03/23-03/24/04	4084499
		Dilution Factor: 1				
		Analysis Time..: 15:00				
Chloride		Work Order #: GCK051AA		MB Lot-Sample #:	D4C180000-551	
	ND	3.0	mg/L	MCAWW 300.0A	03/17/04	4078551
		Dilution Factor: 1				
		Analysis Time..: 12:58				
Fluoride		Work Order #: GCKX51AA		MB Lot-Sample #:	D4C180000-553	
	ND	1.0	mg/L	MCAWW 300.0A	03/17/04	4078553
		Dilution Factor: 1				
		Analysis Time..: 12:58				
Free Cyanide (4500-CN-I)		Work Order #: GCD3K1AA		MB Lot-Sample #:	D4C170000-305	
	ND	0.010	mg/L	SM18 4500-CN-I	03/16/04	4077305
		Dilution Factor: 1				
		Analysis Time..: 15:00				
Hardness, as CaCO3		Work Order #: GCED11AA		MB Lot-Sample #:	D4C160000-519	
	ND	5.0	mg/L	MCAWW 130.2	03/16/04	4076519
		Dilution Factor: 1				
		Analysis Time..: 12:00				
HEM (Oil and Grease)		Work Order #: GCQP71AA		MB Lot-Sample #:	D4C200000-187	
	ND	5.0	mg/L	CFR136A 1664A HEM	03/20/04	4080187
		Dilution Factor: 1				
		Analysis Time..: 21:00				
Specific Conductance		Work Order #: GCPLE1AA		MB Lot-Sample #:	D4C230000-169	
	0.36 B	**2.0**	**umhos/cm**	**MCAWW 120.1**	**03/22/04**	**4083169**
		Dilution Factor: 1				
		Analysis Time..: 16:30				
Sulfate		Work Order #: GCK761AA		MB Lot-Sample #:	D4C180000-552	
	ND	5.0	mg/L	MCAWW 300.0A	03/17/04	4078552
		Dilution Factor: 1				
		Analysis Time..: 12:58				
Total Alkalinity		Work Order #: GCNXH1AA		MB Lot-Sample #:	D4C200000-122	
	ND	5.0	mg/L	MCAWW 310.1	03/19/04	4080122
		Dilution Factor: 1				
		Analysis Time..: 16:00				

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METHOD BLANK REPORT

General Chemistry

Client Lot #...: D4C120246 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Cyanide		Work Order #: GA93M1AA		MB Lot-Sample #:	D4C150000-594	
	ND	0.010	mg/L	MCAWW 335.3	03/15/04	4075594
		Dilution Factor: 1				
		Analysis Time..: 19:00				
Total Dissolved Solids		Work Order #: GCNP81AA		MB Lot-Sample #:	D4C170000-548	
	ND	10	mg/L	MCAWW 160.1	03/17/04	4077548
		Dilution Factor: 1				
		Analysis Time..: 16:00				
Total Organic Halogens		Work Order #: GCXDE1AA		MB Lot-Sample #:	D4C250000-458	
	ND	30	ug/L	SW846 9020B	03/24/04	4085458
		Dilution Factor: 1				
		Analysis Time..: 12:00				
Total Organic Carbon		Work Order #: GCTN01AA		MB Lot-Sample #:	D4C240000-327	
	ND	1.0	mg/L	MCAWW 415.1	03/23/04	4084327
		Dilution Factor: 1				
		Analysis Time..: 22:00				
Total Sulfide		Work Order #: GCJQW1AA		MB Lot-Sample #:	D4C190000-241	
	ND	0.050	mg/L	MCAWW 376.2	03/18/04	4079241
		Dilution Factor: 1				
		Analysis Time..: 20:00				

NOTE(S):

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

B Estimated result. Result is less than RL.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Lot-Sample #...: D4C120246 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chemical Oxygen Demand (COD)		WO#:GCT1A1AC-LCS/GCT1A1AD-LCSD LCS Lot-Sample#: D4C240000-499					
	100	(86 - 114)			MCAWW 410.4	03/23-03/24/04	4084499
	97	(86 - 114)	2.7	(0-11)	MCAWW 410.4	03/23-03/24/04	4084499
		Dilution Factor: 1			Analysis Time..: 15:00		
Chloride		WO#:GCK051AC-LCS/GCK051AD-LCSD LCS Lot-Sample#: D4C180000-551					
	100	(90 - 110)			MCAWW 300.0A	03/17/04	4078551
	99	(90 - 110)	0.65	(0-10)	MCAWW 300.0A	03/17/04	4078551
		Dilution Factor: 1			Analysis Time..: 12:24		
Fluoride		WO#:GCKX51AC-LCS/GCKX51AD-LCSD LCS Lot-Sample#: D4C180000-553					
	104	(90 - 110)			MCAWW 300.0A	03/17/04	4078553
	103	(90 - 110)	0.72	(0-10)	MCAWW 300.0A	03/17/04	4078553
		Dilution Factor: 1			Analysis Time..: 12:24		
Hardness, as CaCO3		WO#:GCED11AC-LCS/GCED11AD-LCSD LCS Lot-Sample#: D4C160000-519					
	100	(96 - 108)			MCAWW 130.2	03/16/04	4076519
	100	(96 - 108)	0.25	(0-5.0)	MCAWW 130.2	03/16/04	4076519
		Dilution Factor: 1			Analysis Time..: 12:00		
HEM (Oil and Grease)		WO#:GCQP71AC-LCS/GCQP71AD-LCSD LCS Lot-Sample#: D4C200000-187					
	95	(78 - 114)			CFR136A 1664A HEM	03/20/04	4080187
	90	(78 - 114)	4.9	(0-47)	CFR136A 1664A HEM	03/20/04	4080187
		Dilution Factor: 1			Analysis Time..: 21:00		
Specific Conductance		WO#:GCPLE1AC-LCS/GCPLE1AD-LCSD LCS Lot-Sample#: D4C230000-169					
	100	(89 - 109)			MCAWW 120.1	03/22/04	4083169
	100	(89 - 109)	0.42	(0-7.0)	MCAWW 120.1	03/22/04	4083169
		Dilution Factor: 1			Analysis Time..: 16:30		
Sulfate		WO#:GCK761AC-LCS/GCK761AD-LCSD LCS Lot-Sample#: D4C180000-552					
	100	(90 - 110)			MCAWW 300.0A	03/17/04	4078552
	100	(90 - 110)	0.0	(0-10)	MCAWW 300.0A	03/17/04	4078552
		Dilution Factor: 1			Analysis Time..: 12:24		

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Lot-Sample #...: D4C120246 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Alkalinity		WO#:GCNXH1AC-LCS/GCNXH1AD-LCSD				LCS Lot-Sample#: D4C200000-122	
	102	(95 - 110)			MCAWW 310.1	03/19/04	4080122
	100	(95 - 110)	1.8	(0-10)	MCAWW 310.1	03/19/04	4080122
		Dilution Factor: 1			Analysis Time..: 16:00		
Total Dissolved Solids		WO#:GCNP81AC-LCS/GCNP81AD-LCSD				LCS Lot-Sample#: D4C170000-548	
	100	(86 - 106)			MCAWW 160.1	03/17/04	4077548
	100	(86 - 106)	0.40	(0-20)	MCAWW 160.1	03/17/04	4077548
		Dilution Factor: 1			Analysis Time..: 16:00		
Total Organic Carbon		WO#:GCTN01AC-LCS/GCTN01AD-LCSD				LCS Lot-Sample#: D4C240000-327	
	107	(90 - 110)			MCAWW 415.1	03/23/04	4084327
	107	(90 - 110)	0.37	(0-10)	MCAWW 415.1	03/23-03/24/04	4084327
		Dilution Factor: 1			Analysis Time..: 22:00		
Total Sulfide		WO#:GCJQW1AC-LCS/GCJQW1AD-LCSD				LCS Lot-Sample#: D4C190000-241	
	91	(79 - 131)			MCAWW 376.2	03/18/04	4079241
	93	(79 - 131)	2.8	(0-10)	MCAWW 376.2	03/18/04	4079241
		Dilution Factor: 1			Analysis Time..: 20:00		

NOTE(S):

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

LABORATORY CONTROL SAMPLE DATA REPORT

General Chemistry

Lot-Sample #...: D4C120246 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chemical Oxygen Demand (COD)		WO#:GCT1A1AC-LCS/GCT1A1AD-LCSD				LCS Lot-Sample#: D4C240000-499		
	100	99.6	mg/L	100		MCAWW 410.4	03/23-03/24/04	4084499
	100	96.9	mg/L	97	2.7	MCAWW 410.4	03/23-03/24/04	4084499
		Dilution Factor: 1				Analysis Time..: 15:00		
Chloride		WO#:GCK051AC-LCS/GCK051AD-LCSD				LCS Lot-Sample#: D4C180000-551		
	20.0	19.9	mg/L	100		MCAWW 300.0A	03/17/04	4078551
	20.0	19.8	mg/L	99	0.65	MCAWW 300.0A	03/17/04	4078551
		Dilution Factor: 1				Analysis Time..: 12:24		
Fluoride		WO#:GCKX51AC-LCS/GCKX51AD-LCSD				LCS Lot-Sample#: D4C180000-553		
	4.00	4.14	mg/L	104		MCAWW 300.0A	03/17/04	4078553
	4.00	4.11	mg/L	103	0.72	MCAWW 300.0A	03/17/04	4078553
		Dilution Factor: 1				Analysis Time..: 12:24		
Hardness, as CaCO3		WO#:GCED11AC-LCS/GCED11AD-LCSD				LCS Lot-Sample#: D4C160000-519		
	400	399	mg/L	100		MCAWW 130.2	03/16/04	4076519
	400	398	mg/L	100	0.25	MCAWW 130.2	03/16/04	4076519
		Dilution Factor: 1				Analysis Time..: 12:00		
HEM (Oil and Grease)		WO#:GCQP71AC-LCS/GCQP71AD-LCSD				LCS Lot-Sample#: D4C200000-187		
	40.0	37.9	mg/L	95		CFR136A 1664A HEM	03/20/04	4080187
	40.0	36.1	mg/L	90	4.9	CFR136A 1664A HEM	03/20/04	4080187
		Dilution Factor: 1				Analysis Time..: 21:00		
Specific Conductance		WO#:GCPLE1AC-LCS/GCPLE1AD-LCSD				LCS Lot-Sample#: D4C230000-169		
	1410	1410	umhos/cm	100		MCAWW 120.1	03/22/04	4083169
	1410	1410	umhos/cm	100	0.42	MCAWW 120.1	03/22/04	4083169
		Dilution Factor: 1				Analysis Time..: 16:30		
Sulfate		WO#:GCK761AC-LCS/GCK761AD-LCSD				LCS Lot-Sample#: D4C180000-552		
	20.0	20.0	mg/L	100		MCAWW 300.0A	03/17/04	4078552
	20.0	20.0	mg/L	100	0.0	MCAWW 300.0A	03/17/04	4078552
		Dilution Factor: 1				Analysis Time..: 12:24		

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LABORATORY CONTROL SAMPLE DATA REPORT

General Chemistry

Lot-Sample #...: D4C120246 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Alkalinity		WO#:GCNXH1AC-LCS/GCNXH1AD-LCSD				LCS Lot-Sample#: D4C200000-122		
	200	203	mg/L	102		MCAWW 310.1	03/19/04	4080122
	200	199	mg/L	100	1.8	MCAWW 310.1	03/19/04	4080122
		Dilution Factor: 1				Analysis Time..: 16:00		
Total Dissolved Solids		WO#:GCNP81AC-LCS/GCNP81AD-LCSD				LCS Lot-Sample#: D4C170000-548		
	500	499	mg/L	100		MCAWW 160.1	03/17/04	4077548
	500	501	mg/L	100	0.40	MCAWW 160.1	03/17/04	4077548
		Dilution Factor: 1				Analysis Time..: 16:00		
Total Organic Carbon		WO#:GCTN01AC-LCS/GCTN01AD-LCSD				LCS Lot-Sample#: D4C240000-327		
	25.0	26.6	mg/L	107		MCAWW 415.1	03/23/04	4084327
	25.0	26.7	mg/L	107	0.37	MCAWW 415.1	03/23-03/24/04	4084327
		Dilution Factor: 1				Analysis Time..: 22:00		
Total Sulfide		WO#:GCJQW1AC-LCS/GCJQW1AD-LCSD				LCS Lot-Sample#: D4C190000-241		
	0.508	0.460	mg/L	91		MCAWW 376.2	03/18/04	4079241
	0.508	0.473	mg/L	93	2.8	MCAWW 376.2	03/18/04	4079241
		Dilution Factor: 1				Analysis Time..: 20:00		

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: D4C120246 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Free Cyanide (4500-CN-I)		Work Order #: GCD3K1AC	LCS Lot-Sample#: D4C170000-305		
	98	(75 - 120)	SM18 4500-CN-I	03/16/04	4077305
		Dilution Factor: 1	Analysis Time..: 15:00		
Total Cyanide		Work Order #: GA93M1AC	LCS Lot-Sample#: D4C150000-594		
	109	(89 - 109)	MCAWW 335.3	03/15/04	4075594
		Dilution Factor: 1	Analysis Time..: 19:00		
Total Organic Halogens		Work Order #: GCXDE1AC	LCS Lot-Sample#: D4C250000-458		
	94	(75 - 113)	SW846 9020B	03/24/04	4085458
		Dilution Factor: 1	Analysis Time..: 12:00		

NOTE(S):

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

LABORATORY CONTROL SAMPLE DATA REPORT

General Chemistry

Client Lot #...: D4C120246 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Free Cyanide	(4500-CN-I)		Work Order #:	GCD3K1AC	LCS Lot-Sample#:	D4C170000-305	
	0.100	0.0984	mg/L	98	SM18 4500-CN-I	03/16/04	4077305
			Dilution Factor: 1		Analysis Time..: 15:00		
Total Cyanide			Work Order #:	GA93M1AC	LCS Lot-Sample#:	D4C150000-594	
	0.100	0.109	mg/L	109	MCAWW 335.3	03/15/04	4075594
			Dilution Factor: 1		Analysis Time..: 19:00		
Total Organic Halogens			Work Order #:	GCXDE1AC	LCS Lot-Sample#:	D4C250000-458	
	100	94.0	ug/L	94	SW846 9020B	03/24/04	4085458
			Dilution Factor: 1		Analysis Time..: 12:00		

NOTE(S):

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

MATRIX SPIKE SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: D4C120246 **Matrix.....:** WATER
Date Sampled...: 03/17/04 17:13 **Date Received..:** 03/17/04

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chemical Oxygen Demand (COD)			WO#: GA6LM1A1-MS/GA6LM1A2-MSD			MS Lot-Sample #: D4C120233-002	
	80	(74 - 109)			MCAWW 410.4	03/23-03/24/04	4084499
	79	(74 - 109)	1.6	(0-11)	MCAWW 410.4	03/23-03/24/04	4084499
		Dilution Factor: 1					
		Analysis Time..: 15:00					
Chloride			WO#: GCC9A1AE-MS/GCC9A1AF-MSD			MS Lot-Sample #: D4C160337-020	
	98	(80 - 120)			MCAWW 300.0A	03/17/04	4078551
	98	(80 - 120)	0.16	(0-10)	MCAWW 300.0A	03/17/04	4078551
		Dilution Factor: 1					
		Analysis Time..: 22:50					
Fluoride			WO#: GA6MQ1CP-MS/GA6MQ1CQ-MSD			MS Lot-Sample #: D4C120246-001	
	127 N	(80 - 120)			MCAWW 300.0A	03/17-03/18/04	4078553
	123 N	(80 - 120)	3.2	(0-10)	MCAWW 300.0A	03/17/04	4078553
		Dilution Factor: 1					
		Analysis Time..: 09:32					
Free Cyanide (4500-CN-I)			WO#: GAQ0N1CR-MS/GAQ0N1CT-MSD			MS Lot-Sample #: D4C050375-001	
	96	(75 - 120)			SM18 4500-CN-I	03/16/04	4077305
	93	(75 - 120)	3.7	(0-24)	SM18 4500-CN-I	03/16/04	4077305
		Dilution Factor: 1					
		Analysis Time..: 15:00					
Hardness, as CaCO3			WO#: F94V51AC-MS/F94V51AD-MSD			MS Lot-Sample #: D4B240257-001	
	100	(96 - 108)			MCAWW 130.2	03/16/04	4076518
	101	(96 - 108)	0.41	(0-5.0)	MCAWW 130.2	03/16/04	4076518
		Dilution Factor: 1					
		Analysis Time..: 12:00					
Sulfate			WO#: GA6MQ1CR-MS/GA6MQ1CT-MSD			MS Lot-Sample #: D4C120246-001	
	99	(80 - 120)			MCAWW 300.0A	03/17-03/18/04	4078552
	100	(80 - 120)	0.95	(0-10)	MCAWW 300.0A	03/17-03/18/04	4078552
		Dilution Factor: 1					
		Analysis Time..: 09:32					
Total Cyanide			WO#: GA8KR1AF-MS/GA8KR1AG-MSD			MS Lot-Sample #: D4C130160-005	
	108	(78 - 120)			MCAWW 335.3	03/15/04	4075594
	111	(78 - 120)	2.7	(0-20)	MCAWW 335.3	03/15/04	4075594
		Dilution Factor: 1					
		Analysis Time..: 19:00					

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MATRIX SPIKE SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: D4C120246 **Matrix.....:** WATER
Date Sampled...: 03/17/04 17:13 **Date Received..:** 03/17/04

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Halogens		WO#: GCAMD1AC-MS/GCAMD1AD-MSD				MS Lot-Sample #: D4C160130-001	
	85	(75 - 113)			SW846 9020B	03/24/04	4085458
	83	(75 - 113)	1.9	(0-30)	SW846 9020B	03/24/04	4085458
		Dilution Factor: 1					
		Analysis Time..: 12:00					
Total Organic Carbon		WO#: GCF2X1AD-MS/GCF2X1AE-MSD				MS Lot-Sample #: D4C170393-001	
	103	(85 - 117)			MCAWW 415.1	03/23/04	4084324
	104	(85 - 117)	0.83	(0-10)	MCAWW 415.1	03/23/04	4084324
		Dilution Factor: 1					
		Analysis Time..: 23:00					
Total Sulfide		WO#: GA56M1CD-MS/GA56M1CE-MSD				MS Lot-Sample #: D4C120186-001	
	5.1 N	(51 - 113)			MCAWW 376.2	03/18/04	4079241
	7.3 N,*	(51 - 113)	35	(0-10)	MCAWW 376.2	03/18/04	4079241
		Dilution Factor: 1					
		Analysis Time..: 20:00					

NOTE(S):

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

N Spiked analyte recovery is outside stated control limits.

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

MATRIX SPIKE SAMPLE DATA REPORT

General Chemistry

Client Lot #...: D4C120246 **Matrix.....:** WATER
Date Sampled...: 03/17/04 17:13 **Date Received..:** 03/17/04

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chemical Oxygen Demand (COD)			WO#: GA6LM1A1-MS/GA6LM1A2-MSD				MS Lot-Sample #: D4C120233-002		
	ND	50.0	40.2	mg/L	80		MCAWW 410.4	03/23-03/24/04	4084499
	ND	50.0	39.5	mg/L	79	1.6	MCAWW 410.4	03/23-03/24/04	4084499
			Dilution Factor: 1						
			Analysis Time..: 15:00						
Chloride			WO#: GCC9A1AE-MS/GCC9A1AF-MSD				MS Lot-Sample #: D4C160337-020		
	89	50.0	138	mg/L	98		MCAWW 300.0A	03/17/04	4078551
	89	50.0	139	mg/L	98	0.16	MCAWW 300.0A	03/17/04	4078551
			Dilution Factor: 1						
			Analysis Time..: 22:50						
Fluoride			WO#: GA6MQ1CP-MS/GA6MQ1CQ-MSD				MS Lot-Sample #: D4C120246-001		
	ND	25.0	31.7 N	mg/L	127		MCAWW 300.0A	03/17-03/18/04	4078553
	ND	25.0	30.7 N	mg/L	123	3.2	MCAWW 300.0A	03/17/04	4078553
			Dilution Factor: 1						
			Analysis Time..: 09:32						
Free Cyanide (4500-CN-I)			WO#: GAQ0N1CR-MS/GAQ0N1CT-MSD				MS Lot-Sample #: D4C050375-001		
	ND	0.100	0.0961	mg/L	96		SM18 4500-CN-	03/16/04	4077305
	ND	0.100	0.0926	mg/L	93	3.7	SM18 4500-CN-	03/16/04	4077305
			Dilution Factor: 1						
			Analysis Time..: 15:00						
Hardness, as CaCO3			WO#: F94V51AC-MS/F94V51AD-MSD				MS Lot-Sample #: D4B240257-001		
	670	1000	1670	mg/L	100		MCAWW 130.2	03/16/04	4076518
	670	1000	1670	mg/L	101	0.41	MCAWW 130.2	03/16/04	4076518
			Dilution Factor: 1						
			Analysis Time..: 12:00						
Sulfate			WO#: GA6MQ1CR-MS/GA6MQ1CT-MSD				MS Lot-Sample #: D4C120246-001		
	ND	125	123	mg/L	99		MCAWW 300.0A	03/17-03/18/04	4078552
	ND	125	125	mg/L	100	0.95	MCAWW 300.0A	03/17-03/18/04	4078552
			Dilution Factor: 1						
			Analysis Time..: 09:32						
Total Cyanide			WO#: GA8KR1AF-MS/GA8KR1AG-MSD				MS Lot-Sample #: D4C130160-005		
	ND	0.100	0.108	mg/L	108		MCAWW 335.3	03/15/04	4075594
	ND	0.100	0.111	mg/L	111	2.7	MCAWW 335.3	03/15/04	4075594
			Dilution Factor: 1						
			Analysis Time..: 19:00						

(Continued on next page)

MATRIX SPIKE SAMPLE DATA REPORT

General Chemistry

Client Lot #...: D4C120246 **Matrix.....:** WATER
Date Sampled...: 03/17/04 17:13 **Date Received..:** 03/17/04

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Halogens			WO#: GCAMD1AC-MS/GCAMD1AD-MSD				MS Lot-Sample #: D4C160130-001		
	20	100	105	ug/L	85		SW846 9020B	03/24/04	4085458
	20	100	103	ug/L	83	1.9	SW846 9020B	03/24/04	4085458
			Dilution Factor: 1						
			Analysis Time..: 12:00						
Total Organic Carbon			WO#: GCF2X1AD-MS/GCF2X1AE-MSD				MS Lot-Sample #: D4C170393-001		
	2.9	25.0	28.7	mg/L	103		MCAWW 415.1	03/23/04	4084324
	2.9	25.0	28.9	mg/L	104	0.83	MCAWW 415.1	03/23/04	4084324
			Dilution Factor: 1						
			Analysis Time..: 23:00						
Total Sulfide			WO#: GA56M1CD-MS/GA56M1CE-MSD				MS Lot-Sample #: D4C120186-001		
	ND	0.508	0.0260	mg/L	5.1		MCAWW 376.2	03/18/04	4079241
			Qualifiers: N						
	ND	0.508	0.0370	mg/L	7.3	35	MCAWW 376.2	03/18/04	4079241
			Qualifiers: N,*						
			Dilution Factor: 1						
			Analysis Time..: 20:00						

NOTE(S):

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

N Spiked analyte recovery is outside stated control limits.

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

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: D4C120246 **Work Order #...:** GA45M-SMP GA45M-DUP **Matrix.....:** WATER

Date Sampled...: 03/11/04 10:30 **Date Received..:** 03/11/04

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Dissolved Solids						SD Lot-Sample #:	D4C110410-001	
	5000 Q	5000 Q	mg/L	0.16	(0-20)	MCAWW 160.1	03/17/04	4077548
			Dilution Factor: 2			Analysis Time..: 16:00		

NOTE(S):

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

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

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: D4C120246 **Work Order #...:** GA8G8-SMP GA8G8-DUP **Matrix.....:** WATER

Date Sampled...: 03/10/04 10:19 **Date Received..:** 03/13/04

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Alkalinity						SD Lot-Sample #:	D4C130177-002	
	56	55	mg/L	3.2	(0-10)	MCAWW 310.1	03/19/04	4080123

Dilution Factor: 1 Analysis Time..: 16:00

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: D4C120246 **Work Order #...:** GA3Q0-SMP GA3Q0-DUP **Matrix.....:** WATER

Date Sampled...: 03/10/04 08:00 **Date Received..:** 03/11/04

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Specific Conductance						SD Lot-Sample #:	D4C110213-001	
	460 J	460	umhos/cm	0.66	(0-7.0)	MCAWW 120.1	03/22/04	4083169

Dilution Factor: 1 Analysis Time..: 16:30

NOTE(S):

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

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

Chain of Custody Record

5.1° VAB 3/12/04

SEVERN TRENT **STL**

Severn Trent Laboratories, Inc.

STL Denver
4955 Yarrow Street
Arvada, CO 80002

STL-4124 (0901)

Client: SCS-ENG. c/o WASTE MGMT	Project Manager: TINA SCHNIESING	Date: 3/11/04	Chain of Custody Number: 303833
Address: ~~777~~ 3711 LONG BEACH BLVD 9TH-FL	Telephone Number (Area Code)/Fax Number: 1800 326-9544	Lab Number:	Page 1 of 1
City: LONG BEACH; State: CA; Zip Code: 90807	Site Contact: BRUCE M	Lab Contact: BETSY F	
Project Name and Location (State): BRADLEY LF	Carrier/Waybill Number:		
Contract/Purchase Order/Quote No.: 294-25662-A			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Air	Aqueous	Sed.	Soil	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Cond.	Cl/SO4/F	Turbidity	Cyanide	Hardness	TOC	TDS	Alk.	Metals Tot.	Free CN	O&G	VOA	BNA	Total Coli.	Special Instructions/ Conditions of Receipt
LEACHATE SUMP B	3/11/04	1305		X			3	4	1	3	1	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	

Analysis (Attach list if more space is needed)

Possible Hazard Identification: ☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal: ☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By	3/11/04	1400	1. Received By	3/12/04	0900
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

SEVERN TRENT STL

STL Denver
4955 Yarrow Street
Arvada, CO 80002

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

ANALYTICAL REPORT

Project No. Site 234

Bradley LF

Lot #: D4C050375

Sumps

Bruce Matlock

Waste Mgmt. Disp. Serv. of CA
9081 Tujunga
Sun Valley CA 91352

Cc: Tina Schmiesing

STL DENVER

Betsy Farnaus
Project Manager

March 24, 2004

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- **Chain-of-Custody**

Case Narrative

Enclosed is the report for four samples received at STL's Denver laboratory on March 5, 2004. The results included in this report have been reviewed for compliance with STL's Laboratory Quality Manual. The test results shown in this report meet all requirements of NELAC and any exceptions are noted below.

This report may include data with reporting limits (RLs) less than STL Denver's standard reporting limits. These data and reporting limits are being used specifically to meet the needs of this project. Note that, data are not customarily reported to these levels without qualifiers, because they are inherently less reliable and potentially less defensible than the latest industry standards require. Please contact STL Denver for more details.

Dilution factors and footnotes have been provided to assist in the interpretation of the results. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at concentrations above the linear calibration curve, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

STL utilizes USEPA approved methods in all analytical work. The samples presented in this report were analyzed for the parameters listed on the analytical methods summary page in accordance with the methods indicated. A summary of quality control parameters is provided below.

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Quality Control Summary for Lot D4C050375

Sample Receiving

- The cooler temperatures upon receipt at the Denver laboratory were 2.7°C, 3.2°C and 3.6°C.
- All VOA vials received for the samples SUMPC and SUMPD contained approximately 0.5 inches of headspace. All VOA vials received for the samples SUMPF contained approximately 0.25 - 0.5 inches of headspace. The client was notified.
- One of the two one liter unpreserved amber bottles for the sample SUMPC was broken in transit, however sufficient volume remained for Method 8270C analysis.
- All other sample bottles were received in acceptable condition.

Holding Times

- All holding times were within established control limits.

Trip Blanks

- Methylene Chloride was detected in the Trip Blank sample at a level below the requested reporting limit. Methylene Chloride was also detected in the associated samples SUMPC and SUMPF at similar levels, therefore indicating the possibility of field or laboratory contamination of Methylene Chloride in these samples.

Method Blanks

- Methylene Chloride Method 8260B, Total Silver, Total Beryllium and Total Potassium Method 6010B were detected in the Method Blanks at levels below the project established reporting limits. No corrective action is taken for any values in Method Blanks that are below the requested reporting limits.

- All other Method Blanks were within established control limits.

Laboratory Control Samples

- All Laboratory Control Samples were within established control limits.

Matrix Spike and Matrix Spike Duplicate (MS/MSD)

- The method required MS/MSD could not be performed for Method 8270C and Method 1664A HEM due to insufficient sample volume, however, LCS/LCSD pairs were analyzed to demonstrate method precision.

- The percent recoveries of the MS/MSD and/or the relative percent difference were not calculated for Total Sodium, Total Calcium, Total Magnesium, Total Iron and Total Potassium during Method 6010B analysis because the sample concentration was greater than four times the spike amount.

- The Matrix Spike and/or Matrix Spike Duplicate recoveries were outside control limits for Trichloroethene Method 8260B, Total Arsenic, Total Silver, Total Boron Method 6010B and Total Sulfide Method 376.2. In addition, the RPD result was outside the RPD limits for Total Sulfide. Because the corresponding Laboratory Control Samples and the Method Blank samples were within control limits, these anomalies are considered to be due to matrix interference and no corrective action was taken.

- Due to the result concentration exceeding the calibration range the MS/MSD results for Chloride Method 300.0A are estimated.

- All other MS and MSD samples were within established control limits.

Organics

- Due to a foamy matrix and non-target compounds, the sample SUMPC was diluted for Method 8260B analysis.

- Due to target compounds, the samples SUMPD and SUMPF were diluted for Method 8260B analysis.

- The Method 8270C surrogate recovery of Terphenyl-d14 was outside control limits for the sample SUMPD. Because the chromatograms show clear evidence of matrix interference for the sample, all other quality control samples met acceptance criteria, and the sample was non-detect for all Method 8270C analytes, no corrective action was performed, and the data were accepted. In addition, all other surrogate recoveries were within control limits.

Inorganics

- Due to matrix interference, the normal Mercury Method 7470A preparation procedure was ineffective for the samples SUMPD and SUMPF. The samples were reprepared at a four times dilution and analyzed as normal 10 ml aliquots.

EXECUTIVE SUMMARY - Detection Highlights

D4C050375

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
SUMPC 03/04/04 11:05 001				
Silver	1.3 B,J	10	ug/L	SW846 6010B
Cadmium	0.67 B	5.0	ug/L	SW846 6010B
Arsenic	63	10	ug/L	SW846 6010B
Cobalt	5.5 B	10	ug/L	SW846 6010B
Antimony	5.0 B	10	ug/L	SW846 6010B
Boron	4000	100	ug/L	SW846 6010B
Manganese	1600	10	ug/L	SW846 6010B
Sodium	620000	5000	ug/L	SW846 6010B
Calcium	440000	200	ug/L	SW846 6010B
Magnesium	210000	200	ug/L	SW846 6010B
Iron	20000	100	ug/L	SW846 6010B
Chromium	8.6 B	10	ug/L	SW846 6010B
Copper	3.6 B	10	ug/L	SW846 6010B
Nickel	37 B	40	ug/L	SW846 6010B
Beryllium	1.2 B,J	5.0	ug/L	SW846 6010B
Barium	2000	100	ug/L	SW846 6010B
Potassium	99000 J,L	5000	ug/L	SW846 6010B
2-Methylnaphthalene	6.4 J	10	ug/L	SW846 8270C
Naphthalene	13	10	ug/L	SW846 8270C
Benzene	5.8	2.0	ug/L	SW846 8260B
Chlorobenzene	2.0 J	10	ug/L	SW846 8260B
1,2-Dichlorobenzene	2.1 J	20	ug/L	SW846 8260B
1,4-Dichlorobenzene	14 J	20	ug/L	SW846 8260B
1,1-Dichloroethane	3.6 J	10	ug/L	SW846 8260B
1,2-Dichloroethane	0.81 J	10	ug/L	SW846 8260B
cis-1,2-Dichloroethene	2.3 J	20	ug/L	SW846 8260B
1,2-Dichloropropane	2.5 J	10	ug/L	SW846 8260B
Ethylbenzene	23	10	ug/L	SW846 8260B
Methylene chloride	1.6 J,B	10	ug/L	SW846 8260B
Toluene	36	2.0	ug/L	SW846 8260B
Vinyl chloride	3.2	2.0	ug/L	SW846 8260B
Xylenes (total)	23	20	ug/L	SW846 8260B
2-Butanone (MEK)	23	20	ug/L	SW846 8260B
Specific Conductance	6900	2.0	umhos/cm	MCAWW 120.1
Hardness, as CaCO3	1900 Q	25	mg/L	MCAWW 130.2
Total Dissolved Solids	3900 Q	20	mg/L	MCAWW 160.1
Chloride	1200 Q	150	mg/L	MCAWW 300.0A
Sulfate	2.8 B,G	10	mg/L	MCAWW 300.0A
Fluoride	2.3 B,G	10	mg/L	MCAWW 300.0A
Total Organic Carbon	200 Q	20	mg/L	MCAWW 415.1
Total Organic Carbon	210 Q	20	mg/L	MCAWW 415.1

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

D4C050375

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
SUMPC 03/04/04 11:05 001				
HEM (Oil and Grease)	1.5 B	5.0	mg/L	CFR136A 1664A HEM
Total Organic Halogens	600 Q	600	ug/L	SW846 9020B
Total Organic Halogens	630 Q	600	ug/L	SW846 9020B
Total Organic Halogens	730 C,Q	300	ug/L	SW846 9020B
Total Organic Halogens	680 C,Q	300	ug/L	SW846 9020B
Bicarbonate Alkalinity	1700	5.0	mg/L	MCAWW 310.1
Total Alkalinity	1700	5.0	mg/L	MCAWW 310.1
Total Cyanide	0.0040 B	0.010	mg/L	MCAWW 335.3
Chemical Oxygen Demand (COD)	600 Q	40	mg/L	MCAWW 410.4
SUMPD 03/04/04 11:50 002				
Mercury	0.26 B	0.80	ug/L	SW846 7470A
Silver	1.2 B,J	10	ug/L	SW846 6010B
Cadmium	1.2 B	5.0	ug/L	SW846 6010B
Lead	27	3.0	ug/L	SW846 6010B
Arsenic	140	10	ug/L	SW846 6010B
Cobalt	23	10	ug/L	SW846 6010B
Antimony	16	10	ug/L	SW846 6010B
Selenium	8.6	5.0	ug/L	SW846 6010B
Boron	6900	100	ug/L	SW846 6010B
Manganese	1200	10	ug/L	SW846 6010B
Sodium	940000	5000	ug/L	SW846 6010B
Calcium	280000	200	ug/L	SW846 6010B
Magnesium	130000	200	ug/L	SW846 6010B
Iron	10000	100	ug/L	SW846 6010B
Zinc	260	20	ug/L	SW846 6010B
Chromium	62	10	ug/L	SW846 6010B
Copper	11	10	ug/L	SW846 6010B
Nickel	140	40	ug/L	SW846 6010B
Beryllium	0.99 B,J	5.0	ug/L	SW846 6010B
Barium	1500	100	ug/L	SW846 6010B
Potassium	280000	5000	ug/L	SW846 6010B
	Qualifiers: J,L			
Acetophenone	11	10	ug/L	SW846 8270C
bis(2-Ethylhexyl) phthalate	37	10	ug/L	SW846 8270C

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

D4C050375

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
SUMPD 03/04/04 11:50 002				
Naphthalene	4.9 J	10	ug/L	SW846 8270C
Acetone	280 J	680	ug/L	SW846 8260B
1,4-Dichlorobenzene	12 J	200	ug/L	SW846 8260B
Ethylbenzene	13 J	100	ug/L	SW846 8260B
Methylene chloride	13 J,B	100	ug/L	SW846 8260B
4-Methyl-2-pentanone	27 J	200	ug/L	SW846 8260B
Styrene	740	100	ug/L	SW846 8260B
Toluene	14 J	20	ug/L	SW846 8260B
Xylenes (total)	36 J	200	ug/L	SW846 8260B
2-Butanone (MEK)	350	200	ug/L	SW846 8260B
Specific Conductance	9300	2.0	umhos/cm	MCAWW 120.1
Hardness, as CaCO3	1200 Q	25	mg/L	MCAWW 130.2
Total Dissolved Solids	5200 Q	20	mg/L	MCAWW 160.1
Chloride	1400 Q	150	mg/L	MCAWW 300.0A
Sulfate	2.2 B,G	10	mg/L	MCAWW 300.0A
Fluoride	13 Q	10	mg/L	MCAWW 300.0A
Total Organic Carbon	920 Q	100	mg/L	MCAWW 415.1
Total Organic Carbon	910 Q	100	mg/L	MCAWW 415.1
Free Cyanide (4500-CN-I)	0.0056 B	0.010	mg/L	SM18 4500-CN-I
HEM (Oil and Grease)	11	5.0	mg/L	CFR136A 1664A HEM
Total Organic Halogens	1700 B,Q	2400	ug/L	SW846 9020B
Total Organic Halogens	2000 B,Q	2400	ug/L	SW846 9020B
Total Organic Halogens	2600 Q	2400	ug/L	SW846 9020B
Total Organic Halogens	2100 B,Q	2400	ug/L	SW846 9020B
Total Sulfide	0.026 B	0.050	mg/L	MCAWW 376.2
Bicarbonate Alkalinity	2200	5.0	mg/L	MCAWW 310.1
Total Alkalinity	2200	5.0	mg/L	MCAWW 310.1
Total Cyanide	0.0091 B	0.010	mg/L	MCAWW 335.3
Chemical Oxygen Demand (COD)	2300 Q	160	mg/L	MCAWW 410.4
SUMPF 03/04/04 12:30 003				
Silver	2.0 B,J	10	ug/L	SW846 6010B
Cadmium	0.69 B	5.0	ug/L	SW846 6010B
Arsenic	5.1 B	10	ug/L	SW846 6010B

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

D4C050375

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
SUMPF 03/04/04 12:30 003				
Cobalt	7.0 B	10	ug/L	SW846 6010B
Boron	3500	100	ug/L	SW846 6010B
Manganese	4500	10	ug/L	SW846 6010B
Sodium	500000	5000	ug/L	SW846 6010B
Calcium	580000	200	ug/L	SW846 6010B
Magnesium	200000	200	ug/L	SW846 6010B
Iron	12000	100	ug/L	SW846 6010B
Zinc	68	20	ug/L	SW846 6010B
Chromium	11	10	ug/L	SW846 6010B
Copper	3.6 B	10	ug/L	SW846 6010B
Nickel	35 B	40	ug/L	SW846 6010B
Beryllium	1.0 B,J	5.0	ug/L	SW846 6010B
Barium	1500	100	ug/L	SW846 6010B
Potassium	59000 J,L	5000	ug/L	SW846 6010B
Acetophenone	2.8 J	10	ug/L	SW846 8270C
bis(2-Ethylhexyl) phthalate	15	10	ug/L	SW846 8270C
3-Methylphenol & 4-Methylphenol	76	10	ug/L	SW846 8270C
Naphthalene	4.4 J	10	ug/L	SW846 8270C
Phenol	35	10	ug/L	SW846 8270C
Acetone	260	85	ug/L	SW846 8260B
Benzene	4.4	2.5	ug/L	SW846 8260B
Chlorobenzene	2.2 J	12	ug/L	SW846 8260B
Chloroethane	1.5 J	25	ug/L	SW846 8260B
1,2-Dichlorobenzene	0.53 J	25	ug/L	SW846 8260B
1,4-Dichlorobenzene	7.6 J	25	ug/L	SW846 8260B
1,1-Dichloroethane	1.9 J	12	ug/L	SW846 8260B
cis-1,2-Dichloroethene	2.3 J	25	ug/L	SW846 8260B
1,2-Dichloropropane	0.86 J	12	ug/L	SW846 8260B
Ethylbenzene	13	12	ug/L	SW846 8260B
Methylene chloride	4.3 J,B	12	ug/L	SW846 8260B
4-Methyl-2-pentanone	13 J	25	ug/L	SW846 8260B
Tetrachloroethene	0.80 J	12	ug/L	SW846 8260B
Toluene	42	2.5	ug/L	SW846 8260B
Trichloroethene	1.2 J	12	ug/L	SW846 8260B
Vinyl chloride	2.0 J	2.5	ug/L	SW846 8260B
Xylenes (total)	30	25	ug/L	SW846 8260B
2-Butanone (MEK)	330	25	ug/L	SW846 8260B
Specific Conductance	5900	2.0	umhos/cm	MCAWW 120.1
Hardness, as CaCO3	2100 Q	25	mg/L	MCAWW 130.2
Total Dissolved Solids	3700 Q	20	mg/L	MCAWW 160.1

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

D4C050375

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
SUMPF 03/04/04 12:30 003				
Chloride	130 Q	30	mg/L	MCAWW 300.0A
Sulfate	18 G	10	mg/L	MCAWW 300.0A
Fluoride	3.9 B,G	10	mg/L	MCAWW 300.0A
Total Organic Carbon	170 Q	5.0	mg/L	MCAWW 415.1
Total Organic Carbon	180 Q	5.0	mg/L	MCAWW 415.1
HEM (Oil and Grease)	32	5.0	mg/L	CFR136A 1664A HEM
Total Organic Halogens	460 B,Q	600	ug/L	SW846 9020B
Total Organic Halogens	420 B,Q	600	ug/L	SW846 9020B
Total Organic Halogens	500 B,Q	600	ug/L	SW846 9020B
Total Organic Halogens	550 B,Q	600	ug/L	SW846 9020B
Bicarbonate Alkalinity	1900	5.0	mg/L	MCAWW 310.1
Total Alkalinity	1900	5.0	mg/L	MCAWW 310.1
Chemical Oxygen Demand (COD)	140	8.0	mg/L	MCAWW 410.4
TRIP BLANK 03/04/04 14:30 004				
Methylene chloride	0.79 J,B	5.0	ug/L	SW846 8260B

PREPARATION METHODS SUMMARY

D4C050375

PREPARATION DESCRIPTION	PREPARATION METHOD	ANALYTICAL METHOD
Acid Digestion for Total Recoverable Metals	SW846 3005A	SW846 6010B
Bicarbonate Alkalinity	MCAWW 310.1	MCAWW 310.1
Chemical Oxygen Demand	MCAWW 410.4	MCAWW 410.4
Chloride	MCAWW 300.0A	MCAWW 300.0A
Continuous Liquid-Liquid Extraction	SW846 3520C	SW846 8270C
Distillation procedure	MCAWW 335.3	MCAWW 335.3
Distillation procedure	SM18 4500CN-E	SM18 4500-CN-I
Filterable Residue (TDS)	MCAWW 160.1	MCAWW 160.1
Fluoride	MCAWW 300.0A	MCAWW 300.0A
Mercury Sample Preparation	SW846 7470A	SW846 7470A
Potentiometric titration to preselected pH	MCAWW 310.1	MCAWW 310.1
Separatory Funnel	CFR136A 1664	CFR136A 1664A H
Specific Conductance	MCAWW 120.1	MCAWW 120.1
Sulfate	MCAWW 300.0A	MCAWW 300.0A
Sulfide, no preparation	MCAWW 376.2	MCAWW 376.2
Total Hardness	MCAWW 130.2	MCAWW 130.2
Total Organic Carbon	MCAWW 415.1	MCAWW 415.1
Total Organic Halogens	SW846 9020B	SW846 9020B
25 mL Purge-and-Trap	SW846 5030B/826	SW846 8260B

References:

CFR136A "Methods for Organic Chemical Analysis of Municipal and Industrial Wastewater", 40CFR, Part 136, Appendix A, October 26, 1984 and subsequent revisions.

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

SM18 "Standard Methods for the Examination of Water and Wastewater", 18th Edition, 1992.

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

ANALYTICAL METHODS SUMMARY

D4C050375

PARAMETER	ANALYTICAL METHOD
Alkalinity	MCAWW 310.1
Bicarbonate Alkalinity	MCAWW 310.1
Chemical Oxygen Demand	MCAWW 410.4
Chloride	MCAWW 300.0A
Filterable Residue (TDS)	MCAWW 160.1
Fluoride	MCAWW 300.0A
Free Cyanide (4500-CN-I) Free Cyanide (4500-CN-I)	SM18 4500-CN-I
Inductively Coupled Plasma (ICP) Metals	SW846 6010B
Mercury in Liquid Waste (Manual Cold-Vapor)	SW846 7470A
N-Hexane Extractable Material (1664A)	CFR136A 1664A HEM
Semivolatile Organic Compounds by GC/MS	SW846 8270C
Specific Conductance	MCAWW 120.1
Sulfate	MCAWW 300.0A
Sulfide (Colorimetric,MB)	MCAWW 376.2
Total Cyanide	MCAWW 335.3
Total Hardness (Titrimetric, EDTA)	MCAWW 130.2
Total Organic Carbon	MCAWW 415.1
Total Organic Halogens	SW846 9020B
Trace Inductively Coupled Plasma (ICP) Metals	SW846 6010B
Volatile Organics by GC/MS	SW846 8260B

References:

CFR136A "Methods for Organic Chemical Analysis of Municipal and Industrial Wastewater", 40CFR, Part 136, Appendix A, October 26, 1984 and subsequent revisions.

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

SM18 "Standard Methods for the Examination of Water and Wastewater", 18th Edition, 1992.

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

METHOD / ANALYST SUMMARY

D4C050375

ANALYTICAL METHOD	ANALYST	ANALYST ID
CFR136A 1664A HEM	Yupanqui Caldas	000999
MCAWW 120.1	Maria Fayard	002596
MCAWW 130.2	Duane Allee	001470
MCAWW 160.1	Jean Carrier	008763
MCAWW 300.0A	Andrita Scofield	004409
MCAWW 310.1	Maria Fayard	002596
MCAWW 335.3	Ewa Kudla	001167
MCAWW 376.2	Maria Fayard	002596
MCAWW 410.4	Nicole Dean	008504
MCAWW 415.1	Duane Allee	001470
SM18 4500-CN-I	Ewa Kudla	001167
SW846 6010B	Kristen Roda	005692
SW846 6010B	Kristen Roda	5692
SW846 6010B	Lynn-Anne Trudell	006645
SW846 6010B	Lynn-Anne Trudell	6645
SW846 7470A	Kacey Ono	003371
SW846 8260B	Mike G. Hoffman	001880
SW846 8270C	Rwanda Todea	005716
SW846 9020B	Duane Allee	001470

References:

CFR136A "Methods for Organic Chemical Analysis of Municipal and Industrial Wastewater", 40CFR, Part 136, Appendix A, October 26, 1984 and subsequent revisions.

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

SM18 "Standard Methods for the Examination of Water and Wastewater", 18th Edition, 1992.

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

SAMPLE SUMMARY

D4C050375

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
GAQ0N	001	SUMPC	03/04/04	11:05
GAQ1Q	002	SUMPD	03/04/04	11:50
GAQ1W	003	SUMPF	03/04/04	12:30
GAQ13	004	TRIP BLANK	03/04/04	14:30

NOTE(S):

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

WASTE MANAGEMENT INC.

Client Sample ID: SUMPC

GC/MS Volatiles

Lot-Sample #...: D4C050375-001 **Work Order #...:** GAQ0N1CK **Matrix.....:** WATER
Date Sampled...: 03/04/04 11:05 **Date Received..:** 03/05/04
Prep Date.....: 03/16/04 **Analysis Date..:** 03/16/04
Prep Batch #...: 4079421 **Analysis Time..:** 13:02
Dilution Factor: 2

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	68	ug/L	5.0
Acrylonitrile	ND	200	ug/L	6.2
Benzene	**5.8**	**2.0**	**ug/L**	**0.34**
Bromochloromethane	ND	20	ug/L	0.54
Bromodichloromethane	ND	10	ug/L	0.40
Bromoform	ND	10	ug/L	0.46
Bromomethane	ND	20	ug/L	0.44
Carbon disulfide	ND	10	ug/L	0.48
Carbon tetrachloride	ND	1.0	ug/L	0.40
Chlorobenzene	**2.0 J**	**10**	**ug/L**	**0.26**
Dibromochloromethane	ND	10	ug/L	0.38
Chloroethane	ND	20	ug/L	0.36
Chloroform	ND	10	ug/L	0.34
Chloromethane	ND	20	ug/L	1.8
Dibromomethane	ND	20	ug/L	0.62
1,2-Dichlorobenzene	**2.1 J**	**20**	**ug/L**	**0.30**
1,4-Dichlorobenzene	**14 J**	**20**	**ug/L**	**0.32**
trans-1,4-Dichloro-2-butene	ND	20	ug/L	0.90
Dichlorodifluoromethane	ND	20	ug/L	0.44
1,1-Dichloroethane	**3.6 J**	**10**	**ug/L**	**0.44**
1,2-Dichloroethane	**0.81 J**	**10**	**ug/L**	**0.52**
1,1-Dichloroethene	ND	2.0	ug/L	0.46
cis-1,2-Dichloroethene	**2.3 J**	**20**	**ug/L**	**0.28**
trans-1,2-Dichloroethene	ND	20	ug/L	0.30
1,2-Dichloropropane	**2.5 J**	**10**	**ug/L**	**0.36**
cis-1,3-Dichloropropene	ND	10	ug/L	0.38
trans-1,3-Dichloropropene	ND	10	ug/L	0.40
Ethylbenzene	**23**	**10**	**ug/L**	**0.24**
Trichlorofluoromethane	ND	20	ug/L	0.48
2-Hexanone	ND	10	ug/L	3.4
Iodomethane	ND	20	ug/L	0.38
Methylene chloride	**1.6 J,B**	**10**	**ug/L**	**0.42**
4-Methyl-2-pentanone	ND	20	ug/L	2.0
Styrene	ND	10	ug/L	0.28
1,1,1,2-Tetrachloroethane	ND	10	ug/L	0.42
1,1,2,2-Tetrachloroethane	ND	10	ug/L	0.42
Tetrachloroethene	ND	10	ug/L	0.52

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WASTE MANAGEMENT INC.

Client Sample ID: SUMPC

GC/MS Volatiles

Lot-Sample #...: D4C050375-001 **Work Order #...:** GAQ0N1CK **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Toluene	**36**	**2.0**	**ug/L**	**0.30**
1,1,1-Trichloroethane	ND	10	ug/L	0.32
1,1,2-Trichloroethane	ND	10	ug/L	0.54
Trichloroethene	ND	10	ug/L	0.32
1,2,3-Trichloropropane	ND	20	ug/L	0.66
Vinyl acetate	ND	20	ug/L	1.1
Vinyl chloride	**3.2**	**2.0**	**ug/L**	**0.38**
Xylenes (total)	**23**	**20**	**ug/L**	**0.82**
1,2-Dibromo-3-chloropropane (DBCP)	ND	20	ug/L	0.94
1,2-Dibromoethane (EDB)	ND	2.0	ug/L	0.36
2-Butanone (MEK)	**23**	**20**	**ug/L**	**4.0**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	100	(76 - 116)
1,2-Dichloroethane-d4	94	(59 - 129)
4-Bromofluorobenzene	103	(74 - 114)
Toluene-d8	103	(76 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

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

WASTE MANAGEMENT INC.

Client Sample ID: SUMPD

GC/MS Volatiles

Lot-Sample #...: D4C050375-002 **Work Order #...:** GAQ1Q1CK **Matrix.....:** WATER
Date Sampled...: 03/04/04 11:50 **Date Received..:** 03/05/04
Prep Date.....: 03/16/04 **Analysis Date..:** 03/16/04
Prep Batch #...: 4079421 **Analysis Time..:** 13:22
Dilution Factor: 20

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	**280 J**	**680**	**ug/L**	**50**
Acrylonitrile	ND	2000	ug/L	62
Benzene	ND	20	ug/L	3.4
Bromochloromethane	ND	200	ug/L	5.4
Bromodichloromethane	ND	100	ug/L	4.0
Bromoform	ND	100	ug/L	4.6
Bromomethane	ND	200	ug/L	4.4
Carbon disulfide	ND	100	ug/L	4.8
Carbon tetrachloride	ND	10	ug/L	4.0
Chlorobenzene	ND	100	ug/L	2.6
Dibromochloromethane	ND	100	ug/L	3.8
Chloroethane	ND	200	ug/L	3.6
Chloroform	ND	100	ug/L	3.4
Chloromethane	ND	200	ug/L	18
Dibromomethane	ND	200	ug/L	6.2
1,2-Dichlorobenzene	ND	200	ug/L	3.0
1,4-Dichlorobenzene	**12 J**	**200**	**ug/L**	**3.2**
trans-1,4-Dichloro-2-butene	ND	200	ug/L	9.0
Dichlorodifluoromethane	ND	200	ug/L	4.4
1,1-Dichloroethane	ND	100	ug/L	4.4
1,2-Dichloroethane	ND	100	ug/L	5.2
1,1-Dichloroethene	ND	20	ug/L	4.6
cis-1,2-Dichloroethene	ND	200	ug/L	2.8
trans-1,2-Dichloroethene	ND	200	ug/L	3.0
1,2-Dichloropropane	ND	100	ug/L	3.6
cis-1,3-Dichloropropene	ND	100	ug/L	3.8
trans-1,3-Dichloropropene	ND	100	ug/L	4.0
Ethylbenzene	**13 J**	**100**	**ug/L**	**2.4**
Trichlorofluoromethane	ND	200	ug/L	4.8
2-Hexanone	ND	100	ug/L	34
Iodomethane	ND	200	ug/L	3.8
Methylene chloride	**13 J,B**	**100**	**ug/L**	**4.2**
4-Methyl-2-pentanone	**27 J**	**200**	**ug/L**	**20**
Styrene	**740**	**100**	**ug/L**	**2.8**
1,1,1,2-Tetrachloroethane	ND	100	ug/L	4.2
1,1,2,2-Tetrachloroethane	ND	100	ug/L	4.2
Tetrachloroethene	ND	100	ug/L	5.2

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WASTE MANAGEMENT INC.

Client Sample ID: SUMPD

GC/MS Volatiles

Lot-Sample #...: D4C050375-002 **Work Order #...:** GAQ1Q1CK **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Toluene	**14 J**	**20**	**ug/L**	**3.0**
1,1,1-Trichloroethane	ND	100	ug/L	3.2
1,1,2-Trichloroethane	ND	100	ug/L	5.4
Trichloroethene	ND	100	ug/L	3.2
1,2,3-Trichloropropane	ND	200	ug/L	6.6
Vinyl acetate	ND	200	ug/L	11
Vinyl chloride	ND	20	ug/L	3.8
Xylenes (total)	**36 J**	**200**	**ug/L**	**8.2**
1,2-Dibromo-3-chloropropane (DBCP)	ND	200	ug/L	9.4
1,2-Dibromoethane (EDB)	ND	20	ug/L	3.6
2-Butanone (MEK)	**350**	**200**	**ug/L**	**40**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	90	(76 - 116)
1,2-Dichloroethane-d4	82	(59 - 129)
4-Bromofluorobenzene	94	(74 - 114)
Toluene-d8	97	(76 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

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

WASTE MANAGEMENT INC.

Client Sample ID: SUMPF

GC/MS Volatiles

Lot-Sample #...: D4C050375-003 **Work Order #...:** GAQ1W1CK **Matrix.....:** WATER
Date Sampled...: 03/04/04 12:30 **Date Received..:** 03/05/04
Prep Date.....: 03/16/04 **Analysis Date..:** 03/16/04
Prep Batch #...: 4079421 **Analysis Time..:** 14:43
Dilution Factor: 2.5

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	**260**	**85**	**ug/L**	**6.2**
Acrylonitrile	ND	250	ug/L	7.8
Benzene	**4.4**	**2.5**	**ug/L**	**0.42**
Bromochloromethane	ND	25	ug/L	0.68
Bromodichloromethane	ND	12	ug/L	0.50
Bromoform	ND	12	ug/L	0.58
Bromomethane	ND	25	ug/L	0.55
Carbon disulfide	ND	12	ug/L	0.60
Carbon tetrachloride	ND	1.2	ug/L	0.50
Chlorobenzene	**2.2 J**	**12**	**ug/L**	**0.32**
Dibromochloromethane	ND	12	ug/L	0.48
Chloroethane	**1.5 J**	**25**	**ug/L**	**0.45**
Chloroform	ND	12	ug/L	0.42
Chloromethane	ND	25	ug/L	2.3
Dibromomethane	ND	25	ug/L	0.78
1,2-Dichlorobenzene	**0.53 J**	**25**	**ug/L**	**0.38**
1,4-Dichlorobenzene	**7.6 J**	**25**	**ug/L**	**0.40**
trans-1,4-Dichloro-2-butene	ND	25	ug/L	1.1
Dichlorodifluoromethane	ND	25	ug/L	0.55
1,1-Dichloroethane	**1.9 J**	**12**	**ug/L**	**0.55**
1,2-Dichloroethane	ND	12	ug/L	0.65
1,1-Dichloroethene	ND	2.5	ug/L	0.58
cis-1,2-Dichloroethene	**2.3 J**	**25**	**ug/L**	**0.35**
trans-1,2-Dichloroethene	ND	25	ug/L	0.38
1,2-Dichloropropane	**0.86 J**	**12**	**ug/L**	**0.45**
cis-1,3-Dichloropropene	ND	12	ug/L	0.48
trans-1,3-Dichloropropene	ND	12	ug/L	0.50
Ethylbenzene	**13**	**12**	**ug/L**	**0.30**
Trichlorofluoromethane	ND	25	ug/L	0.60
2-Hexanone	ND	12	ug/L	4.2
Iodomethane	ND	25	ug/L	0.48
Methylene chloride	**4.3 J,B**	**12**	**ug/L**	**0.52**
4-Methyl-2-pentanone	**13 J**	**25**	**ug/L**	**2.4**
Styrene	ND	12	ug/L	0.35
1,1,1,2-Tetrachloroethane	ND	12	ug/L	0.52
1,1,2,2-Tetrachloroethane	ND	12	ug/L	0.52
Tetrachloroethene	**0.80 J**	**12**	**ug/L**	**0.65**

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WASTE MANAGEMENT INC.

Client Sample ID: SUMPF

GC/MS Volatiles

Lot-Sample #...: D4C050375-003 **Work Order #...:** GAQ1W1CK **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Toluene	**42**	**2.5**	**ug/L**	**0.38**
1,1,1-Trichloroethane	ND	12	ug/L	0.40
1,1,2-Trichloroethane	ND	12	ug/L	0.68
Trichloroethene	**1.2 J**	**12**	**ug/L**	**0.40**
1,2,3-Trichloropropane	ND	25	ug/L	0.82
Vinyl acetate	ND	25	ug/L	1.4
Vinyl chloride	**2.0 J**	**2.5**	**ug/L**	**0.48**
Xylenes (total)	**30**	**25**	**ug/L**	**1.0**
1,2-Dibromo-3-chloropropane (DBCP)	ND	25	ug/L	1.2
1,2-Dibromoethane (EDB)	ND	2.5	ug/L	0.45
2-Butanone (MEK)	**330**	**25**	**ug/L**	**5.0**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	95	(76 - 116)
1,2-Dichloroethane-d4	88	(59 - 129)
4-Bromofluorobenzene	95	(74 - 114)
Toluene-d8	95	(76 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

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

WASTE MANAGEMENT INC.

Client Sample ID: TRIP BLANK

GC/MS Volatiles

Lot-Sample #...: D4C050375-004 **Work Order #...:** GAQ131AA **Matrix.....:** WATER
Date Sampled...: 03/04/04 14:30 **Date Received..:** 03/05/04
Prep Date.....: 03/16/04 **Analysis Date..:** 03/16/04
Prep Batch #...: 4079421 **Analysis Time..:** 15:03
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	34	ug/L	2.5
Acrylonitrile	ND	100	ug/L	3.1
Benzene	ND	1.0	ug/L	0.17
Bromochloromethane	ND	10	ug/L	0.27
Bromodichloromethane	ND	5.0	ug/L	0.20
Bromoform	ND	5.0	ug/L	0.23
Bromomethane	ND	10	ug/L	0.22
Carbon disulfide	ND	5.0	ug/L	0.24
Carbon tetrachloride	ND	0.50	ug/L	0.20
Chlorobenzene	ND	5.0	ug/L	0.13
Dibromochloromethane	ND	5.0	ug/L	0.19
Chloroethane	ND	10	ug/L	0.18
Chloroform	ND	5.0	ug/L	0.17
Chloromethane	ND	10	ug/L	0.91
Dibromomethane	ND	10	ug/L	0.31
1,2-Dichlorobenzene	ND	10	ug/L	0.15
1,4-Dichlorobenzene	ND	10	ug/L	0.16
trans-1,4-Dichloro-2-butene	ND	10	ug/L	0.45
Dichlorodifluoromethane	ND	10	ug/L	0.22
1,1-Dichloroethane	ND	5.0	ug/L	0.22
1,2-Dichloroethane	ND	5.0	ug/L	0.26
1,1-Dichloroethene	ND	1.0	ug/L	0.23
cis-1,2-Dichloroethene	ND	10	ug/L	0.14
trans-1,2-Dichloroethene	ND	10	ug/L	0.15
1,2-Dichloropropane	ND	5.0	ug/L	0.18
cis-1,3-Dichloropropene	ND	5.0	ug/L	0.19
trans-1,3-Dichloropropene	ND	5.0	ug/L	0.20
Ethylbenzene	ND	5.0	ug/L	0.12
Trichlorofluoromethane	ND	10	ug/L	0.24
2-Hexanone	ND	5.0	ug/L	1.7
Iodomethane	ND	10	ug/L	0.19
Methylene chloride	**0.79 J,B**	**5.0**	**ug/L**	**0.21**
4-Methyl-2-pentanone	ND	10	ug/L	0.98
Styrene	ND	5.0	ug/L	0.14
1,1,1,2-Tetrachloroethane	ND	5.0	ug/L	0.21
1,1,2,2-Tetrachloroethane	ND	5.0	ug/L	0.21
Tetrachloroethene	ND	5.0	ug/L	0.26

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WASTE MANAGEMENT INC.

Client Sample ID: TRIP BLANK

GC/MS Volatiles

Lot-Sample #...: D4C050375-004 **Work Order #...:** GAQ131AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Toluene	ND	1.0	ug/L	0.15
1,1,1-Trichloroethane	ND	5.0	ug/L	0.16
1,1,2-Trichloroethane	ND	5.0	ug/L	0.27
Trichloroethene	ND	5.0	ug/L	0.16
1,2,3-Trichloropropane	ND	10	ug/L	0.33
Vinyl acetate	ND	10	ug/L	0.56
Vinyl chloride	ND	1.0	ug/L	0.19
Xylenes (total)	ND	10	ug/L	0.41
1,2-Dibromo-3-chloropropane (DBCP)	ND	10	ug/L	0.47
1,2-Dibromoethane (EDB)	ND	1.0	ug/L	0.18
2-Butanone (MEK)	ND	10	ug/L	2.0

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	101	(76 - 116)
1,2-Dichloroethane-d4	91	(59 - 129)
4-Bromofluorobenzene	106	(74 - 114)
Toluene-d8	102	(76 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

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

WASTE MANAGEMENT INC.

Client Sample ID: SUMPC

GC/MS Semivolatiles

Lot-Sample #...: D4C050375-001 **Work Order #...:** GAQ0N1A9 **Matrix.....:** WATER
Date Sampled...: 03/04/04 11:05 **Date Received..:** 03/05/04
Prep Date.....: 03/07/04 **Analysis Date..:** 03/10/04
Prep Batch #...: 4067115 **Analysis Time..:** 18:37
Dilution Factor: 1

Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acenaphthene	ND	10	ug/L	0.60
Acenaphthylene	ND	10	ug/L	0.60
Acetophenone	ND	10	ug/L	2.0
2-Acetylaminofluorene	ND	100	ug/L	2.0
4-Aminobiphenyl	ND	50	ug/L	2.0
Anthracene	ND	10	ug/L	3.0
Benzo(a)anthracene	ND	10	ug/L	0.80
Benzo(b)fluoranthene	ND	10	ug/L	0.90
Benzo(k)fluoranthene	ND	10	ug/L	2.0
Benzo(ghi)perylene	ND	10	ug/L	1.0
Benzo(a)pyrene	ND	10	ug/L	0.80
Benzyl alcohol	ND	10	ug/L	1.0
bis(2-Chloroethoxy) methane	ND	10	ug/L	0.90
bis(2-Chloroethyl)-ether	ND	10	ug/L	3.0
bis(2-Ethylhexyl) phthalate	ND	10	ug/L	0.90
4-Bromophenyl phenyl ether	ND	10	ug/L	0.70
Butyl benzyl phthalate	ND	10	ug/L	1.0
4-Chloroaniline	ND	10	ug/L	3.0
Chlorobenzilate	ND	10	ug/L	2.0
4-Chloro-3-methylphenol	ND	10	ug/L	0.80
2-Chloronaphthalene	ND	10	ug/L	0.70
2-Chlorophenol	ND	10	ug/L	0.80
4-Chlorophenyl phenyl ether	ND	10	ug/L	0.60
Chrysene	ND	10	ug/L	0.80
Diallate	ND	20	ug/L	2.0
Dibenz(a,h)anthracene	ND	10	ug/L	0.90
Dibenzofuran	ND	10	ug/L	0.60
Di-n-butyl phthalate	ND	10	ug/L	0.80
3,3'-Dichlorobenzidine	ND	50	ug/L	8.0
2,4-Dichlorophenol	ND	10	ug/L	0.70
2,6-Dichlorophenol	ND	10	ug/L	2.0
Diethyl phthalate	ND	10	ug/L	0.70
Dimethoate	ND	20	ug/L	2.0

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WASTE MANAGEMENT INC.

Client Sample ID: SUMPC

GC/MS Semivolatiles

Lot-Sample #...: D4C050375-001 **Work Order #...:** GAQ0N1A9 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
4-Dimethylaminoazobenzene	ND	20	ug/L	2.0
7,12-Dimethylbenz(a)-anthracene	ND	20	ug/L	3.0
3,3'-Dimethylbenzidine	ND	20	ug/L	4.0
2,4-Dimethylphenol	ND	10	ug/L	4.0
Dimethyl phthalate	ND	10	ug/L	0.80
1,3-Dinitrobenzene	ND	10	ug/L	2.0
4,6-Dinitro-2-methylphenol	ND	50	ug/L	6.0
2,4-Dinitrophenol	ND	50	ug/L	6.0
2,4-Dinitrotoluene	ND	10	ug/L	1.0
2,6-Dinitrotoluene	ND	10	ug/L	0.80
Dinoseb	ND	10	ug/L	2.0
Di-n-octyl phthalate	ND	10	ug/L	1.0
Diphenylamine	ND	10	ug/L	2.0
Disulfoton	ND	50	ug/L	2.0
Ethyl methanesulfonate	ND	10	ug/L	2.0
Famphur	ND	200	ug/L	9.0
Fluoranthene	ND	10	ug/L	0.70
Fluorene	ND	10	ug/L	0.60
Hexachlorobenzene	ND	10	ug/L	0.80
Hexachlorobutadiene	ND	10	ug/L	1.0
Hexachlorocyclopenta-diene	ND	50	ug/L	5.0
Hexachloroethane	ND	10	ug/L	0.80
Hexachloropropene	ND	100	ug/L	1.0
Indeno(1,2,3-cd)pyrene	ND	10	ug/L	0.80
Isodrin	ND	10	ug/L	5.0
Isophorone	ND	10	ug/L	0.90
Isosafrole	ND	20	ug/L	3.0
Methapyrilene	ND	50	ug/L	20
3-Methylcholanthrene	ND	20	ug/L	1.0
Methyl methanesulfonate	ND	10	ug/L	2.0
2-Methylnaphthalene	**6.4 J**	**10**	**ug/L**	**0.80**
Methyl parathion	ND	50	ug/L	2.0
2-Methylphenol	ND	10	ug/L	0.90
3-Methylphenol & 4-Methylphenol	ND	10	ug/L	0.80
Naphthalene	**13**	**10**	**ug/L**	**0.80**
1,4-Naphthoquinone	ND	50	ug/L	2.0
1-Naphthylamine	ND	10	ug/L	1.0
2-Naphthylamine	ND	10	ug/L	1.0
2-Nitroaniline	ND	50	ug/L	0.90

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WASTE MANAGEMENT INC.

Client Sample ID: SUMPC

GC/MS Semivolatiles

Lot-Sample #...: D4C050375-001 **Work Order #...:** GAQ0N1A9 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
3-Nitroaniline	ND	50	ug/L	0.90
4-Nitroaniline	ND	50	ug/L	6.0
Nitrobenzene	ND	10	ug/L	2.0
2-Nitrophenol	ND	10	ug/L	0.80
4-Nitrophenol	ND	50	ug/L	7.0
N-Nitrosodi-n-butylamine	ND	10	ug/L	2.0
N-Nitrosodiethylamine	ND	10	ug/L	2.0
N-Nitrosodimethylamine	ND	10	ug/L	0.80
N-Nitrosodiphenylamine	ND	10	ug/L	1.0
N-Nitrosodi-n-propyl-amine	ND	10	ug/L	0.70
N-Nitrosomethylethylamine	ND	10	ug/L	2.0
N-Nitrosopiperidine	ND	10	ug/L	2.0
N-Nitrosopyrrolidine	ND	10	ug/L	2.0
5-Nitro-o-toluidine	ND	20	ug/L	2.0
2,2'-oxybis(1-Chloropropane)	ND	10	ug/L	0.70
Parathion	ND	50	ug/L	2.0
Pentachlorobenzene	ND	10	ug/L	2.0
Pentachloronitrobenzene	ND	50	ug/L	2.0
Pentachlorophenol	ND	50	ug/L	5.0
Phenacetin	ND	20	ug/L	2.0
Phenanthrene	ND	10	ug/L	0.70
Phenol	ND	10	ug/L	0.90
4-Phenylenediamine	ND	100	ug/L	5.0
Phorate	ND	50	ug/L	2.0
Pronamide	ND	20	ug/L	2.0
Pyrene	ND	10	ug/L	0.80
Safrole	ND	50	ug/L	2.0
1,2,4,5-Tetrachloro-benzene	ND	10	ug/L	2.0
2,3,4,6-Tetrachlorophenol	ND	50	ug/L	2.0
Thionazin	ND	10	ug/L	2.0
o-Toluidine	ND	10	ug/L	2.0
1,2,4-Trichloro-benzene	ND	10	ug/L	0.90
2,4,5-Trichloro-phenol	ND	10	ug/L	1.0
2,4,6-Trichloro-phenol	ND	10	ug/L	0.80
O,O,O-Triethylphosphoro-thioate	ND	50	ug/L	2.0
1,3,5-Trinitrobenzene	ND	50	ug/L	2.0

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WASTE MANAGEMENT INC.

Client Sample ID: SUMPC

GC/MS Semivolatiles

Lot-Sample #...: D4C050375-001 **Work Order #...:** GAQ0N1A9 **Matrix.....:** WATER

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	71	(32 - 116)
Phenol-d5	75	(40 - 111)
Nitrobenzene-d5	75	(53 - 107)
2-Fluorobiphenyl	67	(31 - 105)
2,4,6-Tribromophenol	88	(42 - 122)
Terphenyl-d14	45	(21 - 125)

NOTE(S):

J Estimated result. Result is less than RL.

WASTE MANAGEMENT INC.

Client Sample ID: SUMPD

GC/MS Semivolatiles

Lot-Sample #...: D4C050375-002 **Work Order #...:** GAQ1Q1AL **Matrix.....:** WATER
Date Sampled...: 03/04/04 11:50 **Date Received..:** 03/05/04
Prep Date.....: 03/07/04 **Analysis Date..:** 03/10/04
Prep Batch #...: 4067115 **Analysis Time..:** 19:03
Dilution Factor: 1

Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acenaphthene	ND	10	ug/L	0.60
Acenaphthylene	ND	10	ug/L	0.60
Acetophenone	**11**	**10**	**ug/L**	**2.0**
2-Acetylaminofluorene	ND	100	ug/L	2.0
4-Aminobiphenyl	ND	50	ug/L	2.0
Anthracene	ND	10	ug/L	3.0
Benzo(a)anthracene	ND	10	ug/L	0.80
Benzo(b)fluoranthene	ND	10	ug/L	0.90
Benzo(k)fluoranthene	ND	10	ug/L	2.0
Benzo(ghi)perylene	ND	10	ug/L	1.0
Benzo(a)pyrene	ND	10	ug/L	0.80
Benzyl alcohol	ND	10	ug/L	1.0
bis(2-Chloroethoxy) methane	ND	10	ug/L	0.90
bis(2-Chloroethyl)-ether	ND	10	ug/L	3.0
bis(2-Ethylhexyl) phthalate	**37**	**10**	**ug/L**	**0.90**
4-Bromophenyl phenyl ether	ND	10	ug/L	0.70
Butyl benzyl phthalate	ND	10	ug/L	1.0
4-Chloroaniline	ND	10	ug/L	3.0
Chlorobenzilate	ND	10	ug/L	2.0
4-Chloro-3-methylphenol	ND	10	ug/L	0.80
2-Chloronaphthalene	ND	10	ug/L	0.70
2-Chlorophenol	ND	10	ug/L	0.80
4-Chlorophenyl phenyl ether	ND	10	ug/L	0.60
Chrysene	ND	10	ug/L	0.80
Diallate	ND	20	ug/L	2.0
Dibenz(a,h)anthracene	ND	10	ug/L	0.90
Dibenzofuran	ND	10	ug/L	0.60
Di-n-butyl phthalate	ND	10	ug/L	0.80
3,3'-Dichlorobenzidine	ND	50	ug/L	8.0
2,4-Dichlorophenol	ND	10	ug/L	0.70
2,6-Dichlorophenol	ND	10	ug/L	2.0
Diethyl phthalate	ND	10	ug/L	0.70
Dimethoate	ND	20	ug/L	2.0

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WASTE MANAGEMENT INC.

Client Sample ID: SUMPD

GC/MS Semivolatiles

Lot-Sample #...: D4C050375-002 **Work Order #...:** GAQ1Q1AL **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
4-Dimethylaminoazobenzene	ND	20	ug/L	2.0
7,12-Dimethylbenz(a)-anthracene	ND	20	ug/L	3.0
3,3'-Dimethylbenzidine	ND	20	ug/L	4.0
2,4-Dimethylphenol	ND	10	ug/L	4.0
Dimethyl phthalate	ND	10	ug/L	0.80
1,3-Dinitrobenzene	ND	10	ug/L	2.0
4,6-Dinitro-2-methylphenol	ND	50	ug/L	6.0
2,4-Dinitrophenol	ND	50	ug/L	6.0
2,4-Dinitrotoluene	ND	10	ug/L	1.0
2,6-Dinitrotoluene	ND	10	ug/L	0.80
Dinoseb	ND	10	ug/L	2.0
Di-n-octyl phthalate	ND	10	ug/L	1.0
Diphenylamine	ND	10	ug/L	2.0
Disulfoton	ND	50	ug/L	2.0
Ethyl methanesulfonate	ND	10	ug/L	2.0
Famphur	ND	200	ug/L	9.0
Fluoranthene	ND	10	ug/L	0.70
Fluorene	ND	10	ug/L	0.60
Hexachlorobenzene	ND	10	ug/L	0.80
Hexachlorobutadiene	ND	10	ug/L	1.0
Hexachlorocyclopenta-diene	ND	50	ug/L	5.0
Hexachloroethane	ND	10	ug/L	0.80
Hexachloropropene	ND	100	ug/L	1.0
Indeno(1,2,3-cd)pyrene	ND	10	ug/L	0.80
Isodrin	ND	10	ug/L	5.0
Isophorone	ND	10	ug/L	0.90
Isosafrole	ND	20	ug/L	3.0
Methapyrilene	ND	50	ug/L	20
3-Methylcholanthrene	ND	20	ug/L	1.0
Methyl methanesulfonate	ND	10	ug/L	2.0
2-Methylnaphthalene	ND	10	ug/L	0.80
Methyl parathion	ND	50	ug/L	2.0
2-Methylphenol	ND	10	ug/L	0.90
3-Methylphenol & 4-Methylphenol	ND	10	ug/L	0.80
Naphthalene	**4.9 J**	**10**	**ug/L**	**0.80**
1,4-Naphthoquinone	ND	50	ug/L	2.0
1-Naphthylamine	ND	10	ug/L	1.0
2-Naphthylamine	ND	10	ug/L	1.0
2-Nitroaniline	ND	50	ug/L	0.90

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WASTE MANAGEMENT INC.

Client Sample ID: SUMPD

GC/MS Semivolatiles

Lot-Sample #...: D4C050375-002 **Work Order #...:** GAQ1Q1AL **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
3-Nitroaniline	ND	50	ug/L	0.90
4-Nitroaniline	ND	50	ug/L	6.0
Nitrobenzene	ND	10	ug/L	2.0
2-Nitrophenol	ND	10	ug/L	0.80
4-Nitrophenol	ND	50	ug/L	7.0
N-Nitrosodi-n-butylamine	ND	10	ug/L	2.0
N-Nitrosodiethylamine	ND	10	ug/L	2.0
N-Nitrosodimethylamine	ND	10	ug/L	0.80
N-Nitrosodiphenylamine	ND	10	ug/L	1.0
N-Nitrosodi-n-propyl-amine	ND	10	ug/L	0.70
N-Nitrosomethylethylamine	ND	10	ug/L	2.0
N-Nitrosopiperidine	ND	10	ug/L	2.0
N-Nitrosopyrrolidine	ND	10	ug/L	2.0
5-Nitro-o-toluidine	ND	20	ug/L	2.0
2,2'-oxybis(1-Chloropropane)	ND	10	ug/L	0.70
Parathion	ND	50	ug/L	2.0
Pentachlorobenzene	ND	10	ug/L	2.0
Pentachloronitrobenzene	ND	50	ug/L	2.0
Pentachlorophenol	ND	50	ug/L	5.0
Phenacetin	ND	20	ug/L	2.0
Phenanthrene	ND	10	ug/L	0.70
Phenol	ND	10	ug/L	0.90
4-Phenylenediamine	ND	100	ug/L	5.0
Phorate	ND	50	ug/L	2.0
Pronamide	ND	20	ug/L	2.0
Pyrene	ND	10	ug/L	0.80
Safrole	ND	50	ug/L	2.0
1,2,4,5-Tetrachloro-benzene	ND	10	ug/L	2.0
2,3,4,6-Tetrachlorophenol	ND	50	ug/L	2.0
Thionazin	ND	10	ug/L	2.0
o-Toluidine	ND	10	ug/L	2.0
1,2,4-Trichloro-benzene	ND	10	ug/L	0.90
2,4,5-Trichloro-phenol	ND	10	ug/L	1.0
2,4,6-Trichloro-phenol	ND	10	ug/L	0.80
O,O,O-Triethylphosphoro-thioate	ND	50	ug/L	2.0
1,3,5-Trinitrobenzene	ND	50	ug/L	2.0

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WASTE MANAGEMENT INC.

Client Sample ID: SUMPD

GC/MS Semivolatiles

Lot-Sample #...: D4C050375-002 **Work Order #...:** GAQ1Q1AL **Matrix.....:** WATER

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	71	(32 - 116)
Phenol-d5	75	(40 - 111)
Nitrobenzene-d5	87	(53 - 107)
2-Fluorobiphenyl	48	(31 - 105)
2,4,6-Tribromophenol	97	(42 - 122)
Terphenyl-d14	15 *	(21 - 125)

NOTE(S):

* Surrogate recovery is outside stated control limits.

J Estimated result. Result is less than RL.

WASTE MANAGEMENT INC.

Client Sample ID: SUMPF

GC/MS Semivolatiles

Lot-Sample #...: D4C050375-003 **Work Order #...:** GAQ1W1AL **Matrix.....:** WATER
Date Sampled...: 03/04/04 12:30 **Date Received..:** 03/05/04
Prep Date.....: 03/07/04 **Analysis Date..:** 03/10/04
Prep Batch #...: 4067115 **Analysis Time..:** 19:30
Dilution Factor: 1

Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acenaphthene	ND	10	ug/L	0.60
Acenaphthylene	ND	10	ug/L	0.60
Acetophenone	**2.8 J**	**10**	**ug/L**	**2.0**
2-Acetylaminofluorene	ND	100	ug/L	2.0
4-Aminobiphenyl	ND	50	ug/L	2.0
Anthracene	ND	10	ug/L	3.0
Benzo(a)anthracene	ND	10	ug/L	0.80
Benzo(b)fluoranthene	ND	10	ug/L	0.90
Benzo(k)fluoranthene	ND	10	ug/L	2.0
Benzo(ghi)perylene	ND	10	ug/L	1.0
Benzo(a)pyrene	ND	10	ug/L	0.80
Benzyl alcohol	ND	10	ug/L	1.0
bis(2-Chloroethoxy) methane	ND	10	ug/L	0.90
bis(2-Chloroethyl)-ether	ND	10	ug/L	3.0
bis(2-Ethylhexyl) phthalate	**15**	**10**	**ug/L**	**0.90**
4-Bromophenyl phenyl ether	ND	10	ug/L	0.70
Butyl benzyl phthalate	ND	10	ug/L	1.0
4-Chloroaniline	ND	10	ug/L	3.0
Chlorobenzilate	ND	10	ug/L	2.0
4-Chloro-3-methylphenol	ND	10	ug/L	0.80
2-Chloronaphthalene	ND	10	ug/L	0.70
2-Chlorophenol	ND	10	ug/L	0.80
4-Chlorophenyl phenyl ether	ND	10	ug/L	0.60
Chrysene	ND	10	ug/L	0.80
Diallate	ND	20	ug/L	2.0
Dibenz(a,h)anthracene	ND	10	ug/L	0.90
Dibenzofuran	ND	10	ug/L	0.60
Di-n-butyl phthalate	ND	10	ug/L	0.80
3,3'-Dichlorobenzidine	ND	50	ug/L	8.0
2,4-Dichlorophenol	ND	10	ug/L	0.70
2,6-Dichlorophenol	ND	10	ug/L	2.0
Diethyl phthalate	ND	10	ug/L	0.70
Dimethoate	ND	20	ug/L	2.0

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WASTE MANAGEMENT INC.

Client Sample ID: SUMPF

GC/MS Semivolatiles

Lot-Sample #...: D4C050375-003 **Work Order #...:** GAQ1W1AL **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
4-Dimethylaminoazobenzene	ND	20	ug/L	2.0
7,12-Dimethylbenz(a)-anthracene	ND	20	ug/L	3.0
3,3'-Dimethylbenzidine	ND	20	ug/L	4.0
2,4-Dimethylphenol	ND	10	ug/L	4.0
Dimethyl phthalate	ND	10	ug/L	0.80
1,3-Dinitrobenzene	ND	10	ug/L	2.0
4,6-Dinitro-2-methylphenol	ND	50	ug/L	6.0
2,4-Dinitrophenol	ND	50	ug/L	6.0
2,4-Dinitrotoluene	ND	10	ug/L	1.0
2,6-Dinitrotoluene	ND	10	ug/L	0.80
Dinoseb	ND	10	ug/L	2.0
Di-n-octyl phthalate	ND	10	ug/L	1.0
Diphenylamine	ND	10	ug/L	2.0
Disulfoton	ND	50	ug/L	2.0
Ethyl methanesulfonate	ND	10	ug/L	2.0
Famphur	ND	200	ug/L	9.0
Fluoranthene	ND	10	ug/L	0.70
Fluorene	ND	10	ug/L	0.60
Hexachlorobenzene	ND	10	ug/L	0.80
Hexachlorobutadiene	ND	10	ug/L	1.0
Hexachlorocyclopenta-diene	ND	50	ug/L	5.0
Hexachloroethane	ND	10	ug/L	0.80
Hexachloropropene	ND	100	ug/L	1.0
Indeno(1,2,3-cd)pyrene	ND	10	ug/L	0.80
Isodrin	ND	10	ug/L	5.0
Isophorone	ND	10	ug/L	0.90
Isosafrole	ND	20	ug/L	3.0
Methapyrilene	ND	50	ug/L	20
3-Methylcholanthrene	ND	20	ug/L	1.0
Methyl methanesulfonate	ND	10	ug/L	2.0
2-Methylnaphthalene	ND	10	ug/L	0.80
Methyl parathion	ND	50	ug/L	2.0
2-Methylphenol	ND	10	ug/L	0.90
3-Methylphenol & 4-Methylphenol	**76**	**10**	**ug/L**	**0.80**
Naphthalene	**4.4 J**	**10**	**ug/L**	**0.80**
1,4-Naphthoquinone	ND	50	ug/L	2.0
1-Naphthylamine	ND	10	ug/L	1.0
2-Naphthylamine	ND	10	ug/L	1.0
2-Nitroaniline	ND	50	ug/L	0.90

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WASTE MANAGEMENT INC.

Client Sample ID: SUMPF

GC/MS Semivolatiles

Lot-Sample #...: D4C050375-003 **Work Order #...:** GAQ1W1AL **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
3-Nitroaniline	ND	50	ug/L	0.90
4-Nitroaniline	ND	50	ug/L	6.0
Nitrobenzene	ND	10	ug/L	2.0
2-Nitrophenol	ND	10	ug/L	0.80
4-Nitrophenol	ND	50	ug/L	7.0
N-Nitrosodi-n-butylamine	ND	10	ug/L	2.0
N-Nitrosodiethylamine	ND	10	ug/L	2.0
N-Nitrosodimethylamine	ND	10	ug/L	0.80
N-Nitrosodiphenylamine	ND	10	ug/L	1.0
N-Nitrosodi-n-propyl-amine	ND	10	ug/L	0.70
N-Nitrosomethylethylamine	ND	10	ug/L	2.0
N-Nitrosopiperidine	ND	10	ug/L	2.0
N-Nitrosopyrrolidine	ND	10	ug/L	2.0
5-Nitro-o-toluidine	ND	20	ug/L	2.0
2,2'-oxybis(1-Chloropropane)	ND	10	ug/L	0.70
Parathion	ND	50	ug/L	2.0
Pentachlorobenzene	ND	10	ug/L	2.0
Pentachloronitrobenzene	ND	50	ug/L	2.0
Pentachlorophenol	ND	50	ug/L	5.0
Phenacetin	ND	20	ug/L	2.0
Phenanthrene	ND	10	ug/L	0.70
Phenol	**35**	**10**	**ug/L**	**0.90**
4-Phenylenediamine	ND	100	ug/L	5.0
Phorate	ND	50	ug/L	2.0
Pronamide	ND	20	ug/L	2.0
Pyrene	ND	10	ug/L	0.80
Safrole	ND	50	ug/L	2.0
1,2,4,5-Tetrachloro-benzene	ND	10	ug/L	2.0
2,3,4,6-Tetrachlorophenol	ND	50	ug/L	2.0
Thionazin	ND	10	ug/L	2.0
o-Toluidine	ND	10	ug/L	2.0
1,2,4-Trichloro-benzene	ND	10	ug/L	0.90
2,4,5-Trichloro-phenol	ND	10	ug/L	1.0
2,4,6-Trichloro-phenol	ND	10	ug/L	0.80
O,O,O-Triethylphosphoro-thioate	ND	50	ug/L	2.0
1,3,5-Trinitrobenzene	ND	50	ug/L	2.0

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WASTE MANAGEMENT INC.

Client Sample ID: SUMPF

GC/MS Semivolatiles

Lot-Sample #...: D4C050375-003 **Work Order #...:** GAQ1W1AL **Matrix.....:** WATER

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	70	(32 - 116)
Phenol-d5	76	(40 - 111)
Nitrobenzene-d5	75	(53 - 107)
2-Fluorobiphenyl	56	(31 - 105)
2,4,6-Tribromophenol	85	(42 - 122)
Terphenyl-d14	30	(21 - 125)

NOTE(S):

J Estimated result. Result is less than RL.

WASTE MANAGEMENT INC.

Client Sample ID: SUMPC

TOTAL Metals

Lot-Sample #...: D4C050375-001 **Matrix.....:** WATER
Date Sampled...: 03/04/04 11:05 **Date Received..:** 03/05/04

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 4068266						
Mercury	ND	0.20	ug/L	SW846 7470A	03/11-03/12/04	GAQ0N1CE
		Dilution Factor: 1		Analysis Time..: 09:47	MDL.....: 0.054	
Prep Batch #...: 4069642						
Boron	**4000**	**100**	**ug/L**	**SW846 6010B**	**03/11-03/16/04**	**GAQ0N1AQ**
		Dilution Factor: 1		Analysis Time..: 05:06	MDL.....: 8.3	
Manganese	**1600**	**10**	**ug/L**	**SW846 6010B**	**03/11-03/13/04**	**GAQ0N1AR**
		Dilution Factor: 1		Analysis Time..: 13:59	MDL.....: 0.54	
Sodium	**620000**	**5000**	**ug/L**	**SW846 6010B**	**03/11-03/16/04**	**GAQ0N1AT**
		Dilution Factor: 1		Analysis Time..: 05:06	MDL.....: 1100	
Calcium	**440000**	**200**	**ug/L**	**SW846 6010B**	**03/11-03/16/04**	**GAQ0N1AU**
		Dilution Factor: 1		Analysis Time..: 05:06	MDL.....: 76	
Magnesium	**210000**	**200**	**ug/L**	**SW846 6010B**	**03/11-03/16/04**	**GAQ0N1AV**
		Dilution Factor: 1		Analysis Time..: 05:06	MDL.....: 27	
Iron	**20000**	**100**	**ug/L**	**SW846 6010B**	**03/11-03/13/04**	**GAQ0N1AW**
		Dilution Factor: 1		Analysis Time..: 13:59	MDL.....: 19	
Zinc	ND	20	ug/L	SW846 6010B	03/11-03/13/04	GAQ0N1AX
		Dilution Factor: 1		Analysis Time..: 13:59	MDL.....: 7.1	
Silver	**1.3 B,J**	**10**	**ug/L**	**SW846 6010B**	**03/11-03/13/04**	**GAQ0N1A1**
		Dilution Factor: 1		Analysis Time..: 13:59	MDL.....: 0.70	
Cadmium	**0.67 B**	**5.0**	**ug/L**	**SW846 6010B**	**03/11-03/13/04**	**GAQ0N1A2**
		Dilution Factor: 1		Analysis Time..: 13:59	MDL.....: 0.27	
Chromium	**8.6 B**	**10**	**ug/L**	**SW846 6010B**	**03/11-03/13/04**	**GAQ0N1A3**
		Dilution Factor: 1		Analysis Time..: 13:59	MDL.....: 2.1	
Copper	**3.6 B**	**10**	**ug/L**	**SW846 6010B**	**03/11-03/13/04**	**GAQ0N1A4**
		Dilution Factor: 1		Analysis Time..: 13:59	MDL.....: 0.97	
Nickel	**37 B**	**40**	**ug/L**	**SW846 6010B**	**03/11-03/13/04**	**GAQ0N1A5**
		Dilution Factor: 1		Analysis Time..: 13:59	MDL.....: 4.2	

(Continued on next page)

WASTE MANAGEMENT INC.

Client Sample ID: SUMPC

TOTAL Metals

Lot-Sample #...: D4C050375-001 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Lead	ND	3.0	ug/L	SW846 6010B	03/11-03/13/04	GAQ0N1A6
		Dilution Factor: 1		Analysis Time..: 13:59	MDL.....: 2.1	
Arsenic	**63**	**10**	**ug/L**	**SW846 6010B**	**03/11-03/13/04**	**GAQ0N1A8**
		Dilution Factor: 1		Analysis Time..: 13:59	MDL.....: 4.9	
Cobalt	**5.5 B**	**10**	**ug/L**	**SW846 6010B**	**03/11-03/13/04**	**GAQ0N1CA**
		Dilution Factor: 1		Analysis Time..: 13:59	MDL.....: 0.67	
Antimony	**5.0 B**	**10**	**ug/L**	**SW846 6010B**	**03/11-03/13/04**	**GAQ0N1CC**
		Dilution Factor: 1		Analysis Time..: 13:59	MDL.....: 3.6	
Selenium	ND	5.0	ug/L	SW846 6010B	03/11-03/13/04	GAQ0N1CD
		Dilution Factor: 1		Analysis Time..: 13:59	MDL.....: 4.6	
Beryllium	**1.2 B,J**	**5.0**	**ug/L**	**SW846 6010B**	**03/11-03/16/04**	**GAQ0N1CF**
		Dilution Factor: 1		Analysis Time..: 05:06	MDL.....: 0.41	
Barium	**2000**	**100**	**ug/L**	**SW846 6010B**	**03/11-03/13/04**	**GAQ0N1CG**
		Dilution Factor: 1		Analysis Time..: 13:59	MDL.....: 0.37	
Potassium	**99000 J,L**	**5000**	**ug/L**	**SW846 6010B**	**03/11-03/16/04**	**GAQ0N1CH**
		Dilution Factor: 1		Analysis Time..: 05:06	MDL.....: 460	

NOTE(S):

B Estimated result. Result is less than RL.

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

L Serial dilution of a digestate in the analytical batch indicates that physical and chemical interferences are present.

WASTE MANAGEMENT INC.

Client Sample ID: SUMPD

TOTAL Metals

Lot-Sample #...: D4C050375-002 **Matrix.....:** WATER
Date Sampled...: 03/04/04 11:50 **Date Received..:** 03/05/04

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 4068266						
Mercury	**0.26 B**	**0.80**	**ug/L**	**SW846 7470A**	**03/11-03/12/04**	**GAQ1Q1CE**
		Dilution Factor: 4		Analysis Time..: 09:53	MDL.....: 0.22	
Prep Batch #...: 4069642						
Boron	**6900**	**100**	**ug/L**	**SW846 6010B**	**03/11-03/16/04**	**GAQ1Q1A3**
		Dilution Factor: 1		Analysis Time..: 05:11	MDL.....: 8.3	
Manganese	**1200**	**10**	**ug/L**	**SW846 6010B**	**03/11-03/13/04**	**GAQ1Q1A4**
		Dilution Factor: 1		Analysis Time..: 14:03	MDL.....: 0.54	
Sodium	**940000**	**5000**	**ug/L**	**SW846 6010B**	**03/11-03/16/04**	**GAQ1Q1A5**
		Dilution Factor: 1		Analysis Time..: 05:11	MDL.....: 1100	
Calcium	**280000**	**200**	**ug/L**	**SW846 6010B**	**03/11-03/16/04**	**GAQ1Q1A6**
		Dilution Factor: 1		Analysis Time..: 05:11	MDL.....: 76	
Magnesium	**130000**	**200**	**ug/L**	**SW846 6010B**	**03/11-03/16/04**	**GAQ1Q1A7**
		Dilution Factor: 1		Analysis Time..: 05:11	MDL.....: 27	
Iron	**10000**	**100**	**ug/L**	**SW846 6010B**	**03/11-03/13/04**	**GAQ1Q1A8**
		Dilution Factor: 1		Analysis Time..: 14:03	MDL.....: 19	
Zinc	**260**	**20**	**ug/L**	**SW846 6010B**	**03/11-03/13/04**	**GAQ1Q1A9**
		Dilution Factor: 1		Analysis Time..: 14:03	MDL.....: 7.1	
Silver	**1.2 B,J**	**10**	**ug/L**	**SW846 6010B**	**03/11-03/13/04**	**GAQ1Q1AC**
		Dilution Factor: 1		Analysis Time..: 14:03	MDL.....: 0.70	
Cadmium	**1.2 B**	**5.0**	**ug/L**	**SW846 6010B**	**03/11-03/13/04**	**GAQ1Q1AD**
		Dilution Factor: 1		Analysis Time..: 14:03	MDL.....: 0.27	
Chromium	**62**	**10**	**ug/L**	**SW846 6010B**	**03/11-03/13/04**	**GAQ1Q1AE**
		Dilution Factor: 1		Analysis Time..: 14:03	MDL.....: 2.1	
Copper	**11**	**10**	**ug/L**	**SW846 6010B**	**03/11-03/13/04**	**GAQ1Q1AF**
		Dilution Factor: 1		Analysis Time..: 14:03	MDL.....: 0.97	
Nickel	**140**	**40**	**ug/L**	**SW846 6010B**	**03/11-03/13/04**	**GAQ1Q1AG**
		Dilution Factor: 1		Analysis Time..: 14:03	MDL.....: 4.2	

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WASTE MANAGEMENT INC.

Client Sample ID: SUMPD

TOTAL Metals

Lot-Sample #...: D4C050375-002 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Lead	**27**	**3.0**	**ug/L**	**SW846 6010B**	**03/11-03/13/04**	**GAQ1Q1AH**
		Dilution Factor: 1		Analysis Time..: 14:03	MDL.....: 2.1	
Arsenic	**140**	**10**	**ug/L**	**SW846 6010B**	**03/11-03/13/04**	**GAQ1Q1AK**
		Dilution Factor: 1		Analysis Time..: 14:03	MDL.....: 4.9	
Cobalt	**23**	**10**	**ug/L**	**SW846 6010B**	**03/11-03/13/04**	**GAQ1Q1CA**
		Dilution Factor: 1		Analysis Time..: 14:03	MDL.....: 0.67	
Antimony	**16**	**10**	**ug/L**	**SW846 6010B**	**03/11-03/13/04**	**GAQ1Q1CC**
		Dilution Factor: 1		Analysis Time..: 14:03	MDL.....: 3.6	
Selenium	**8.6**	**5.0**	**ug/L**	**SW846 6010B**	**03/11-03/13/04**	**GAQ1Q1CD**
		Dilution Factor: 1		Analysis Time..: 14:03	MDL.....: 4.6	
Beryllium	**0.99 B,J**	**5.0**	**ug/L**	**SW846 6010B**	**03/11-03/16/04**	**GAQ1Q1CF**
		Dilution Factor: 1		Analysis Time..: 05:11	MDL.....: 0.41	
Barium	**1500**	**100**	**ug/L**	**SW846 6010B**	**03/11-03/13/04**	**GAQ1Q1CG**
		Dilution Factor: 1		Analysis Time..: 14:03	MDL.....: 0.37	
Potassium	**280000 J,L**	**5000**	**ug/L**	**SW846 6010B**	**03/11-03/16/04**	**GAQ1Q1CH**
		Dilution Factor: 1		Analysis Time..: 05:11	MDL.....: 460	

NOTE(S):

B Estimated result. Result is less than RL.

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

L Serial dilution of a digestate in the analytical batch indicates that physical and chemical interferences are present.

WASTE MANAGEMENT INC.

Client Sample ID: SUMPF

TOTAL Metals

Lot-Sample #...: D4C050375-003 **Matrix.....:** WATER
Date Sampled...: 03/04/04 12:30 **Date Received..:** 03/05/04

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 4068266						
Mercury	ND	0.80	ug/L	SW846 7470A	03/11-03/12/04	GAQ1W1CE
		Dilution Factor: 4		Analysis Time..: 09:55	MDL.....: 0.22	
Prep Batch #...: 4069642						
Boron	**3500**	**100**	**ug/L**	**SW846 6010B**	**03/11-03/16/04**	**GAQ1W1A3**
		Dilution Factor: 1		Analysis Time..: 05:15	MDL.....: 8.3	
Manganese	**4500**	**10**	**ug/L**	**SW846 6010B**	**03/11-03/13/04**	**GAQ1W1A4**
		Dilution Factor: 1		Analysis Time..: 14:08	MDL.....: 0.54	
Sodium	**500000**	**5000**	**ug/L**	**SW846 6010B**	**03/11-03/16/04**	**GAQ1W1A5**
		Dilution Factor: 1		Analysis Time..: 05:15	MDL.....: 1100	
Calcium	**580000**	**200**	**ug/L**	**SW846 6010B**	**03/11-03/16/04**	**GAQ1W1A6**
		Dilution Factor: 1		Analysis Time..: 05:15	MDL.....: 76	
Magnesium	**200000**	**200**	**ug/L**	**SW846 6010B**	**03/11-03/16/04**	**GAQ1W1A7**
		Dilution Factor: 1		Analysis Time..: 05:15	MDL.....: 27	
Iron	**12000**	**100**	**ug/L**	**SW846 6010B**	**03/11-03/13/04**	**GAQ1W1A8**
		Dilution Factor: 1		Analysis Time..: 14:08	MDL.....: 19	
Zinc	**68**	**20**	**ug/L**	**SW846 6010B**	**03/11-03/13/04**	**GAQ1W1A9**
		Dilution Factor: 1		Analysis Time..: 14:08	MDL.....: 7.1	
Silver	**2.0 B,J**	**10**	**ug/L**	**SW846 6010B**	**03/11-03/13/04**	**GAQ1W1AC**
		Dilution Factor: 1		Analysis Time..: 14:08	MDL.....: 0.70	
Cadmium	**0.69 B**	**5.0**	**ug/L**	**SW846 6010B**	**03/11-03/13/04**	**GAQ1W1AD**
		Dilution Factor: 1		Analysis Time..: 14:08	MDL.....: 0.27	
Chromium	**11**	**10**	**ug/L**	**SW846 6010B**	**03/11-03/13/04**	**GAQ1W1AE**
		Dilution Factor: 1		Analysis Time..: 14:08	MDL.....: 2.1	
Copper	**3.6 B**	**10**	**ug/L**	**SW846 6010B**	**03/11-03/13/04**	**GAQ1W1AF**
		Dilution Factor: 1		Analysis Time..: 14:08	MDL.....: 0.97	
Nickel	**35 B**	**40**	**ug/L**	**SW846 6010B**	**03/11-03/13/04**	**GAQ1W1AG**
		Dilution Factor: 1		Analysis Time..: 14:08	MDL.....: 4.2	

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WASTE MANAGEMENT INC.

Client Sample ID: SUMPF

TOTAL Metals

Lot-Sample #...: D4C050375-003 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Lead	ND	3.0	ug/L	SW846 6010B	03/11-03/13/04	GAQ1W1AH
		Dilution Factor: 1		Analysis Time..: 14:08	MDL.....: 2.1	
Arsenic	**5.1 B**	**10**	**ug/L**	**SW846 6010B**	**03/11-03/13/04**	**GAQ1W1AK**
		Dilution Factor: 1		Analysis Time..: 14:08	MDL.....: 4.9	
Cobalt	**7.0 B**	**10**	**ug/L**	**SW846 6010B**	**03/11-03/13/04**	**GAQ1W1CA**
		Dilution Factor: 1		Analysis Time..: 14:08	MDL.....: 0.67	
Antimony	ND	10	ug/L	SW846 6010B	03/11-03/13/04	GAQ1W1CC
		Dilution Factor: 1		Analysis Time..: 14:08	MDL.....: 3.6	
Selenium	ND	5.0	ug/L	SW846 6010B	03/11-03/13/04	GAQ1W1CD
		Dilution Factor: 1		Analysis Time..: 14:08	MDL.....: 4.6	
Beryllium	**1.0 B,J**	**5.0**	**ug/L**	**SW846 6010B**	**03/11-03/16/04**	**GAQ1W1CF**
		Dilution Factor: 1		Analysis Time..: 05:15	MDL.....: 0.41	
Barium	**1500**	**100**	**ug/L**	**SW846 6010B**	**03/11-03/13/04**	**GAQ1W1CG**
		Dilution Factor: 1		Analysis Time..: 14:08	MDL.....: 0.37	
Potassium	**59000 J,L**	**5000**	**ug/L**	**SW846 6010B**	**03/11-03/16/04**	**GAQ1W1CH**
		Dilution Factor: 1		Analysis Time..: 05:15	MDL.....: 460	

NOTE(S):

B Estimated result. Result is less than RL.

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

L Serial dilution of a digestate in the analytical batch indicates that physical and chemical interferences are present.

WASTE MANAGEMENT INC.

Client Sample ID: SUMPC

General Chemistry

Lot-Sample #...: D4C050375-001 **Work Order #...:** GAQ0N **Matrix.....:** WATER
Date Sampled...: 03/04/04 11:05 **Date Received..:** 03/05/04

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Bicarbonate Alkalinity	**1700**	**5.0**	**mg/L**	**MCAWW 310.1**	**03/12/04**	**4075217**
	Dilution Factor: 1			Analysis Time..: 12:00	MDL.....: 1.5	
Chemical Oxygen Demand (COD)	**600 Q**	**40**	**mg/L**	**MCAWW 410.4**	**03/11/04**	**4072435**
	Dilution Factor: 5			Analysis Time..: 20:30	MDL.....: 14	
Chloride	**1200 Q**	**150**	**mg/L**	**MCAWW 300.0A**	**03/08-03/09/04**	**4069344**
	Dilution Factor: 50			Analysis Time..: 00:16	MDL.....: 10	
Fluoride	**2.3 B,G**	**10**	**mg/L**	**MCAWW 300.0A**	**03/08-03/09/04**	**4069346**
	Dilution Factor: 10			Analysis Time..: 00:04	MDL.....: 1.0	
Free Cyanide (4500-CN-I)	ND	0.010	mg/L	SM18 4500-CN-I	03/16/04	4077305
	Dilution Factor: 1			Analysis Time..: 15:00	MDL.....: 0.0039	
Hardness, as CaCO3	**1900 Q**	**25**	**mg/L**	**MCAWW 130.2**	**03/16/04**	**4076519**
	Dilution Factor: 5			Analysis Time..: 12:00	MDL.....: 10	
HEM (Oil and Grease)	**1.5 B**	**5.0**	**mg/L**	**CFR136A 1664A HEM**	**03/16/04**	**4076526**
	Dilution Factor: 1			Analysis Time..: 21:00	MDL.....: 1.0	
Specific Conductance	**6900**	**2.0**	**umhos/cm**	**MCAWW 120.1**	**03/15/04**	**4075639**
	Dilution Factor: 1			Analysis Time..: 15:00	MDL.....:	
Sulfate	**2.8 B,G**	**10**	**mg/L**	**MCAWW 300.0A**	**03/08/04**	**4069345**
	Dilution Factor: 2			Analysis Time..: 23:30	MDL.....: 0.40	
Total Alkalinity	**1700**	**5.0**	**mg/L**	**MCAWW 310.1**	**03/12/04**	**4075209**
	Dilution Factor: 1			Analysis Time..: 12:00	MDL.....: 1.5	
Total Cyanide	**0.0040 B**	**0.010**	**mg/L**	**MCAWW 335.3**	**03/10/04**	**4071217**
	Dilution Factor: 1			Analysis Time..: 17:00	MDL.....: 0.0039	
Total Dissolved Solids	**3900 Q**	**20**	**mg/L**	**MCAWW 160.1**	**03/10/04**	**4070484**
	Dilution Factor: 2			Analysis Time..: 18:00	MDL.....: 6.0	

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WASTE MANAGEMENT INC.

Client Sample ID: SUMPC

General Chemistry

Lot-Sample #...: D4C050375-001 **Work Order #...:** GAQ0N **Matrix.....:** WATER

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon	**200 Q**	**20**	**mg/L**	**MCAWW 415.1**	**03/18/04**	**4083155**
		Dilution Factor: 20		Analysis Time..: 12:00	MDL.....: 10	
Total Organic Carbon 2	**210 Q**	**20**	**mg/L**	**MCAWW 415.1**	**03/18/04**	**4083155**
		Dilution Factor: 20		Analysis Time..: 12:00	MDL.....: 10	
Total Organic Halogens	**600 Q**	**600**	**ug/L**	**SW846 9020B**	**03/16/04**	**4077328**
		Dilution Factor: 20		Analysis Time..: 12:00	MDL.....: 96	
Total Organic Halogens 2	**630 Q**	**600**	**ug/L**	**SW846 9020B**	**03/16/04**	**4077328**
		Dilution Factor: 20		Analysis Time..: 12:00	MDL.....: 96	
Total Organic Halogens 3	**730 C,Q**	**300**	**ug/L**	**SW846 9020B**	**03/16/04**	**4077328**
		Dilution Factor: 10		Analysis Time..: 12:00	MDL.....: 48	
Total Organic Halogens 4	**680 C,Q**	**300**	**ug/L**	**SW846 9020B**	**03/16/04**	**4077328**
		Dilution Factor: 10		Analysis Time..: 12:00	MDL.....: 48	
Total Sulfide	ND	0.050	mg/L	MCAWW 376.2	03/08/04	4068647
		Dilution Factor: 1		Analysis Time..: 16:30	MDL.....: 0.0017	

NOTE(S):

RL Reporting Limit

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

B Estimated result. Result is less than RL.

G Elevated reporting limit. The reporting limit is elevated due to matrix interference.

C TOX exhibited carryover.

WASTE MANAGEMENT INC.

Client Sample ID: SUMPD

General Chemistry

Lot-Sample #...: D4C050375-002 **Work Order #...:** GAQ1Q **Matrix.....:** WATER
Date Sampled...: 03/04/04 11:50 **Date Received..:** 03/05/04

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Bicarbonate Alkalinity	**2200**	**5.0**	**mg/L**	**MCAWW 310.1**	**03/12/04**	**4075217**
	Dilution Factor: 1			Analysis Time..: 12:00	MDL.....: 1.5	
Chemical Oxygen Demand (COD)	**2300 Q**	**160**	**mg/L**	**MCAWW 410.4**	**03/22/04**	**4083351**
	Dilution Factor: 20			Analysis Time..: 18:30	MDL.....: 58	
Chloride	**1400 Q**	**150**	**mg/L**	**MCAWW 300.0A**	**03/08-03/09/04**	**4069344**
	Dilution Factor: 50			Analysis Time..: 08:53	MDL.....: 10	
Fluoride	**13 Q**	**10**	**mg/L**	**MCAWW 300.0A**	**03/08-03/09/04**	**4069346**
	Dilution Factor: 10			Analysis Time..: 01:01	MDL.....: 1.0	
Free Cyanide (4500-CN-I)	**0.0056 B**	**0.010**	**mg/L**	**SM18 4500-CN-I**	**03/16/04**	**4077305**
	Dilution Factor: 1			Analysis Time..: 15:00	MDL.....: 0.0039	
Hardness, as CaCO3	**1200 Q**	**25**	**mg/L**	**MCAWW 130.2**	**03/16/04**	**4076519**
	Dilution Factor: 5			Analysis Time..: 12:00	MDL.....: 10	
HEM (Oil and Grease)	**11**	**5.0**	**mg/L**	**CFR136A 1664A HEM**	**03/16/04**	**4076526**
	Dilution Factor: 1			Analysis Time..: 21:00	MDL.....: 1.0	
Specific Conductance	**9300**	**2.0**	**umhos/cm**	**MCAWW 120.1**	**03/15/04**	**4075639**
	Dilution Factor: 1			Analysis Time..: 15:00	MDL.....:	
Sulfate	**2.2 B,G**	**10**	**mg/L**	**MCAWW 300.0A**	**03/08-03/09/04**	**4069345**
	Dilution Factor: 2			Analysis Time..: 00:27	MDL.....: 0.40	
Total Alkalinity	**2200**	**5.0**	**mg/L**	**MCAWW 310.1**	**03/12/04**	**4075209**
	Dilution Factor: 1			Analysis Time..: 12:00	MDL.....: 1.5	
Total Cyanide	**0.0091 B**	**0.010**	**mg/L**	**MCAWW 335.3**	**03/10/04**	**4071217**
	Dilution Factor: 1			Analysis Time..: 17:00	MDL.....: 0.0039	
Total Dissolved Solids	**5200 Q**	**20**	**mg/L**	**MCAWW 160.1**	**03/10/04**	**4070484**
	Dilution Factor: 2			Analysis Time..: 18:00	MDL.....: 6.0	

(Continued on next page)

WASTE MANAGEMENT INC.

Client Sample ID: SUMPD

General Chemistry

Lot-Sample #...: D4C050375-002 **Work Order #...:** GAQ1Q **Matrix.....:** WATER

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon	**920 Q**	**100**	**mg/L**	**MCAWW 415.1**	**03/18/04**	**4083155**
	Dilution Factor: 100			Analysis Time..: 12:00	MDL.....: 50	
Total Organic Carbon 2	**910 Q**	**100**	**mg/L**	**MCAWW 415.1**	**03/18/04**	**4083155**
	Dilution Factor: 100			Analysis Time..: 12:00	MDL.....: 50	
Total Organic Halogens	**1700 B,Q**	**2400**	**ug/L**	**SW846 9020B**	**03/16-03/17/04**	**4077328**
	Dilution Factor: 80			Analysis Time..: 12:00	MDL.....: 380	
Total Organic Halogens 2	**2000 B,Q**	**2400**	**ug/L**	**SW846 9020B**	**03/16-03/17/04**	**4077328**
	Dilution Factor: 80			Analysis Time..: 12:00	MDL.....: 380	
Total Organic Halogens 3	**2600 Q**	**2400**	**ug/L**	**SW846 9020B**	**03/16-03/18/04**	**4077328**
	Dilution Factor: 80			Analysis Time..: 12:00	MDL.....: 380	
Total Organic Halogens 4	**2100 B,Q**	**2400**	**ug/L**	**SW846 9020B**	**03/16-03/18/04**	**4077328**
	Dilution Factor: 80			Analysis Time..: 12:00	MDL.....: 380	
Total Sulfide	**0.026 B**	**0.050**	**mg/L**	**MCAWW 376.2**	**03/08/04**	**4068647**
	Dilution Factor: 1			Analysis Time..: 16:30	MDL.....: 0.0017	

NOTE(S):

RL Reporting Limit

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

B Estimated result. Result is less than RL.

G Elevated reporting limit. The reporting limit is elevated due to matrix interference.

WASTE MANAGEMENT INC.

Client Sample ID: SUMPF

General Chemistry

Lot-Sample #...: D4C050375-003 **Work Order #...:** GAQ1W **Matrix.....:** WATER
Date Sampled...: 03/04/04 12:30 **Date Received..:** 03/05/04

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Bicarbonate Alkalinity	**1900**	**5.0**	**mg/L**	**MCAWW 310.1**	**03/12/04**	**4075217**
	Dilution Factor: 1			Analysis Time..: 12:00	MDL.....: 1.5	
Chemical Oxygen Demand (COD)	**140**	**8.0**	**mg/L**	**MCAWW 410.4**	**03/11/04**	**4072435**
	Dilution Factor: 1			Analysis Time..: 20:30	MDL.....: 2.9	
Chloride	**130 Q**	**30**	**mg/L**	**MCAWW 300.0A**	**03/08-03/09/04**	**4069344**
	Dilution Factor: 10			Analysis Time..: 01:46	MDL.....: 2.0	
Fluoride	**3.9 B,G**	**10**	**mg/L**	**MCAWW 300.0A**	**03/08-03/09/04**	**4069346**
	Dilution Factor: 10			Analysis Time..: 01:46	MDL.....: 1.0	
Free Cyanide (4500-CN-I)	ND	0.010	mg/L	SM18 4500-CN-I	03/16/04	4077305
	Dilution Factor: 1			Analysis Time..: 15:00	MDL.....: 0.0039	
Hardness, as CaCO3	**2100 Q**	**25**	**mg/L**	**MCAWW 130.2**	**03/16/04**	**4076519**
	Dilution Factor: 5			Analysis Time..: 12:00	MDL.....: 10	
HEM (Oil and Grease)	**32**	**5.0**	**mg/L**	**CFR136A 1664A HEM**	**03/16/04**	**4076526**
	Dilution Factor: 1			Analysis Time..: 21:00	MDL.....: 1.0	
Specific Conductance	**5900**	**2.0**	**umhos/cm**	**MCAWW 120.1**	**03/15/04**	**4075639**
	Dilution Factor: 1			Analysis Time..: 15:00	MDL.....:	
Sulfate	**18 G**	**10**	**mg/L**	**MCAWW 300.0A**	**03/08-03/09/04**	**4069345**
	Dilution Factor: 2			Analysis Time..: 01:35	MDL.....: 0.40	
Total Alkalinity	**1900**	**5.0**	**mg/L**	**MCAWW 310.1**	**03/12/04**	**4075209**
	Dilution Factor: 1			Analysis Time..: 12:00	MDL.....: 1.5	
Total Cyanide	ND	0.010	mg/L	MCAWW 335.3	03/10/04	4071217
	Dilution Factor: 1			Analysis Time..: 18:00	MDL.....: 0.0039	
Total Dissolved Solids	**3700 Q**	**20**	**mg/L**	**MCAWW 160.1**	**03/10/04**	**4070484**
	Dilution Factor: 2			Analysis Time..: 18:00	MDL.....: 6.0	

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WASTE MANAGEMENT INC.

Client Sample ID: SUMPF

General Chemistry

Lot-Sample #...: D4C050375-003 **Work Order #...:** GAQ1W **Matrix.....:** WATER

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon	**170 Q**	**5.0**	**mg/L**	**MCAWW 415.1**	**03/18/04**	**4083155**
		Dilution Factor: 5		Analysis Time..: 12:00	MDL.....: 2.5	
Total Organic Carbon 2	**180 Q**	**5.0**	**mg/L**	**MCAWW 415.1**	**03/18/04**	**4083155**
		Dilution Factor: 5		Analysis Time..: 12:00	MDL.....: 2.5	
Total Organic Halogens	**460 B,Q**	**600**	**ug/L**	**SW846 9020B**	**03/16-03/17/04**	**4077328**
		Dilution Factor: 20		Analysis Time..: 12:00	MDL.....: 96	
Total Organic Halogens 2	**420 B,Q**	**600**	**ug/L**	**SW846 9020B**	**03/16-03/17/04**	**4077328**
		Dilution Factor: 20		Analysis Time..: 12:00	MDL.....: 96	
Total Organic Halogens 3	**500 B,Q**	**600**	**ug/L**	**SW846 9020B**	**03/16-03/18/04**	**4077328**
		Dilution Factor: 20		Analysis Time..: 12:00	MDL.....: 96	
Total Organic Halogens 4	**550 B,Q**	**600**	**ug/L**	**SW846 9020B**	**03/16-03/18/04**	**4077328**
		Dilution Factor: 20		Analysis Time..: 12:00	MDL.....: 96	
Total Sulfide	ND	0.050	mg/L	MCAWW 376.2	03/08/04	4068647
		Dilution Factor: 1		Analysis Time..: 16:30	MDL.....: 0.0017	

NOTE(S):

RL Reporting Limit

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

B Estimated result. Result is less than RL.

G Elevated reporting limit. The reporting limit is elevated due to matrix interference.

QC DATA ASSOCIATION SUMMARY

D4C050375

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	WATER	MCAWW 120.1		4075639	4075323
	WATER	MCAWW 130.2		4076519	4077180
	WATER	MCAWW 160.1		4070484	4075150
	WATER	MCAWW 300.0A		4069344	4069320
	WATER	MCAWW 300.0A		4069345	4069329
	WATER	MCAWW 300.0A		4069346	4069313
	WATER	MCAWW 415.1		4083155	4083064
	WATER	SM18 4500-CN-I		4077305	4077141
	WATER	CFR136A 1664A HEM		4076526	
	WATER	SW846 9020B		4077328	4077143
	WATER	SW846 7470A		4068266	4068163
	WATER	SW846 8260B		4079421	4079237
	WATER	SW846 8270C		4067115	
	WATER	SW846 6010B		4069642	4069366
	WATER	MCAWW 376.2		4068647	4069163
	WATER	MCAWW 310.1		4075217	
	WATER	MCAWW 310.1		4075209	4076036
	WATER	MCAWW 335.3		4071217	4072156
	WATER	MCAWW 410.4		4072435	4072161
002	WATER	MCAWW 120.1		4075639	4075323
	WATER	MCAWW 130.2		4076519	4077180
	WATER	MCAWW 160.1		4070484	4075150
	WATER	MCAWW 300.0A		4069344	4069320
	WATER	MCAWW 300.0A		4069345	4069329
	WATER	MCAWW 300.0A		4069346	4069313
	WATER	MCAWW 415.1		4083155	4083064
	WATER	SM18 4500-CN-I		4077305	4077141
	WATER	CFR136A 1664A HEM		4076526	
	WATER	SW846 9020B		4077328	4077143
	WATER	SW846 7470A		4068266	4068163
	WATER	SW846 8260B		4079421	4079237
	WATER	SW846 8270C		4067115	
	WATER	SW846 6010B		4069642	4069366
	WATER	MCAWW 376.2		4068647	4069163
	WATER	MCAWW 310.1		4075217	
	WATER	MCAWW 310.1		4075209	4076036
	WATER	MCAWW 335.3		4071217	4072156
	WATER	MCAWW 410.4		4083351	4083148
003	WATER	MCAWW 120.1		4075639	4075323
	WATER	MCAWW 130.2		4076519	4077180
	WATER	MCAWW 160.1		4070484	4075150

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QC DATA ASSOCIATION SUMMARY

D4C050375

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
003	WATER	MCAWW 300.0A		4069344	4069320
	WATER	MCAWW 300.0A		4069345	4069329
	WATER	MCAWW 300.0A		4069346	4069313
	WATER	MCAWW 415.1		4083155	4083064
	WATER	SM18 4500-CN-I		4077305	4077141
	WATER	CFR136A 1664A HEM		4076526	
	WATER	SW846 9020B		4077328	4077143
	WATER	SW846 7470A		4068266	4068163
	WATER	SW846 8260B		4079421	4079237
	WATER	SW846 8270C		4067115	
	WATER	SW846 6010B		4069642	4069366
	WATER	MCAWW 376.2		4068647	4069163
	WATER	MCAWW 310.1		4075217	
	WATER	MCAWW 310.1		4075209	4076036
	WATER	MCAWW 335.3		4071217	4072156
	WATER	MCAWW 410.4		4072435	4072161
004	WATER	SW846 8260B		4079421	4079237

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: D4C050375 **Work Order #...:** GCK1D1AD **Matrix.....:** WATER
MB Lot-Sample #: D4C190000-421

Prep Date.....: 03/16/04 **Analysis Time..:** 10:55
Analysis Date..: 03/16/04 **Prep Batch #...:** 4079421
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Acrylonitrile	ND	100	ug/L	SW846 8260B
Bromochloromethane	ND	10	ug/L	SW846 8260B
Dibromomethane	ND	10	ug/L	SW846 8260B
1,2-Dichlorobenzene	ND	10	ug/L	SW846 8260B
1,4-Dichlorobenzene	ND	10	ug/L	SW846 8260B
trans-1,4-Dichloro-2-butene	ND	10	ug/L	SW846 8260B
Acetone	ND	34	ug/L	SW846 8260B
Benzene	ND	1.0	ug/L	SW846 8260B
Bromodichloromethane	ND	5.0	ug/L	SW846 8260B
Iodomethane	ND	10	ug/L	SW846 8260B
Bromoform	ND	5.0	ug/L	SW846 8260B
Bromomethane	ND	10	ug/L	SW846 8260B
Carbon disulfide	ND	5.0	ug/L	SW846 8260B
Carbon tetrachloride	ND	0.50	ug/L	SW846 8260B
Chlorobenzene	ND	5.0	ug/L	SW846 8260B
Dibromochloromethane	ND	5.0	ug/L	SW846 8260B
Chloroethane	ND	10	ug/L	SW846 8260B
Chloroform	ND	5.0	ug/L	SW846 8260B
Chloromethane	ND	10	ug/L	SW846 8260B
Dichlorodifluoromethane	ND	10	ug/L	SW846 8260B
1,1-Dichloroethane	ND	5.0	ug/L	SW846 8260B
1,2-Dichloroethane	ND	5.0	ug/L	SW846 8260B
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260B
cis-1,2-Dichloroethene	ND	10	ug/L	SW846 8260B
trans-1,2-Dichloroethene	ND	10	ug/L	SW846 8260B
1,2-Dichloropropane	ND	5.0	ug/L	SW846 8260B
cis-1,3-Dichloropropene	ND	5.0	ug/L	SW846 8260B
trans-1,3-Dichloropropene	ND	5.0	ug/L	SW846 8260B
Ethylbenzene	ND	5.0	ug/L	SW846 8260B
Trichlorofluoromethane	ND	10	ug/L	SW846 8260B
2-Hexanone	ND	5.0	ug/L	SW846 8260B
Methylene chloride	**0.60 J**	**5.0**	**ug/L**	**SW846 8260B**
4-Methyl-2-pentanone	ND	10	ug/L	SW846 8260B
Styrene	ND	5.0	ug/L	SW846 8260B
1,1,1,2-Tetrachloroethane	ND	5.0	ug/L	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	5.0	ug/L	SW846 8260B
Tetrachloroethene	ND	5.0	ug/L	SW846 8260B
Toluene	ND	1.0	ug/L	SW846 8260B
1,1,1-Trichloroethane	ND	5.0	ug/L	SW846 8260B
1,1,2-Trichloroethane	ND	5.0	ug/L	SW846 8260B

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METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: D4C050375 **Work Order #...:** GCK1D1AD **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Trichloroethene	ND	5.0	ug/L	SW846 8260B
1,2,3-Trichloropropane	ND	10	ug/L	SW846 8260B
Vinyl acetate	ND	10	ug/L	SW846 8260B
Vinyl chloride	ND	1.0	ug/L	SW846 8260B
Xylenes (total)	ND	10	ug/L	SW846 8260B
1,2-Dibromo-3-chloropropane (DBCP)	ND	10	ug/L	SW846 8260B
1,2-Dibromoethane (EDB)	ND	1.0	ug/L	SW846 8260B
2-Butanone (MEK)	ND	10	ug/L	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	99	(76 - 116)
1,2-Dichloroethane-d4	90	(59 - 129)
4-Bromofluorobenzene	100	(74 - 114)
Toluene-d8	100	(76 - 116)

NOTE(S):

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

J Estimated result. Result is less than RL.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: D4C050375 **Work Order #...:** GCK1D1AE **Matrix.....:** WATER
LCS Lot-Sample#: D4C190000-421
Prep Date.....: 03/16/04 **Analysis Date..:** 03/16/04
Prep Batch #...: 4079421 **Analysis Time..:** 10:35
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
1,1-Dichloroethene	**89**	**(67 - 125)**	**SW846 8260B**
Benzene	**97**	**(75 - 116)**	**SW846 8260B**
Chlorobenzene	**93**	**(77 - 117)**	**SW846 8260B**
Toluene	**89**	**(74 - 115)**	**SW846 8260B**
Trichloroethene	**103**	**(80 - 123)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	94	(76 - 116)
1,2-Dichloroethane-d4	85	(59 - 129)
4-Bromofluorobenzene	94	(74 - 114)
Toluene-d8	94	(76 - 116)

NOTE(S):

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: D4C050375 **Work Order #...:** GCK1D1AE **Matrix.....:** WATER
LCS Lot-Sample#: D4C190000-421
Prep Date.....: 03/16/04 **Analysis Date..:** 03/16/04
Prep Batch #...: 4079421 **Analysis Time..:** 10:35
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
1,1-Dichloroethene	**10.0**	**8.88**	**ug/L**	**89**	**SW846 8260B**
Benzene	**10.0**	**9.67**	**ug/L**	**97**	**SW846 8260B**
Chlorobenzene	**10.0**	**9.29**	**ug/L**	**93**	**SW846 8260B**
Toluene	**10.0**	**8.87**	**ug/L**	**89**	**SW846 8260B**
Trichloroethene	**10.0**	**10.3**	**ug/L**	**103**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	94	(76 - 116)
1,2-Dichloroethane-d4	85	(59 - 129)
4-Bromofluorobenzene	94	(74 - 114)
Toluene-d8	94	(76 - 116)

NOTE(S):

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

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: D4C050375 **Work Order #...:** GAM2G1AF-MS **Matrix.....:** WATER
MS Lot-Sample #: D4C040382-002 GAM2G1AG-MSD
Date Sampled...: 03/04/04 08:30 **Date Received..:** 03/04/04
Prep Date.....: 03/16/04 **Analysis Date..:** 03/16/04
Prep Batch #...: 4079421 **Analysis Time..:** 20:03
Dilution Factor: 5.71

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	**99**	**(67 - 125)**			**SW846 8260B**
	94	**(67 - 125)**	**4.3**	**(0-20)**	**SW846 8260B**
Benzene	**99**	**(75 - 116)**			**SW846 8260B**
	99	**(75 - 116)**	**0.19**	**(0-20)**	**SW846 8260B**
Chlorobenzene	**94**	**(77 - 117)**			**SW846 8260B**
	94	**(77 - 117)**	**0.18**	**(0-20)**	**SW846 8260B**
Toluene	**90**	**(74 - 115)**			**SW846 8260B**
	93	**(74 - 115)**	**2.5**	**(0-20)**	**SW846 8260B**
Trichloroethene	**80**	**(80 - 123)**			**SW846 8260B**
	79 a	**(80 - 123)**	**0.46**	**(0-20)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	94	(76 - 116)
	93	(76 - 116)
1,2-Dichloroethane-d4	81	(59 - 129)
	80	(59 - 129)
4-Bromofluorobenzene	89	(74 - 114)
	86	(74 - 114)
Toluene-d8	92	(76 - 116)
	94	(76 - 116)

NOTE(S):

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

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: D4C050375 **Work Order #...:** GAM2G1AF-MS **Matrix.....:** WATER
MS Lot-Sample #: D4C040382-002 GAM2G1AG-MSD
Date Sampled...: 03/04/04 08:30 **Date Received..:** 03/04/04
Prep Date.....: 03/16/04 **Analysis Date..:** 03/16/04
Prep Batch #...: 4079421 **Analysis Time..:** 20:03
Dilution Factor: 5.71

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
1,1-Dichloroethene	**3.6**	**57.1**	**60.0**	**ug/L**	**99**		**SW846 8260B**
	3.6	**57.1**	**57.5**	**ug/L**	**94**	**4.3**	**SW846 8260B**
Benzene	**ND**	**57.1**	**56.7**	**ug/L**	**99**		**SW846 8260B**
	ND	**57.1**	**56.6**	**ug/L**	**99**	**0.19**	**SW846 8260B**
Chlorobenzene	**ND**	**57.1**	**53.9**	**ug/L**	**94**		**SW846 8260B**
	ND	**57.1**	**53.8**	**ug/L**	**94**	**0.18**	**SW846 8260B**
Toluene	**ND**	**57.1**	**51.6**	**ug/L**	**90**		**SW846 8260B**
	ND	**57.1**	**53.0**	**ug/L**	**93**	**2.5**	**SW846 8260B**
Trichloroethene	**120**	**57.1**	**166**	**ug/L**	**80**		**SW846 8260B**
	120	**57.1**	**165**	**ug/L**	**79 a**	**0.46**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	94	(76 - 116)
	93	(76 - 116)
1,2-Dichloroethane-d4	81	(59 - 129)
	80	(59 - 129)
4-Bromofluorobenzene	89	(74 - 114)
	86	(74 - 114)
Toluene-d8	92	(76 - 116)
	94	(76 - 116)

NOTE(S):

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

Bold print denotes control parameters

a Spiked analyte recovery is outside stated control limits.

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: D4C050375 **Work Order #...:** GAR441AA **Matrix.....:** WATER
MB Lot-Sample #: D4C070000-115

Prep Date.....: 03/07/04 **Analysis Time..:** 14:11
Analysis Date..: 03/10/04 **Prep Batch #...:** 4067115
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Acenaphthene	ND	10	ug/L	SW846 8270C
Acenaphthylene	ND	10	ug/L	SW846 8270C
Acetophenone	ND	10	ug/L	SW846 8270C
2-Acetylaminofluorene	ND	100	ug/L	SW846 8270C
4-Aminobiphenyl	ND	50	ug/L	SW846 8270C
Anthracene	ND	10	ug/L	SW846 8270C
Benzo(a)anthracene	ND	10	ug/L	SW846 8270C
Benzo(b)fluoranthene	ND	10	ug/L	SW846 8270C
Benzo(k)fluoranthene	ND	10	ug/L	SW846 8270C
Benzo(ghi)perylene	ND	10	ug/L	SW846 8270C
Benzo(a)pyrene	ND	10	ug/L	SW846 8270C
Benzyl alcohol	ND	10	ug/L	SW846 8270C
bis(2-Chloroethoxy) methane	ND	10	ug/L	SW846 8270C
bis(2-Chloroethyl)-ether	ND	10	ug/L	SW846 8270C
bis(2-Ethylhexyl) phthalate	ND	10	ug/L	SW846 8270C
4-Bromophenyl phenyl ether	ND	10	ug/L	SW846 8270C
Butyl benzyl phthalate	ND	10	ug/L	SW846 8270C
4-Chloroaniline	ND	10	ug/L	SW846 8270C
Chlorobenzilate	ND	10	ug/L	SW846 8270C
4-Chloro-3-methylphenol	ND	10	ug/L	SW846 8270C
2-Chloronaphthalene	ND	10	ug/L	SW846 8270C
2-Chlorophenol	ND	10	ug/L	SW846 8270C
4-Chlorophenyl phenyl ether	ND	10	ug/L	SW846 8270C
Chrysene	ND	10	ug/L	SW846 8270C
Diallate	ND	20	ug/L	SW846 8270C
Dibenz(a,h)anthracene	ND	10	ug/L	SW846 8270C
Dibenzofuran	ND	10	ug/L	SW846 8270C
Di-n-butyl phthalate	ND	10	ug/L	SW846 8270C
3,3'-Dichlorobenzidine	ND	50	ug/L	SW846 8270C
2,4-Dichlorophenol	ND	10	ug/L	SW846 8270C
2,6-Dichlorophenol	ND	10	ug/L	SW846 8270C
Diethyl phthalate	ND	10	ug/L	SW846 8270C
Dimethoate	ND	20	ug/L	SW846 8270C
4-Dimethylaminoazobenzene	ND	20	ug/L	SW846 8270C
7,12-Dimethylbenz(a)-anthracene	ND	20	ug/L	SW846 8270C

(Continued on next page)

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: D4C050375 **Work Order #...:** GAR441AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
3,3'-Dimethylbenzidine	ND	20	ug/L	SW846 8270C
2,4-Dimethylphenol	ND	10	ug/L	SW846 8270C
Dimethyl phthalate	ND	10	ug/L	SW846 8270C
1,3-Dinitrobenzene	ND	10	ug/L	SW846 8270C
4,6-Dinitro-2-methylphenol	ND	50	ug/L	SW846 8270C
2,4-Dinitrophenol	ND	50	ug/L	SW846 8270C
2,4-Dinitrotoluene	ND	10	ug/L	SW846 8270C
2,6-Dinitrotoluene	ND	10	ug/L	SW846 8270C
Dinoseb	ND	10	ug/L	SW846 8270C
Di-n-octyl phthalate	ND	10	ug/L	SW846 8270C
Diphenylamine	ND	10	ug/L	SW846 8270C
Disulfoton	ND	50	ug/L	SW846 8270C
Ethyl methanesulfonate	ND	10	ug/L	SW846 8270C
Famphur	ND	200	ug/L	SW846 8270C
Fluoranthene	ND	10	ug/L	SW846 8270C
Fluorene	ND	10	ug/L	SW846 8270C
Hexachlorobenzene	ND	10	ug/L	SW846 8270C
Hexachlorobutadiene	ND	10	ug/L	SW846 8270C
Hexachlorocyclopentadiene	ND	50	ug/L	SW846 8270C
Hexachloroethane	ND	10	ug/L	SW846 8270C
Hexachloropropene	ND	100	ug/L	SW846 8270C
Indeno(1,2,3-cd)pyrene	ND	10	ug/L	SW846 8270C
Isodrin	ND	10	ug/L	SW846 8270C
Isophorone	ND	10	ug/L	SW846 8270C
Isosafrole	ND	20	ug/L	SW846 8270C
Methapyrilene	ND	50	ug/L	SW846 8270C
3-Methylcholanthrene	ND	20	ug/L	SW846 8270C
Methyl methanesulfonate	ND	10	ug/L	SW846 8270C
2-Methylnaphthalene	ND	10	ug/L	SW846 8270C
Methyl parathion	ND	50	ug/L	SW846 8270C
2-Methylphenol	ND	10	ug/L	SW846 8270C
3-Methylphenol & 4-Methylphenol	ND	10	ug/L	SW846 8270C
Naphthalene	ND	10	ug/L	SW846 8270C
1,4-Naphthoquinone	ND	50	ug/L	SW846 8270C
1-Naphthylamine	ND	10	ug/L	SW846 8270C
2-Naphthylamine	ND	10	ug/L	SW846 8270C
2-Nitroaniline	ND	50	ug/L	SW846 8270C
3-Nitroaniline	ND	50	ug/L	SW846 8270C
4-Nitroaniline	ND	50	ug/L	SW846 8270C
Nitrobenzene	ND	10	ug/L	SW846 8270C
2-Nitrophenol	ND	10	ug/L	SW846 8270C
4-Nitrophenol	ND	50	ug/L	SW846 8270C

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METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: D4C050375 **Work Order #...:** GAR441AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
N-Nitrosodi-n-butylamine	ND	10	ug/L	SW846 8270C
N-Nitrosodiethylamine	ND	10	ug/L	SW846 8270C
N-Nitrosodimethylamine	ND	10	ug/L	SW846 8270C
N-Nitrosodiphenylamine	ND	10	ug/L	SW846 8270C
N-Nitrosodi-n-propyl-amine	ND	10	ug/L	SW846 8270C
N-Nitrosomethylethylamine	ND	10	ug/L	SW846 8270C
N-Nitrosopiperidine	ND	10	ug/L	SW846 8270C
N-Nitrosopyrrolidine	ND	10	ug/L	SW846 8270C
5-Nitro-o-toluidine	ND	20	ug/L	SW846 8270C
2,2'-oxybis(1-Chloropropa	ND	10	ug/L	SW846 8270C
Parathion	ND	50	ug/L	SW846 8270C
Pentachlorobenzene	ND	10	ug/L	SW846 8270C
Pentachloronitrobenzene	ND	50	ug/L	SW846 8270C
Pentachlorophenol	ND	50	ug/L	SW846 8270C
Phenacetin	ND	20	ug/L	SW846 8270C
Phenanthrene	ND	10	ug/L	SW846 8270C
Phenol	ND	10	ug/L	SW846 8270C
4-Phenylenediamine	ND	100	ug/L	SW846 8270C
Phorate	ND	50	ug/L	SW846 8270C
Pronamide	ND	20	ug/L	SW846 8270C
Pyrene	ND	10	ug/L	SW846 8270C
Safrole	ND	50	ug/L	SW846 8270C
1,2,4,5-Tetrachloro-benzene	ND	10	ug/L	SW846 8270C
2,3,4,6-Tetrachlorophenol	ND	50	ug/L	SW846 8270C
Thionazin	ND	10	ug/L	SW846 8270C
o-Toluidine	ND	10	ug/L	SW846 8270C
1,2,4-Trichloro-benzene	ND	10	ug/L	SW846 8270C
2,4,5-Trichloro-phenol	ND	10	ug/L	SW846 8270C
2,4,6-Trichloro-phenol	ND	10	ug/L	SW846 8270C
O,O,O-Triethylphosphoro-thioate	ND	50	ug/L	SW846 8270C
1,3,5-Trinitrobenzene	ND	50	ug/L	SW846 8270C

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	79	(32 - 116)
Phenol-d5	81	(40 - 111)
Nitrobenzene-d5	80	(53 - 107)
2-Fluorobiphenyl	78	(31 - 105)
2,4,6-Tribromophenol	81	(42 - 122)

(Continued on next page)

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: D4C050375 **Work Order #...:** GAR441AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Terphenyl-d14	77	(21 - 125)		

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: D4C050375 **Work Order #...:** GAR441AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: D4C070000-115 GAR441AD-LCSD
Prep Date.....: 03/07/04 **Analysis Date..:** 03/10/04
Prep Batch #...: 4067115 **Analysis Time..:** 14:37
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Acenaphthene	**68**	**(55 - 97)**			**SW846 8270C**
	75	**(55 - 97)**	**10**	**(0-30)**	**SW846 8270C**
1,4-Dichlorobenzene	**67**	**(31 - 98)**			**SW846 8270C**
	74	**(31 - 98)**	**11**	**(0-40)**	**SW846 8270C**
4-Chloro-3-methylphenol	**69**	**(59 - 106)**			**SW846 8270C**
	78	**(59 - 106)**	**13**	**(0-40)**	**SW846 8270C**
2-Chlorophenol	**72**	**(59 - 105)**			**SW846 8270C**
	80	**(59 - 105)**	**9.6**	**(0-40)**	**SW846 8270C**
2,4-Dinitrotoluene	**66**	**(57 - 113)**			**SW846 8270C**
	78	**(57 - 113)**	**17**	**(0-40)**	**SW846 8270C**
4-Nitrophenol	**61**	**(43 - 118)**			**SW846 8270C**
	78	**(43 - 118)**	**25**	**(0-40)**	**SW846 8270C**
N-Nitrosodi-n-propyl-amine	**70**	**(51 - 99)**			**SW846 8270C**
	78	**(51 - 99)**	**12**	**(0-40)**	**SW846 8270C**
Pentachlorophenol	**63**	**(48 - 114)**			**SW846 8270C**
	72	**(48 - 114)**	**14**	**(0-40)**	**SW846 8270C**
Phenol	**72**	**(56 - 106)**			**SW846 8270C**
	79	**(56 - 106)**	**9.3**	**(0-40)**	**SW846 8270C**
Pyrene	**64**	**(51 - 103)**			**SW846 8270C**
	68	**(51 - 103)**	**5.6**	**(0-40)**	**SW846 8270C**
1,2,4-Trichloro-benzene	**67**	**(36 - 99)**			**SW846 8270C**
	75	**(36 - 99)**	**11**	**(0-40)**	**SW846 8270C**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	70	(54 - 105)
	78	(54 - 105)
Phenol-d5	74	(55 - 106)
	81	(55 - 106)
Nitrobenzene-d5	72	(58 - 108)
	80	(58 - 108)
2-Fluorobiphenyl	68	(53 - 97)
	74	(53 - 97)
2,4,6-Tribromophenol	73	(62 - 113)
	80	(62 - 113)
Terphenyl-d14	71	(55 - 109)

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: D4C050375 **Work Order #...:** GAR441AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: D4C070000-115 GAR441AD-LCSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
	73	(55 - 109)

NOTE(S):

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: D4C050375 **Work Order #...:** GAR441AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: D4C070000-115 GAR441AD-LCSD
Prep Date.....: 03/07/04 **Analysis Date..:** 03/10/04
Prep Batch #...: 4067115 **Analysis Time..:** 14:37
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	RPD	METHOD
Acenaphthene	100	68.1	ug/L	68		SW846 8270C
	100	75.2	ug/L	75	10	SW846 8270C
1,4-Dichlorobenzene	100	66.5	ug/L	67		SW846 8270C
	100	74.5	ug/L	74	11	SW846 8270C
4-Chloro-3-methylphenol	150	104	ug/L	69		SW846 8270C
	150	118	ug/L	78	13	SW846 8270C
2-Chlorophenol	150	109	ug/L	72		SW846 8270C
	150	120	ug/L	80	9.6	SW846 8270C
2,4-Dinitrotoluene	100	66.4	ug/L	66		SW846 8270C
	100	78.3	ug/L	78	17	SW846 8270C
4-Nitrophenol	150	91.2	ug/L	61		SW846 8270C
	150	118	ug/L	78	25	SW846 8270C
N-Nitrosodi-n-propyl-amine	100	69.6	ug/L	70		SW846 8270C
	100	78.4	ug/L	78	12	SW846 8270C
Pentachlorophenol	150	94.2	ug/L	63		SW846 8270C
	150	108	ug/L	72	14	SW846 8270C
Phenol	150	108	ug/L	72		SW846 8270C
	150	119	ug/L	79	9.3	SW846 8270C
Pyrene	100	64.0	ug/L	64		SW846 8270C
	100	67.7	ug/L	68	5.6	SW846 8270C
1,2,4-Trichloro-benzene	100	67.3	ug/L	67		SW846 8270C
	100	74.8	ug/L	75	11	SW846 8270C

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	70	(54 - 105)
	78	(54 - 105)
Phenol-d5	74	(55 - 106)
	81	(55 - 106)
Nitrobenzene-d5	72	(58 - 108)
	80	(58 - 108)
2-Fluorobiphenyl	68	(53 - 97)
	74	(53 - 97)
2,4,6-Tribromophenol	73	(62 - 113)
	80	(62 - 113)
Terphenyl-d14	71	(55 - 109)

(Continued on next page)

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: D4C050375 **Work Order #...:** GAR441AC-LCS **Matrix.....:** WATER
LCS Lot-Sample#: D4C070000-115 GAR441AD-LCSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
	73	(55 - 109)

NOTE(S):

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

Bold print denotes control parameters

METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: D4C050375 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: D4C080000-266 **Prep Batch #...:** 4068266						
Mercury	ND	0.20	ug/L	SW846 7470A	03/11-03/12/04	GATMV1AA
		Dilution Factor: 1				
		Analysis Time..: 09:38				
MB Lot-Sample #: D4C090000-642 **Prep Batch #...:** 4069642						
Boron	ND	100	ug/L	SW846 6010B	03/11-03/16/04	GAX881AA
		Dilution Factor: 1				
		Analysis Time..: 04:53				
Manganese	ND	10	ug/L	SW846 6010B	03/11-03/13/04	GAX881AC
		Dilution Factor: 1				
		Analysis Time..: 13:45				
Sodium	ND	5000	ug/L	SW846 6010B	03/11-03/16/04	GAX881AD
		Dilution Factor: 1				
		Analysis Time..: 04:53				
Calcium	ND	200	ug/L	SW846 6010B	03/11-03/16/04	GAX881AE
		Dilution Factor: 1				
		Analysis Time..: 04:53				
Magnesium	ND	200	ug/L	SW846 6010B	03/11-03/16/04	GAX881AF
		Dilution Factor: 1				
		Analysis Time..: 04:53				
Iron	ND	100	ug/L	SW846 6010B	03/11-03/13/04	GAX881AG
		Dilution Factor: 1				
		Analysis Time..: 13:45				
Zinc	ND	20	ug/L	SW846 6010B	03/11-03/13/04	GAX881AH
		Dilution Factor: 1				
		Analysis Time..: 13:45				
Silver	**1.1 B**	**10**	**ug/L**	**SW846 6010B**	**03/11-03/13/04**	**GAX881AJ**
		Dilution Factor: 1				
		Analysis Time..: 13:45				
Cadmium	ND	5.0	ug/L	SW846 6010B	03/11-03/13/04	GAX881AK
		Dilution Factor: 1				
		Analysis Time..: 13:45				

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METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: D4C050375 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Chromium	ND	10	ug/L	SW846 6010B	03/11-03/13/04	GAX881AL
		Dilution Factor: 1				
		Analysis Time..: 13:45				
Copper	ND	10	ug/L	SW846 6010B	03/11-03/13/04	GAX881AM
		Dilution Factor: 1				
		Analysis Time..: 13:45				
Nickel	ND	40	ug/L	SW846 6010B	03/11-03/13/04	GAX881AN
		Dilution Factor: 1				
		Analysis Time..: 13:45				
Lead	ND	3.0	ug/L	SW846 6010B	03/11-03/13/04	GAX881AP
		Dilution Factor: 1				
		Analysis Time..: 13:45				
Arsenic	ND	10	ug/L	SW846 6010B	03/11-03/13/04	GAX881AQ
		Dilution Factor: 1				
		Analysis Time..: 13:45				
Cobalt	ND	10	ug/L	SW846 6010B	03/11-03/13/04	GAX881AR
		Dilution Factor: 1				
		Analysis Time..: 13:45				
Antimony	ND	10	ug/L	SW846 6010B	03/11-03/13/04	GAX881AT
		Dilution Factor: 1				
		Analysis Time..: 13:45				
Selenium	ND	5.0	ug/L	SW846 6010B	03/11-03/13/04	GAX881AU
		Dilution Factor: 1				
		Analysis Time..: 13:45				
Beryllium	**0.58 B**	**5.0**	**ug/L**	**SW846 6010B**	**03/11-03/16/04**	**GAX881AV**
		Dilution Factor: 1				
		Analysis Time..: 04:53				
Barium	ND	100	ug/L	SW846 6010B	03/11-03/13/04	GAX881AW
		Dilution Factor: 1				
		Analysis Time..: 13:45				
Potassium	**720 B**	**5000**	**ug/L**	**SW846 6010B**	**03/11-03/16/04**	**GAX881AX**
		Dilution Factor: 1				
		Analysis Time..: 04:53				

NOTE(S):

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

B Estimated result. Result is less than RL.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: D4C050375 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: D4C080000-266 **Prep Batch #...:** 4068266					
Mercury	98	(84 - 114)	SW846 7470A	03/11-03/12/04	GATMV1AC
		Dilution Factor: 1	Analysis Time..: 09:40		
LCS Lot-Sample#: D4C090000-642 **Prep Batch #...:** 4069642					
Boron	106	(89 - 110)	SW846 6010B	03/11-03/16/04	GAX881A0
		Dilution Factor: 1	Analysis Time..: 04:57		
Manganese	99	(90 - 110)	SW846 6010B	03/11-03/13/04	GAX881A1
		Dilution Factor: 1	Analysis Time..: 13:50		
Sodium	97	(91 - 112)	SW846 6010B	03/11-03/16/04	GAX881A2
		Dilution Factor: 1	Analysis Time..: 04:57		
Calcium	96	(89 - 110)	SW846 6010B	03/11-03/17/04	GAX881A3
		Dilution Factor: 1	Analysis Time..: 12:11		
Magnesium	104	(91 - 111)	SW846 6010B	03/11-03/16/04	GAX881A4
		Dilution Factor: 1	Analysis Time..: 04:57		
Iron	101	(88 - 110)	SW846 6010B	03/11-03/13/04	GAX881A5
		Dilution Factor: 1	Analysis Time..: 13:50		
Zinc	95	(85 - 110)	SW846 6010B	03/11-03/13/04	GAX881A6
		Dilution Factor: 1	Analysis Time..: 13:50		
Silver	106	(85 - 114)	SW846 6010B	03/11-03/13/04	GAX881A7
		Dilution Factor: 1	Analysis Time..: 13:50		
Cadmium	97	(89 - 110)	SW846 6010B	03/11-03/13/04	GAX881A8
		Dilution Factor: 1	Analysis Time..: 13:50		
Chromium	100	(89 - 112)	SW846 6010B	03/11-03/13/04	GAX881A9
		Dilution Factor: 1	Analysis Time..: 13:50		
Copper	100	(86 - 110)	SW846 6010B	03/11-03/13/04	GAX881CA
		Dilution Factor: 1	Analysis Time..: 13:50		
Nickel	100	(90 - 110)	SW846 6010B	03/11-03/13/04	GAX881CC
		Dilution Factor: 1	Analysis Time..: 13:50		

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: D4C050375 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Lead	101	(91 - 111)	SW846 6010B	03/11-03/13/04	GAX881CD
		Dilution Factor: 1	Analysis Time..: 13:50		
Arsenic	100	(89 - 109)	SW846 6010B	03/11-03/13/04	GAX881CE
		Dilution Factor: 1	Analysis Time..: 13:50		
Cobalt	99	(86 - 107)	SW846 6010B	03/11-03/13/04	GAX881CF
		Dilution Factor: 1	Analysis Time..: 13:50		
Antimony	100	(88 - 108)	SW846 6010B	03/11-03/13/04	GAX881CG
		Dilution Factor: 1	Analysis Time..: 13:50		
Selenium	104	(88 - 110)	SW846 6010B	03/11-03/13/04	GAX881CH
		Dilution Factor: 1	Analysis Time..: 13:50		
Beryllium	107	(88 - 112)	SW846 6010B	03/11-03/16/04	GAX881CJ
		Dilution Factor: 1	Analysis Time..: 04:57		
Barium	106	(93 - 113)	SW846 6010B	03/11-03/13/04	GAX881CK
		Dilution Factor: 1	Analysis Time..: 13:50		
Potassium	96	(86 - 111)	SW846 6010B	03/11-03/16/04	GAX881CL
		Dilution Factor: 1	Analysis Time..: 04:57		

NOTE(S):

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

LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: D4C050375 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: D4C080000-266 **Prep Batch #...:** 4068266							
Mercury	5.00	4.90	ug/L	98	SW846 7470A	03/11-03/12/04	GATMV1AC
			Dilution Factor: 1		Analysis Time..: 09:40		
LCS Lot-Sample#: D4C090000-642 **Prep Batch #...:** 4069642							
Boron	1000	1060	ug/L	106	SW846 6010B	03/11-03/16/04	GAX881A0
			Dilution Factor: 1		Analysis Time..: 04:57		
Manganese	500	494	ug/L	99	SW846 6010B	03/11-03/13/04	GAX881A1
			Dilution Factor: 1		Analysis Time..: 13:50		
Sodium	50000	48400	ug/L	97	SW846 6010B	03/11-03/16/04	GAX881A2
			Dilution Factor: 1		Analysis Time..: 04:57		
Calcium	50000	48000	ug/L	96	SW846 6010B	03/11-03/17/04	GAX881A3
			Dilution Factor: 1		Analysis Time..: 12:11		
Magnesium	50000	51800	ug/L	104	SW846 6010B	03/11-03/16/04	GAX881A4
			Dilution Factor: 1		Analysis Time..: 04:57		
Iron	1000	1010	ug/L	101	SW846 6010B	03/11-03/13/04	GAX881A5
			Dilution Factor: 1		Analysis Time..: 13:50		
Zinc	500	475	ug/L	95	SW846 6010B	03/11-03/13/04	GAX881A6
			Dilution Factor: 1		Analysis Time..: 13:50		
Silver	50.0	52.8	ug/L	106	SW846 6010B	03/11-03/13/04	GAX881A7
			Dilution Factor: 1		Analysis Time..: 13:50		
Cadmium	50.0	48.6	ug/L	97	SW846 6010B	03/11-03/13/04	GAX881A8
			Dilution Factor: 1		Analysis Time..: 13:50		
Chromium	200	200	ug/L	100	SW846 6010B	03/11-03/13/04	GAX881A9
			Dilution Factor: 1		Analysis Time..: 13:50		
Copper	250	251	ug/L	100	SW846 6010B	03/11-03/13/04	GAX881CA
			Dilution Factor: 1		Analysis Time..: 13:50		
Nickel	500	498	ug/L	100	SW846 6010B	03/11-03/13/04	GAX881CC
			Dilution Factor: 1		Analysis Time..: 13:50		

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LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: D4C050375 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Lead	500	507	ug/L	101	SW846 6010B	03/11-03/13/04	GAX881CD
			Dilution Factor: 1		Analysis Time..: 13:50		
Arsenic	2000	2000	ug/L	100	SW846 6010B	03/11-03/13/04	GAX881CE
			Dilution Factor: 1		Analysis Time..: 13:50		
Cobalt	500	494	ug/L	99	SW846 6010B	03/11-03/13/04	GAX881CF
			Dilution Factor: 1		Analysis Time..: 13:50		
Antimony	500	500	ug/L	100	SW846 6010B	03/11-03/13/04	GAX881CG
			Dilution Factor: 1		Analysis Time..: 13:50		
Selenium	2000	2070	ug/L	104	SW846 6010B	03/11-03/13/04	GAX881CH
			Dilution Factor: 1		Analysis Time..: 13:50		
Beryllium	50.0	53.5	ug/L	107	SW846 6010B	03/11-03/16/04	GAX881CJ
			Dilution Factor: 1		Analysis Time..: 04:57		
Barium	2000	2130	ug/L	106	SW846 6010B	03/11-03/13/04	GAX881CK
			Dilution Factor: 1		Analysis Time..: 13:50		
Potassium	50000	48000	ug/L	96	SW846 6010B	03/11-03/16/04	GAX881CL
			Dilution Factor: 1		Analysis Time..: 04:57		

NOTE(S):

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

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: D4C050375 **Matrix.....:** WATER
Date Sampled...: 03/02/04 10:35 **Date Received..:** 03/03/04

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D4C030364-001 **Prep Batch #...:** 4068266							
Mercury	100	(84 - 114)			SW846 7470A	03/11-03/12/04	GAKGN1CG
	99	(84 - 114)	0.40	(0-10)	SW846 7470A	03/11-03/12/04	GAKGN1CH

Dilution Factor: 1
Analysis Time..: 10:03

NOTE(S):

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

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: D4C050375 **Matrix.....:** WATER
Date Sampled...: 03/02/04 10:35 **Date Received..:** 03/03/04

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D4C030364-001 **Prep Batch #...:** 4068266									
Mercury									
	ND	5.00	4.99	ug/L	100		SW846 7470A	03/11-03/12/04	GAKGN1CG
	ND	5.00	4.97	ug/L	99	0.40	SW846 7470A	03/11-03/12/04	GAKGN1CH

Dilution Factor: 1
Analysis Time..: 10:03

NOTE(S):

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

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: D4C050375 **Matrix.....:** WATER
Date Sampled...: 03/05/04 14:40 **Date Received..:** 03/06/04

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D4C060201-001 **Prep Batch #...:** 4069642							
Boron	137 N	(87 - 113)			SW846 6010B	03/11-03/16/04	GAR351CW
	84 N	(87 - 113)	5.2	(0-25)	SW846 6010B	03/11-03/16/04	GAR351CX
		Dilution Factor: 1					
		Analysis Time..: 21:22					
Manganese	105	(79 - 121)			SW846 6010B	03/11-03/15/04	GAR351C0
	97	(79 - 121)	3.0	(0-25)	SW846 6010B	03/11-03/15/04	GAR351C1
		Dilution Factor: 1					
		Analysis Time..: 21:22					
Sodium	NC,MSB	(70 - 203)			SW846 6010B	03/11-03/16/04	GAR351C2
	NC,MSB	(70 - 203)		(0-40)	SW846 6010B	03/11-03/16/04	GAR351C3
		Dilution Factor: 1					
		Analysis Time..: 06:37					
Calcium	NC,MSB	(48 - 153)			SW846 6010B	03/11-03/16/04	GAR351C4
	NC,MSB	(48 - 153)		(0-25)	SW846 6010B	03/11-03/16/04	GAR351C5
		Dilution Factor: 1					
		Analysis Time..: 06:37					
Magnesium	NC,MSB	(62 - 146)			SW846 6010B	03/11-03/16/04	GAR351C6
	NC,MSB	(62 - 146)		(0-25)	SW846 6010B	03/11-03/16/04	GAR351C7
		Dilution Factor: 1					
		Analysis Time..: 06:37					
Iron	NC,MSB	(52 - 155)			SW846 6010B	03/11-03/16/04	GAR351C8
	NC,MSB	(52 - 155)		(0-25)	SW846 6010B	03/11-03/16/04	GAR351C9
		Dilution Factor: 1					
		Analysis Time..: 06:37					
Zinc	84	(60 - 137)			SW846 6010B	03/11-03/15/04	GAR351DA
	79	(60 - 137)	3.6	(0-25)	SW846 6010B	03/11-03/15/04	GAR351DC
		Dilution Factor: 1					
		Analysis Time..: 21:22					
Silver	144 N	(75 - 141)			SW846 6010B	03/11-03/15/04	GAR351DD
	138	(75 - 141)	4.6	(0-25)	SW846 6010B	03/11-03/15/04	GAR351DE
		Dilution Factor: 1					
		Analysis Time..: 21:22					

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MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: D4C050375 **Matrix.....:** WATER
Date Sampled...: 03/05/04 14:40 **Date Received..:** 03/06/04

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Cadmium	102	(82 - 119)			SW846 6010B	03/11-03/15/04	GAR351DF
	99	(82 - 119)	3.3	(0-25)	SW846 6010B	03/11-03/15/04	GAR351DG
		Dilution Factor: 1					
		Analysis Time..: 21:22					
Chromium	108	(73 - 135)			SW846 6010B	03/11-03/15/04	GAR351DH
	104	(73 - 135)	3.0	(0-25)	SW846 6010B	03/11-03/15/04	GAR351DJ
		Dilution Factor: 1					
		Analysis Time..: 21:22					
Copper	129	(82 - 129)			SW846 6010B	03/11-03/15/04	GAR351DK
	124	(82 - 129)	4.1	(0-25)	SW846 6010B	03/11-03/15/04	GAR351DL
		Dilution Factor: 1					
		Analysis Time..: 21:22					
Nickel	104	(84 - 120)			SW846 6010B	03/11-03/15/04	GAR351DM
	99	(84 - 120)	3.5	(0-25)	SW846 6010B	03/11-03/15/04	GAR351DN
		Dilution Factor: 1					
		Analysis Time..: 21:22					
Lead	115	(89 - 121)			SW846 6010B	03/11-03/15/04	GAR351DP
	110	(89 - 121)	3.6	(0-25)	SW846 6010B	03/11-03/15/04	GAR351DQ
		Dilution Factor: 1					
		Analysis Time..: 21:22					
Arsenic	126 N	(84 - 124)			SW846 6010B	03/11-03/15/04	GAR351DR
	121	(84 - 124)	3.7	(0-25)	SW846 6010B	03/11-03/15/04	GAR351DT
		Dilution Factor: 1					
		Analysis Time..: 21:22					
Cobalt	110	(82 - 119)			SW846 6010B	03/11-03/15/04	GAR351DU
	105	(82 - 119)	3.6	(0-25)	SW846 6010B	03/11-03/15/04	GAR351DV
		Dilution Factor: 1					
		Analysis Time..: 21:22					
Antimony	124	(81 - 124)			SW846 6010B	03/11-03/15/04	GAR351DW
	118	(81 - 124)	4.6	(0-25)	SW846 6010B	03/11-03/15/04	GAR351DX
		Dilution Factor: 1					
		Analysis Time..: 21:22					
Selenium	133	(71 - 140)			SW846 6010B	03/11-03/15/04	GAR351D0
	128	(71 - 140)	3.8	(0-25)	SW846 6010B	03/11-03/15/04	GAR351D1
		Dilution Factor: 1					
		Analysis Time..: 21:22					

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MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: D4C050375 **Matrix.....:** WATER
Date Sampled...: 03/05/04 14:40 **Date Received..:** 03/06/04

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Beryllium	112	(79 - 121)			SW846 6010B	03/11-03/16/04	GAR351D2
	107	(79 - 121)	4.2	(0-25)	SW846 6010B	03/11-03/16/04	GAR351D3
		Dilution Factor: 1					
		Analysis Time..: 06:37					
Barium	107	(85 - 120)			SW846 6010B	03/11-03/15/04	GAR351D4
	99	(85 - 120)	3.2	(0-25)	SW846 6010B	03/11-03/15/04	GAR351D5
		Dilution Factor: 1					
		Analysis Time..: 21:22					
Potassium	NC,MSB	(76 - 132)			SW846 6010B	03/11-03/16/04	GAR351D6
	NC,MSB	(76 - 132)		(0-25)	SW846 6010B	03/11-03/16/04	GAR351D7
		Dilution Factor: 1					
		Analysis Time..: 06:37					

NOTE(S):

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

N Spiked analyte recovery is outside stated control limits.

NC The recovery and/or RPD were not calculated.

MSB The recovery and RPD were not calculated because the sample amount was greater than four times the spike amount.

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: D4C050375 **Matrix.....:** WATER
Date Sampled...: 03/05/04 14:40 **Date Received..:** 03/06/04

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D4C060201-001 **Prep Batch #...:** 4069642									
Boron									
	9100	1000	10500 N	ug/L	137		SW846 6010B	03/11-03/16/04	GAR351CW
	9100	1000	9970 N	ug/L	84	5.2	SW846 6010B	03/11-03/16/04	GAR351CX
			Dilution Factor: 1						
			Analysis Time..: 21:22						
Manganese									
	870	500	1390	ug/L	105		SW846 6010B	03/11-03/15/04	GAR351C0
	870	500	1350	ug/L	97	3.0	SW846 6010B	03/11-03/15/04	GAR351C1
			Dilution Factor: 1						
			Analysis Time..: 21:22						
Sodium									
	1900000	50000	1950000	ug/L			SW846 6010B	03/11-03/16/04	GAR351C2
			Qualifiers: NC,MSB						
	1900000	50000	1910000	ug/L			SW846 6010B	03/11-03/16/04	GAR351C3
			Qualifiers: NC,MSB						
			Dilution Factor: 1						
			Analysis Time..: 06:37						
Calcium									
	270000	50000	329000	ug/L			SW846 6010B	03/11-03/16/04	GAR351C4
			Qualifiers: NC,MSB						
	270000	50000	321000	ug/L			SW846 6010B	03/11-03/16/04	GAR351C5
			Qualifiers: NC,MSB						
			Dilution Factor: 1						
			Analysis Time..: 06:37						
Magnesium									
	260000	50000	319000	ug/L			SW846 6010B	03/11-03/16/04	GAR351C6
			Qualifiers: NC,MSB						
	260000	50000	311000	ug/L			SW846 6010B	03/11-03/16/04	GAR351C7
			Qualifiers: NC,MSB						
			Dilution Factor: 1						
			Analysis Time..: 06:37						
Iron									
	21000	1000	22500	ug/L			SW846 6010B	03/11-03/16/04	GAR351C8
			Qualifiers: NC,MSB						
	21000	1000	22100	ug/L			SW846 6010B	03/11-03/16/04	GAR351C9
			Qualifiers: NC,MSB						
			Dilution Factor: 1						
			Analysis Time..: 06:37						

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MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: D4C050375 **Matrix.....:** WATER
Date Sampled...: 03/05/04 14:40 **Date Received..:** 03/06/04

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc									
	390	500	810	ug/L	84		SW846 6010B	03/11-03/15/04	GAR351DA
	390	500	782	ug/L	79	3.6	SW846 6010B	03/11-03/15/04	GAR351DC
			Dilution Factor: 1						
			Analysis Time..: 21:22						
Silver									
	ND	50.0	72.3 N	ug/L	144		SW846 6010B	03/11-03/15/04	GAR351DD
	ND	50.0	69.0	ug/L	138	4.6	SW846 6010B	03/11-03/15/04	GAR351DE
			Dilution Factor: 1						
			Analysis Time..: 21:22						
Cadmium									
	3.1	50.0	54.2	ug/L	102		SW846 6010B	03/11-03/15/04	GAR351DF
	3.1	50.0	52.4	ug/L	99	3.3	SW846 6010B	03/11-03/15/04	GAR351DG
			Dilution Factor: 1						
			Analysis Time..: 21:22						
Chromium									
	96	200	313	ug/L	108		SW846 6010B	03/11-03/15/04	GAR351DH
	96	200	304	ug/L	104	3.0	SW846 6010B	03/11-03/15/04	GAR351DJ
			Dilution Factor: 1						
			Analysis Time..: 21:22						
Copper									
	39	250	363	ug/L	129		SW846 6010B	03/11-03/15/04	GAR351DK
	39	250	348	ug/L	124	4.1	SW846 6010B	03/11-03/15/04	GAR351DL
			Dilution Factor: 1						
			Analysis Time..: 21:22						
Nickel									
	240	500	760	ug/L	104		SW846 6010B	03/11-03/15/04	GAR351DM
	240	500	734	ug/L	99	3.5	SW846 6010B	03/11-03/15/04	GAR351DN
			Dilution Factor: 1						
			Analysis Time..: 21:22						
Lead									
	23	500	596	ug/L	115		SW846 6010B	03/11-03/15/04	GAR351DP
	23	500	575	ug/L	110	3.6	SW846 6010B	03/11-03/15/04	GAR351DQ
			Dilution Factor: 1						
			Analysis Time..: 21:22						

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MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: D4C050375 **Matrix.....:** WATER
Date Sampled...: 03/05/04 14:40 **Date Received..:** 03/06/04

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Arsenic									
	350	2000	2880 N	ug/L	126		SW846 6010B	03/11-03/15/04	GAR351DR
	350	2000	2770	ug/L	121	3.7	SW846 6010B	03/11-03/15/04	GAR351DT
			Dilution Factor: 1						
			Analysis Time..: 21:22						
Cobalt									
	52	500	600	ug/L	110		SW846 6010B	03/11-03/15/04	GAR351DU
	52	500	579	ug/L	105	3.6	SW846 6010B	03/11-03/15/04	GAR351DV
			Dilution Factor: 1						
			Analysis Time..: 21:22						
Antimony									
	16	500	636	ug/L	124		SW846 6010B	03/11-03/15/04	GAR351DW
	16	500	607	ug/L	118	4.6	SW846 6010B	03/11-03/15/04	GAR351DX
			Dilution Factor: 1						
			Analysis Time..: 21:22						
Selenium									
	13	2000	2670	ug/L	133		SW846 6010B	03/11-03/15/04	GAR351D0
	13	2000	2570	ug/L	128	3.8	SW846 6010B	03/11-03/15/04	GAR351D1
			Dilution Factor: 1						
			Analysis Time..: 21:22						
Beryllium									
	1.9	50.0	57.8	ug/L	112		SW846 6010B	03/11-03/16/04	GAR351D2
	1.9	50.0	55.4	ug/L	107	4.2	SW846 6010B	03/11-03/16/04	GAR351D3
			Dilution Factor: 1						
			Analysis Time..: 06:37						
Barium									
	2900	2000	5090	ug/L	107		SW846 6010B	03/11-03/15/04	GAR351D4
	2900	2000	4930	ug/L	99	3.2	SW846 6010B	03/11-03/15/04	GAR351D5
			Dilution Factor: 1						
			Analysis Time..: 21:22						
Potassium									
	810000	50000	882000	ug/L			SW846 6010B	03/11-03/16/04	GAR351D6
			Qualifiers: NC,MSB						
	810000	50000	858000	ug/L			SW846 6010B	03/11-03/16/04	GAR351D7
			Qualifiers: NC,MSB						
			Dilution Factor: 1						
			Analysis Time..: 06:37						

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MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: D4C050375 **Matrix.....:** WATER
Date Sampled...: 03/05/04 14:40 **Date Received..:** 03/06/04

NOTE(S):

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

N Spiked analyte recovery is outside stated control limits.

NC The recovery and/or RPD were not calculated.

MSB The recovery and RPD were not calculated because the sample amount was greater than four times the spike amount.

METHOD BLANK REPORT

General Chemistry

Client Lot #...: D4C050375 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chemical Oxygen Demand (COD)		Work Order #: GA7EJ1AA		MB Lot-Sample #:	D4C120000-435	
	ND	8.0	mg/L	MCAWW 410.4	03/11/04	4072435
		Dilution Factor: 1				
		Analysis Time..: 20:30				
Chemical Oxygen Demand (COD)		Work Order #: GCQA71AA		MB Lot-Sample #:	D4C230000-351	
	ND	8.0	mg/L	MCAWW 410.4	03/22/04	4083351
		Dilution Factor: 1				
		Analysis Time..: 18:30				
Chloride		Work Order #: GAX2J1AA		MB Lot-Sample #:	D4C090000-344	
	ND	3.0	mg/L	MCAWW 300.0A	03/08/04	4069344
		Dilution Factor: 1				
		Analysis Time..: 13:10				
Fluoride		Work Order #: GAX1F1AA		MB Lot-Sample #:	D4C090000-346	
	ND	1.0	mg/L	MCAWW 300.0A	03/08/04	4069346
		Dilution Factor: 1				
		Analysis Time..: 13:10				
Free Cyanide (4500-CN-I)		Work Order #: GCD3K1AA		MB Lot-Sample #:	D4C170000-305	
	ND	0.010	mg/L	SM18 4500-CN-I	03/16/04	4077305
		Dilution Factor: 1				
		Analysis Time..: 15:00				
Hardness, as CaCO3		Work Order #: GCED11AA		MB Lot-Sample #:	D4C160000-519	
	ND	5.0	mg/L	MCAWW 130.2	03/16/04	4076519
		Dilution Factor: 1				
		Analysis Time..: 12:00				
HEM (Oil and Grease)		Work Order #: GCDA21AA		MB Lot-Sample #:	D4C160000-526	
	ND	5.0	mg/L	CFR136A 1664A HEM	03/16/04	4076526
		Dilution Factor: 1				
		Analysis Time..: 21:00				
Specific Conductance		Work Order #: GCAAV1AA		MB Lot-Sample #:	D4C150000-639	
	ND	2.0	umhos/cm	MCAWW 120.1	03/15/04	4075639
		Dilution Factor: 1				
		Analysis Time..: 15:00				

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METHOD BLANK REPORT

General Chemistry

Client Lot #...: D4C050375 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Sulfate		Work Order #: GAX3K1AA		MB Lot-Sample #:	D4C090000-345	
	ND	5.0	mg/L	MCAWW 300.0A	03/08/04	4069345
		Dilution Factor: 1				
		Analysis Time..: 13:10				
Total Alkalinity		Work Order #: GCAE51AA		MB Lot-Sample #:	D4C150000-209	
	ND	5.0	mg/L	MCAWW 310.1	03/12/04	4075209
		Dilution Factor: 1				
		Analysis Time..: 12:00				
Total Cyanide		Work Order #: GA6931AA		MB Lot-Sample #:	D4C110000-217	
	ND	0.010	mg/L	MCAWW 335.3	03/10/04	4071217
		Dilution Factor: 1				
		Analysis Time..: 17:00				
Total Dissolved Solids		Work Order #: GA88F1AA		MB Lot-Sample #:	D4C100000-484	
	ND	10	mg/L	MCAWW 160.1	03/10/04	4070484
		Dilution Factor: 1				
		Analysis Time..: 18:00				
Total Organic Halogens		Work Order #: GCD3Q1AA		MB Lot-Sample #:	D4C170000-328	
	ND	30	ug/L	SW846 9020B	03/16/04	4077328
		Dilution Factor: 1				
		Analysis Time..: 12:00				
Total Organic Carbon		Work Order #: GCPM01AA		MB Lot-Sample #:	D4C230000-155	
	ND	1.0	mg/L	MCAWW 415.1	03/18/04	4083155
		Dilution Factor: 1				
		Analysis Time..: 11:00				
Total Sulfide		Work Order #: GAWV81AA		MB Lot-Sample #:	D4C080000-647	
	ND	0.050	mg/L	MCAWW 376.2	03/08/04	4068647
		Dilution Factor: 1				
		Analysis Time..: 16:30				

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Lot-Sample #...: D4C050375 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chemical Oxygen Demand (COD)		WO#:GA7EJ1AC-LCS/GA7EJ1AD-LCSD LCS Lot-Sample#: D4C120000-435					
	102	(86 - 114)			MCAWW 410.4	03/11/04	4072435
	102	(86 - 114)	0.64	(0-11)	MCAWW 410.4	03/11/04	4072435
		Dilution Factor: 1			Analysis Time..: 20:30		
Chemical Oxygen Demand (COD)		WO#:GCQA71AC-LCS/GCQA71AD-LCSD LCS Lot-Sample#: D4C230000-351					
	100	(86 - 114)			MCAWW 410.4	03/22/04	4083351
	99	(86 - 114)	0.66	(0-11)	MCAWW 410.4	03/22/04	4083351
		Dilution Factor: 1			Analysis Time..: 18:30		
Chloride		WO#:GAX2J1AC-LCS/GAX2J1AD-LCSD LCS Lot-Sample#: D4C090000-344					
	103	(90 - 110)			MCAWW 300.0A	03/08/04	4069344
	102	(90 - 110)	1.1	(0-10)	MCAWW 300.0A	03/08/04	4069344
		Dilution Factor: 1			Analysis Time..: 12:47		
Fluoride		WO#:GAX1F1AC-LCS/GAX1F1AD-LCSD LCS Lot-Sample#: D4C090000-346					
	105	(90 - 110)			MCAWW 300.0A	03/08/04	4069346
	104	(90 - 110)	0.23	(0-10)	MCAWW 300.0A	03/08/04	4069346
		Dilution Factor: 1			Analysis Time..: 12:47		
Hardness, as CaCO3		WO#:GCED11AC-LCS/GCED11AD-LCSD LCS Lot-Sample#: D4C160000-519					
	100	(96 - 108)			MCAWW 130.2	03/16/04	4076519
	100	(96 - 108)	0.25	(0-5.0)	MCAWW 130.2	03/16/04	4076519
		Dilution Factor: 1			Analysis Time..: 12:00		
HEM (Oil and Grease)		WO#:GCDA21AC-LCS/GCDA21AD-LCSD LCS Lot-Sample#: D4C160000-526					
	91	(78 - 114)			CFR136A 1664A HEM	03/16/04	4076526
	89	(78 - 114)	1.9	(0-47)	CFR136A 1664A HEM	03/16/04	4076526
		Dilution Factor: 1			Analysis Time..: 21:00		
Specific Conductance		WO#:GCAAV1AC-LCS/GCAAV1AD-LCSD LCS Lot-Sample#: D4C150000-639					
	100	(89 - 109)			MCAWW 120.1	03/15/04	4075639
	100	(89 - 109)	0.42	(0-7.0)	MCAWW 120.1	03/15/04	4075639
		Dilution Factor: 1			Analysis Time..: 15:00		

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Lot-Sample #...: D4C050375 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Sulfate		WO#:GAX3K1AC-LCS/GAX3K1AD-LCSD				LCS Lot-Sample#: D4C090000-345	
	100	(90 - 110)			MCAWW 300.0A	03/08/04	4069345
	99	(90 - 110)	0.90	(0-10)	MCAWW 300.0A	03/08/04	4069345
		Dilution Factor: 1			Analysis Time..: 12:47		
Total Alkalinity		WO#:GCAE51AC-LCS/GCAE51AD-LCSD				LCS Lot-Sample#: D4C150000-209	
	96	(95 - 110)			MCAWW 310.1	03/12/04	4075209
	97	(95 - 110)	0.74	(0-10)	MCAWW 310.1	03/12/04	4075209
		Dilution Factor: 1			Analysis Time..: 12:00		
Total Dissolved Solids		WO#:GA88F1AC-LCS/GA88F1AD-LCSD				LCS Lot-Sample#: D4C100000-484	
	94	(86 - 106)			MCAWW 160.1	03/10/04	4070484
	94	(86 - 106)	0.0	(0-20)	MCAWW 160.1	03/10/04	4070484
		Dilution Factor: 1			Analysis Time..: 18:00		
Total Organic Carbon		WO#:GCPM01AC-LCS/GCPM01AD-LCSD				LCS Lot-Sample#: D4C230000-155	
	106	(90 - 110)			MCAWW 415.1	03/18/04	4083155
	105	(90 - 110)	1.2	(0-10)	MCAWW 415.1	03/18/04	4083155
		Dilution Factor: 1			Analysis Time..: 11:00		
Total Sulfide		WO#:GAWV81AC-LCS/GAWV81AD-LCSD				LCS Lot-Sample#: D4C080000-647	
	101	(79 - 131)			MCAWW 376.2	03/08/04	4068647
	106	(79 - 131)	4.6	(0-10)	MCAWW 376.2	03/08/04	4068647
		Dilution Factor: 1			Analysis Time..: 16:30		

NOTE(S):

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

LABORATORY CONTROL SAMPLE DATA REPORT

General Chemistry

Lot-Sample #...: D4C050375 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chemical Oxygen Demand (COD)		WO#:GA7EJ1AC-LCS/GA7EJ1AD-LCSD				LCS Lot-Sample#: D4C120000-435		
	100	102	mg/L	102		MCAWW 410.4	03/11/04	4072435
	100	102	mg/L	102	0.64	MCAWW 410.4	03/11/04	4072435
		Dilution Factor: 1				Analysis Time..: 20:30		
Chemical Oxygen Demand (COD)		WO#:GCQA71AC-LCS/GCQA71AD-LCSD				LCS Lot-Sample#: D4C230000-351		
	100	99.9	mg/L	100		MCAWW 410.4	03/22/04	4083351
	100	99.2	mg/L	99	0.66	MCAWW 410.4	03/22/04	4083351
		Dilution Factor: 1				Analysis Time..: 18:30		
Chloride		WO#:GAX2J1AC-LCS/GAX2J1AD-LCSD				LCS Lot-Sample#: D4C090000-344		
	20.0	20.6	mg/L	103		MCAWW 300.0A	03/08/04	4069344
	20.0	20.3	mg/L	102	1.1	MCAWW 300.0A	03/08/04	4069344
		Dilution Factor: 1				Analysis Time..: 12:47		
Fluoride		WO#:GAX1F1AC-LCS/GAX1F1AD-LCSD				LCS Lot-Sample#: D4C090000-346		
	4.00	4.19	mg/L	105		MCAWW 300.0A	03/08/04	4069346
	4.00	4.18	mg/L	104	0.23	MCAWW 300.0A	03/08/04	4069346
		Dilution Factor: 1				Analysis Time..: 12:47		
Hardness, as CaCO3		WO#:GCED11AC-LCS/GCED11AD-LCSD				LCS Lot-Sample#: D4C160000-519		
	400	399	mg/L	100		MCAWW 130.2	03/16/04	4076519
	400	398	mg/L	100	0.25	MCAWW 130.2	03/16/04	4076519
		Dilution Factor: 1				Analysis Time..: 12:00		
HEM (Oil and Grease)		WO#:GCDA21AC-LCS/GCDA21AD-LCSD				LCS Lot-Sample#: D4C160000-526		
	40.0	36.4	mg/L	91		CFR136A 1664A HEM	03/16/04	4076526
	40.0	35.7	mg/L	89	1.9	CFR136A 1664A HEM	03/16/04	4076526
		Dilution Factor: 1				Analysis Time..: 21:00		
Specific Conductance		WO#:GCAAV1AC-LCS/GCAAV1AD-LCSD				LCS Lot-Sample#: D4C150000-639		
	1410	1410	umhos/cm	100		MCAWW 120.1	03/15/04	4075639
	1410	1400	umhos/cm	100	0.42	MCAWW 120.1	03/15/04	4075639
		Dilution Factor: 1				Analysis Time..: 15:00		

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LABORATORY CONTROL SAMPLE DATA REPORT

General Chemistry

Lot-Sample #...: D4C050375 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Sulfate			WO#:GAX3K1AC-LCS/GAX3K1AD-LCSD			LCS Lot-Sample#: D4C090000-345		
	20.0	20.0	mg/L	100		MCAWW 300.0A	03/08/04	4069345
	20.0	19.8	mg/L	99	0.90	MCAWW 300.0A	03/08/04	4069345
			Dilution Factor: 1			Analysis Time..: 12:47		
Total Alkalinity			WO#:GCAE51AC-LCS/GCAE51AD-LCSD			LCS Lot-Sample#: D4C150000-209		
	200	192	mg/L	96		MCAWW 310.1	03/12/04	4075209
	200	193	mg/L	97	0.74	MCAWW 310.1	03/12/04	4075209
			Dilution Factor: 1			Analysis Time..: 12:00		
Total Dissolved Solids			WO#:GA88F1AC-LCS/GA88F1AD-LCSD			LCS Lot-Sample#: D4C100000-484		
	500	472	mg/L	94		MCAWW 160.1	03/10/04	4070484
	500	472	mg/L	94	0.0	MCAWW 160.1	03/10/04	4070484
			Dilution Factor: 1			Analysis Time..: 18:00		
Total Organic Carbon			WO#:GCPM01AC-LCS/GCPM01AD-LCSD			LCS Lot-Sample#: D4C230000-155		
	25.0	26.5	mg/L	106		MCAWW 415.1	03/18/04	4083155
	25.0	26.2	mg/L	105	1.2	MCAWW 415.1	03/18/04	4083155
			Dilution Factor: 1			Analysis Time..: 11:00		
Total Sulfide			WO#:GAWV81AC-LCS/GAWV81AD-LCSD			LCS Lot-Sample#: D4C080000-647		
	0.276	0.279	mg/L	101		MCAWW 376.2	03/08/04	4068647
	0.276	0.292	mg/L	106	4.6	MCAWW 376.2	03/08/04	4068647
			Dilution Factor: 1			Analysis Time..: 16:30		

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: D4C050375 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Free Cyanide (4500-CN-I)		Work Order #: GCD3K1AC LCS Lot-Sample#: D4C170000-305			
	98	(75 - 120)	SM18 4500-CN-I	03/16/04	4077305
		Dilution Factor: 1	Analysis Time..: 15:00		
Total Cyanide		Work Order #: GA6931AC LCS Lot-Sample#: D4C110000-217			
	97	(89 - 109)	MCAWW 335.3	03/10/04	4071217
		Dilution Factor: 1	Analysis Time..: 17:00		
Total Organic Halogens		Work Order #: GCD3Q1AC LCS Lot-Sample#: D4C170000-328			
	88	(75 - 113)	SW846 9020B	03/16/04	4077328
		Dilution Factor: 1	Analysis Time..: 12:00		

NOTE(S):

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

LABORATORY CONTROL SAMPLE DATA REPORT

General Chemistry

Client Lot #...: D4C050375 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Free Cyanide	(4500-CN-I)		Work Order #:	GCD3K1AC	LCS Lot-Sample#:	D4C170000-305	
	0.100	0.0984	mg/L	98	SM18 4500-CN-I	03/16/04	4077305
			Dilution Factor: 1		Analysis Time..: 15:00		
Total Cyanide			Work Order #:	GA6931AC	LCS Lot-Sample#:	D4C110000-217	
	0.100	0.0973	mg/L	97	MCAWW 335.3	03/10/04	4071217
			Dilution Factor: 1		Analysis Time..: 17:00		
Total Organic Halogens			Work Order #:	GCD3Q1AC	LCS Lot-Sample#:	D4C170000-328	
	100	88.0	ug/L	88	SW846 9020B	03/16/04	4077328
			Dilution Factor: 1		Analysis Time..: 12:00		

NOTE(S):

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

MATRIX SPIKE SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: D4C050375 **Matrix.....:** WATER
Date Sampled...: 01/19/04 11:35 **Date Received..:** 02/24/04

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chemical Oxygen Demand (COD)		WO#: GAMD81AF-MS/GAMD81AG-MSD				MS Lot-Sample #: D4C040322-001	
	94	(74 - 109)			MCAWW 410.4	03/11/04	4072435
	88	(74 - 109)	5.2	(0-11)	MCAWW 410.4	03/11/04	4072435
		Dilution Factor: 1					
		Analysis Time..: 20:30					
Chemical Oxygen Demand (COD)		WO#: GA0821C7-MS/GA0821C8-MSD				MS Lot-Sample #: D4C100202-002	
	89	(74 - 109)			MCAWW 410.4	03/22/04	4083351
	86	(74 - 109)	3.8	(0-11)	MCAWW 410.4	03/22/04	4083351
		Dilution Factor: 1					
		Analysis Time..: 18:30					
Chloride		WO#: GAQ1Q1CR-MS/GAQ1Q1CT-MSD				MS Lot-Sample #: D4C050375-002	
	112 I	(80 - 120)			MCAWW 300.0A	03/08-03/09/04	4069344
	113 I	(80 - 120)	0.56	(0-10)	MCAWW 300.0A	03/08-03/09/04	4069344
		Dilution Factor: 1					
		Analysis Time..: 09:04					
Fluoride		WO#: GAQ1Q1CP-MS/GAQ1Q1CQ-MSD				MS Lot-Sample #: D4C050375-002	
	103	(80 - 120)			MCAWW 300.0A	03/08-03/09/04	4069346
	101	(80 - 120)	1.4	(0-10)	MCAWW 300.0A	03/08-03/09/04	4069346
		Dilution Factor: 1					
		Analysis Time..: 01:12					
Free Cyanide (4500-CN-I)		WO#: GAQ0N1CR-MS/GAQ0N1CT-MSD				MS Lot-Sample #: D4C050375-001	
	96	(75 - 120)			SM18 4500-CN-I	03/16/04	4077305
	93	(75 - 120)	3.7	(0-24)	SM18 4500-CN-I	03/16/04	4077305
		Dilution Factor: 1					
		Analysis Time..: 15:00					
Hardness, as CaCO3		WO#: F94V51AC-MS/F94V51AD-MSD				MS Lot-Sample #: D4B240257-001	
	100	(96 - 108)			MCAWW 130.2	03/16/04	4076518
	101	(96 - 108)	0.41	(0-5.0)	MCAWW 130.2	03/16/04	4076518
		Dilution Factor: 1					
		Analysis Time..: 12:00					
Sulfate		WO#: GAQ1Q1CU-MS/GAQ1Q1CV-MSD				MS Lot-Sample #: D4C050375-002	
	106	(80 - 120)			MCAWW 300.0A	03/08-03/09/04	4069345
	96	(80 - 120)	8.7	(0-10)	MCAWW 300.0A	03/08-03/09/04	4069345
		Dilution Factor: 1					
		Analysis Time..: 00:38					

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MATRIX SPIKE SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: D4C050375 **Matrix.....:** WATER
Date Sampled...: 01/19/04 11:35 **Date Received..:** 02/24/04

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Cyanide		WO#: GAH7L1CA-MS/GAH7L1CC-MSD				MS Lot-Sample #: D4C030200-001	
	95	(78 - 120)			MCAWW 335.3	03/10/04	4071217
	96	(78 - 120)	0.46	(0-20)	MCAWW 335.3	03/10/04	4071217
		Dilution Factor: 1					
		Analysis Time..: 17:00					
Total Organic Halogens		WO#: GAQ1W1CP-MS/GAQ1W1CQ-MSD				MS Lot-Sample #: D4C050375-003	
	94	(75 - 113)			SW846 9020B	03/16-03/18/04	4077328
	90	(75 - 113)	3.8	(0-30)	SW846 9020B	03/16-03/18/04	4077328
		Dilution Factor: 1					
		Analysis Time..: 18:00					
Total Organic Carbon		WO#: GAV081AJ-MS/GAV081AK-MSD				MS Lot-Sample #: D4C090115-001	
	97	(85 - 117)			MCAWW 415.1	03/18/04	4083155
	97	(85 - 117)	0.20	(0-10)	MCAWW 415.1	03/18/04	4083155
		Dilution Factor: 1					
		Analysis Time..: 14:00					
Total Sulfide		WO#: GAQ0N1CP-MS/GAQ0N1CQ-MSD				MS Lot-Sample #: D4C050375-001	
	50 N	(51 - 113)			MCAWW 376.2	03/08/04	4068647
	55 *	(51 - 113)	11	(0-10)	MCAWW 376.2	03/08/04	4068647
		Dilution Factor: 1					
		Analysis Time..: 16:30					

NOTE(S):

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

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

N Spiked analyte recovery is outside stated control limits.

I Estimated result. Result concentration exceeds the calibration range.

MATRIX SPIKE SAMPLE DATA REPORT

General Chemistry

Client Lot #...: D4C050375 **Matrix.....:** WATER
Date Sampled...: 01/19/04 11:35 **Date Received..:** 02/24/04

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chemical Oxygen Demand (COD)			WO#: GAMD81AF-MS/GAMD81AG-MSD				MS Lot-Sample #: D4C040322-001		
	5.2	50.0	52.1	mg/L	94		MCAWW 410.4	03/11/04	4072435
	5.2	50.0	49.4	mg/L	88	5.2	MCAWW 410.4	03/11/04	4072435
			Dilution Factor: 1						
			Analysis Time..: 20:30						
Chemical Oxygen Demand (COD)			WO#: GA0821C7-MS/GA0821C8-MSD				MS Lot-Sample #: D4C100202-002		
	ND	50.0	44.5	mg/L	89		MCAWW 410.4	03/22/04	4083351
	ND	50.0	42.8	mg/L	86	3.8	MCAWW 410.4	03/22/04	4083351
			Dilution Factor: 1						
			Analysis Time..: 18:30						
Chloride			WO#: GAQ1Q1CR-MS/GAQ1Q1CT-MSD				MS Lot-Sample #: D4C050375-002		
	1400	1250	2750 I	mg/L	112		MCAWW 300.0A	03/08-03/09/04	4069344
	1400	1250	2770 I	mg/L	113	0.56	MCAWW 300.0A	03/08-03/09/04	4069344
			Dilution Factor: 1						
			Analysis Time..: 09:04						
Fluoride			WO#: GAQ1Q1CP-MS/GAQ1Q1CQ-MSD				MS Lot-Sample #: D4C050375-002		
	13	50.0	64.4	mg/L	103		MCAWW 300.0A	03/08-03/09/04	4069346
	13	50.0	63.5	mg/L	101	1.4	MCAWW 300.0A	03/08-03/09/04	4069346
			Dilution Factor: 1						
			Analysis Time..: 01:12						
Free Cyanide (4500-CN-I)			WO#: GAQ0N1CR-MS/GAQ0N1CT-MSD				MS Lot-Sample #: D4C050375-001		
	ND	0.100	0.0961	mg/L	96		SM18 4500-CN-	03/16/04	4077305
	ND	0.100	0.0926	mg/L	93	3.7	SM18 4500-CN-	03/16/04	4077305
			Dilution Factor: 1						
			Analysis Time..: 15:00						
Hardness, as CaCO3			WO#: F94V51AC-MS/F94V51AD-MSD				MS Lot-Sample #: D4B240257-001		
	670	1000	1670	mg/L	100		MCAWW 130.2	03/16/04	4076518
	670	1000	1670	mg/L	101	0.41	MCAWW 130.2	03/16/04	4076518
			Dilution Factor: 1						
			Analysis Time..: 12:00						
Sulfate			WO#: GAQ1Q1CU-MS/GAQ1Q1CV-MSD				MS Lot-Sample #: D4C050375-002		
	2.2	50.0	55.1	mg/L	106		MCAWW 300.0A	03/08-03/09/04	4069345
	2.2	50.0	50.5	mg/L	96	8.7	MCAWW 300.0A	03/08-03/09/04	4069345
			Dilution Factor: 1						
			Analysis Time..: 00:38						

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MATRIX SPIKE SAMPLE DATA REPORT

General Chemistry

Client Lot #...: D4C050375 **Matrix.....:** WATER
Date Sampled...: 01/19/04 11:35 **Date Received..:** 02/24/04

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Cyanide			WO#: GAH7L1CA-MS/GAH7L1CC-MSD				MS Lot-Sample #: D4C030200-001		
	0.013	0.100	0.108	mg/L	95		MCAWW 335.3	03/10/04	4071217
	0.013	0.100	0.108	mg/L	96	0.46	MCAWW 335.3	03/10/04	4071217
			Dilution Factor: 1						
			Analysis Time..: 17:00						
Total Organic Halogens			WO#: GAQ1W1CP-MS/GAQ1W1CQ-MSD				MS Lot-Sample #: D4C050375-003		
	460	2000	2340	ug/L	94		SW846 9020B	03/16-03/18/04	4077328
	460	2000	2250	ug/L	90	3.8	SW846 9020B	03/16-03/18/04	4077328
			Dilution Factor: 1						
			Analysis Time..: 18:00						
Total Organic Carbon			WO#: GAV081AJ-MS/GAV081AK-MSD				MS Lot-Sample #: D4C090115-001		
	5.3	25.0	29.5	mg/L	97		MCAWW 415.1	03/18/04	4083155
	5.3	25.0	29.5	mg/L	97	0.20	MCAWW 415.1	03/18/04	4083155
			Dilution Factor: 1						
			Analysis Time..: 14:00						
Total Sulfide			WO#: GAQ0N1CP-MS/GAQ0N1CQ-MSD				MS Lot-Sample #: D4C050375-001		
	ND	0.552	0.275 N	mg/L	50		MCAWW 376.2	03/08/04	4068647
	ND	0.552	0.306 *	mg/L	55	11	MCAWW 376.2	03/08/04	4068647
			Dilution Factor: 1						
			Analysis Time..: 16:30						

NOTE(S):

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

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

N Spiked analyte recovery is outside stated control limits.

I Estimated result. Result concentration exceeds the calibration range.

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: D4C050375 **Work Order #...:** GAQ0R-SMP GAQ0R-DUP **Matrix.....:** WATER

Date Sampled...: 03/03/04 15:00 **Date Received..:** 03/05/04

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Dissolved Solids						SD Lot-Sample #:	D4C050373-001	
	1200	1200	mg/L	0.24	(0-20)	MCAWW 160.1	03/10/04	4070484

Dilution Factor: 1 Analysis Time..: 18:00

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: D4C050375 **Work Order #...:** GAM29-SMP **Matrix.....:** WATER
GAM29-DUP

Date Sampled...: 03/02/04 14:00 **Date Received..:** 03/04/04

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Alkalinity						SD Lot-Sample #:	D4C040387-002	
	91	91	mg/L	0.11	(0-10)	MCAWW 310.1	03/12/04	4075208

Dilution Factor: 1 Analysis Time..: 12:00

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: D4C050375 **Work Order #...:** F97X6-SMP **Matrix.....:** WATER
F97X6-DUP

Date Sampled...: 02/26/04 08:00 **Date Received..:** 02/26/04

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Specific Conductance						SD Lot-Sample #:	D4B260128-001	
	270	270	umhos/cm	0.37	(0-7.0)	MCAWW 120.1	03/15/04	4075639

Dilution Factor: 1 Analysis Time..: 15:00

Chain of Custody Record

2.7° 3.2° 3.6° BP 3.5°

SEVERN TRENT **STL**
Severn Trent Laboratories, Inc.

STL Denver
4955 Yarrow Street
Arvada, CO 80002

STL-4124 (0901)

Client	Project Manager	Date	Chain of Custody Number
SCS ENG. C/O WASTE MGMT	TINA SCHMIESING	3/4/04	303832
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page 1 of 1**
LONG BEACH BLVD 9TH FL.	1 800 326-9544		
City / State / Zip Code	**Site Contact**	**Lab Contact**	
LONG BEACH / CA / 90807	BRUCE M	BOBBY F.	
Project Name and Location (State)	**Carrier/Waybill Number**		
BRADLEY LF			
Contract/Purchase Order/Quote No.			
234-25662-A			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil		Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH		Analysis (Attach list if more space is needed): COND	Cl/SO4/PO4	Total Sulfide	Cyanide	Alkalinity	TDS	TDS	AK	Metals Tot.	Fec Cn.	8 8 G	VOA	Special Instructions/ Conditions of Receipt: BNA Tot. Cd
LEACHATE SUMP C	3/4/04	1105		X				3	4	1	3	1	1		X	X	X	X	X	X	X	X	X	X	X	X	X X
LEACHATE SUMP D	3/4/04	1150		X				3	4	1	3	1	1		X	X	X	X	X	X	X	X	X	X	X	X	X X
LEACHATE SUMP F	3/4/04	1230		X				3	4	1	3	1	1		X	X	X	X	X	X	X	X	X	X	X	X	X X
TRIP BLANK	3/4/04	1430		X							1															X	

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

Relinquished By	Date	Time	Received By	Date	Time
1. [signature]	3/4/04	1450	1. [signature]	3/5/04	0900
2.			2.		
3.			3.		

Comments
2

DISTRIBUTION: E - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

SEVERN TRENT STL

STL Denver
4955 Yarrow Street
Arvada, CO 80002

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

ANALYTICAL REPORT

Project No. Site 234

Bradley LF

Lot #: D4C060201

Sumps

Bruce Matlock

Waste Mgmt. Disp. Serv. of CA
9081 Tujunga
Sun Valley CA 91352

Cc: Tina Schmiesing

STL DENVER

Betsy Farnaus
Project Manager

March 26, 2004

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- **Executive Summary – Detection Highlights**
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- **Method/Analyst Summary**
- **Lot Sample Summary**
- **Analytical Results**
- **QC Data Association Summary**
- **Chain-of-Custody**

Case Narrative

Enclosed is the report for three samples received at STL's Denver laboratory on March 6, 2004. The results included in this report have been reviewed for compliance with STL's Laboratory Quality Manual. The test results shown in this report meet all requirements of NELAC and any exceptions are noted below.

This report may include data with reporting limits (RLs) less than STL Denver's standard reporting limits. These data and reporting limits are being used specifically to meet the needs of this project. Note that, data are not customarily reported to these levels without qualifiers, because they are inherently less reliable and potentially less defensible than the latest industry standards require. Please contact STL Denver for more details.

Dilution factors and footnotes have been provided to assist in the interpretation of the results. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at concentrations above the linear calibration curve, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

STL utilizes USEPA approved methods in all analytical work. The samples presented in this report were analyzed for the parameters listed on the analytical methods summary page in accordance with the methods indicated. A summary of quality control parameters is provided below.

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Quality Control Summary for Lot D4C060201

Sample Receiving

- The cooler temperatures upon receipt at the Denver laboratory were 3.6°C and 9.0°C. The 9.0°C cooler temperature was above the recommended temperature of 6.0 °C. The client was notified and requested to proceed with all analyses.

- All VOA vials received for the samples NEW SUMP E and OLD SUMP E contained approximately 5 mm to 10 mm of headspace. The client was notified.

- One of the two one liter unpreserved amber bottles for the sample NEW SUMP E was broken in transit, however sufficient volume remained for Method 8270C analysis.

- All sulfuric acid preserved amber bottles for the samples NEW SUMP E and OLD SUMP had pH values greater than 2. This is non-compliant with Methods 410.4, 1664A HEM, 415.1 and 9020B which require samples to be preserved with sulfuric acid to a pH of less than 2.

- The sample bottles collected for samples NEW SUMP E and OLD SUMP for Method 6010B and Method 7470A analyses had pH values greater than 2. This is non-compliant with Method 6010B and Method 7470A, which require samples to be preserved with nitric acid to a pH of less than 2.

- All other sample bottles were received in acceptable condition.

Holding Times

- All holding times were within established control limits.

Trip Blanks

- Methylene Chloride was detected in the Trip Blank sample at a level below the requested reporting limit. Methylene Chloride was also detected in the associated samples NEW SUMP E and OLD SUMP E, however at levels greater than ten times the result of the trip blank, and therefore there is no affect on the data.

Method Blanks

- Methylene Chloride Method 8260B, Total Silver, Total Beryllium and Total Potassium Method 6010B, Sulfate Method 300.0A and Total Alkalinity Method 310.1 were detected in the Method Blanks at levels below the project established reporting limits. No corrective action is taken for any values in Method Blanks that are below the requested reporting limits.

- All other Method Blanks were within established control limits.

Laboratory Control Samples

- The Method 8270C LCS surrogate recovery of 2-Fluorobiphenyl was slightly below control limits at 49% (recovery limits 53-97). Because all other LCS surrogates and all LCS target analyte recoveries were within control limits, corrective action was deemed unnecessary.

- All other Laboratory Control Samples were within established control limits.

Matrix Spike and Matrix Spike Duplicate (MS/MSD)

- The method required MS/MSD could not be performed for Method 1664A HEM due to insufficient sample volume, however, a LCS/LCSD pair was analyzed to demonstrate method precision.

- The method required MS/MSD could not be performed for Method 8270C due to insufficient sample volume. Because the Method Blank and LCS met QC criteria, no corrective action was taken.

- The percent recoveries of the MS/MSD and/or the relative percent difference were not calculated for Total Sodium, Total Calcium, Total Magnesium, Total Iron and Total Potassium during Method 6010B analysis because the sample concentration was greater than four times the spike amount.

- The Matrix Spike and/or Matrix Spike Duplicate recoveries were outside control limits for Total Boron, Total Silver, Total Arsenic Method 6010B and Total Sulfide Method 376.2. In addition, the RPD result was outside the RPD limits for Total Sulfide. Because the corresponding Laboratory Control Samples and the Method Blank samples were within control limits, these anomalies are considered to be due to matrix interference and no corrective action was taken.

- Due to the result concentration exceeding the calibration range the MS/MSD results for Chloride Method 300.0A are estimated.

- All other MS and MSD samples were within established control limits.

Organics

- The samples NEW SUMP E and OLD SUMP E had pH values greater than 2. This is non-compliant with Method 8260B, which requires samples to be preserved with hydrochloric acid to a pH of less than 2. However, because these samples are leachate samples a buffering affect is suspected.

- Due to target compounds, the samples NEW SUMP E and OLD SUMP E were diluted for Method 8260B analysis.

- The reporting limits for samples NEW SUMP E and OLD SUMP E Method 8270C were elevated due to high levels of target analytes. In addition, the surrogate recoveries for the samples NEW SUMP E and OLD SUMP E were not calculated due to these dilutions performed on the sample.

Inorganics

- Due to matrix interference, the normal Mercury Method 7470A preparation procedure was ineffective for the sample NEW SUMP E. The sample was reprepared at a ten times dilution and analyzed as normal 10 ml aliquots.

EXECUTIVE SUMMARY - Detection Highlights

D4C060201

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
NEW SUMP E 03/05/04 14:40 001				
Cadmium	3.1 B	5.0	ug/L	SW846 6010B
Lead	23	3.0	ug/L	SW846 6010B
Arsenic	350	10	ug/L	SW846 6010B
Cobalt	52	10	ug/L	SW846 6010B
Antimony	16	10	ug/L	SW846 6010B
Selenium	13	5.0	ug/L	SW846 6010B
Boron	9100	100	ug/L	SW846 6010B
Manganese	870	10	ug/L	SW846 6010B
Sodium	1900000	5000	ug/L	SW846 6010B
Calcium	270000	200	ug/L	SW846 6010B
Magnesium	260000	200	ug/L	SW846 6010B
Iron	21000	100	ug/L	SW846 6010B
Zinc	390	20	ug/L	SW846 6010B
Chromium	96	10	ug/L	SW846 6010B
Copper	39	10	ug/L	SW846 6010B
Nickel	240	40	ug/L	SW846 6010B
Beryllium	1.9 B,J	5.0	ug/L	SW846 6010B
Barium	2900	100	ug/L	SW846 6010B
Potassium	810000	5000	ug/L	SW846 6010B
	Qualifiers: J,L			
3-Methylphenol & 4-Methylphenol	5000	500	ug/L	SW846 8270C
Phenol	2400	500	ug/L	SW846 8270C
Acetone	4700	1700	ug/L	SW846 8260B
Methylene chloride	19 J,B	250	ug/L	SW846 8260B
4-Methyl-2-pentanone	110 J	500	ug/L	SW846 8260B
Styrene	85 J	250	ug/L	SW846 8260B
Toluene	28 J	50	ug/L	SW846 8260B
2-Butanone (MEK)	3900	500	ug/L	SW846 8260B
Specific Conductance	18000	2.0	umhos/cm	MCAWW 120.1
Hardness, as CaCO3	1800 Q	62	mg/L	MCAWW 130.2
Total Dissolved Solids	10000 Q	50	mg/L	MCAWW 160.1
Chloride	3000 Q	300	mg/L	MCAWW 300.0A
Sulfate	3.8 B,J,G	25	mg/L	MCAWW 300.0A
Total Organic Carbon	1800 Q	100	mg/L	MCAWW 415.1
Total Organic Carbon	1800 Q	100	mg/L	MCAWW 415.1
HEM (Oil and Grease)	13	5.0	mg/L	CFR136A 1664A HEM
Total Organic Halogens	2100 C,Q	1500	ug/L	SW846 9020B
Total Organic Halogens	2000 C,Q	1500	ug/L	SW846 9020B

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

D4C060201

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
NEW SUMP E 03/05/04 14:40 001				
Total Organic Halogens	1900 C,Q	1500	ug/L	SW846 9020B
Total Organic Halogens	1800 C,Q	1500	ug/L	SW846 9020B
Bicarbonate Alkalinity	5400	5.0	mg/L	MCAWW 310.1
Total Alkalinity	5400 J	5.0	mg/L	MCAWW 310.1
Chemical Oxygen Demand (COD)	5100 G	320	mg/L	MCAWW 410.4
OLD SUMP E 03/05/04 16:40 002				
Cadmium	1.9 B	5.0	ug/L	SW846 6010B
Lead	23	3.0	ug/L	SW846 6010B
Arsenic	540	10	ug/L	SW846 6010B
Cobalt	64	10	ug/L	SW846 6010B
Antimony	15	10	ug/L	SW846 6010B
Selenium	28	5.0	ug/L	SW846 6010B
Boron	21000	100	ug/L	SW846 6010B
Manganese	280	10	ug/L	SW846 6010B
Sodium	3000000	5000	ug/L	SW846 6010B
Calcium	81000	200	ug/L	SW846 6010B
Magnesium	140000	200	ug/L	SW846 6010B
Iron	16000	100	ug/L	SW846 6010B
Zinc	540	20	ug/L	SW846 6010B
Chromium	300	10	ug/L	SW846 6010B
Copper	100	10	ug/L	SW846 6010B
Nickel	250	40	ug/L	SW846 6010B
Beryllium	1.4 B,J	5.0	ug/L	SW846 6010B
Barium	1000	100	ug/L	SW846 6010B
Potassium	1500000	25000	ug/L	SW846 6010B
	Qualifiers: J,L			
3-Methylphenol & 4-Methylphenol	12000	1500	ug/L	SW846 8270C
Phenol	6600	1500	ug/L	SW846 8270C
Acetone	4600	1700	ug/L	SW846 8260B
Carbon disulfide	100 J	250	ug/L	SW846 8260B
Methylene chloride	13 J,B	250	ug/L	SW846 8260B
Styrene	17 J	250	ug/L	SW846 8260B
Toluene	14 J	50	ug/L	SW846 8260B
2-Butanone (MEK)	2300	500	ug/L	SW846 8260B
Specific Conductance	25000	2.0	umhos/cm	MCAWW 120.1
Hardness, as CaCO3	740 G	62	mg/L	MCAWW 130.2

(Continued on next page)

EXECUTIVE SUMMARY - Detection Highlights

D4C060201

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
OLD SUMP E 03/05/04 16:40 002				
Total Dissolved Solids	14000 Q	100	mg/L	MCAWW 160.1
Chloride	3600 Q	300	mg/L	MCAWW 300.0A
Sulfate	4.7 B,J,G	25	mg/L	MCAWW 300.0A
Total Organic Carbon	3400 Q	100	mg/L	MCAWW 415.1
Total Organic Carbon	3500 Q	100	mg/L	MCAWW 415.1
HEM (Oil and Grease)	13	5.0	mg/L	CFR136A 1664A HEM
Total Organic Halogens	1900	2400	ug/L	SW846 9020B
	Qualifiers: B,C,Q			
Total Organic Halogens	2100	2400	ug/L	SW846 9020B
	Qualifiers: B,C,Q			
Total Organic Halogens	1800	2400	ug/L	SW846 9020B
	Qualifiers: B,C,Q			
Total Organic Halogens	1800	2400	ug/L	SW846 9020B
	Qualifiers: B,C,Q			
Bicarbonate Alkalinity	8400	5.0	mg/L	MCAWW 310.1
Total Alkalinity	8400 J	5.0	mg/L	MCAWW 310.1
Chemical Oxygen Demand (COD)	10000 G	800	mg/L	MCAWW 410.4
TRIP BLANK 03/05/04 003				
Methylene chloride	0.45 J,B	5.0	ug/L	SW846 8260B

PREPARATION METHODS SUMMARY

D4C060201

PREPARATION DESCRIPTION	PREPARATION METHOD	ANALYTICAL METHOD
Acid Digestion for Total Recoverable Metals	SW846 3005A	SW846 6010B
Bicarbonate Alkalinity	MCAWW 310.1	MCAWW 310.1
Chemical Oxygen Demand	MCAWW 410.4	MCAWW 410.4
Chloride	MCAWW 300.0A	MCAWW 300.0A
Continuous Liquid-Liquid Extraction	SW846 3520C	SW846 8270C
Distillation procedure	MCAWW 335.3	MCAWW 335.3
Distillation procedure	SM18 4500CN-E	SM18 4500-CN-I
Filterable Residue (TDS)	MCAWW 160.1	MCAWW 160.1
Fluoride	MCAWW 300.0A	MCAWW 300.0A
Mercury Sample Preparation	SW846 7470A	SW846 7470A
Potentiometric titration to preselected pH	MCAWW 310.1	MCAWW 310.1
Separatory Funnel	CFR136A 1664	CFR136A 1664A H
Specific Conductance	MCAWW 120.1	MCAWW 120.1
Sulfate	MCAWW 300.0A	MCAWW 300.0A
Sulfide, no preparation	MCAWW 376.2	MCAWW 376.2
Total Hardness	MCAWW 130.2	MCAWW 130.2
Total Organic Carbon	MCAWW 415.1	MCAWW 415.1
Total Organic Halogens	SW846 9020B	SW846 9020B
25 mL Purge-and-Trap	SW846 5030B/826	SW846 8260B

References:

CFR136A "Methods for Organic Chemical Analysis of Municipal and Industrial Wastewater", 40CFR, Part 136, Appendix A, October 26, 1984 and subsequent revisions.

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

SM18 "Standard Methods for the Examination of Water and Wastewater", 18th Edition, 1992.

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

ANALYTICAL METHODS SUMMARY

D4C060201

PARAMETER	ANALYTICAL METHOD
Alkalinity	MCAWW 310.1
Bicarbonate Alkalinity	MCAWW 310.1
Chemical Oxygen Demand	MCAWW 410.4
Chloride	MCAWW 300.0A
Filterable Residue (TDS)	MCAWW 160.1
Fluoride	MCAWW 300.0A
Free Cyanide (4500-CN-I) Free Cyanide (4500-CN-I)	SM18 4500-CN-I
Inductively Coupled Plasma (ICP) Metals	SW846 6010B
Mercury in Liquid Waste (Manual Cold-Vapor)	SW846 7470A
N-Hexane Extractable Material (1664A)	CFR136A 1664A HEM
Semivolatile Organic Compounds by GC/MS	SW846 8270C
Specific Conductance	MCAWW 120.1
Sulfate	MCAWW 300.0A
Sulfide (Colorimetric,MB)	MCAWW 376.2
Total Cyanide	MCAWW 335.3
Total Hardness (Titrimetric, EDTA)	MCAWW 130.2
Total Organic Carbon	MCAWW 415.1
Total Organic Halogens	SW846 9020B
Trace Inductively Coupled Plasma (ICP) Metals	SW846 6010B
Volatile Organics by GC/MS	SW846 8260B

References:

CFR136A "Methods for Organic Chemical Analysis of Municipal and Industrial Wastewater", 40CFR, Part 136, Appendix A, October 26, 1984 and subsequent revisions.

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

SM18 "Standard Methods for the Examination of Water and Wastewater", 18th Edition, 1992.

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

METHOD / ANALYST SUMMARY

D4C060201

ANALYTICAL METHOD	ANALYST	ANALYST ID
CFR136A 1664A HEM	Yupanqui Caldas	000999
MCAWW 120.1	Maria Fayard	002596
MCAWW 130.2	Duane Allee	001470
MCAWW 160.1	Jean Carrier	008763
MCAWW 300.0A	Andrita Scofield	004409
MCAWW 310.1	Maria Fayard	002596
MCAWW 335.3	Ewa Kudla	001167
MCAWW 376.2	Maria Fayard	002596
MCAWW 410.4	Nicole Dean	008504
MCAWW 415.1	Duane Allee	001470
SM18 4500-CN-I	Ewa Kudla	001167
SW846 6010B	Kristen Roda	005692
SW846 6010B	Kristen Roda	5692
SW846 6010B	Lynn-Anne Trudell	006645
SW846 6010B	Lynn-Anne Trudell	6645
SW846 7470A	Kacey Ono	003371
SW846 8260B	Jason Reinhardt	013454
SW846 8270C	Rwanda Todea	005716
SW846 9020B	Duane Allee	001470

References:

CFR136A "Methods for Organic Chemical Analysis of Municipal and Industrial Wastewater", 40CFR, Part 136, Appendix A, October 26, 1984 and subsequent revisions.

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

SM18 "Standard Methods for the Examination of Water and Wastewater", 18th Edition, 1992.

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

SAMPLE SUMMARY

D4C060201

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
GAR35	001	NEW SUMP E	03/05/04	14:40
GAR36	002	OLD SUMP E	03/05/04	16:40
GAR37	003	TRIP BLANK	03/05/04	

NOTE(S):

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

WASTE MANAGEMENT INC.

Client Sample ID: NEW SUMP E

GC/MS Volatiles

Lot-Sample #...: D4C060201-001 **Work Order #...:** GAR351CN **Matrix.....:** WATER
Date Sampled...: 03/05/04 14:40 **Date Received..:** 03/06/04
Prep Date.....: 03/17/04 **Analysis Date..:** 03/18/04
Prep Batch #...: 4078591 **Analysis Time..:** 03:43
Dilution Factor: 50

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	**4700**	**1700**	**ug/L**	**120**
Acrylonitrile	ND	5000	ug/L	160
Benzene	ND	50	ug/L	8.5
Bromochloromethane	ND	500	ug/L	14
Bromodichloromethane	ND	250	ug/L	10
Bromoform	ND	250	ug/L	12
Bromomethane	ND	500	ug/L	11
Carbon disulfide	ND	250	ug/L	12
Carbon tetrachloride	ND	25	ug/L	10
Chlorobenzene	ND	250	ug/L	6.5
Dibromochloromethane	ND	250	ug/L	9.5
Chloroethane	ND	500	ug/L	9.0
Chloroform	ND	250	ug/L	8.5
Chloromethane	ND	500	ug/L	46
Dibromomethane	ND	500	ug/L	16
1,2-Dichlorobenzene	ND	500	ug/L	7.5
1,4-Dichlorobenzene	ND	500	ug/L	8.0
trans-1,4-Dichloro-2-butene	ND	500	ug/L	22
Dichlorodifluoromethane	ND	500	ug/L	11
1,1-Dichloroethane	ND	250	ug/L	11
1,2-Dichloroethane	ND	250	ug/L	13
1,1-Dichloroethene	ND	50	ug/L	12
cis-1,2-Dichloroethene	ND	500	ug/L	7.0
trans-1,2-Dichloroethene	ND	500	ug/L	7.5
1,2-Dichloropropane	ND	250	ug/L	9.0
cis-1,3-Dichloropropene	ND	250	ug/L	9.5
trans-1,3-Dichloropropene	ND	250	ug/L	10
Ethylbenzene	ND	250	ug/L	6.0
Trichlorofluoromethane	ND	500	ug/L	12
2-Hexanone	ND	250	ug/L	85
Iodomethane	ND	500	ug/L	9.5
Methylene chloride	**19 J,B**	**250**	**ug/L**	**10**
4-Methyl-2-pentanone	**110 J**	**500**	**ug/L**	**49**
Styrene	**85 J**	**250**	**ug/L**	**7.0**
1,1,1,2-Tetrachloroethane	ND	250	ug/L	10
1,1,2,2-Tetrachloroethane	ND	250	ug/L	10
Tetrachloroethene	ND	250	ug/L	13

(Continued on next page)

WASTE MANAGEMENT INC.

Client Sample ID: NEW SUMP E

GC/MS Volatiles

Lot-Sample #...: D4C060201-001 **Work Order #...:** GAR351CN **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Toluene	**28 J**	**50**	**ug/L**	**7.5**
1,1,1-Trichloroethane	ND	250	ug/L	8.0
1,1,2-Trichloroethane	ND	250	ug/L	14
Trichloroethene	ND	250	ug/L	8.0
1,2,3-Trichloropropane	ND	500	ug/L	16
Vinyl acetate	ND	500	ug/L	28
Vinyl chloride	ND	50	ug/L	9.5
Xylenes (total)	ND	500	ug/L	20
1,2-Dibromo-3-chloropropane (DBCP)	ND	500	ug/L	24
1,2-Dibromoethane (EDB)	ND	50	ug/L	9.0
2-Butanone (MEK)	**3900**	**500**	**ug/L**	**100**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	94	(76 - 116)
1,2-Dichloroethane-d4	81	(59 - 129)
4-Bromofluorobenzene	97	(74 - 114)
Toluene-d8	99	(76 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

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

WASTE MANAGEMENT INC.

Client Sample ID: OLD SUMP E

GC/MS Volatiles

Lot-Sample #...: D4C060201-002 **Work Order #...:** GAR361CN **Matrix.....:** WATER
Date Sampled...: 03/05/04 16:40 **Date Received..:** 03/06/04
Prep Date.....: 03/17/04 **Analysis Date..:** 03/18/04
Prep Batch #...: 4078591 **Analysis Time..:** 04:03
Dilution Factor: 50

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	**4600**	**1700**	**ug/L**	**120**
Acrylonitrile	ND	5000	ug/L	160
Benzene	ND	50	ug/L	8.5
Bromochloromethane	ND	500	ug/L	14
Bromodichloromethane	ND	250	ug/L	10
Bromoform	ND	250	ug/L	12
Bromomethane	ND	500	ug/L	11
Carbon disulfide	**100 J**	**250**	**ug/L**	**12**
Carbon tetrachloride	ND	25	ug/L	10
Chlorobenzene	ND	250	ug/L	6.5
Dibromochloromethane	ND	250	ug/L	9.5
Chloroethane	ND	500	ug/L	9.0
Chloroform	ND	250	ug/L	8.5
Chloromethane	ND	500	ug/L	46
Dibromomethane	ND	500	ug/L	16
1,2-Dichlorobenzene	ND	500	ug/L	7.5
1,4-Dichlorobenzene	ND	500	ug/L	8.0
trans-1,4-Dichloro-2-butene	ND	500	ug/L	22
Dichlorodifluoromethane	ND	500	ug/L	11
1,1-Dichloroethane	ND	250	ug/L	11
1,2-Dichloroethane	ND	250	ug/L	13
1,1-Dichloroethene	ND	50	ug/L	12
cis-1,2-Dichloroethene	ND	500	ug/L	7.0
trans-1,2-Dichloroethene	ND	500	ug/L	7.5
1,2-Dichloropropane	ND	250	ug/L	9.0
cis-1,3-Dichloropropene	ND	250	ug/L	9.5
trans-1,3-Dichloropropene	ND	250	ug/L	10
Ethylbenzene	ND	250	ug/L	6.0
Trichlorofluoromethane	ND	500	ug/L	12
2-Hexanone	ND	250	ug/L	85
Iodomethane	ND	500	ug/L	9.5
Methylene chloride	**13 J,B**	**250**	**ug/L**	**10**
4-Methyl-2-pentanone	ND	500	ug/L	49
Styrene	**17 J**	**250**	**ug/L**	**7.0**
1,1,1,2-Tetrachloroethane	ND	250	ug/L	10
1,1,2,2-Tetrachloroethane	ND	250	ug/L	10
Tetrachloroethene	ND	250	ug/L	13

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WASTE MANAGEMENT INC.

Client Sample ID: OLD SUMP E

GC/MS Volatiles

Lot-Sample #...: D4C060201-002 **Work Order #...:** GAR361CN **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Toluene	**14 J**	**50**	**ug/L**	**7.5**
1,1,1-Trichloroethane	ND	250	ug/L	8.0
1,1,2-Trichloroethane	ND	250	ug/L	14
Trichloroethene	ND	250	ug/L	8.0
1,2,3-Trichloropropane	ND	500	ug/L	16
Vinyl acetate	ND	500	ug/L	28
Vinyl chloride	ND	50	ug/L	9.5
Xylenes (total)	ND	500	ug/L	20
1,2-Dibromo-3-chloropropane (DBCP)	ND	500	ug/L	24
1,2-Dibromoethane (EDB)	ND	50	ug/L	9.0
2-Butanone (MEK)	**2300**	**500**	**ug/L**	**100**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	87	(76 - 116)
1,2-Dichloroethane-d4	76	(59 - 129)
4-Bromofluorobenzene	87	(74 - 114)
Toluene-d8	89	(76 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

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

WASTE MANAGEMENT INC.

Client Sample ID: TRIP BLANK

GC/MS Volatiles

Lot-Sample #...: D4C060201-003 **Work Order #...:** GAR371AA **Matrix.....:** WATER
Date Sampled...: 03/05/04 **Date Received..:** 03/06/04
Prep Date.....: 03/17/04 **Analysis Date..:** 03/18/04
Prep Batch #...: 4078591 **Analysis Time..:** 03:03
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acetone	ND	34	ug/L	2.5
Acrylonitrile	ND	100	ug/L	3.1
Benzene	ND	1.0	ug/L	0.17
Bromochloromethane	ND	10	ug/L	0.27
Bromodichloromethane	ND	5.0	ug/L	0.20
Bromoform	ND	5.0	ug/L	0.23
Bromomethane	ND	10	ug/L	0.22
Carbon disulfide	ND	5.0	ug/L	0.24
Carbon tetrachloride	ND	0.50	ug/L	0.20
Chlorobenzene	ND	5.0	ug/L	0.13
Dibromochloromethane	ND	5.0	ug/L	0.19
Chloroethane	ND	10	ug/L	0.18
Chloroform	ND	5.0	ug/L	0.17
Chloromethane	ND	10	ug/L	0.91
Dibromomethane	ND	10	ug/L	0.31
1,2-Dichlorobenzene	ND	10	ug/L	0.15
1,4-Dichlorobenzene	ND	10	ug/L	0.16
trans-1,4-Dichloro-2-butene	ND	10	ug/L	0.45
Dichlorodifluoromethane	ND	10	ug/L	0.22
1,1-Dichloroethane	ND	5.0	ug/L	0.22
1,2-Dichloroethane	ND	5.0	ug/L	0.26
1,1-Dichloroethene	ND	1.0	ug/L	0.23
cis-1,2-Dichloroethene	ND	10	ug/L	0.14
trans-1,2-Dichloroethene	ND	10	ug/L	0.15
1,2-Dichloropropane	ND	5.0	ug/L	0.18
cis-1,3-Dichloropropene	ND	5.0	ug/L	0.19
trans-1,3-Dichloropropene	ND	5.0	ug/L	0.20
Ethylbenzene	ND	5.0	ug/L	0.12
Trichlorofluoromethane	ND	10	ug/L	0.24
2-Hexanone	ND	5.0	ug/L	1.7
Iodomethane	ND	10	ug/L	0.19
Methylene chloride	**0.45 J,B**	**5.0**	**ug/L**	**0.21**
4-Methyl-2-pentanone	ND	10	ug/L	0.98
Styrene	ND	5.0	ug/L	0.14
1,1,1,2-Tetrachloroethane	ND	5.0	ug/L	0.21
1,1,2,2-Tetrachloroethane	ND	5.0	ug/L	0.21
Tetrachloroethene	ND	5.0	ug/L	0.26

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WASTE MANAGEMENT INC.

Client Sample ID: TRIP BLANK

GC/MS Volatiles

Lot-Sample #...: D4C060201-003 **Work Order #...:** GAR371AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Toluene	ND	1.0	ug/L	0.15
1,1,1-Trichloroethane	ND	5.0	ug/L	0.16
1,1,2-Trichloroethane	ND	5.0	ug/L	0.27
Trichloroethene	ND	5.0	ug/L	0.16
1,2,3-Trichloropropane	ND	10	ug/L	0.33
Vinyl acetate	ND	10	ug/L	0.56
Vinyl chloride	ND	1.0	ug/L	0.19
Xylenes (total)	ND	10	ug/L	0.41
1,2-Dibromo-3-chloropropane (DBCP)	ND	10	ug/L	0.47
1,2-Dibromoethane (EDB)	ND	1.0	ug/L	0.18
2-Butanone (MEK)	ND	10	ug/L	2.0

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	92	(76 - 116)
1,2-Dichloroethane-d4	80	(59 - 129)
4-Bromofluorobenzene	91	(74 - 114)
Toluene-d8	92	(76 - 116)

NOTE(S):

J Estimated result. Result is less than RL.

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

WASTE MANAGEMENT INC.

Client Sample ID: NEW SUMP E

GC/MS Semivolatiles

Lot-Sample #...: D4C060201-001 **Work Order #...:** GAR351CD **Matrix.....:** WATER
Date Sampled...: 03/05/04 14:40 **Date Received..:** 03/06/04
Prep Date.....: 03/10/04 **Analysis Date..:** 03/16/04
Prep Batch #...: 4070306 **Analysis Time..:** 17:04
Dilution Factor: 50

Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acenaphthene	ND	500	ug/L	30
Acenaphthylene	ND	500	ug/L	30
Acetophenone	ND	500	ug/L	100
2-Acetylaminofluorene	ND	5000	ug/L	100
4-Aminobiphenyl	ND	2500	ug/L	100
Anthracene	ND	500	ug/L	150
Benzo(a)anthracene	ND	500	ug/L	40
Benzo(b)fluoranthene	ND	500	ug/L	45
Benzo(k)fluoranthene	ND	500	ug/L	100
Benzo(ghi)perylene	ND	500	ug/L	50
Benzo(a)pyrene	ND	500	ug/L	40
Benzyl alcohol	ND	500	ug/L	50
bis(2-Chloroethoxy) methane	ND	500	ug/L	45
bis(2-Chloroethyl)-ether	ND	500	ug/L	150
bis(2-Ethylhexyl) phthalate	ND	500	ug/L	45
4-Bromophenyl phenyl ether	ND	500	ug/L	35
Butyl benzyl phthalate	ND	500	ug/L	50
4-Chloroaniline	ND	500	ug/L	150
Chlorobenzilate	ND	500	ug/L	100
4-Chloro-3-methylphenol	ND	500	ug/L	40
2-Chloronaphthalene	ND	500	ug/L	35
2-Chlorophenol	ND	500	ug/L	40
4-Chlorophenyl phenyl ether	ND	500	ug/L	30
Chrysene	ND	500	ug/L	40
Diallate	ND	1000	ug/L	100
Dibenz(a,h)anthracene	ND	500	ug/L	45
Dibenzofuran	ND	500	ug/L	30
Di-n-butyl phthalate	ND	500	ug/L	40
3,3'-Dichlorobenzidine	ND	2500	ug/L	400
2,4-Dichlorophenol	ND	500	ug/L	35
2,6-Dichlorophenol	ND	500	ug/L	100
Diethyl phthalate	ND	500	ug/L	35
Dimethoate	ND	1000	ug/L	100

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WASTE MANAGEMENT INC.

Client Sample ID: NEW SUMP E

GC/MS Semivolatiles

Lot-Sample #...: D4C060201-001 **Work Order #...:** GAR351CD **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
4-Dimethylaminoazobenzene	ND	1000	ug/L	100
7,12-Dimethylbenz(a)-anthracene	ND	1000	ug/L	150
3,3'-Dimethylbenzidine	ND	1000	ug/L	200
2,4-Dimethylphenol	ND	500	ug/L	200
Dimethyl phthalate	ND	500	ug/L	40
1,3-Dinitrobenzene	ND	500	ug/L	100
4,6-Dinitro-2-methylphenol	ND	2500	ug/L	300
2,4-Dinitrophenol	ND	2500	ug/L	300
2,4-Dinitrotoluene	ND	500	ug/L	50
2,6-Dinitrotoluene	ND	500	ug/L	40
Dinoseb	ND	500	ug/L	100
Di-n-octyl phthalate	ND	500	ug/L	50
Diphenylamine	ND	500	ug/L	100
Disulfoton	ND	2500	ug/L	100
Ethyl methanesulfonate	ND	500	ug/L	100
Famphur	ND	10000	ug/L	450
Fluoranthene	ND	500	ug/L	35
Fluorene	ND	500	ug/L	30
Hexachlorobenzene	ND	500	ug/L	40
Hexachlorobutadiene	ND	500	ug/L	50
Hexachlorocyclopenta-diene	ND	2500	ug/L	250
Hexachloroethane	ND	500	ug/L	40
Hexachloropropene	ND	5000	ug/L	50
Indeno(1,2,3-cd)pyrene	ND	500	ug/L	40
Isodrin	ND	500	ug/L	250
Isophorone	ND	500	ug/L	45
Isosafrole	ND	1000	ug/L	150
Methapyrilene	ND	2500	ug/L	1000
3-Methylcholanthrene	ND	1000	ug/L	50
Methyl methanesulfonate	ND	500	ug/L	100
2-Methylnaphthalene	ND	500	ug/L	40
Methyl parathion	ND	2500	ug/L	100
2-Methylphenol	ND	500	ug/L	45
3-Methylphenol & 4-Methylphenol	**5000**	**500**	**ug/L**	**40**
Naphthalene	ND	500	ug/L	40
1,4-Naphthoquinone	ND	2500	ug/L	100
1-Naphthylamine	ND	500	ug/L	50
2-Naphthylamine	ND	500	ug/L	50
2-Nitroaniline	ND	2500	ug/L	45

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WASTE MANAGEMENT INC.

Client Sample ID: NEW SUMP E

GC/MS Semivolatiles

Lot-Sample #...: D4C060201-001 **Work Order #...:** GAR351CD **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
3-Nitroaniline	ND	2500	ug/L	45
4-Nitroaniline	ND	2500	ug/L	300
Nitrobenzene	ND	500	ug/L	100
2-Nitrophenol	ND	500	ug/L	40
4-Nitrophenol	ND	2500	ug/L	350
N-Nitrosodi-n-butylamine	ND	500	ug/L	100
N-Nitrosodiethylamine	ND	500	ug/L	100
N-Nitrosodimethylamine	ND	500	ug/L	40
N-Nitrosodiphenylamine	ND	500	ug/L	50
N-Nitrosodi-n-propyl-amine	ND	500	ug/L	35
N-Nitrosomethylethylamine	ND	500	ug/L	100
N-Nitrosopiperidine	ND	500	ug/L	100
N-Nitrosopyrrolidine	ND	500	ug/L	100
5-Nitro-o-toluidine	ND	1000	ug/L	100
2,2'-oxybis(1-Chloropropane)	ND	500	ug/L	35
Parathion	ND	2500	ug/L	100
Pentachlorobenzene	ND	500	ug/L	100
Pentachloronitrobenzene	ND	2500	ug/L	100
Pentachlorophenol	ND	2500	ug/L	250
Phenacetin	ND	1000	ug/L	100
Phenanthrene	ND	500	ug/L	35
Phenol	**2400**	**500**	**ug/L**	**45**
4-Phenylenediamine	ND	5000	ug/L	250
Phorate	ND	2500	ug/L	100
Pronamide	ND	1000	ug/L	100
Pyrene	ND	500	ug/L	40
Safrole	ND	2500	ug/L	100
1,2,4,5-Tetrachloro-benzene	ND	500	ug/L	100
2,3,4,6-Tetrachlorophenol	ND	2500	ug/L	100
Thionazin	ND	500	ug/L	100
o-Toluidine	ND	500	ug/L	100
1,2,4-Trichloro-benzene	ND	500	ug/L	45
2,4,5-Trichloro-phenol	ND	500	ug/L	50
2,4,6-Trichloro-phenol	ND	500	ug/L	40
O,O,O-Triethylphosphoro-thioate	ND	2500	ug/L	100
1,3,5-Trinitrobenzene	ND	2500	ug/L	100

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WASTE MANAGEMENT INC.

Client Sample ID: NEW SUMP E

GC/MS Semivolatiles

Lot-Sample #...: D4C060201-001 **Work Order #...:** GAR351CD **Matrix.....:** WATER

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	NC,DIL	(32 - 116)
Phenol-d5	NC,DIL	(40 - 111)
Nitrobenzene-d5	NC,DIL	(53 - 107)
2-Fluorobiphenyl	NC,DIL	(31 - 105)
2,4,6-Tribromophenol	NC,DIL	(42 - 122)
Terphenyl-d14	NC,DIL	(21 - 125)

NOTE(S):

NC The recovery and/or RPD were not calculated.

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

WASTE MANAGEMENT INC.

Client Sample ID: OLD SUMP E

GC/MS Semivolatiles

Lot-Sample #...: D4C060201-002 **Work Order #...:** GAR361CD **Matrix.....:** WATER
Date Sampled...: 03/05/04 16:40 **Date Received..:** 03/06/04
Prep Date.....: 03/10/04 **Analysis Date..:** 03/16/04
Prep Batch #...: 4070306 **Analysis Time..:** 17:30
Dilution Factor: 150

Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Acenaphthene	ND	1500	ug/L	90
Acenaphthylene	ND	1500	ug/L	90
Acetophenone	ND	1500	ug/L	300
2-Acetylaminofluorene	ND	15000	ug/L	300
4-Aminobiphenyl	ND	7500	ug/L	300
Anthracene	ND	1500	ug/L	450
Benzo(a)anthracene	ND	1500	ug/L	120
Benzo(b)fluoranthene	ND	1500	ug/L	140
Benzo(k)fluoranthene	ND	1500	ug/L	300
Benzo(ghi)perylene	ND	1500	ug/L	150
Benzo(a)pyrene	ND	1500	ug/L	120
Benzyl alcohol	ND	1500	ug/L	150
bis(2-Chloroethoxy) methane	ND	1500	ug/L	140
bis(2-Chloroethyl)-ether	ND	1500	ug/L	450
bis(2-Ethylhexyl) phthalate	ND	1500	ug/L	140
4-Bromophenyl phenyl ether	ND	1500	ug/L	100
Butyl benzyl phthalate	ND	1500	ug/L	150
4-Chloroaniline	ND	1500	ug/L	450
Chlorobenzilate	ND	1500	ug/L	300
4-Chloro-3-methylphenol	ND	1500	ug/L	120
2-Chloronaphthalene	ND	1500	ug/L	100
2-Chlorophenol	ND	1500	ug/L	120
4-Chlorophenyl phenyl ether	ND	1500	ug/L	90
Chrysene	ND	1500	ug/L	120
Diallate	ND	3000	ug/L	300
Dibenz(a,h)anthracene	ND	1500	ug/L	140
Dibenzofuran	ND	1500	ug/L	90
Di-n-butyl phthalate	ND	1500	ug/L	120
3,3'-Dichlorobenzidine	ND	7500	ug/L	1200
2,4-Dichlorophenol	ND	1500	ug/L	100
2,6-Dichlorophenol	ND	1500	ug/L	300
Diethyl phthalate	ND	1500	ug/L	100
Dimethoate	ND	3000	ug/L	300

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WASTE MANAGEMENT INC.

Client Sample ID: OLD SUMP E

GC/MS Semivolatiles

Lot-Sample #...: D4C060201-002 **Work Order #...:** GAR361CD **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
4-Dimethylaminoazobenzene	ND	3000	ug/L	300
7,12-Dimethylbenz(a)-anthracene	ND	3000	ug/L	450
3,3'-Dimethylbenzidine	ND	3000	ug/L	600
2,4-Dimethylphenol	ND	1500	ug/L	600
Dimethyl phthalate	ND	1500	ug/L	120
1,3-Dinitrobenzene	ND	1500	ug/L	300
4,6-Dinitro-2-methylphenol	ND	7500	ug/L	900
2,4-Dinitrophenol	ND	7500	ug/L	900
2,4-Dinitrotoluene	ND	1500	ug/L	150
2,6-Dinitrotoluene	ND	1500	ug/L	120
Dinoseb	ND	1500	ug/L	300
Di-n-octyl phthalate	ND	1500	ug/L	150
Diphenylamine	ND	1500	ug/L	300
Disulfoton	ND	7500	ug/L	300
Ethyl methanesulfonate	ND	1500	ug/L	300
Famphur	ND	30000	ug/L	1400
Fluoranthene	ND	1500	ug/L	100
Fluorene	ND	1500	ug/L	90
Hexachlorobenzene	ND	1500	ug/L	120
Hexachlorobutadiene	ND	1500	ug/L	150
Hexachlorocyclopenta-diene	ND	7500	ug/L	750
Hexachloroethane	ND	1500	ug/L	120
Hexachloropropene	ND	15000	ug/L	150
Indeno(1,2,3-cd)pyrene	ND	1500	ug/L	120
Isodrin	ND	1500	ug/L	750
Isophorone	ND	1500	ug/L	140
Isosafrole	ND	3000	ug/L	450
Methapyrilene	ND	7500	ug/L	3000
3-Methylcholanthrene	ND	3000	ug/L	150
Methyl methanesulfonate	ND	1500	ug/L	300
2-Methylnaphthalene	ND	1500	ug/L	120
Methyl parathion	ND	7500	ug/L	300
2-Methylphenol	ND	1500	ug/L	140
3-Methylphenol & 4-Methylphenol	**12000**	**1500**	**ug/L**	**120**
Naphthalene	ND	1500	ug/L	120
1,4-Naphthoquinone	ND	7500	ug/L	300
1-Naphthylamine	ND	1500	ug/L	150
2-Naphthylamine	ND	1500	ug/L	150
2-Nitroaniline	ND	7500	ug/L	140

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WASTE MANAGEMENT INC.

Client Sample ID: OLD SUMP E

GC/MS Semivolatiles

Lot-Sample #...: D4C060201-002 **Work Order #...:** GAR361CD **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
3-Nitroaniline	ND	7500	ug/L	140
4-Nitroaniline	ND	7500	ug/L	900
Nitrobenzene	ND	1500	ug/L	300
2-Nitrophenol	ND	1500	ug/L	120
4-Nitrophenol	ND	7500	ug/L	1000
N-Nitrosodi-n-butylamine	ND	1500	ug/L	300
N-Nitrosodiethylamine	ND	1500	ug/L	300
N-Nitrosodimethylamine	ND	1500	ug/L	120
N-Nitrosodiphenylamine	ND	1500	ug/L	150
N-Nitrosodi-n-propyl-amine	ND	1500	ug/L	100
N-Nitrosomethylethylamine	ND	1500	ug/L	300
N-Nitrosopiperidine	ND	1500	ug/L	300
N-Nitrosopyrrolidine	ND	1500	ug/L	300
5-Nitro-o-toluidine	ND	3000	ug/L	300
2,2'-oxybis(1-Chloropropane)	ND	1500	ug/L	100
Parathion	ND	7500	ug/L	300
Pentachlorobenzene	ND	1500	ug/L	300
Pentachloronitrobenzene	ND	7500	ug/L	300
Pentachlorophenol	ND	7500	ug/L	750
Phenacetin	ND	3000	ug/L	300
Phenanthrene	ND	1500	ug/L	100
Phenol	**6600**	**1500**	**ug/L**	**140**
4-Phenylenediamine	ND	15000	ug/L	750
Phorate	ND	7500	ug/L	300
Pronamide	ND	3000	ug/L	300
Pyrene	ND	1500	ug/L	120
Safrole	ND	7500	ug/L	300
1,2,4,5-Tetrachloro-benzene	ND	1500	ug/L	300
2,3,4,6-Tetrachlorophenol	ND	7500	ug/L	300
Thionazin	ND	1500	ug/L	300
o-Toluidine	ND	1500	ug/L	300
1,2,4-Trichloro-benzene	ND	1500	ug/L	140
2,4,5-Trichloro-phenol	ND	1500	ug/L	150
2,4,6-Trichloro-phenol	ND	1500	ug/L	120
O,O,O-Triethylphosphoro-thioate	ND	7500	ug/L	300
1,3,5-Trinitrobenzene	ND	7500	ug/L	300

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WASTE MANAGEMENT INC.

Client Sample ID: OLD SUMP E

GC/MS Semivolatiles

Lot-Sample #...: D4C060201-002 **Work Order #...:** GAR361CD **Matrix.....:** WATER

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	NC,DIL	(32 - 116)
Phenol-d5	NC,DIL	(40 - 111)
Nitrobenzene-d5	NC,DIL	(53 - 107)
2-Fluorobiphenyl	NC,DIL	(31 - 105)
2,4,6-Tribromophenol	NC,DIL	(42 - 122)
Terphenyl-d14	NC,DIL	(21 - 125)

NOTE(S):

NC The recovery and/or RPD were not calculated.

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

WASTE MANAGEMENT INC.

Client Sample ID: NEW SUMP E

TOTAL Metals

Lot-Sample #...: D4C060201-001 **Matrix.....:** WATER
Date Sampled...: 03/05/04 14:40 **Date Received..:** 03/06/04

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 4068267						
Mercury	ND	2.0	ug/L	SW846 7470A	03/17/04	GAR351CH
		Dilution Factor: 10		Analysis Time..: 16:32	MDL.....: 0.54	
Prep Batch #...: 4069642						
Boron	**9100**	**100**	**ug/L**	**SW846 6010B**	**03/11-03/16/04**	**GAR351AU**
		Dilution Factor: 1		Analysis Time..: 21:13	MDL.....: 8.3	
Manganese	**870**	**10**	**ug/L**	**SW846 6010B**	**03/11-03/15/04**	**GAR351AV**
		Dilution Factor: 1		Analysis Time..: 21:12	MDL.....: 0.54	
Sodium	**1900000**	**5000**	**ug/L**	**SW846 6010B**	**03/11-03/16/04**	**GAR351AW**
		Dilution Factor: 1		Analysis Time..: 06:29	MDL.....: 1100	
Calcium	**270000**	**200**	**ug/L**	**SW846 6010B**	**03/11-03/16/04**	**GAR351AX**
		Dilution Factor: 1		Analysis Time..: 06:29	MDL.....: 76	
Magnesium	**260000**	**200**	**ug/L**	**SW846 6010B**	**03/11-03/16/04**	**GAR351A0**
		Dilution Factor: 1		Analysis Time..: 06:29	MDL.....: 27	
Iron	**21000**	**100**	**ug/L**	**SW846 6010B**	**03/11-03/16/04**	**GAR351A1**
		Dilution Factor: 1		Analysis Time..: 06:29	MDL.....: 19	
Zinc	**390**	**20**	**ug/L**	**SW846 6010B**	**03/11-03/15/04**	**GAR351A2**
		Dilution Factor: 1		Analysis Time..: 21:12	MDL.....: 7.1	
Silver	ND	10	ug/L	SW846 6010B	03/11-03/15/04	GAR351A4
		Dilution Factor: 1		Analysis Time..: 21:12	MDL.....: 0.70	
Cadmium	**3.1 B**	**5.0**	**ug/L**	**SW846 6010B**	**03/11-03/15/04**	**GAR351A5**
		Dilution Factor: 1		Analysis Time..: 21:12	MDL.....: 0.27	
Chromium	**96**	**10**	**ug/L**	**SW846 6010B**	**03/11-03/15/04**	**GAR351A6**
		Dilution Factor: 1		Analysis Time..: 21:12	MDL.....: 2.1	
Copper	**39**	**10**	**ug/L**	**SW846 6010B**	**03/11-03/15/04**	**GAR351A7**
		Dilution Factor: 1		Analysis Time..: 21:12	MDL.....: 0.97	
Nickel	**240**	**40**	**ug/L**	**SW846 6010B**	**03/11-03/15/04**	**GAR351A8**
		Dilution Factor: 1		Analysis Time..: 21:12	MDL.....: 4.2	

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WASTE MANAGEMENT INC.

Client Sample ID: NEW SUMP E

TOTAL Metals

Lot-Sample #...: D4C060201-001 Matrix.....: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Lead	23	3.0	ug/L	SW846 6010B	03/11-03/15/04	GAR351A9
		Dilution Factor: 1		Analysis Time..: 21:12	MDL.....: 2.1	
Arsenic	350	10	ug/L	SW846 6010B	03/11-03/15/04	GAR351CC
		Dilution Factor: 1		Analysis Time..: 21:12	MDL.....: 4.9	
Cobalt	52	10	ug/L	SW846 6010B	03/11-03/15/04	GAR351CE
		Dilution Factor: 1		Analysis Time..: 21:12	MDL.....: 0.67	
Antimony	16	10	ug/L	SW846 6010B	03/11-03/15/04	GAR351CF
		Dilution Factor: 1		Analysis Time..: 21:12	MDL.....: 3.6	
Selenium	13	5.0	ug/L	SW846 6010B	03/11-03/15/04	GAR351CG
		Dilution Factor: 1		Analysis Time..: 21:12	MDL.....: 4.6	
Beryllium	1.9 B,J	5.0	ug/L	SW846 6010B	03/11-03/16/04	GAR351CJ
		Dilution Factor: 1		Analysis Time..: 06:29	MDL.....: 0.41	
Barium	2900	100	ug/L	SW846 6010B	03/11-03/15/04	GAR351CK
		Dilution Factor: 1		Analysis Time..: 21:12	MDL.....: 0.37	
Potassium	810000 J,L	5000	ug/L	SW846 6010B	03/11-03/16/04	GAR351CL
		Dilution Factor: 1		Analysis Time..: 06:29	MDL.....: 460	

NOTE(S):

B Estimated result. Result is less than RL.

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

L Serial dilution of a digestate in the analytical batch indicates that physical and chemical interferences are present.

WASTE MANAGEMENT INC.

Client Sample ID: OLD SUMP E

TOTAL Metals

Lot-Sample #...: D4C060201-002 **Matrix.....:** WATER
Date Sampled...: 03/05/04 16:40 **Date Received..:** 03/06/04

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 4068267						
Mercury	ND	0.20	ug/L	SW846 7470A	03/17/04	GAR361CH
		Dilution Factor: 1		Analysis Time..: 16:34	MDL.....: 0.054	
Prep Batch #...: 4069642						
Boron	**21000**	**100**	**ug/L**	**SW846 6010B**	**03/11-03/16/04**	**GAR361A6**
		Dilution Factor: 1		Analysis Time..: 21:31	MDL.....: 8.3	
Manganese	**280**	**10**	**ug/L**	**SW846 6010B**	**03/11-03/15/04**	**GAR361A7**
		Dilution Factor: 1		Analysis Time..: 21:31	MDL.....: 0.54	
Sodium	**3000000**	**5000**	**ug/L**	**SW846 6010B**	**03/11-03/16/04**	**GAR361A8**
		Dilution Factor: 1		Analysis Time..: 06:46	MDL.....: 1100	
Calcium	**81000**	**200**	**ug/L**	**SW846 6010B**	**03/11-03/16/04**	**GAR361A9**
		Dilution Factor: 1		Analysis Time..: 06:46	MDL.....: 76	
Magnesium	**140000**	**200**	**ug/L**	**SW846 6010B**	**03/11-03/16/04**	**GAR361AA**
		Dilution Factor: 1		Analysis Time..: 06:46	MDL.....: 27	
Iron	**16000**	**100**	**ug/L**	**SW846 6010B**	**03/11-03/16/04**	**GAR361AC**
		Dilution Factor: 1		Analysis Time..: 06:46	MDL.....: 19	
Zinc	**540**	**20**	**ug/L**	**SW846 6010B**	**03/11-03/15/04**	**GAR361AD**
		Dilution Factor: 1		Analysis Time..: 21:31	MDL.....: 7.1	
Silver	ND	10	ug/L	SW846 6010B	03/11-03/15/04	GAR361AF
		Dilution Factor: 1		Analysis Time..: 21:31	MDL.....: 0.70	
Cadmium	**1.9 B**	**5.0**	**ug/L**	**SW846 6010B**	**03/11-03/15/04**	**GAR361AG**
		Dilution Factor: 1		Analysis Time..: 21:31	MDL.....: 0.27	
Chromium	**300**	**10**	**ug/L**	**SW846 6010B**	**03/11-03/15/04**	**GAR361AH**
		Dilution Factor: 1		Analysis Time..: 21:31	MDL.....: 2.1	
Copper	**100**	**10**	**ug/L**	**SW846 6010B**	**03/11-03/15/04**	**GAR361AJ**
		Dilution Factor: 1		Analysis Time..: 21:31	MDL.....: 0.97	
Nickel	**250**	**40**	**ug/L**	**SW846 6010B**	**03/11-03/15/04**	**GAR361AK**
		Dilution Factor: 1		Analysis Time..: 21:31	MDL.....: 4.2	

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WASTE MANAGEMENT INC.

Client Sample ID: OLD SUMP E

TOTAL Metals

Lot-Sample #...: D4C060201-002 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Lead	**23**	**3.0**	**ug/L**	**SW846 6010B**	**03/11-03/15/04**	**GAR361AL**
		Dilution Factor: 1		Analysis Time..: 21:31	MDL.....: 2.1	
Arsenic	**540**	**10**	**ug/L**	**SW846 6010B**	**03/11-03/15/04**	**GAR361CC**
		Dilution Factor: 1		Analysis Time..: 21:31	MDL.....: 4.9	
Cobalt	**64**	**10**	**ug/L**	**SW846 6010B**	**03/11-03/15/04**	**GAR361CE**
		Dilution Factor: 1		Analysis Time..: 21:31	MDL.....: 0.67	
Antimony	**15**	**10**	**ug/L**	**SW846 6010B**	**03/11-03/15/04**	**GAR361CF**
		Dilution Factor: 1		Analysis Time..: 21:31	MDL.....: 3.6	
Selenium	**28**	**5.0**	**ug/L**	**SW846 6010B**	**03/11-03/15/04**	**GAR361CG**
		Dilution Factor: 1		Analysis Time..: 21:31	MDL.....: 4.6	
Beryllium	**1.4 B,J**	**5.0**	**ug/L**	**SW846 6010B**	**03/11-03/16/04**	**GAR361CJ**
		Dilution Factor: 1		Analysis Time..: 06:46	MDL.....: 0.41	
Barium	**1000**	**100**	**ug/L**	**SW846 6010B**	**03/11-03/15/04**	**GAR361CK**
		Dilution Factor: 1		Analysis Time..: 21:31	MDL.....: 0.37	
Potassium	**1500000 J,L**	**25000**	**ug/L**	**SW846 6010B**	**03/11-03/17/04**	**GAR361CL**
		Dilution Factor: 5		Analysis Time..: 12:16	MDL.....: 2300	

NOTE(S):

B Estimated result. Result is less than RL.

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

L Serial dilution of a digestate in the analytical batch indicates that physical and chemical interferences are present.

WASTE MANAGEMENT INC.

Client Sample ID: NEW SUMP E

General Chemistry

Lot-Sample #...: D4C060201-001 **Work Order #...:** GAR35 **Matrix.....:** WATER
Date Sampled...: 03/05/04 14:40 **Date Received..:** 03/06/04

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Bicarbonate Alkalinity	**5400**	**5.0**	**mg/L**	**MCAWW 310.1**	**03/15/04**	**4075628**
		Dilution Factor: 1		Analysis Time..: 16:30	MDL.....: 1.5	
Chemical Oxygen Demand (COD)	**5100 G**	**320**	**mg/L**	**MCAWW 410.4**	**03/16/04**	**4076253**
		Dilution Factor: 40		Analysis Time..: 09:00	MDL.....: 120	
Chloride	**3000 Q**	**300**	**mg/L**	**MCAWW 300.0A**	**03/08-03/09/04**	**4069338**
		Dilution Factor: 100		Analysis Time..: 00:01	MDL.....: 20	
Fluoride	ND G	5.0	mg/L	MCAWW 300.0A	03/08/04	4069340
		Dilution Factor: 5		Analysis Time..: 22:27	MDL.....: 0.50	
Free Cyanide (4500-CN-I)	ND	0.010	mg/L	SM18 4500-CN-I	03/16/04	4077305
		Dilution Factor: 1		Analysis Time..: 15:00	MDL.....: 0.0039	
Hardness, as CaCO3	**1800 Q**	**62**	**mg/L**	**MCAWW 130.2**	**03/16/04**	**4076519**
		Dilution Factor: 12.5		Analysis Time..: 12:00	MDL.....: 25	
HEM (Oil and Grease)	**13**	**5.0**	**mg/L**	**CFR136A 1664A HEM**	**03/18-03/19/04**	**4079435**
		Dilution Factor: 1		Analysis Time..: 21:00	MDL.....: 1.0	
Specific Conductance	**18000**	**2.0**	**umhos/cm**	**MCAWW 120.1**	**03/15/04**	**4075639**
		Dilution Factor: 1		Analysis Time..: 15:00	MDL.....:	
Sulfate	**3.8 B,J,G**	**25**	**mg/L**	**MCAWW 300.0A**	**03/08/04**	**4069339**
		Dilution Factor: 5		Analysis Time..: 22:27	MDL.....: 1.0	
Total Alkalinity	**5400 J**	**5.0**	**mg/L**	**MCAWW 310.1**	**03/15/04**	**4075627**
		Dilution Factor: 1		Analysis Time..: 16:30	MDL.....: 1.5	
Total Cyanide	ND	0.010	mg/L	MCAWW 335.3	03/15-03/16/04	4075589
		Dilution Factor: 1		Analysis Time..: 14:00	MDL.....: 0.0039	
Total Dissolved Solids	**10000 Q**	**50**	**mg/L**	**MCAWW 160.1**	**03/11/04**	**4071431**
		Dilution Factor: 5		Analysis Time..: 14:00	MDL.....: 15	

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WASTE MANAGEMENT INC.

Client Sample ID: NEW SUMP E

General Chemistry

Lot-Sample #...: D4C060201-001 **Work Order #...:** GAR35 **Matrix.....:** WATER

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon	**1800 Q**	**100**	**mg/L**	**MCAWW 415.1**	**03/15/04**	**4076452**
		Dilution Factor: 100		Analysis Time..: 17:00	MDL.....: 50	
Total Organic Carbon 2	**1800 Q**	**100**	**mg/L**	**MCAWW 415.1**	**03/15/04**	**4076452**
		Dilution Factor: 100		Analysis Time..: 17:00	MDL.....: 50	
Total Organic Halogens	**2100 C,Q**	**1500**	**ug/L**	**SW846 9020B**	**03/24/04**	**4085458**
		Dilution Factor: 50		Analysis Time..: 12:00	MDL.....: 240	
Total Organic Halogens 2	**2000 C,Q**	**1500**	**ug/L**	**SW846 9020B**	**03/24/04**	**4085458**
		Dilution Factor: 50		Analysis Time..: 12:00	MDL.....: 240	
Total Organic Halogens 3	**1900 C,Q**	**1500**	**ug/L**	**SW846 9020B**	**03/24/04**	**4085458**
		Dilution Factor: 50		Analysis Time..: 12:00	MDL.....: 240	
Total Organic Halogens 4	**1800 C,Q**	**1500**	**ug/L**	**SW846 9020B**	**03/24/04**	**4085458**
		Dilution Factor: 50		Analysis Time..: 12:00	MDL.....: 240	
Total Sulfide	ND G	0.50	mg/L	MCAWW 376.2	03/08/04	4068647
		Dilution Factor: 10		Analysis Time..: 16:30	MDL.....: 0.017	

NOTE(S):

RL Reporting Limit

G Elevated reporting limit. The reporting limit is elevated due to matrix interference.

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

B Estimated result. Result is less than RL.

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

C TOX exhibited carryover.

WASTE MANAGEMENT INC.

Client Sample ID: OLD SUMP E

General Chemistry

Lot-Sample #...: D4C060201-002 **Work Order #...:** GAR36 **Matrix.....:** WATER
Date Sampled...: 03/05/04 16:40 **Date Received..:** 03/06/04

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Bicarbonate Alkalinity	**8400**	**5.0**	**mg/L**	**MCAWW 310.1**	**03/15/04**	**4075628**
	Dilution Factor: 1			Analysis Time..: 16:30	MDL.....: 1.5	
Chemical Oxygen Demand (COD)	**10000 G**	**800**	**mg/L**	**MCAWW 410.4**	**03/16/04**	**4076253**
	Dilution Factor: 100			Analysis Time..: 09:00	MDL.....: 290	
Chloride	**3600 Q**	**300**	**mg/L**	**MCAWW 300.0A**	**03/08-03/09/04**	**4069338**
	Dilution Factor: 100			Analysis Time..: 01:50	MDL.....: 20	
Fluoride	ND G	5.0	mg/L	MCAWW 300.0A	03/08-03/09/04	4069340
	Dilution Factor: 5			Analysis Time..: 01:19	MDL.....: 0.50	
Free Cyanide (4500-CN-I)	ND	0.010	mg/L	SM18 4500-CN-I	03/16/04	4077305
	Dilution Factor: 1			Analysis Time..: 15:00	MDL.....: 0.0039	
Hardness, as CaCO3	**740 G**	**62**	**mg/L**	**MCAWW 130.2**	**03/16/04**	**4076519**
	Dilution Factor: 12.5			Analysis Time..: 12:00	MDL.....: 25	
HEM (Oil and Grease)	**13**	**5.0**	**mg/L**	**CFR136A 1664A HEM**	**03/18-03/19/04**	**4079435**
	Dilution Factor: 1			Analysis Time..: 21:00	MDL.....: 1.0	
Specific Conductance	**25000**	**2.0**	**umhos/cm**	**MCAWW 120.1**	**03/15/04**	**4075639**
	Dilution Factor: 1			Analysis Time..: 15:00	MDL.....:	
Sulfate	**4.7 B,J,G**	**25**	**mg/L**	**MCAWW 300.0A**	**03/08-03/09/04**	**4069339**
	Dilution Factor: 5			Analysis Time..: 01:19	MDL.....: 1.0	
Total Alkalinity	**8400 J**	**5.0**	**mg/L**	**MCAWW 310.1**	**03/15/04**	**4075627**
	Dilution Factor: 1			Analysis Time..: 16:30	MDL.....: 1.5	
Total Cyanide	ND	0.010	mg/L	MCAWW 335.3	03/15-03/16/04	4075589
	Dilution Factor: 1			Analysis Time..: 14:00	MDL.....: 0.0039	
Total Dissolved Solids	**14000 Q**	**100**	**mg/L**	**MCAWW 160.1**	**03/11/04**	**4071431**
	Dilution Factor: 10			Analysis Time..: 14:00	MDL.....: 30	

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WASTE MANAGEMENT INC.

Client Sample ID: OLD SUMP E

General Chemistry

Lot-Sample #...: D4C060201-002 **Work Order #...:** GAR36 **Matrix.....:** WATER

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Carbon	**3400 Q**	**100**	**mg/L**	**MCAWW 415.1**	**03/15/04**	**4076452**
		Dilution Factor: 100		Analysis Time..: 17:00	MDL.....: 50	
Total Organic Carbon 2	**3500 Q**	**100**	**mg/L**	**MCAWW 415.1**	**03/15/04**	**4076452**
		Dilution Factor: 100		Analysis Time..: 17:00	MDL.....: 50	
Total Organic Halogens	**1900 B,C,Q**	**2400**	**ug/L**	**SW846 9020B**	**03/24/04**	**4085458**
		Dilution Factor: 80		Analysis Time..: 12:00	MDL.....: 380	
Total Organic Halogens 2	**2100 B,C,Q**	**2400**	**ug/L**	**SW846 9020B**	**03/24/04**	**4085458**
		Dilution Factor: 80		Analysis Time..: 12:00	MDL.....: 380	
Total Organic Halogens 3	**1800 B,C,Q**	**2400**	**ug/L**	**SW846 9020B**	**03/24/04**	**4085458**
		Dilution Factor: 80		Analysis Time..: 12:00	MDL.....: 380	
Total Organic Halogens 4	**1800 B,C,Q**	**2400**	**ug/L**	**SW846 9020B**	**03/24/04**	**4085458**
		Dilution Factor: 80		Analysis Time..: 12:00	MDL.....: 380	
Total Sulfide	ND G	0.50	mg/L	MCAWW 376.2	03/08/04	4068647
		Dilution Factor: 10		Analysis Time..: 16:30	MDL.....: 0.017	

NOTE(S):

RL Reporting Limit

G Elevated reporting limit. The reporting limit is elevated due to matrix interference.

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

B Estimated result. Result is less than RL.

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

C TOX exhibited carryover.

QC DATA ASSOCIATION SUMMARY

D4C060201

Sample Preparation and Analysis Control Numbers

SAMPLE#	MATRIX	ANALYTICAL METHOD	LEACH BATCH #	PREP BATCH #	MS RUN#
001	WATER	MCAWW 120.1		4075639	4075323
	WATER	MCAWW 130.2		4076519	4077180
	WATER	MCAWW 160.1		4071431	4076067
	WATER	MCAWW 300.0A		4069338	4069297
	WATER	MCAWW 300.0A		4069339	4069305
	WATER	MCAWW 300.0A		4069340	4069294
	WATER	MCAWW 415.1		4076452	4076230
	WATER	SM18 4500-CN-I		4077305	4077141
	WATER	CFR136A 1664A HEM		4079435	
	WATER	SW846 9020B		4085458	4085209
	WATER	SW846 7470A		4068267	4068164
	WATER	SW846 8260B		4078591	4078277
	WATER	SW846 8270C		4070306	
	WATER	SW846 6010B		4069642	4069366
	WATER	MCAWW 376.2		4068647	4069163
	WATER	MCAWW 310.1		4075628	
	WATER	MCAWW 310.1		4075627	4076047
	WATER	MCAWW 335.3		4075589	4075302
	WATER	MCAWW 410.4		4076253	4076116
002	WATER	MCAWW 120.1		4075639	4075323
	WATER	MCAWW 130.2		4076519	4077180
	WATER	MCAWW 160.1		4071431	4076067
	WATER	MCAWW 300.0A		4069338	4069297
	WATER	MCAWW 300.0A		4069339	4069305
	WATER	MCAWW 300.0A		4069340	4069294
	WATER	MCAWW 415.1		4076452	4076230
	WATER	SM18 4500-CN-I		4077305	4077141
	WATER	CFR136A 1664A HEM		4079435	
	WATER	SW846 9020B		4085458	4085209
	WATER	SW846 7470A		4068267	4068164
	WATER	SW846 8260B		4078591	4078277
	WATER	SW846 8270C		4070306	
	WATER	SW846 6010B		4069642	4069366
	WATER	MCAWW 376.2		4068647	4069163
	WATER	MCAWW 310.1		4075628	
	WATER	MCAWW 310.1		4075627	4076047
	WATER	MCAWW 335.3		4075589	4075302
	WATER	MCAWW 410.4		4076253	4076116
003	WATER	SW846 8260B		4078591	4078277

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: D4C060201 **Work Order #...:** GCH641AA **Matrix.....:** WATER
MB Lot-Sample #: D4C180000-591

Prep Date.....: 03/17/04 **Analysis Time..:** 19:58
Analysis Date..: 03/17/04 **Prep Batch #...:** 4078591
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Acetone	ND	34	ug/L	SW846 8260B
Acrylonitrile	ND	100	ug/L	SW846 8260B
Benzene	ND	1.0	ug/L	SW846 8260B
Bromochloromethane	ND	10	ug/L	SW846 8260B
Bromodichloromethane	ND	5.0	ug/L	SW846 8260B
Bromoform	ND	5.0	ug/L	SW846 8260B
Bromomethane	ND	10	ug/L	SW846 8260B
Carbon disulfide	ND	5.0	ug/L	SW846 8260B
Carbon tetrachloride	ND	0.50	ug/L	SW846 8260B
Chlorobenzene	ND	5.0	ug/L	SW846 8260B
Dibromochloromethane	ND	5.0	ug/L	SW846 8260B
Chloroethane	ND	10	ug/L	SW846 8260B
Chloroform	ND	5.0	ug/L	SW846 8260B
Chloromethane	ND	10	ug/L	SW846 8260B
Dibromomethane	ND	10	ug/L	SW846 8260B
1,2-Dichlorobenzene	ND	10	ug/L	SW846 8260B
1,4-Dichlorobenzene	ND	10	ug/L	SW846 8260B
trans-1,4-Dichloro-2-butene	ND	10	ug/L	SW846 8260B
1,1-Dichloroethane	ND	5.0	ug/L	SW846 8260B
1,2-Dichloroethane	ND	5.0	ug/L	SW846 8260B
1,1-Dichloroethene	ND	1.0	ug/L	SW846 8260B
cis-1,2-Dichloroethene	ND	10	ug/L	SW846 8260B
trans-1,2-Dichloroethene	ND	10	ug/L	SW846 8260B
1,2-Dichloropropane	ND	5.0	ug/L	SW846 8260B
cis-1,3-Dichloropropene	ND	5.0	ug/L	SW846 8260B
trans-1,3-Dichloropropene	ND	5.0	ug/L	SW846 8260B
Ethylbenzene	ND	5.0	ug/L	SW846 8260B
Trichlorofluoromethane	ND	10	ug/L	SW846 8260B
2-Hexanone	ND	5.0	ug/L	SW846 8260B
Iodomethane	ND	10	ug/L	SW846 8260B
Methylene chloride	**0.58 J**	**5.0**	**ug/L**	**SW846 8260B**
4-Methyl-2-pentanone	ND	10	ug/L	SW846 8260B
Styrene	ND	5.0	ug/L	SW846 8260B
1,1,1,2-Tetrachloroethane	ND	5.0	ug/L	SW846 8260B
1,1,2,2-Tetrachloroethane	ND	5.0	ug/L	SW846 8260B
Tetrachloroethene	ND	5.0	ug/L	SW846 8260B
Toluene	ND	1.0	ug/L	SW846 8260B
1,1,1-Trichloroethane	ND	5.0	ug/L	SW846 8260B
1,1,2-Trichloroethane	ND	5.0	ug/L	SW846 8260B
Trichloroethene	ND	5.0	ug/L	SW846 8260B

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METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: D4C060201 **Work Order #...:** GCH641AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
1,2,3-Trichloropropane	ND	10	ug/L	SW846 8260B
Vinyl acetate	ND	10	ug/L	SW846 8260B
Vinyl chloride	ND	1.0	ug/L	SW846 8260B
Xylenes (total)	ND	10	ug/L	SW846 8260B
1,2-Dibromo-3-chloropropane (DBCP)	ND	10	ug/L	SW846 8260B
1,2-Dibromoethane (EDB)	ND	1.0	ug/L	SW846 8260B
2-Butanone (MEK)	ND	10	ug/L	SW846 8260B
Dichlorodifluoromethane	ND	10	ug/L	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	98	(76 - 116)
1,2-Dichloroethane-d4	87	(59 - 129)
4-Bromofluorobenzene	101	(74 - 114)
Toluene-d8	99	(76 - 116)

NOTE(S):

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

J Estimated result. Result is less than RL.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: D4C060201 **Work Order #...:** GCH641AC **Matrix.....:** WATER
LCS Lot-Sample#: D4C180000-591
Prep Date.....: 03/17/04 **Analysis Date..:** 03/17/04
Prep Batch #...: 4078591 **Analysis Time..:** 19:38
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
1,1-Dichloroethene	**81**	**(67 - 125)**	**SW846 8260B**
Benzene	**103**	**(75 - 116)**	**SW846 8260B**
Chlorobenzene	**112**	**(77 - 117)**	**SW846 8260B**
Toluene	**105**	**(74 - 115)**	**SW846 8260B**
Trichloroethene	**116**	**(80 - 123)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	98	(76 - 116)
1,2-Dichloroethane-d4	87	(59 - 129)
4-Bromofluorobenzene	100	(74 - 114)
Toluene-d8	101	(76 - 116)

NOTE(S):

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

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: D4C060201 **Work Order #...:** GCH641AC **Matrix.....:** WATER
LCS Lot-Sample#: D4C180000-591
Prep Date.....: 03/17/04 **Analysis Date..:** 03/17/04
Prep Batch #...: 4078591 **Analysis Time..:** 19:38
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
1,1-Dichloroethene	**10.0**	**8.13**	**ug/L**	**81**	**SW846 8260B**
Benzene	**10.0**	**10.3**	**ug/L**	**103**	**SW846 8260B**
Chlorobenzene	**10.0**	**11.2**	**ug/L**	**112**	**SW846 8260B**
Toluene	**10.0**	**10.5**	**ug/L**	**105**	**SW846 8260B**
Trichloroethene	**10.0**	**11.6**	**ug/L**	**116**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	98	(76 - 116)
1,2-Dichloroethane-d4	87	(59 - 129)
4-Bromofluorobenzene	100	(74 - 114)
Toluene-d8	101	(76 - 116)

NOTE(S):

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

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: D4C060201 **Work Order #...:** GA3N61A9-MS **Matrix.....:** WATER
MS Lot-Sample #: D4C110197-002 GA3N61CA-MSD
Date Sampled...: 03/10/04 08:00 **Date Received..:** 03/11/04
Prep Date.....: 03/17/04 **Analysis Date..:** 03/17/04
Prep Batch #...: 4078591 **Analysis Time..:** 22:26
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
1,1-Dichloroethene	**82**	**(67 - 125)**			**SW846 8260B**
	79	**(67 - 125)**	**4.4**	**(0-20)**	**SW846 8260B**
Benzene	**98**	**(75 - 116)**			**SW846 8260B**
	95	**(75 - 116)**	**2.6**	**(0-20)**	**SW846 8260B**
Chlorobenzene	**105**	**(77 - 117)**			**SW846 8260B**
	102	**(77 - 117)**	**2.8**	**(0-20)**	**SW846 8260B**
Toluene	**100**	**(74 - 115)**			**SW846 8260B**
	97	**(74 - 115)**	**3.4**	**(0-20)**	**SW846 8260B**
Trichloroethene	**111**	**(80 - 123)**			**SW846 8260B**
	107	**(80 - 123)**	**3.5**	**(0-20)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	92	(76 - 116)
	88	(76 - 116)
1,2-Dichloroethane-d4	81	(59 - 129)
	77	(59 - 129)
4-Bromofluorobenzene	94	(74 - 114)
	87	(74 - 114)
Toluene-d8	97	(76 - 116)
	92	(76 - 116)

NOTE(S):

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

Bold print denotes control parameters

MATRIX SPIKE SAMPLE DATA REPORT

GC/MS Volatiles

Client Lot #...: D4C060201 **Work Order #...:** GA3N61A9-MS **Matrix.....:** WATER
MS Lot-Sample #: D4C110197-002 GA3N61CA-MSD
Date Sampled...: 03/10/04 08:00 **Date Received..:** 03/11/04
Prep Date.....: 03/17/04 **Analysis Date..:** 03/17/04
Prep Batch #...: 4078591 **Analysis Time..:** 22:26
Dilution Factor: 1

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD
1,1-Dichloroethene	**ND**	**10.0**	**8.24**	**ug/L**	**82**		**SW846 8260B**
	ND	**10.0**	**7.89**	**ug/L**	**79**	**4.4**	**SW846 8260B**
Benzene	**ND**	**10.0**	**9.78**	**ug/L**	**98**		**SW846 8260B**
	ND	**10.0**	**9.53**	**ug/L**	**95**	**2.6**	**SW846 8260B**
Chlorobenzene	**ND**	**10.0**	**10.5**	**ug/L**	**105**		**SW846 8260B**
	ND	**10.0**	**10.2**	**ug/L**	**102**	**2.8**	**SW846 8260B**
Toluene	**ND**	**10.0**	**10.0**	**ug/L**	**100**		**SW846 8260B**
	ND	**10.0**	**9.70**	**ug/L**	**97**	**3.4**	**SW846 8260B**
Trichloroethene	**ND**	**10.0**	**11.1**	**ug/L**	**111**		**SW846 8260B**
	ND	**10.0**	**10.7**	**ug/L**	**107**	**3.5**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	92	(76 - 116)
	88	(76 - 116)
1,2-Dichloroethane-d4	81	(59 - 129)
	77	(59 - 129)
4-Bromofluorobenzene	94	(74 - 114)
	87	(74 - 114)
Toluene-d8	97	(76 - 116)
	92	(76 - 116)

NOTE(S):

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

Bold print denotes control parameters

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: D4C060201 **Work Order #...:** GA0501AA **Matrix.....:** WATER
MB Lot-Sample #: D4C100000-306

Prep Date.....: 03/10/04 **Analysis Time..:** 12:59
Analysis Date..: 03/16/04 **Prep Batch #...:** 4070306
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Acenaphthene	ND	10	ug/L	SW846 8270C
Acenaphthylene	ND	10	ug/L	SW846 8270C
Acetophenone	ND	10	ug/L	SW846 8270C
2-Acetylaminofluorene	ND	100	ug/L	SW846 8270C
4-Aminobiphenyl	ND	50	ug/L	SW846 8270C
Anthracene	ND	10	ug/L	SW846 8270C
Benzo(a)anthracene	ND	10	ug/L	SW846 8270C
Benzo(b)fluoranthene	ND	10	ug/L	SW846 8270C
Benzo(k)fluoranthene	ND	10	ug/L	SW846 8270C
Benzo(ghi)perylene	ND	10	ug/L	SW846 8270C
Benzo(a)pyrene	ND	10	ug/L	SW846 8270C
Benzyl alcohol	ND	10	ug/L	SW846 8270C
bis(2-Chloroethoxy) methane	ND	10	ug/L	SW846 8270C
bis(2-Chloroethyl)-ether	ND	10	ug/L	SW846 8270C
bis(2-Ethylhexyl) phthalate	ND	10	ug/L	SW846 8270C
4-Bromophenyl phenyl ether	ND	10	ug/L	SW846 8270C
Butyl benzyl phthalate	ND	10	ug/L	SW846 8270C
4-Chloroaniline	ND	10	ug/L	SW846 8270C
Chlorobenzilate	ND	10	ug/L	SW846 8270C
4-Chloro-3-methylphenol	ND	10	ug/L	SW846 8270C
2-Chloronaphthalene	ND	10	ug/L	SW846 8270C
2-Chlorophenol	ND	10	ug/L	SW846 8270C
4-Chlorophenyl phenyl ether	ND	10	ug/L	SW846 8270C
Chrysene	ND	10	ug/L	SW846 8270C
Diallate	ND	20	ug/L	SW846 8270C
Dibenz(a,h)anthracene	ND	10	ug/L	SW846 8270C
Dibenzofuran	ND	10	ug/L	SW846 8270C
Di-n-butyl phthalate	ND	10	ug/L	SW846 8270C
3,3'-Dichlorobenzidine	ND	50	ug/L	SW846 8270C
2,4-Dichlorophenol	ND	10	ug/L	SW846 8270C
2,6-Dichlorophenol	ND	10	ug/L	SW846 8270C
Diethyl phthalate	ND	10	ug/L	SW846 8270C
Dimethoate	ND	20	ug/L	SW846 8270C
4-Dimethylaminoazobenzene	ND	20	ug/L	SW846 8270C
7,12-Dimethylbenz(a)-anthracene	ND	20	ug/L	SW846 8270C

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METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: D4C060201 **Work Order #...:** GA0501AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
3,3'-Dimethylbenzidine	ND	20	ug/L	SW846 8270C
2,4-Dimethylphenol	ND	10	ug/L	SW846 8270C
Dimethyl phthalate	ND	10	ug/L	SW846 8270C
1,3-Dinitrobenzene	ND	10	ug/L	SW846 8270C
4,6-Dinitro-2-methylphenol	ND	50	ug/L	SW846 8270C
2,4-Dinitrophenol	ND	50	ug/L	SW846 8270C
2,4-Dinitrotoluene	ND	10	ug/L	SW846 8270C
2,6-Dinitrotoluene	ND	10	ug/L	SW846 8270C
Dinoseb	ND	10	ug/L	SW846 8270C
Di-n-octyl phthalate	ND	10	ug/L	SW846 8270C
Diphenylamine	ND	10	ug/L	SW846 8270C
Disulfoton	ND	50	ug/L	SW846 8270C
Ethyl methanesulfonate	ND	10	ug/L	SW846 8270C
Famphur	ND	200	ug/L	SW846 8270C
Fluoranthene	ND	10	ug/L	SW846 8270C
Fluorene	ND	10	ug/L	SW846 8270C
Hexachlorobenzene	ND	10	ug/L	SW846 8270C
Hexachlorobutadiene	ND	10	ug/L	SW846 8270C
Hexachlorocyclopentadiene	ND	50	ug/L	SW846 8270C
Hexachloroethane	ND	10	ug/L	SW846 8270C
Hexachloropropene	ND	100	ug/L	SW846 8270C
Indeno(1,2,3-cd)pyrene	ND	10	ug/L	SW846 8270C
Isodrin	ND	10	ug/L	SW846 8270C
Isophorone	ND	10	ug/L	SW846 8270C
Isosafrole	ND	20	ug/L	SW846 8270C
Methapyrilene	ND	50	ug/L	SW846 8270C
3-Methylcholanthrene	ND	20	ug/L	SW846 8270C
Methyl methanesulfonate	ND	10	ug/L	SW846 8270C
2-Methylnaphthalene	ND	10	ug/L	SW846 8270C
Methyl parathion	ND	50	ug/L	SW846 8270C
2-Methylphenol	ND	10	ug/L	SW846 8270C
3-Methylphenol & 4-Methylphenol	ND	10	ug/L	SW846 8270C
Naphthalene	ND	10	ug/L	SW846 8270C
1,4-Naphthoquinone	ND	50	ug/L	SW846 8270C
1-Naphthylamine	ND	10	ug/L	SW846 8270C
2-Naphthylamine	ND	10	ug/L	SW846 8270C
2-Nitroaniline	ND	50	ug/L	SW846 8270C
3-Nitroaniline	ND	50	ug/L	SW846 8270C
4-Nitroaniline	ND	50	ug/L	SW846 8270C
Nitrobenzene	ND	10	ug/L	SW846 8270C
2-Nitrophenol	ND	10	ug/L	SW846 8270C
4-Nitrophenol	ND	50	ug/L	SW846 8270C

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METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: D4C060201 **Work Order #...:** GA0501AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
N-Nitrosodi-n-butylamine	ND	10	ug/L	SW846 8270C
N-Nitrosodiethylamine	ND	10	ug/L	SW846 8270C
N-Nitrosodimethylamine	ND	10	ug/L	SW846 8270C
N-Nitrosodiphenylamine	ND	10	ug/L	SW846 8270C
N-Nitrosodi-n-propyl-amine	ND	10	ug/L	SW846 8270C
N-Nitrosomethylethylamine	ND	10	ug/L	SW846 8270C
N-Nitrosopiperidine	ND	10	ug/L	SW846 8270C
N-Nitrosopyrrolidine	ND	10	ug/L	SW846 8270C
5-Nitro-o-toluidine	ND	20	ug/L	SW846 8270C
2,2'-oxybis(1-Chloropropa	ND	10	ug/L	SW846 8270C
Parathion	ND	50	ug/L	SW846 8270C
Pentachlorobenzene	ND	10	ug/L	SW846 8270C
Pentachloronitrobenzene	ND	50	ug/L	SW846 8270C
Pentachlorophenol	ND	50	ug/L	SW846 8270C
Phenacetin	ND	20	ug/L	SW846 8270C
Phenanthrene	ND	10	ug/L	SW846 8270C
Phenol	ND	10	ug/L	SW846 8270C
4-Phenylenediamine	ND	100	ug/L	SW846 8270C
Phorate	ND	50	ug/L	SW846 8270C
Pronamide	ND	20	ug/L	SW846 8270C
Pyrene	ND	10	ug/L	SW846 8270C
Safrole	ND	50	ug/L	SW846 8270C
1,2,4,5-Tetrachloro-benzene	ND	10	ug/L	SW846 8270C
2,3,4,6-Tetrachlorophenol	ND	50	ug/L	SW846 8270C
Thionazin	ND	10	ug/L	SW846 8270C
o-Toluidine	ND	10	ug/L	SW846 8270C
1,2,4-Trichloro-benzene	ND	10	ug/L	SW846 8270C
2,4,5-Trichloro-phenol	ND	10	ug/L	SW846 8270C
2,4,6-Trichloro-phenol	ND	10	ug/L	SW846 8270C
O,O,O-Triethylphosphoro-thioate	ND	50	ug/L	SW846 8270C
1,3,5-Trinitrobenzene	ND	50	ug/L	SW846 8270C

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	73	(32 - 116)
Phenol-d5	75	(40 - 111)
Nitrobenzene-d5	73	(53 - 107)
2-Fluorobiphenyl	56	(31 - 105)
2,4,6-Tribromophenol	87	(42 - 122)

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METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: D4C060201 **Work Order #...:** GA0501AA **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Terphenyl-d14	72	(21 - 125)		

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: D4C060201 **Work Order #...:** GA0501AC **Matrix.....:** WATER
LCS Lot-Sample#: D4C100000-306
Prep Date.....: 03/10/04 **Analysis Date..:** 03/16/04
Prep Batch #...: 4070306 **Analysis Time..:** 13:25
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Acenaphthene	**70**	**(55 - 97)**	**SW846 8270C**
1,4-Dichlorobenzene	**65**	**(31 - 98)**	**SW846 8270C**
4-Chloro-3-methylphenol	**76**	**(59 - 106)**	**SW846 8270C**
2-Chlorophenol	**73**	**(59 - 105)**	**SW846 8270C**
2,4-Dinitrotoluene	**76**	**(57 - 113)**	**SW846 8270C**
4-Nitrophenol	**76**	**(43 - 118)**	**SW846 8270C**
N-Nitrosodi-n-propyl-amine	**71**	**(51 - 99)**	**SW846 8270C**
Pentachlorophenol	**78**	**(48 - 114)**	**SW846 8270C**
Phenol	**70**	**(56 - 106)**	**SW846 8270C**
Pyrene	**66**	**(51 - 103)**	**SW846 8270C**
1,2,4-Trichloro-benzene	**68**	**(36 - 99)**	**SW846 8270C**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	67	(54 - 105)
Phenol-d5	70	(55 - 106)
Nitrobenzene-d5	67	(58 - 108)
2-Fluorobiphenyl	49 *	(53 - 97)
2,4,6-Tribromophenol	86	(62 - 113)
Terphenyl-d14	70	(55 - 109)

NOTE(S):

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

Bold print denotes control parameters

* Surrogate recovery is outside stated control limits.

LABORATORY CONTROL SAMPLE DATA REPORT

GC/MS Semivolatiles

Client Lot #...: D4C060201 **Work Order #...:** GA0501AC **Matrix.....:** WATER
LCS Lot-Sample#: D4C100000-306
Prep Date.....: 03/10/04 **Analysis Date..:** 03/16/04
Prep Batch #...: 4070306 **Analysis Time..:** 13:25
Dilution Factor: 1

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCENT RECOVERY	METHOD
Acenaphthene	**100**	**70.1**	**ug/L**	**70**	**SW846 8270C**
1,4-Dichlorobenzene	**100**	**65.0**	**ug/L**	**65**	**SW846 8270C**
4-Chloro-3-methylphenol	**150**	**114**	**ug/L**	**76**	**SW846 8270C**
2-Chlorophenol	**150**	**109**	**ug/L**	**73**	**SW846 8270C**
2,4-Dinitrotoluene	**100**	**76.0**	**ug/L**	**76**	**SW846 8270C**
4-Nitrophenol	**150**	**114**	**ug/L**	**76**	**SW846 8270C**
N-Nitrosodi-n-propyl-amine	**100**	**70.9**	**ug/L**	**71**	**SW846 8270C**
Pentachlorophenol	**150**	**117**	**ug/L**	**78**	**SW846 8270C**
Phenol	**150**	**105**	**ug/L**	**70**	**SW846 8270C**
Pyrene	**100**	**66.0**	**ug/L**	**66**	**SW846 8270C**
1,2,4-Trichloro-benzene	**100**	**67.7**	**ug/L**	**68**	**SW846 8270C**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	67	(54 - 105)
Phenol-d5	70	(55 - 106)
Nitrobenzene-d5	67	(58 - 108)
2-Fluorobiphenyl	49 *	(53 - 97)
2,4,6-Tribromophenol	86	(62 - 113)
Terphenyl-d14	70	(55 - 109)

NOTE(S):

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

Bold print denotes control parameters

* Surrogate recovery is outside stated control limits.

METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: D4C060201 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: D4C080000-267 **Prep Batch #...:** 4068267						
Mercury	ND	0.20	ug/L	SW846 7470A	03/17/04	GATMX1AA
		Dilution Factor: 1				
		Analysis Time..: 16:14				
MB Lot-Sample #: D4C090000-642 **Prep Batch #...:** 4069642						
Boron	ND	100	ug/L	SW846 6010B	03/11-03/16/04	GAX881AA
		Dilution Factor: 1				
		Analysis Time..: 04:53				
Manganese	ND	10	ug/L	SW846 6010B	03/11-03/13/04	GAX881AC
		Dilution Factor: 1				
		Analysis Time..: 13:45				
Sodium	ND	5000	ug/L	SW846 6010B	03/11-03/16/04	GAX881AD
		Dilution Factor: 1				
		Analysis Time..: 04:53				
Calcium	ND	200	ug/L	SW846 6010B	03/11-03/16/04	GAX881AE
		Dilution Factor: 1				
		Analysis Time..: 04:53				
Magnesium	ND	200	ug/L	SW846 6010B	03/11-03/16/04	GAX881AF
		Dilution Factor: 1				
		Analysis Time..: 04:53				
Iron	ND	100	ug/L	SW846 6010B	03/11-03/13/04	GAX881AG
		Dilution Factor: 1				
		Analysis Time..: 13:45				
Zinc	ND	20	ug/L	SW846 6010B	03/11-03/13/04	GAX881AH
		Dilution Factor: 1				
		Analysis Time..: 13:45				
Silver	**1.1 B**	**10**	**ug/L**	**SW846 6010B**	**03/11-03/13/04**	**GAX881AJ**
		Dilution Factor: 1				
		Analysis Time..: 13:45				
Cadmium	ND	5.0	ug/L	SW846 6010B	03/11-03/13/04	GAX881AK
		Dilution Factor: 1				
		Analysis Time..: 13:45				

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METHOD BLANK REPORT

TOTAL Metals

Client Lot #...: D4C060201 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Chromium	ND	10	ug/L	SW846 6010B	03/11-03/13/04	GAX881AL
		Dilution Factor: 1				
		Analysis Time..: 13:45				
Copper	ND	10	ug/L	SW846 6010B	03/11-03/13/04	GAX881AM
		Dilution Factor: 1				
		Analysis Time..: 13:45				
Nickel	ND	40	ug/L	SW846 6010B	03/11-03/13/04	GAX881AN
		Dilution Factor: 1				
		Analysis Time..: 13:45				
Lead	ND	3.0	ug/L	SW846 6010B	03/11-03/13/04	GAX881AP
		Dilution Factor: 1				
		Analysis Time..: 13:45				
Arsenic	ND	10	ug/L	SW846 6010B	03/11-03/13/04	GAX881AQ
		Dilution Factor: 1				
		Analysis Time..: 13:45				
Cobalt	ND	10	ug/L	SW846 6010B	03/11-03/13/04	GAX881AR
		Dilution Factor: 1				
		Analysis Time..: 13:45				
Antimony	ND	10	ug/L	SW846 6010B	03/11-03/13/04	GAX881AT
		Dilution Factor: 1				
		Analysis Time..: 13:45				
Selenium	ND	5.0	ug/L	SW846 6010B	03/11-03/13/04	GAX881AU
		Dilution Factor: 1				
		Analysis Time..: 13:45				
Beryllium	**0.58 B**	**5.0**	**ug/L**	**SW846 6010B**	**03/11-03/16/04**	**GAX881AV**
		Dilution Factor: 1				
		Analysis Time..: 04:53				
Barium	ND	100	ug/L	SW846 6010B	03/11-03/13/04	GAX881AW
		Dilution Factor: 1				
		Analysis Time..: 13:45				
Potassium	**720 B**	**5000**	**ug/L**	**SW846 6010B**	**03/11-03/16/04**	**GAX881AX**
		Dilution Factor: 1				
		Analysis Time..: 04:53				

NOTE(S):

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

B Estimated result. Result is less than RL.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: D4C060201 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: D4C080000-267 **Prep Batch #...:** 4068267					
Mercury	98	(84 - 114)	SW846 7470A	03/17/04	GATMX1AC
		Dilution Factor: 1	Analysis Time..: 16:16		
LCS Lot-Sample#: D4C090000-642 **Prep Batch #...:** 4069642					
Boron	106	(89 - 110)	SW846 6010B	03/11-03/16/04	GAX881A0
		Dilution Factor: 1	Analysis Time..: 04:57		
Manganese	99	(90 - 110)	SW846 6010B	03/11-03/13/04	GAX881A1
		Dilution Factor: 1	Analysis Time..: 13:50		
Sodium	97	(91 - 112)	SW846 6010B	03/11-03/16/04	GAX881A2
		Dilution Factor: 1	Analysis Time..: 04:57		
Calcium	96	(89 - 110)	SW846 6010B	03/11-03/17/04	GAX881A3
		Dilution Factor: 1	Analysis Time..: 12:11		
Magnesium	104	(91 - 111)	SW846 6010B	03/11-03/16/04	GAX881A4
		Dilution Factor: 1	Analysis Time..: 04:57		
Iron	101	(88 - 110)	SW846 6010B	03/11-03/13/04	GAX881A5
		Dilution Factor: 1	Analysis Time..: 13:50		
Zinc	95	(85 - 110)	SW846 6010B	03/11-03/13/04	GAX881A6
		Dilution Factor: 1	Analysis Time..: 13:50		
Silver	106	(85 - 114)	SW846 6010B	03/11-03/13/04	GAX881A7
		Dilution Factor: 1	Analysis Time..: 13:50		
Cadmium	97	(89 - 110)	SW846 6010B	03/11-03/13/04	GAX881A8
		Dilution Factor: 1	Analysis Time..: 13:50		
Chromium	100	(89 - 112)	SW846 6010B	03/11-03/13/04	GAX881A9
		Dilution Factor: 1	Analysis Time..: 13:50		
Copper	100	(86 - 110)	SW846 6010B	03/11-03/13/04	GAX881CA
		Dilution Factor: 1	Analysis Time..: 13:50		
Nickel	100	(90 - 110)	SW846 6010B	03/11-03/13/04	GAX881CC
		Dilution Factor: 1	Analysis Time..: 13:50		

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: D4C060201 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Lead	101	(91 - 111)	SW846 6010B	03/11-03/13/04	GAX881CD
		Dilution Factor: 1	Analysis Time..: 13:50		
Arsenic	100	(89 - 109)	SW846 6010B	03/11-03/13/04	GAX881CE
		Dilution Factor: 1	Analysis Time..: 13:50		
Cobalt	99	(86 - 107)	SW846 6010B	03/11-03/13/04	GAX881CF
		Dilution Factor: 1	Analysis Time..: 13:50		
Antimony	100	(88 - 108)	SW846 6010B	03/11-03/13/04	GAX881CG
		Dilution Factor: 1	Analysis Time..: 13:50		
Selenium	104	(88 - 110)	SW846 6010B	03/11-03/13/04	GAX881CH
		Dilution Factor: 1	Analysis Time..: 13:50		
Beryllium	107	(88 - 112)	SW846 6010B	03/11-03/16/04	GAX881CJ
		Dilution Factor: 1	Analysis Time..: 04:57		
Barium	106	(93 - 113)	SW846 6010B	03/11-03/13/04	GAX881CK
		Dilution Factor: 1	Analysis Time..: 13:50		
Potassium	96	(86 - 111)	SW846 6010B	03/11-03/16/04	GAX881CL
		Dilution Factor: 1	Analysis Time..: 04:57		

NOTE(S):

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

LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: D4C060201 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
LCS Lot-Sample#: D4C080000-267 **Prep Batch #...:** 4068267							
Mercury	5.00	4.88	ug/L	98	SW846 7470A	03/17/04	GATMX1AC
			Dilution Factor: 1		Analysis Time..: 16:16		
LCS Lot-Sample#: D4C090000-642 **Prep Batch #...:** 4069642							
Boron	1000	1060	ug/L	106	SW846 6010B	03/11-03/16/04	GAX881A0
			Dilution Factor: 1		Analysis Time..: 04:57		
Manganese	500	494	ug/L	99	SW846 6010B	03/11-03/13/04	GAX881A1
			Dilution Factor: 1		Analysis Time..: 13:50		
Sodium	50000	48400	ug/L	97	SW846 6010B	03/11-03/16/04	GAX881A2
			Dilution Factor: 1		Analysis Time..: 04:57		
Calcium	50000	48000	ug/L	96	SW846 6010B	03/11-03/17/04	GAX881A3
			Dilution Factor: 1		Analysis Time..: 12:11		
Magnesium	50000	51800	ug/L	104	SW846 6010B	03/11-03/16/04	GAX881A4
			Dilution Factor: 1		Analysis Time..: 04:57		
Iron	1000	1010	ug/L	101	SW846 6010B	03/11-03/13/04	GAX881A5
			Dilution Factor: 1		Analysis Time..: 13:50		
Zinc	500	475	ug/L	95	SW846 6010B	03/11-03/13/04	GAX881A6
			Dilution Factor: 1		Analysis Time..: 13:50		
Silver	50.0	52.8	ug/L	106	SW846 6010B	03/11-03/13/04	GAX881A7
			Dilution Factor: 1		Analysis Time..: 13:50		
Cadmium	50.0	48.6	ug/L	97	SW846 6010B	03/11-03/13/04	GAX881A8
			Dilution Factor: 1		Analysis Time..: 13:50		
Chromium	200	200	ug/L	100	SW846 6010B	03/11-03/13/04	GAX881A9
			Dilution Factor: 1		Analysis Time..: 13:50		
Copper	250	251	ug/L	100	SW846 6010B	03/11-03/13/04	GAX881CA
			Dilution Factor: 1		Analysis Time..: 13:50		
Nickel	500	498	ug/L	100	SW846 6010B	03/11-03/13/04	GAX881CC
			Dilution Factor: 1		Analysis Time..: 13:50		

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LABORATORY CONTROL SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: D4C060201 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Lead	500	507	ug/L	101	SW846 6010B	03/11-03/13/04	GAX881CD
			Dilution Factor: 1		Analysis Time..: 13:50		
Arsenic	2000	2000	ug/L	100	SW846 6010B	03/11-03/13/04	GAX881CE
			Dilution Factor: 1		Analysis Time..: 13:50		
Cobalt	500	494	ug/L	99	SW846 6010B	03/11-03/13/04	GAX881CF
			Dilution Factor: 1		Analysis Time..: 13:50		
Antimony	500	500	ug/L	100	SW846 6010B	03/11-03/13/04	GAX881CG
			Dilution Factor: 1		Analysis Time..: 13:50		
Selenium	2000	2070	ug/L	104	SW846 6010B	03/11-03/13/04	GAX881CH
			Dilution Factor: 1		Analysis Time..: 13:50		
Beryllium	50.0	53.5	ug/L	107	SW846 6010B	03/11-03/16/04	GAX881CJ
			Dilution Factor: 1		Analysis Time..: 04:57		
Barium	2000	2130	ug/L	106	SW846 6010B	03/11-03/13/04	GAX881CK
			Dilution Factor: 1		Analysis Time..: 13:50		
Potassium	50000	48000	ug/L	96	SW846 6010B	03/11-03/16/04	GAX881CL
			Dilution Factor: 1		Analysis Time..: 04:57		

NOTE(S):

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

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: D4C060201 **Matrix.....:** WATER
Date Sampled...: 03/03/04 11:15 **Date Received..:** 03/04/04

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D4C040291-001 **Prep Batch #...:** 4068267							
Mercury	96	(84 - 114)			SW846 7470A	03/17/04	GAL7G1CG
	100	(84 - 114)	3.7	(0-10)	SW846 7470A	03/17/04	GAL7G1CH

Dilution Factor: 1
Analysis Time..: 16:38

NOTE(S):

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

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: D4C060201 **Matrix.....:** WATER
Date Sampled...: 03/03/04 11:15 **Date Received..:** 03/04/04

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D4C040291-001 **Prep Batch #...:** 4068267									
Mercury									
	ND	5.00	4.82	ug/L	96		SW846 7470A	03/17/04	GAL7G1CG
	ND	5.00	5.00	ug/L	100	3.7	SW846 7470A	03/17/04	GAL7G1CH

Dilution Factor: 1
Analysis Time..: 16:38

NOTE(S):

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

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: D4C060201 **Matrix.....:** WATER
Date Sampled...: 03/05/04 14:40 **Date Received..:** 03/06/04

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D4C060201-001 **Prep Batch #...:** 4069642							
Boron	137 N	(87 - 113)			SW846 6010B	03/11-03/16/04	GAR351CW
	84 N	(87 - 113)	5.2	(0-25)	SW846 6010B	03/11-03/16/04	GAR351CX
		Dilution Factor: 1					
		Analysis Time..: 21:22					
Manganese	105	(79 - 121)			SW846 6010B	03/11-03/15/04	GAR351C0
	97	(79 - 121)	3.0	(0-25)	SW846 6010B	03/11-03/15/04	GAR351C1
		Dilution Factor: 1					
		Analysis Time..: 21:22					
Sodium	NC,MSB	(70 - 203)			SW846 6010B	03/11-03/16/04	GAR351C2
	NC,MSB	(70 - 203)		(0-40)	SW846 6010B	03/11-03/16/04	GAR351C3
		Dilution Factor: 1					
		Analysis Time..: 06:37					
Calcium	NC,MSB	(48 - 153)			SW846 6010B	03/11-03/16/04	GAR351C4
	NC,MSB	(48 - 153)		(0-25)	SW846 6010B	03/11-03/16/04	GAR351C5
		Dilution Factor: 1					
		Analysis Time..: 06:37					
Magnesium	NC,MSB	(62 - 146)			SW846 6010B	03/11-03/16/04	GAR351C6
	NC,MSB	(62 - 146)		(0-25)	SW846 6010B	03/11-03/16/04	GAR351C7
		Dilution Factor: 1					
		Analysis Time..: 06:37					
Iron	NC,MSB	(52 - 155)			SW846 6010B	03/11-03/16/04	GAR351C8
	NC,MSB	(52 - 155)		(0-25)	SW846 6010B	03/11-03/16/04	GAR351C9
		Dilution Factor: 1					
		Analysis Time..: 06:37					
Zinc	84	(60 - 137)			SW846 6010B	03/11-03/15/04	GAR351DA
	79	(60 - 137)	3.6	(0-25)	SW846 6010B	03/11-03/15/04	GAR351DC
		Dilution Factor: 1					
		Analysis Time..: 21:22					
Silver	144 N	(75 - 141)			SW846 6010B	03/11-03/15/04	GAR351DD
	138	(75 - 141)	4.6	(0-25)	SW846 6010B	03/11-03/15/04	GAR351DE
		Dilution Factor: 1					
		Analysis Time..: 21:22					

(Continued on next page)

MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: D4C060201 **Matrix.....:** WATER
Date Sampled...: 03/05/04 14:40 **Date Received..:** 03/06/04

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Cadmium	102	(82 - 119)			SW846 6010B	03/11-03/15/04	GAR351DF
	99	(82 - 119)	3.3	(0-25)	SW846 6010B	03/11-03/15/04	GAR351DG
		Dilution Factor: 1					
		Analysis Time..: 21:22					
Chromium	108	(73 - 135)			SW846 6010B	03/11-03/15/04	GAR351DH
	104	(73 - 135)	3.0	(0-25)	SW846 6010B	03/11-03/15/04	GAR351DJ
		Dilution Factor: 1					
		Analysis Time..: 21:22					
Copper	129	(82 - 129)			SW846 6010B	03/11-03/15/04	GAR351DK
	124	(82 - 129)	4.1	(0-25)	SW846 6010B	03/11-03/15/04	GAR351DL
		Dilution Factor: 1					
		Analysis Time..: 21:22					
Nickel	104	(84 - 120)			SW846 6010B	03/11-03/15/04	GAR351DM
	99	(84 - 120)	3.5	(0-25)	SW846 6010B	03/11-03/15/04	GAR351DN
		Dilution Factor: 1					
		Analysis Time..: 21:22					
Lead	115	(89 - 121)			SW846 6010B	03/11-03/15/04	GAR351DP
	110	(89 - 121)	3.6	(0-25)	SW846 6010B	03/11-03/15/04	GAR351DQ
		Dilution Factor: 1					
		Analysis Time..: 21:22					
Arsenic	126 N	(84 - 124)			SW846 6010B	03/11-03/15/04	GAR351DR
	121	(84 - 124)	3.7	(0-25)	SW846 6010B	03/11-03/15/04	GAR351DT
		Dilution Factor: 1					
		Analysis Time..: 21:22					
Cobalt	110	(82 - 119)			SW846 6010B	03/11-03/15/04	GAR351DU
	105	(82 - 119)	3.6	(0-25)	SW846 6010B	03/11-03/15/04	GAR351DV
		Dilution Factor: 1					
		Analysis Time..: 21:22					
Antimony	124	(81 - 124)			SW846 6010B	03/11-03/15/04	GAR351DW
	118	(81 - 124)	4.6	(0-25)	SW846 6010B	03/11-03/15/04	GAR351DX
		Dilution Factor: 1					
		Analysis Time..: 21:22					
Selenium	133	(71 - 140)			SW846 6010B	03/11-03/15/04	GAR351D0
	128	(71 - 140)	3.8	(0-25)	SW846 6010B	03/11-03/15/04	GAR351D1
		Dilution Factor: 1					
		Analysis Time..: 21:22					

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MATRIX SPIKE SAMPLE EVALUATION REPORT

TOTAL Metals

Client Lot #...: D4C060201 **Matrix.....:** WATER
Date Sampled...: 03/05/04 14:40 **Date Received..:** 03/06/04

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Beryllium	112	(79 - 121)			SW846 6010B	03/11-03/16/04	GAR351D2
	107	(79 - 121)	4.2	(0-25)	SW846 6010B	03/11-03/16/04	GAR351D3
		Dilution Factor: 1					
		Analysis Time..: 06:37					
Barium	107	(85 - 120)			SW846 6010B	03/11-03/15/04	GAR351D4
	99	(85 - 120)	3.2	(0-25)	SW846 6010B	03/11-03/15/04	GAR351D5
		Dilution Factor: 1					
		Analysis Time..: 21:22					
Potassium	NC,MSB	(76 - 132)			SW846 6010B	03/11-03/16/04	GAR351D6
	NC,MSB	(76 - 132)		(0-25)	SW846 6010B	03/11-03/16/04	GAR351D7
		Dilution Factor: 1					
		Analysis Time..: 06:37					

NOTE(S):

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

N Spiked analyte recovery is outside stated control limits.

NC The recovery and/or RPD were not calculated.

MSB The recovery and RPD were not calculated because the sample amount was greater than four times the spike amount.

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: D4C060201 **Matrix.....:** WATER
Date Sampled...: 03/05/04 14:40 **Date Received..:** 03/06/04

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: D4C060201-001 **Prep Batch #...:** 4069642									
Boron									
	9100	1000	10500 N	ug/L	137		SW846 6010B	03/11-03/16/04	GAR351CW
	9100	1000	9970 N	ug/L	84	5.2	SW846 6010B	03/11-03/16/04	GAR351CX
			Dilution Factor: 1						
			Analysis Time..: 21:22						
Manganese									
	870	500	1390	ug/L	105		SW846 6010B	03/11-03/15/04	GAR351C0
	870	500	1350	ug/L	97	3.0	SW846 6010B	03/11-03/15/04	GAR351C1
			Dilution Factor: 1						
			Analysis Time..: 21:22						
Sodium									
	1900000	50000	1950000	ug/L			SW846 6010B	03/11-03/16/04	GAR351C2
			Qualifiers: NC,MSB						
	1900000	50000	1910000	ug/L			SW846 6010B	03/11-03/16/04	GAR351C3
			Qualifiers: NC,MSB						
			Dilution Factor: 1						
			Analysis Time..: 06:37						
Calcium									
	270000	50000	329000	ug/L			SW846 6010B	03/11-03/16/04	GAR351C4
			Qualifiers: NC,MSB						
	270000	50000	321000	ug/L			SW846 6010B	03/11-03/16/04	GAR351C5
			Qualifiers: NC,MSB						
			Dilution Factor: 1						
			Analysis Time..: 06:37						
Magnesium									
	260000	50000	319000	ug/L			SW846 6010B	03/11-03/16/04	GAR351C6
			Qualifiers: NC,MSB						
	260000	50000	311000	ug/L			SW846 6010B	03/11-03/16/04	GAR351C7
			Qualifiers: NC,MSB						
			Dilution Factor: 1						
			Analysis Time..: 06:37						
Iron									
	21000	1000	22500	ug/L			SW846 6010B	03/11-03/16/04	GAR351C8
			Qualifiers: NC,MSB						
	21000	1000	22100	ug/L			SW846 6010B	03/11-03/16/04	GAR351C9
			Qualifiers: NC,MSB						
			Dilution Factor: 1						
			Analysis Time..: 06:37						

(Continued on next page)

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: D4C060201 **Matrix.....:** WATER
Date Sampled...: 03/05/04 14:40 **Date Received..:** 03/06/04

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Zinc									
	390	500	810	ug/L	84		SW846 6010B	03/11-03/15/04	GAR351DA
	390	500	782	ug/L	79	3.6	SW846 6010B	03/11-03/15/04	GAR351DC
			Dilution Factor: 1						
			Analysis Time..: 21:22						
Silver									
	ND	50.0	72.3 N	ug/L	144		SW846 6010B	03/11-03/15/04	GAR351DD
	ND	50.0	69.0	ug/L	138	4.6	SW846 6010B	03/11-03/15/04	GAR351DE
			Dilution Factor: 1						
			Analysis Time..: 21:22						
Cadmium									
	3.1	50.0	54.2	ug/L	102		SW846 6010B	03/11-03/15/04	GAR351DF
	3.1	50.0	52.4	ug/L	99	3.3	SW846 6010B	03/11-03/15/04	GAR351DG
			Dilution Factor: 1						
			Analysis Time..: 21:22						
Chromium									
	96	200	313	ug/L	108		SW846 6010B	03/11-03/15/04	GAR351DH
	96	200	304	ug/L	104	3.0	SW846 6010B	03/11-03/15/04	GAR351DJ
			Dilution Factor: 1						
			Analysis Time..: 21:22						
Copper									
	39	250	363	ug/L	129		SW846 6010B	03/11-03/15/04	GAR351DK
	39	250	348	ug/L	124	4.1	SW846 6010B	03/11-03/15/04	GAR351DL
			Dilution Factor: 1						
			Analysis Time..: 21:22						
Nickel									
	240	500	760	ug/L	104		SW846 6010B	03/11-03/15/04	GAR351DM
	240	500	734	ug/L	99	3.5	SW846 6010B	03/11-03/15/04	GAR351DN
			Dilution Factor: 1						
			Analysis Time..: 21:22						
Lead									
	23	500	596	ug/L	115		SW846 6010B	03/11-03/15/04	GAR351DP
	23	500	575	ug/L	110	3.6	SW846 6010B	03/11-03/15/04	GAR351DQ
			Dilution Factor: 1						
			Analysis Time..: 21:22						

(Continued on next page)

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: D4C060201 **Matrix.....:** WATER
Date Sampled...: 03/05/04 14:40 **Date Received..:** 03/06/04

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Arsenic									
	350	2000	2880 N	ug/L	126		SW846 6010B	03/11-03/15/04	GAR351DR
	350	2000	2770	ug/L	121	3.7	SW846 6010B	03/11-03/15/04	GAR351DT
			Dilution Factor: 1						
			Analysis Time..: 21:22						
Cobalt									
	52	500	600	ug/L	110		SW846 6010B	03/11-03/15/04	GAR351DU
	52	500	579	ug/L	105	3.6	SW846 6010B	03/11-03/15/04	GAR351DV
			Dilution Factor: 1						
			Analysis Time..: 21:22						
Antimony									
	16	500	636	ug/L	124		SW846 6010B	03/11-03/15/04	GAR351DW
	16	500	607	ug/L	118	4.6	SW846 6010B	03/11-03/15/04	GAR351DX
			Dilution Factor: 1						
			Analysis Time..: 21:22						
Selenium									
	13	2000	2670	ug/L	133		SW846 6010B	03/11-03/15/04	GAR351D0
	13	2000	2570	ug/L	128	3.8	SW846 6010B	03/11-03/15/04	GAR351D1
			Dilution Factor: 1						
			Analysis Time..: 21:22						
Beryllium									
	1.9	50.0	57.8	ug/L	112		SW846 6010B	03/11-03/16/04	GAR351D2
	1.9	50.0	55.4	ug/L	107	4.2	SW846 6010B	03/11-03/16/04	GAR351D3
			Dilution Factor: 1						
			Analysis Time..: 06:37						
Barium									
	2900	2000	5090	ug/L	107		SW846 6010B	03/11-03/15/04	GAR351D4
	2900	2000	4930	ug/L	99	3.2	SW846 6010B	03/11-03/15/04	GAR351D5
			Dilution Factor: 1						
			Analysis Time..: 21:22						
Potassium									
	810000	50000	882000	ug/L			SW846 6010B	03/11-03/16/04	GAR351D6
			Qualifiers: NC,MSB						
	810000	50000	858000	ug/L			SW846 6010B	03/11-03/16/04	GAR351D7
			Qualifiers: NC,MSB						
			Dilution Factor: 1						
			Analysis Time..: 06:37						

(Continued on next page)

MATRIX SPIKE SAMPLE DATA REPORT

TOTAL Metals

Client Lot #...: D4C060201 **Matrix.....:** WATER
Date Sampled...: 03/05/04 14:40 **Date Received..:** 03/06/04

NOTE(S):

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

N Spiked analyte recovery is outside stated control limits.

NC The recovery and/or RPD were not calculated.

MSB The recovery and RPD were not calculated because the sample amount was greater than four times the spike amount.

METHOD BLANK REPORT

General Chemistry

Client Lot #...: D4C060201 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chemical Oxygen Demand (COD)		Work Order #: GCAVH1AA		MB Lot-Sample #:	D4C160000-253	
	ND	8.0	mg/L	MCAWW 410.4	03/16/04	4076253
		Dilution Factor: 1				
		Analysis Time..: 09:00				
Chloride		Work Order #: GAXW41AA		MB Lot-Sample #:	D4C090000-338	
	ND	3.0	mg/L	MCAWW 300.0A	03/08/04	4069338
		Dilution Factor: 1				
		Analysis Time..: 16:29				
Cyanide, Total		Work Order #: GA93G1AA		MB Lot-Sample #:	D4C150000-589	
	ND	0.010	mg/L	MCAWW 335.3	03/15/04	4075589
		Dilution Factor: 1				
		Analysis Time..: 15:00				
Fluoride		Work Order #: GAXWG1AA		MB Lot-Sample #:	D4C090000-340	
	ND	1.0	mg/L	MCAWW 300.0A	03/08/04	4069340
		Dilution Factor: 1				
		Analysis Time..: 16:29				
Free Cyanide (4500-CN-I)		Work Order #: GCD3K1AA		MB Lot-Sample #:	D4C170000-305	
	ND	0.010	mg/L	SM18 4500-CN-I	03/16/04	4077305
		Dilution Factor: 1				
		Analysis Time..: 15:00				
Hardness, as CaCO3		Work Order #: GCED11AA		MB Lot-Sample #:	D4C160000-519	
	ND	5.0	mg/L	MCAWW 130.2	03/16/04	4076519
		Dilution Factor: 1				
		Analysis Time..: 12:00				
HEM (Oil and Grease)		Work Order #: GCK271AA		MB Lot-Sample #:	D4C190000-435	
	ND	5.0	mg/L	CFR136A 1664A HEM	03/18-03/19/04	4079435
		Dilution Factor: 1				
		Analysis Time..: 21:00				
Specific Conductance		Work Order #: GCAAV1AA		MB Lot-Sample #:	D4C150000-639	
	ND	2.0	umhos/cm	MCAWW 120.1	03/15/04	4075639
		Dilution Factor: 1				
		Analysis Time..: 15:00				
Sulfate		Work Order #: GAX0A1AA		MB Lot-Sample #:	D4C090000-339	
	0.28 B	**5.0**	**mg/L**	**MCAWW 300.0A**	**03/08/04**	**4069339**
		Dilution Factor: 1				
		Analysis Time..: 16:29				

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METHOD BLANK REPORT

General Chemistry

Client Lot #...: D4C060201 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Alkalinity		Work Order #: GCAF21AA		MB Lot-Sample #:	D4C150000-627	
	2.5 B	**5.0**	**mg/L**	**MCAWW 310.1**	**03/15/04**	**4075627**
		Dilution Factor: 1				
		Analysis Time..: 16:30				
Total Dissolved Solids		Work Order #: GCAHJ1AA		MB Lot-Sample #:	D4C110000-431	
	ND	10	mg/L	MCAWW 160.1	03/11/04	4071431
		Dilution Factor: 1				
		Analysis Time..: 14:00				
Total Organic Halogens		Work Order #: GCXDE1AA		MB Lot-Sample #:	D4C250000-458	
	ND	30	ug/L	SW846 9020B	03/24/04	4085458
		Dilution Factor: 1				
		Analysis Time..: 12:00				
Total Organic Carbon		Work Order #: GCCVD1AA		MB Lot-Sample #:	D4C160000-452	
	ND	1.0	mg/L	MCAWW 415.1	03/15/04	4076452
		Dilution Factor: 1				
		Analysis Time..: 14:00				
Total Sulfide		Work Order #: GAWV81AA		MB Lot-Sample #:	D4C080000-647	
	ND	0.050	mg/L	MCAWW 376.2	03/08/04	4068647
		Dilution Factor: 1				
		Analysis Time..: 16:30				

NOTE(S):

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

B Estimated result. Result is less than RL.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Lot-Sample #...: D4C060201 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chemical Oxygen Demand (COD)		WO#:GCAVH1AC-LCS/GCAVH1AD-LCSD				LCS Lot-Sample#: D4C160000-253	
	94	(86 - 114)			MCAWW 410.4	03/16/04	4076253
	94	(86 - 114)	0.35	(0-11)	MCAWW 410.4	03/16/04	4076253
		Dilution Factor: 1			Analysis Time..: 09:00		
Chloride		WO#:GAXW41AC-LCS/GAXW41AD-LCSD				LCS Lot-Sample#: D4C090000-338	
	104	(90 - 110)			MCAWW 300.0A	03/08/04	4069338
	104	(90 - 110)	0.14	(0-10)	MCAWW 300.0A	03/08/04	4069338
		Dilution Factor: 1			Analysis Time..: 15:57		
Fluoride		WO#:GAXWG1AC-LCS/GAXWG1AD-LCSD				LCS Lot-Sample#: D4C090000-340	
	106	(90 - 110)			MCAWW 300.0A	03/08/04	4069340
	106	(90 - 110)	0.23	(0-10)	MCAWW 300.0A	03/08/04	4069340
		Dilution Factor: 1			Analysis Time..: 15:57		
Hardness, as CaCO3		WO#:GCED11AC-LCS/GCED11AD-LCSD				LCS Lot-Sample#: D4C160000-519	
	100	(96 - 108)			MCAWW 130.2	03/16/04	4076519
	100	(96 - 108)	0.25	(0-5.0)	MCAWW 130.2	03/16/04	4076519
		Dilution Factor: 1			Analysis Time..: 12:00		
HEM (Oil and Grease)		WO#:GCK271AC-LCS/GCK271AD-LCSD				LCS Lot-Sample#: D4C190000-435	
	97	(78 - 114)			CFR136A 1664A HEM	03/18-03/19/04	4079435
	92	(78 - 114)	5.0	(0-47)	CFR136A 1664A HEM	03/18-03/19/04	4079435
		Dilution Factor: 1			Analysis Time..: 21:00		
Specific Conductance		WO#:GCAAV1AC-LCS/GCAAV1AD-LCSD				LCS Lot-Sample#: D4C150000-639	
	100	(89 - 109)			MCAWW 120.1	03/15/04	4075639
	100	(89 - 109)	0.42	(0-7.0)	MCAWW 120.1	03/15/04	4075639
		Dilution Factor: 1			Analysis Time..: 15:00		
Sulfate		WO#:GAX0A1AC-LCS/GAX0A1AD-LCSD				LCS Lot-Sample#: D4C090000-339	
	104	(90 - 110)			MCAWW 300.0A	03/08/04	4069339
	104	(90 - 110)	0.04	(0-10)	MCAWW 300.0A	03/08/04	4069339
		Dilution Factor: 1			Analysis Time..: 15:57		

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LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Lot-Sample #...: D4C060201 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Dissolved Solids		WO#:GCAHJ1AC-LCS/GCAHJ1AD-LCSD				LCS Lot-Sample#: D4C110000-431	
	96	(86 - 106)			MCAWW 160.1	03/11/04	4071431
	98	(86 - 106)	1.8	(0-20)	MCAWW 160.1	03/11/04	4071431
		Dilution Factor: 1			Analysis Time..: 14:00		
Total Organic Carbon		WO#:GCCVD1AC-LCS/GCCVD1AD-LCSD				LCS Lot-Sample#: D4C160000-452	
	99	(90 - 110)			MCAWW 415.1	03/15/04	4076452
	104	(90 - 110)	5.2	(0-10)	MCAWW 415.1	03/15/04	4076452
		Dilution Factor: 1			Analysis Time..: 14:00		
Total Sulfide		WO#:GAWV81AC-LCS/GAWV81AD-LCSD				LCS Lot-Sample#: D4C080000-647	
	101	(79 - 131)			MCAWW 376.2	03/08/04	4068647
	106	(79 - 131)	4.6	(0-10)	MCAWW 376.2	03/08/04	4068647
		Dilution Factor: 1			Analysis Time..: 16:30		

NOTE(S):

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

LABORATORY CONTROL SAMPLE DATA REPORT

General Chemistry

Lot-Sample #...: D4C060201 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chemical Oxygen Demand (COD)		WO#:GCAVH1AC-LCS/GCAVH1AD-LCSD				LCS Lot-Sample#: D4C160000-253		
	100	93.9	mg/L	94		MCAWW 410.4	03/16/04	4076253
	100	94.3	mg/L	94	0.35	MCAWW 410.4	03/16/04	4076253
		Dilution Factor: 1				Analysis Time..: 09:00		
Chloride		WO#:GAXW41AC-LCS/GAXW41AD-LCSD				LCS Lot-Sample#: D4C090000-338		
	20.0	20.9	mg/L	104		MCAWW 300.0A	03/08/04	4069338
	20.0	20.8	mg/L	104	0.14	MCAWW 300.0A	03/08/04	4069338
		Dilution Factor: 1				Analysis Time..: 15:57		
Fluoride		WO#:GAXWG1AC-LCS/GAXWG1AD-LCSD				LCS Lot-Sample#: D4C090000-340		
	4.00	4.26	mg/L	106		MCAWW 300.0A	03/08/04	4069340
	4.00	4.25	mg/L	106	0.23	MCAWW 300.0A	03/08/04	4069340
		Dilution Factor: 1				Analysis Time..: 15:57		
Hardness, as CaCO3		WO#:GCED11AC-LCS/GCED11AD-LCSD				LCS Lot-Sample#: D4C160000-519		
	400	399	mg/L	100		MCAWW 130.2	03/16/04	4076519
	400	398	mg/L	100	0.25	MCAWW 130.2	03/16/04	4076519
		Dilution Factor: 1				Analysis Time..: 12:00		
HEM (Oil and Grease)		WO#:GCK271AC-LCS/GCK271AD-LCSD				LCS Lot-Sample#: D4C190000-435		
	40.0	38.9	mg/L	97		CFR136A 1664A HEM	03/18-03/19/04	4079435
	40.0	37.0	mg/L	92	5.0	CFR136A 1664A HEM	03/18-03/19/04	4079435
		Dilution Factor: 1				Analysis Time..: 21:00		
Specific Conductance		WO#:GCAAV1AC-LCS/GCAAV1AD-LCSD				LCS Lot-Sample#: D4C150000-639		
	1410	1410	umhos/cm	100		MCAWW 120.1	03/15/04	4075639
	1410	1400	umhos/cm	100	0.42	MCAWW 120.1	03/15/04	4075639
		Dilution Factor: 1				Analysis Time..: 15:00		
Sulfate		WO#:GAX0A1AC-LCS/GAX0A1AD-LCSD				LCS Lot-Sample#: D4C090000-339		
	20.0	20.8	mg/L	104		MCAWW 300.0A	03/08/04	4069339
	20.0	20.8	mg/L	104	0.04	MCAWW 300.0A	03/08/04	4069339
		Dilution Factor: 1				Analysis Time..: 15:57		

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LABORATORY CONTROL SAMPLE DATA REPORT

General Chemistry

Lot-Sample #...: D4C060201 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Dissolved Solids			WO#:GCAHJ1AC-LCS/GCAHJ1AD-LCSD			LCS Lot-Sample#: D4C110000-431		
	500	481	mg/L	96		MCAWW 160.1	03/11/04	4071431
	500	490	mg/L	98	1.8	MCAWW 160.1	03/11/04	4071431
			Dilution Factor: 1			Analysis Time..: 14:00		
Total Organic Carbon			WO#:GCCVD1AC-LCS/GCCVD1AD-LCSD			LCS Lot-Sample#: D4C160000-452		
	25.0	24.7	mg/L	99		MCAWW 415.1	03/15/04	4076452
	25.0	26.0	mg/L	104	5.2	MCAWW 415.1	03/15/04	4076452
			Dilution Factor: 1			Analysis Time..: 14:00		
Total Sulfide			WO#:GAWV81AC-LCS/GAWV81AD-LCSD			LCS Lot-Sample#: D4C080000-647		
	0.276	0.279	mg/L	101		MCAWW 376.2	03/08/04	4068647
	0.276	0.292	mg/L	106	4.6	MCAWW 376.2	03/08/04	4068647
			Dilution Factor: 1			Analysis Time..: 16:30		

NOTE(S):

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

LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: D4C060201 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Cyanide, Total		Work Order #: GA93G1AC	LCS Lot-Sample#: D4C150000-589		
	96	(89 - 109)	MCAWW 335.3	03/15-03/16/04	4075589
		Dilution Factor: 1	Analysis Time..: 15:00		
Free Cyanide (4500-CN-I)		Work Order #: GCD3K1AC	LCS Lot-Sample#: D4C170000-305		
	98	(75 - 120)	SM18 4500-CN-I	03/16/04	4077305
		Dilution Factor: 1	Analysis Time..: 15:00		
Total Alkalinity		Work Order #: GCAF21AC	LCS Lot-Sample#: D4C150000-627		
	100	(95 - 110)	MCAWW 310.1	03/15/04	4075627
		Dilution Factor: 1	Analysis Time..: 16:30		
Total Organic Halogens		Work Order #: GCXDE1AC	LCS Lot-Sample#: D4C250000-458		
	94	(75 - 113)	SW846 9020B	03/24/04	4085458
		Dilution Factor: 1	Analysis Time..: 12:00		

NOTE(S):

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

LABORATORY CONTROL SAMPLE DATA REPORT

General Chemistry

Client Lot #...: D4C060201 **Matrix.....:** WATER

PARAMETER	SPIKE AMOUNT	MEASURED AMOUNT	UNITS	PERCNT RECVRY	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Cyanide, Total			Work Order #: GA93G1AC		LCS Lot-Sample#: D4C150000-589		
	0.100	0.0964	mg/L	96	MCAWW 335.3	03/15-03/16/04	4075589
			Dilution Factor: 1		Analysis Time..: 15:00		
Free Cyanide (4500-CN-I)			Work Order #: GCD3K1AC		LCS Lot-Sample#: D4C170000-305		
	0.100	0.0984	mg/L	98	SM18 4500-CN-I	03/16/04	4077305
			Dilution Factor: 1		Analysis Time..: 15:00		
Total Alkalinity			Work Order #: GCAF21AC		LCS Lot-Sample#: D4C150000-627		
	200	200	mg/L	100	MCAWW 310.1	03/15/04	4075627
			Dilution Factor: 1		Analysis Time..: 16:30		
Total Organic Halogens			Work Order #: GCXDE1AC		LCS Lot-Sample#: D4C250000-458		
	100	94.0	ug/L	94	SW846 9020B	03/24/04	4085458
			Dilution Factor: 1		Analysis Time..: 12:00		

NOTE(S):

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

MATRIX SPIKE SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: D4C060201 **Matrix.....:** WATER
Date Sampled...: 01/19/04 11:35 **Date Received..:** 02/24/04

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chemical Oxygen Demand (COD)		WO#: GAKD81AF-MS/GAKD81AG-MSD				MS Lot-Sample #: D4C020336-005	
	98	(74 - 109)			MCAWW 410.4	03/16/04	4076253
	92	(74 - 109)	6.6	(0-11)	MCAWW 410.4	03/16/04	4076253
		Dilution Factor: 1					
		Analysis Time..: 09:00					
Chloride		WO#: GAR351CR-MS/GAR351CT-MSD				MS Lot-Sample #: D4C060201-001	
	117 I	(80 - 120)			MCAWW 300.0A	03/08-03/09/04	4069338
	116 I	(80 - 120)	0.73	(0-10)	MCAWW 300.0A	03/08-03/09/04	4069338
		Dilution Factor: 1					
		Analysis Time..: 00:17					
Cyanide, Total		WO#: GALQV1C7-MS/GALQV1C8-MSD				MS Lot-Sample #: D4C040230-001	
	94	(78 - 120)			MCAWW 335.3	03/15-03/16/04	4075589
	96	(78 - 120)	1.4	(0-20)	MCAWW 335.3	03/15-03/16/04	4075589
		Dilution Factor: 1					
		Analysis Time..: 15:00					
Fluoride		WO#: GAR351CP-MS/GAR351CQ-MSD				MS Lot-Sample #: D4C060201-001	
	114	(80 - 120)			MCAWW 300.0A	03/08/04	4069340
	113	(80 - 120)	0.07	(0-10)	MCAWW 300.0A	03/08/04	4069340
		Dilution Factor: 1					
		Analysis Time..: 22:43					
Free Cyanide (4500-CN-I)		WO#: GAQ0N1CR-MS/GAQ0N1CT-MSD				MS Lot-Sample #: D4C050375-001	
	96	(75 - 120)			SM18 4500-CN-I	03/16/04	4077305
	93	(75 - 120)	3.7	(0-24)	SM18 4500-CN-I	03/16/04	4077305
		Dilution Factor: 1					
		Analysis Time..: 15:00					
Hardness, as CaCO3		WO#: F94V51AC-MS/F94V51AD-MSD				MS Lot-Sample #: D4B240257-001	
	100	(96 - 108)			MCAWW 130.2	03/16/04	4076518
	101	(96 - 108)	0.41	(0-5.0)	MCAWW 130.2	03/16/04	4076518
		Dilution Factor: 1					
		Analysis Time..: 12:00					
Sulfate		WO#: GAR351CU-MS/GAR351CV-MSD				MS Lot-Sample #: D4C060201-001	
	106	(80 - 120)			MCAWW 300.0A	03/08/04	4069339
	106	(80 - 120)	0.07	(0-10)	MCAWW 300.0A	03/08/04	4069339
		Dilution Factor: 1					
		Analysis Time..: 22:43					

(Continued on next page)

MATRIX SPIKE SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: D4C060201 **Matrix.....:** WATER
Date Sampled...: 01/19/04 11:35 **Date Received..:** 02/24/04

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Halogens		WO#: GCAMD1AC-MS/GCAMD1AD-MSD				MS Lot-Sample #: D4C160130-001	
	85	(75 - 113)			SW846 9020B	03/24/04	4085458
	83	(75 - 113)	1.9	(0-30)	SW846 9020B	03/24/04	4085458
		Dilution Factor: 1					
		Analysis Time..: 12:00					
Total Organic Carbon		WO#: GAV521AH-MS/GAV521AJ-MSD				MS Lot-Sample #: D4C090118-001	
	104	(85 - 117)			MCAWW 415.1	03/15/04	4076452
	104	(85 - 117)	0.06	(0-10)	MCAWW 415.1	03/15/04	4076452
		Dilution Factor: 1					
		Analysis Time..: 18:00					
Total Sulfide		WO#: GAQ0N1CP-MS/GAQ0N1CQ-MSD				MS Lot-Sample #: D4C050375-001	
	50 N	(51 - 113)			MCAWW 376.2	03/08/04	4068647
	55 *	(51 - 113)	11	(0-10)	MCAWW 376.2	03/08/04	4068647
		Dilution Factor: 1					
		Analysis Time..: 16:30					

NOTE(S):

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

I Estimated result. Result concentration exceeds the calibration range.

N Spiked analyte recovery is outside stated control limits.

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

MATRIX SPIKE SAMPLE DATA REPORT

General Chemistry

Client Lot #...: D4C060201 **Matrix.....:** WATER
Date Sampled...: 01/19/04 11:35 **Date Received..:** 02/24/04

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Chemical Oxygen Demand (COD)			WO#: GAKD81AF-MS/GAKD81AG-MSD				MS Lot-Sample #: D4C020336-005		
	ND	50.0	51.7	mg/L	98		MCAWW 410.4	03/16/04	4076253
	ND	50.0	48.4	mg/L	92	6.6	MCAWW 410.4	03/16/04	4076253
			Dilution Factor: 1						
			Analysis Time..: 09:00						
Chloride			WO#: GAR351CR-MS/GAR351CT-MSD				MS Lot-Sample #: D4C060201-001		
	3000	2500	5900 I	mg/L	117		MCAWW 300.0A	03/08-03/09/04	4069338
	3000	2500	5860 I	mg/L	116	0.73	MCAWW 300.0A	03/08-03/09/04	4069338
			Dilution Factor: 1						
			Analysis Time..: 00:17						
Cyanide, Total			WO#: GALQV1C7-MS/GALQV1C8-MSD				MS Lot-Sample #: D4C040230-001		
	ND	0.100	0.0955	mg/L	94		MCAWW 335.3	03/15-03/16/04	4075589
	ND	0.100	0.0968	mg/L	96	1.4	MCAWW 335.3	03/15-03/16/04	4075589
			Dilution Factor: 1						
			Analysis Time..: 15:00						
Fluoride			WO#: GAR351CP-MS/GAR351CQ-MSD				MS Lot-Sample #: D4C060201-001		
	ND	25.0	28.4	mg/L	114		MCAWW 300.0A	03/08/04	4069340
	ND	25.0	28.4	mg/L	113	0.07	MCAWW 300.0A	03/08/04	4069340
			Dilution Factor: 1						
			Analysis Time..: 22:43						
Free Cyanide (4500-CN-I)			WO#: GAQ0N1CR-MS/GAQ0N1CT-MSD				MS Lot-Sample #: D4C050375-001		
	ND	0.100	0.0961	mg/L	96		SM18 4500-CN-	03/16/04	4077305
	ND	0.100	0.0926	mg/L	93	3.7	SM18 4500-CN-	03/16/04	4077305
			Dilution Factor: 1						
			Analysis Time..: 15:00						
Hardness, as CaCO3			WO#: F94V51AC-MS/F94V51AD-MSD				MS Lot-Sample #: D4B240257-001		
	670	1000	1670	mg/L	100		MCAWW 130.2	03/16/04	4076518
	670	1000	1670	mg/L	101	0.41	MCAWW 130.2	03/16/04	4076518
			Dilution Factor: 1						
			Analysis Time..: 12:00						
Sulfate			WO#: GAR351CU-MS/GAR351CV-MSD				MS Lot-Sample #: D4C060201-001		
	3.8	125	136	mg/L	106		MCAWW 300.0A	03/08/04	4069339
	3.8	125	136	mg/L	106	0.07	MCAWW 300.0A	03/08/04	4069339
			Dilution Factor: 1						
			Analysis Time..: 22:43						

(Continued on next page)

MATRIX SPIKE SAMPLE DATA REPORT

General Chemistry

Client Lot #...: D4C060201 **Matrix.....:** WATER
Date Sampled...: 01/19/04 11:35 **Date Received..:** 02/24/04

PARAMETER	SAMPLE AMOUNT	SPIKE AMT	MEASRD AMOUNT	UNITS	PERCNT RECVRY	RPD	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Organic Halogens			WO#: GCAMD1AC-MS/GCAMD1AD-MSD				MS Lot-Sample #: D4C160130-001		
	20	100	105	ug/L	85		SW846 9020B	03/24/04	4085458
	20	100	103	ug/L	83	1.9	SW846 9020B	03/24/04	4085458
			Dilution Factor: 1						
			Analysis Time..: 12:00						
Total Organic Carbon			WO#: GAV521AH-MS/GAV521AJ-MSD				MS Lot-Sample #: D4C090118-001		
	3.0	25.0	29.1	mg/L	104		MCAWW 415.1	03/15/04	4076452
	3.0	25.0	29.1	mg/L	104	0.06	MCAWW 415.1	03/15/04	4076452
			Dilution Factor: 1						
			Analysis Time..: 18:00						
Total Sulfide			WO#: GAQ0N1CP-MS/GAQ0N1CQ-MSD				MS Lot-Sample #: D4C050375-001		
	ND	0.552	0.275 N	mg/L	50		MCAWW 376.2	03/08/04	4068647
	ND	0.552	0.306 *	mg/L	55	11	MCAWW 376.2	03/08/04	4068647
			Dilution Factor: 1						
			Analysis Time..: 16:30						

NOTE(S):

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

I Estimated result. Result concentration exceeds the calibration range.

N Spiked analyte recovery is outside stated control limits.

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

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: D4C060201 **Work Order #...:** GAW4Q-SMP GAW4Q-DUP **Matrix.....:** WATER

Date Sampled...: 03/08/04 12:36 **Date Received..:** 03/09/04

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Dissolved Solids						SD Lot-Sample #:	D4C090276-001	
	520	530	mg/L	2.7	(0-20)	MCAWW 160.1	03/11/04	4071431

Dilution Factor: 1 Analysis Time..: 14:00

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: D4C060201 **Work Order #...:** GAR35-SMP GAR35-DUP **Matrix.....:** WATER

Date Sampled...: 03/05/04 14:40 **Date Received..:** 03/06/04

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Total Alkalinity						SD Lot-Sample #:	D4C060201-001	
	5400 J	5400	mg/L	0.37	(0-10)	MCAWW 310.1	03/15/04	4075627

Dilution Factor: 1 Analysis Time..: 16:30

NOTE(S):

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

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

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: D4C060201 **Work Order #...:** F97X6-SMP F97X6-DUP **Matrix.....:** WATER

Date Sampled...: 02/26/04 08:00 **Date Received..:** 02/26/04

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Specific Conductance						SD Lot-Sample #:	D4B260128-001	
	270	270	umhos/cm	0.37	(0-7.0)	MCAWW 120.1	03/15/04	4075639

Dilution Factor: 1 Analysis Time..: 15:00

[redacted]

Chain of Custody Record

STL Denver
4955 Yarrow Street
Arvada, CO 80002

3.6 oz
9.0°C
DB
3/6/04

SEVERN TRENT SERVICES

Severn Trent Laboratories, Inc.

STL-4124 (1200) DEN (0900)

Client: SCS-ENG c/o WASTE MGMT	Project Manager: TINA SCHMIEDING	Date: 3/5/04	Chain of Custody Number: 091585
Address: 3711 LONG BEACH BLVD 9TH FL	Telephone Number (Area Code)/Fax Number: 800 326 9544	Lab Number	Page 1 of 1
City: LONG BEACH; State: CA; Zip Code: 90807	Site Contact: BRUCE M	Lab Contact: BETSY F	
Project Name and Location (State): BRADLEY LF	Carrier/Waybill Number		
Contract/Purchase Order/Quote No.: 234-25662-A			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Air	Aqueous	Sed.	Soil		Unpres.	H2SO4	HNOS	HCl	NaOH	ZnAc/NaOH		Cond.	Chloride	Fluoride	Cyanide	Hardness	TOC	TDS	Alk	Metals Tot	Free Cl.	BOD	VOA	BNA	TOC
NEW SUMP E	3/5/04	1440		X				3	4	1	3	1	1		X	X	X	X	X	X	X	X	X	X	X	X	X	X
OLD SUMP E	3/5/04	1640		X				3	4	1	3	1	1		X	X	X	X	X	X	X	X	X	X	X	X	X	X
TRIP BLANK	3/5/04	1740		X							1															X		

Special Instructions/Conditions of Receipt

Possible Hazard Identification: ☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal: ☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 3 months)

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By	3/5/04	1750	1. Received By	3/6/04	0830
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments

DISTRIBUTION: WHITE - Stays with the Sample; CANARY - Returned to Client with Report; PINK - Field Copy

APPENDIX F

DUMPStat Analysis

SEVERN TRENT STL

STL Buffalo
10 Hazelwood Drive, Suite 106
Amherst, NY 14228

Tel: 716 691 2600 Fax: 716 691 7991
www.stl-inc.com

April 6, 2004

Mr. Ken Lister
SCS Engineers
3711 Long Beach Blvd.
9th Floor
Long Beach, California 90807

RE: DUMPStat Analysis

Dear Mr. Lister;

Please find enclosed results concerning DUMPStat analysis of the data recently submitted to Severn Trent Laboratories. The pertinent information regarding these analyses are listed below:

Quote: NY95-481
Site Name: Bradley Landfill
Project Name: Groundwater Detection
Matrix: Groundwater
Sample Date: January-February-March 2004
Analysis Date: April 6, 2004
Prepared by: Mr. Philip Kinecki

If you have any questions concerning this statistical analysis, please contact me at (716) 691-2600, extension 3032. It has been our pleasure to provide Waste Management, Inc. with statistical services. We look forward to serving you in the future.

Sincerely,
Severn Trent Laboratories

Phil Kinecki
DUMPStat Report Writer

Project #: STL Denver

SEVERN TRENT STL

DUMPStat Results
Prepared for

WASTE MANAGEMENT

Bradley Landfill
9227 Tujunga Ave.
Sun Valley, CA 91352

Prepared by

Severn Trent Laboratories
10 Hazelwood Drive
Suite 106
Amherst, New York 14228

Methodology:

Analyses were performed using DUMPStat Version 2.1.8, Copyright 1994-2003 Robert D. Gibbons Ltd. and Discerning Systems Inc.

Type of Analysis:

Time Series (WQPS.zon):

Results for selected Downgradient Wells and constituents are compared to Water Quality Protection Standards.

Up vs. Down (Inter-well)Prediction Limits:

(bbu2d1.zon): Up vs. Down (Inter-well) Prediction Limit and Statistical Power Analyses are performed on selected downgradient wells.
(bbu2d2.zon): Up vs. Down (Inter-well) Prediction Limit and Statistical Power Analyses are performed on selected wells.

VOC Detection and Time Series (voc3.zon):

VOC detection is performed and constituents with current or past detections are plotted in Time Series graphs.

Constituents Analyzed (15):

Alkalinity -bicarbonate, BOD, Calcium-d, Chemical Oxygen Demand (COD), Chloride, Fluoride, Iron-d, Magnesium-d, Nitrate-nitrite, Sodium-d, Specific Conductance, Sulfate, Total Dissolved Solids, Total Organic Carbon, Total Organic Halogen.

SEVERN TRENT STL

BRADLEY Landfill
WQPS Analysis
Sample Event – January-February-March-2004

Zone: WQPS	Analysis: Time Series Comparison to Water Quality Protection Standards
Down-gradient Wells Selected:	4916D, 4916F, 4916G, 4916H, 4916J, 4916L, 4926C

Water Quality Protection Standards

Constituent	WQPS	Units
Carbon Tetrachloride	0.5	ug/l
Chloride	100	mg/l
Sulfate	300	mg/l
Tetrachloroethene	5	ug/l
Total Dissolved Solids	800	mg/l
Total Organic Halogens (TOX)	0.5	mg/l
Trichloroethene	5	ug/l
Vinyl Chloride	0.5	ug/l

Summary of WQPS's Exceedances (Pgs# 1 – 7):

Well Name	Constituent	Page	Graph
4916F	Vinyl Chloride	6	51
4916H	Vinyl Chloride	6	53
4916J	Vinyl Chloride	6	54

SEVERN TRENT STL

Bradley Landfill / *DUMPStat Report- Program Settings*

STL site #: STL Denver
Report Date: 4-6-2004 Sample Event – January-February-March-2004

Table Viewer - [Site Settings]

File Navigate Window Help

Bradley LDF [voc]
Table 1

Statistical Options

Option	Setting
Sorting Order of Output	Order by Constituents
Verification Resampling Plan	Pass 2 of 2
Rare Event Statistics	Nonparametric
Background Samples (Minimum)	10
Control Chart Factor (< 12 samples)	4.5
Control Chart Factor (>= 12 samples)	4
Begin CUSUM calculation	After Background
Confidence Limit Shown on Graphs	Upper Confidence Limit
Confidence Limits are based on up to the last	4 samples
Identify Historical Trends	Off
Automatically Screen for Outliers in Background Data	If > 25% detects
Enable Manual Outliers	On
Enable Manual Reporting Limits	Off
Average Dilutions on the same day	Off
Prediction Limit Alpha	Limit to .01

STATUS GUIDE - The Verification Resampling Plan Program Setting for this site is set at Pass 2 of 2. This means that after an Initial Exceedance, BOTH of the next 2 events must "PASS" =be below the limit line. If after the initial exceedance, either of the subsequent 2 data points "Fail", it is considered a Verified Exceedance. If both results PASS, then the status of that well /constituent combination returns to normal. I have created the status column in the summary tables to indicate the current standing.

STATUS	Meaning
Initial Exceedance	Result is above limit line, normal prior to this event,
1st subsequent – (Pass)	The 1st sample after the initial exceedance Passed Awaiting next result.
2nd subsequent - (Pass)	The 2nd sample after the initial exceedance Passed The Status returns to NORMAL
Verified Exceedance	After the Initial failure, 1 or both of the next 2 results failed.

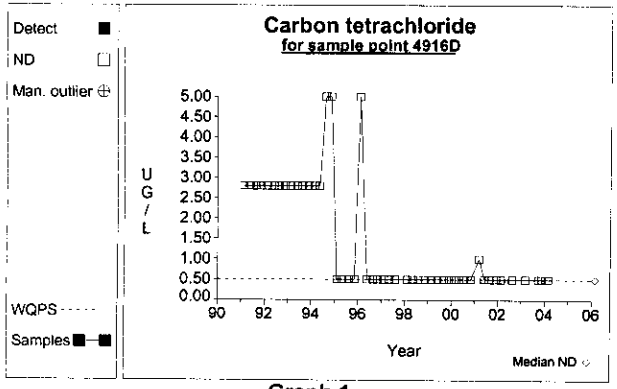
Current Background settings-

Only Inter-well analysis is being run at this time. All available Up-gradient data is pooled for background and used to calculate Prediction Limits.

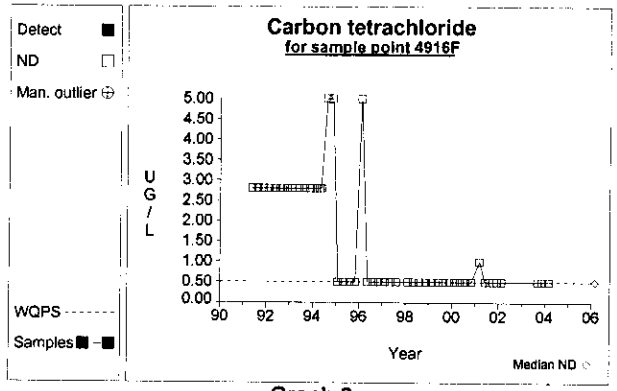
Program Operator: Philip Kinecki
(716) 691-2600, ext. 3032

Severn Trent Laboratories Inc. – Buffalo
pkinecki@stl-inc.com

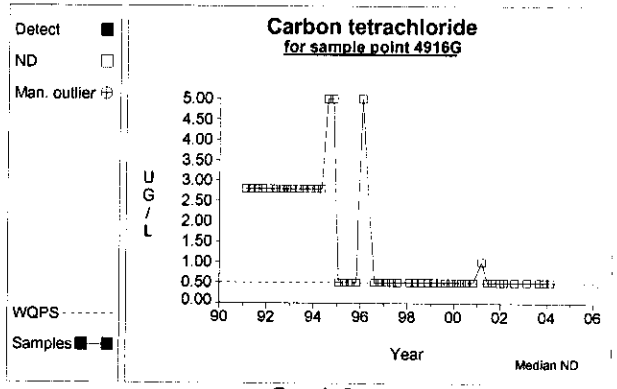
Time Series



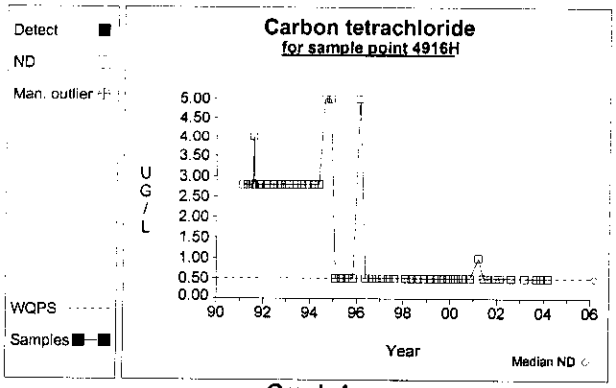
Graph 1



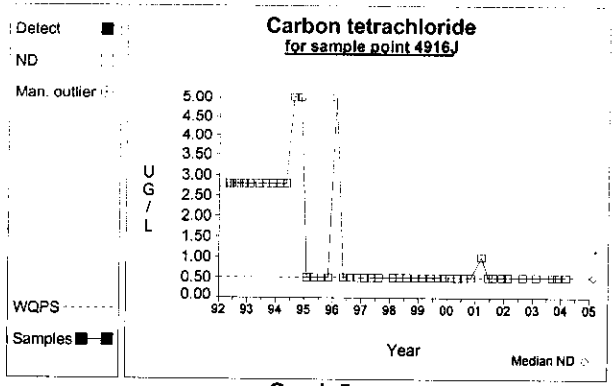
Graph 2



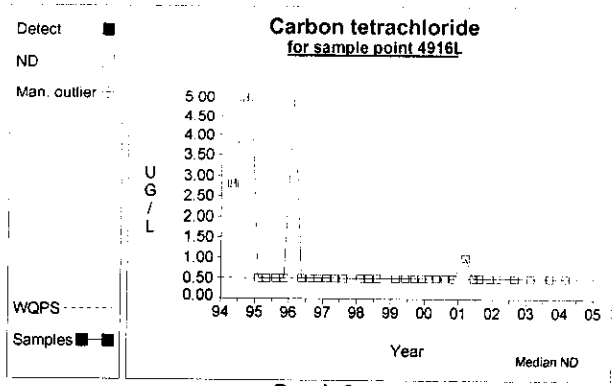
Graph 3



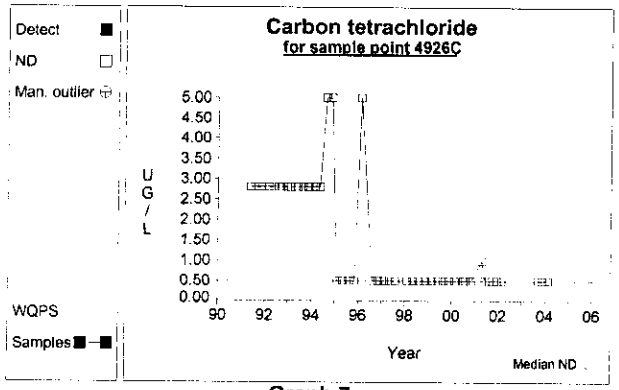
Graph 4



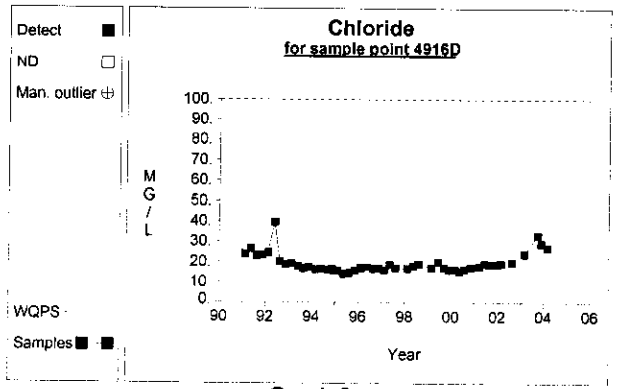
Graph 5



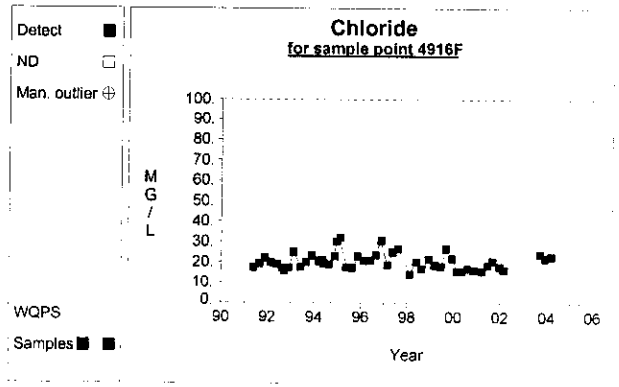
Graph 6



Graph 7



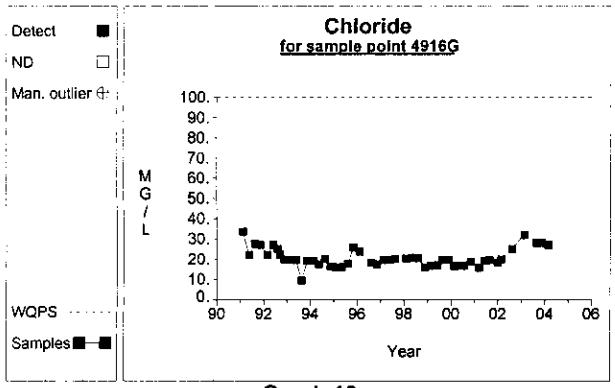
Graph 8



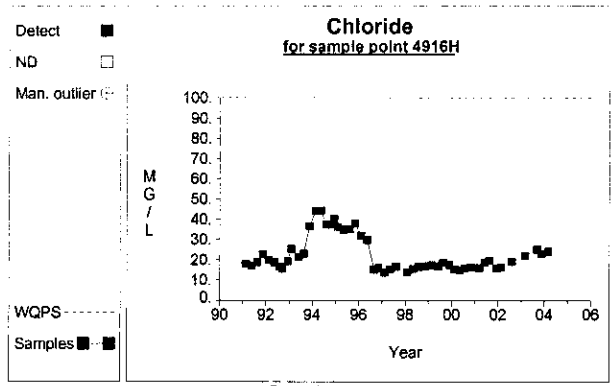
Graph 9

Prepared by: Severn Trent Laboratories

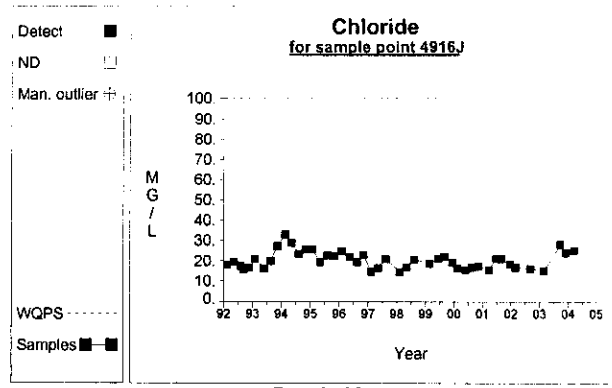
Time Series



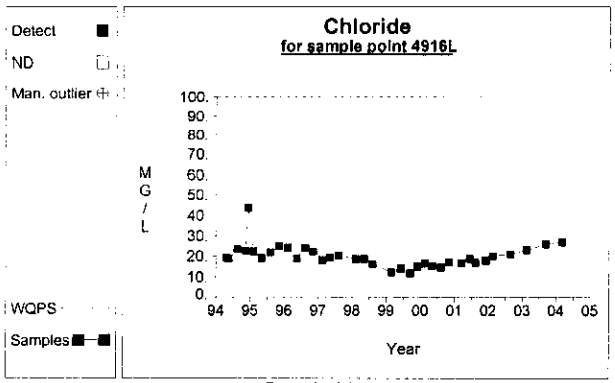
Graph 10



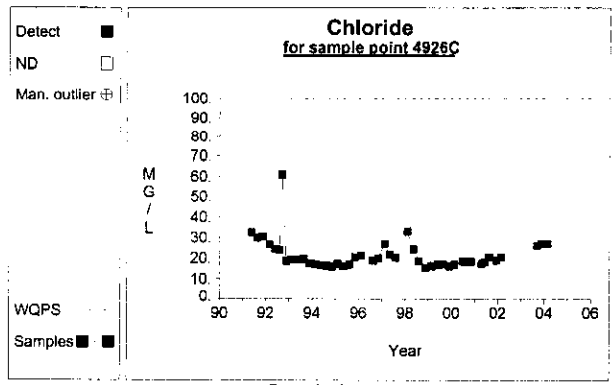
Graph 11



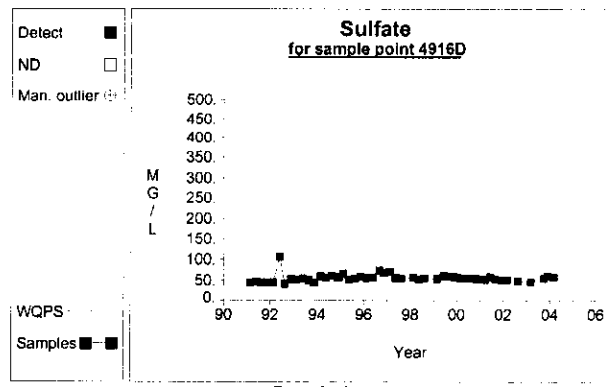
Graph 12



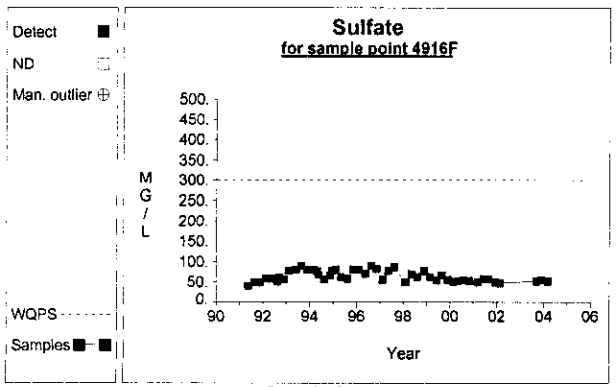
Graph 13



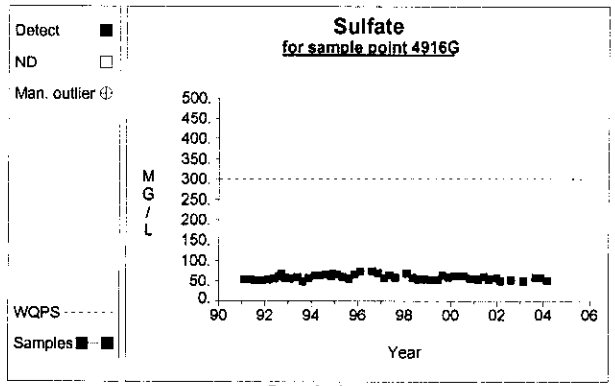
Graph 14



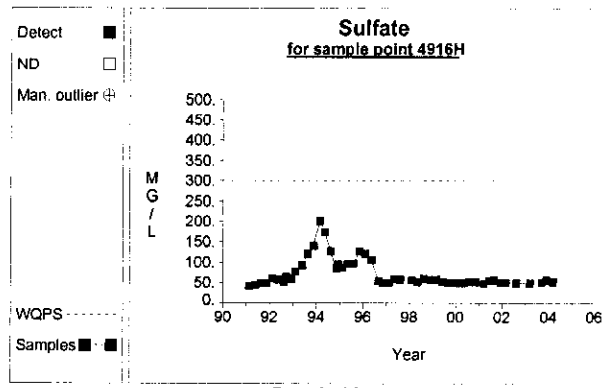
Graph 15



Graph 16

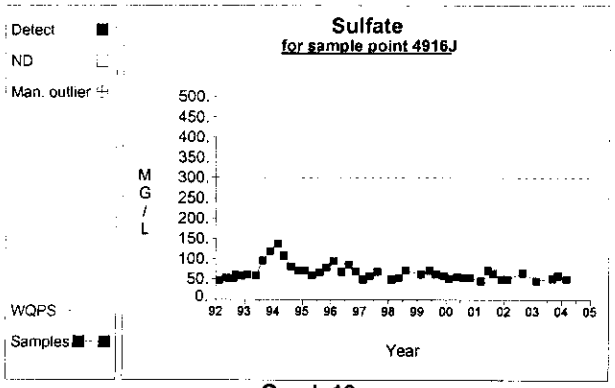


Graph 17

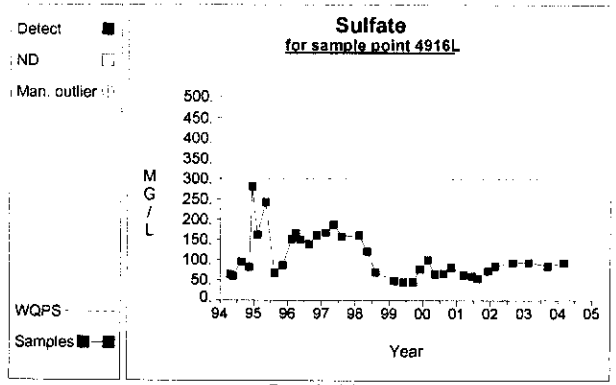


Graph 18

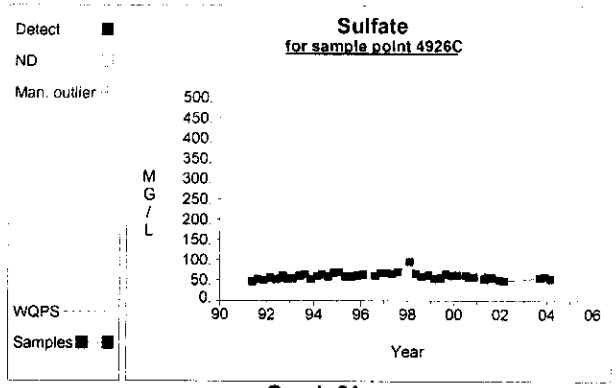
Time Series



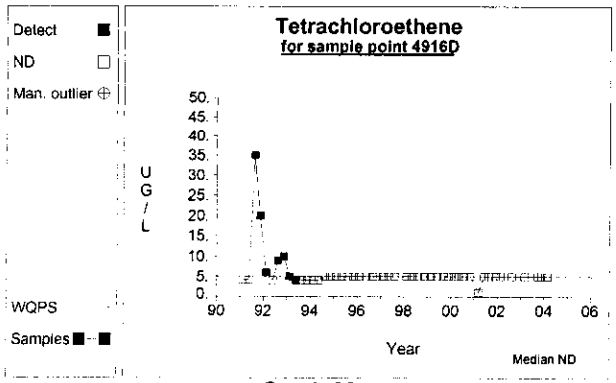
Graph 19



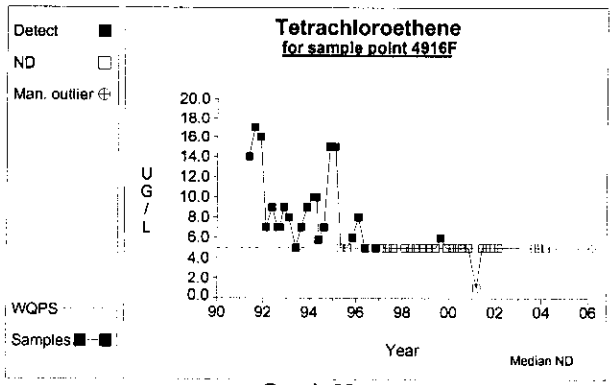
Graph 20



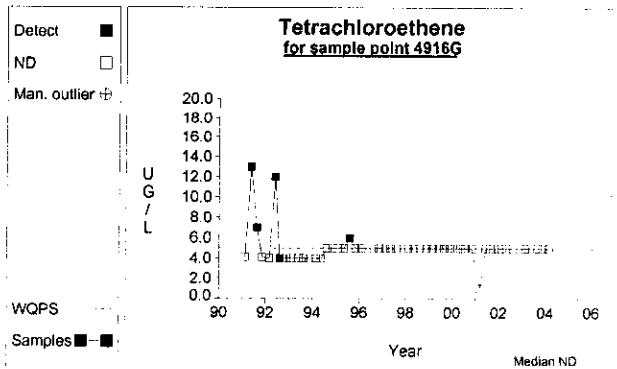
Graph 21



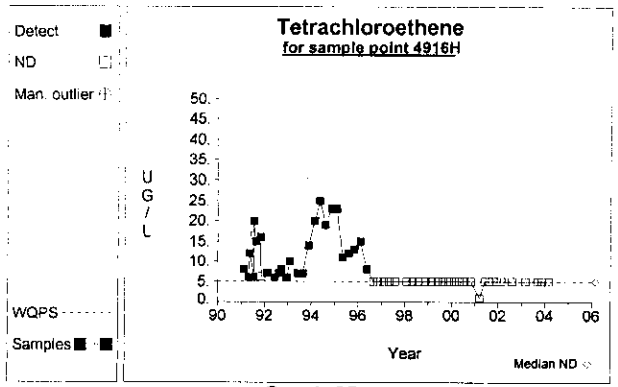
Graph 22



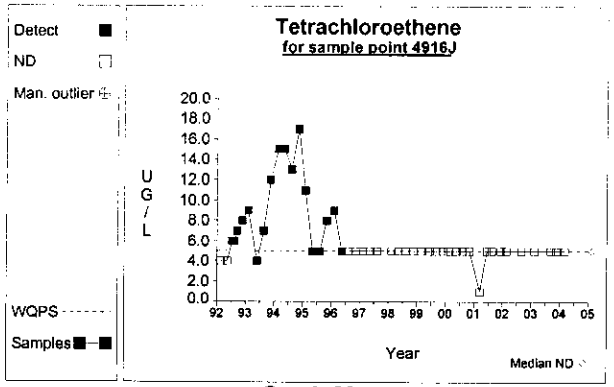
Graph 23



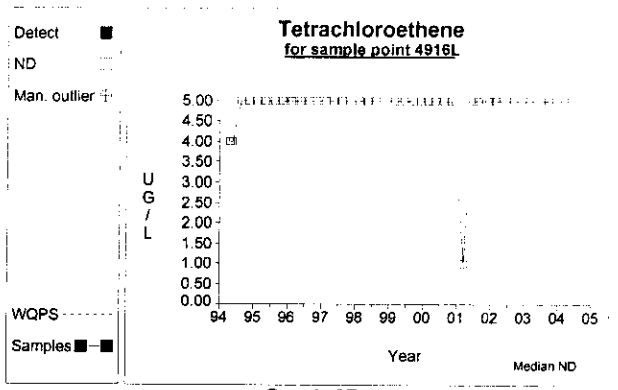
Graph 24



Graph 25

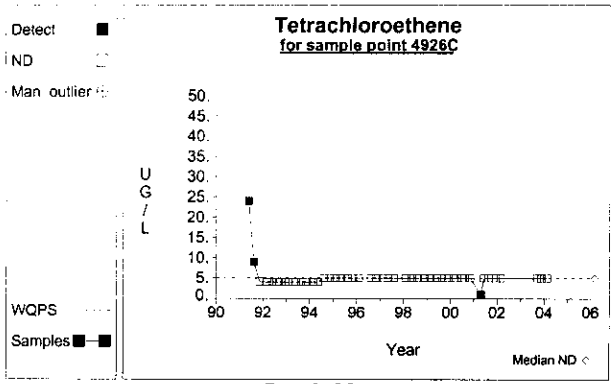


Graph 26

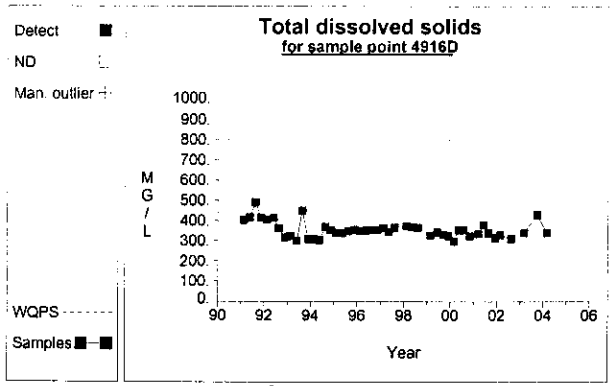


Graph 27

Time Series



Graph 28



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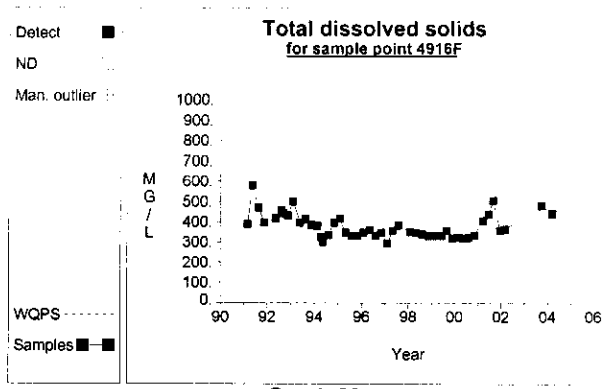

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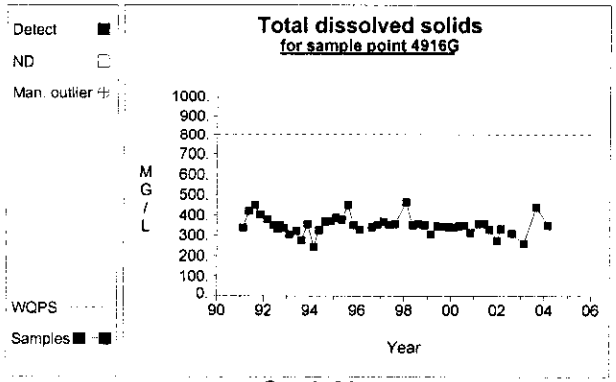
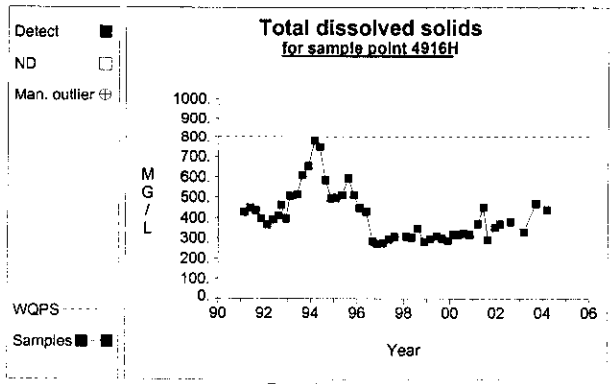
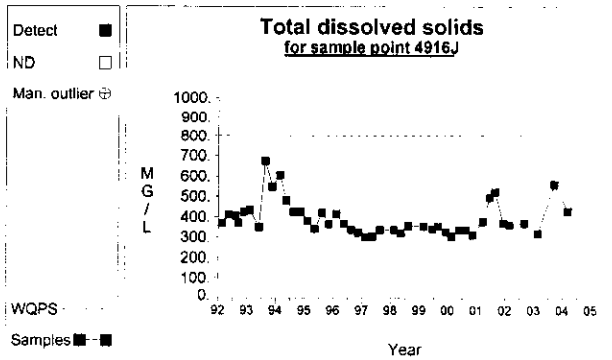


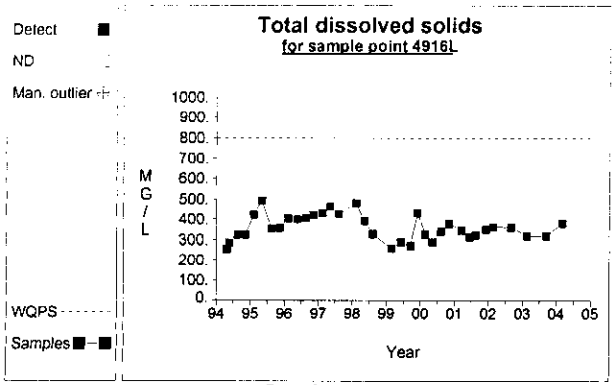
Graph 31



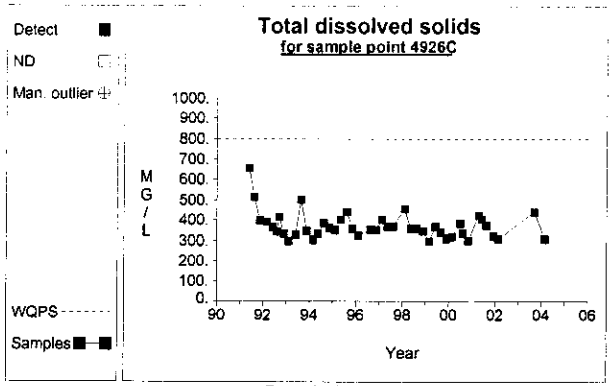
Graph 32



Graph 33



Graph 34



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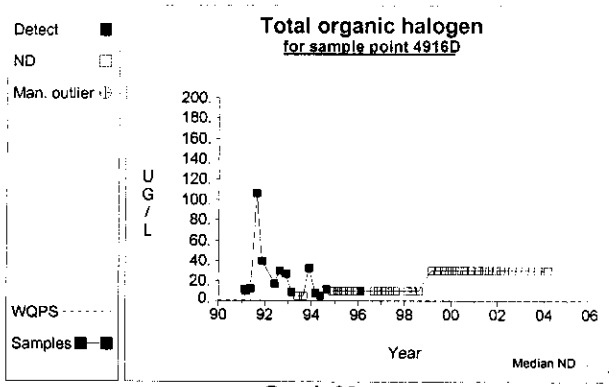
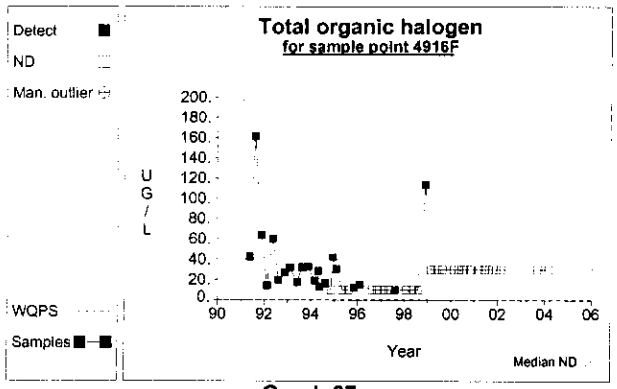
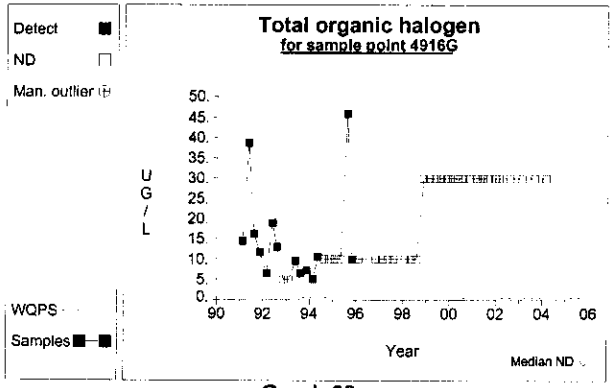


Graph 36

Time Series



Graph 37



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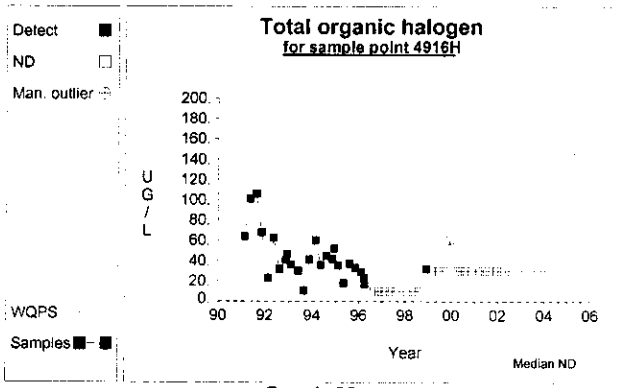

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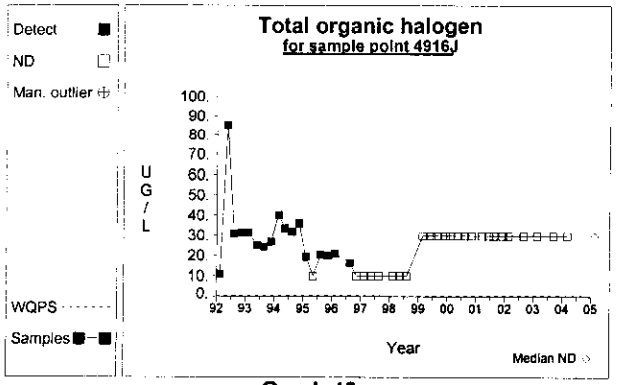

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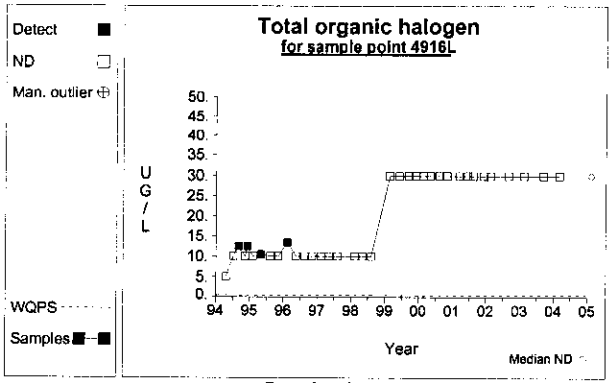
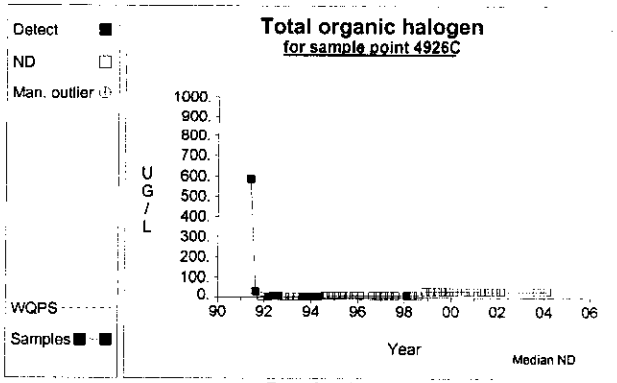


Graph 41



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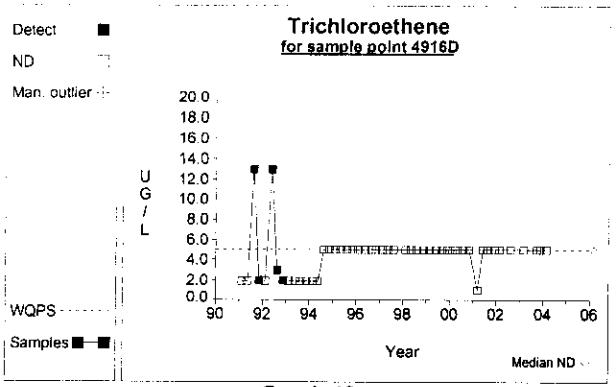

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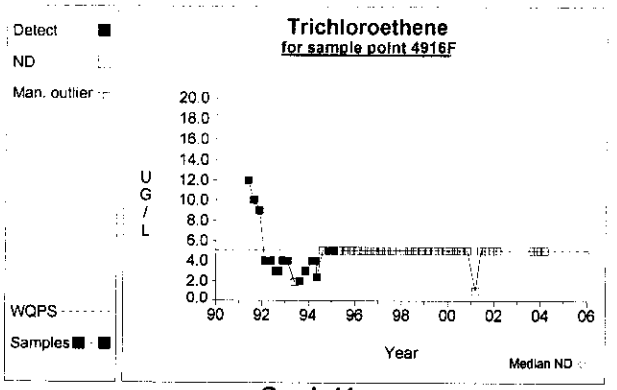

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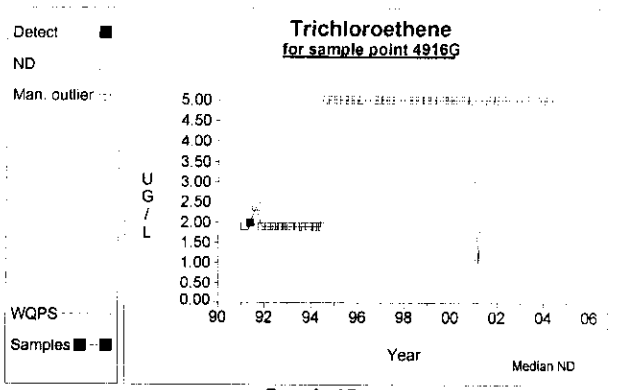
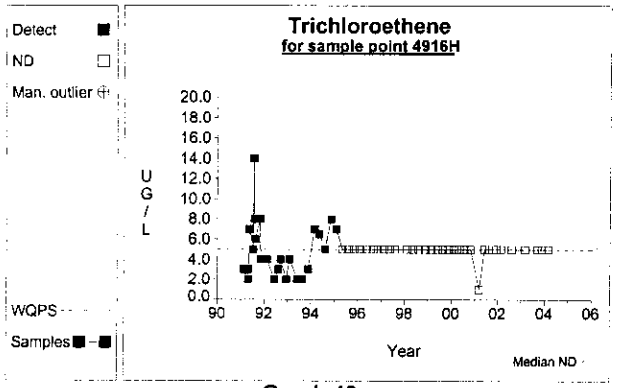
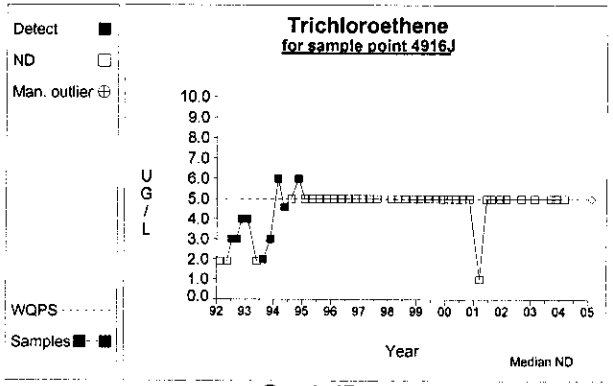


Graph 45

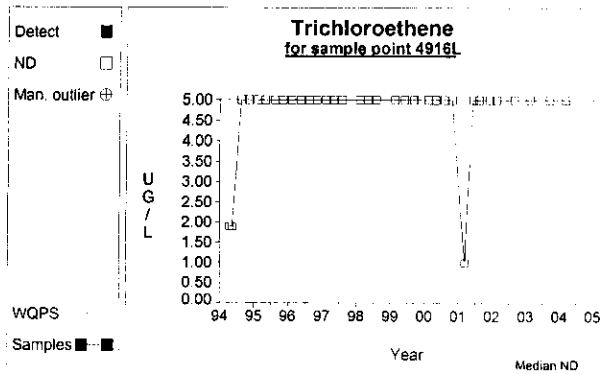
Time Series



Graph 46



Graph 47



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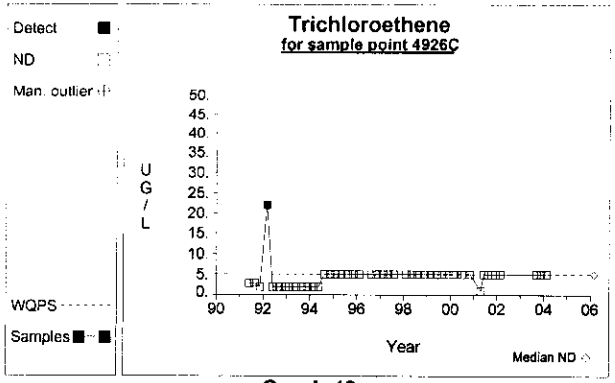
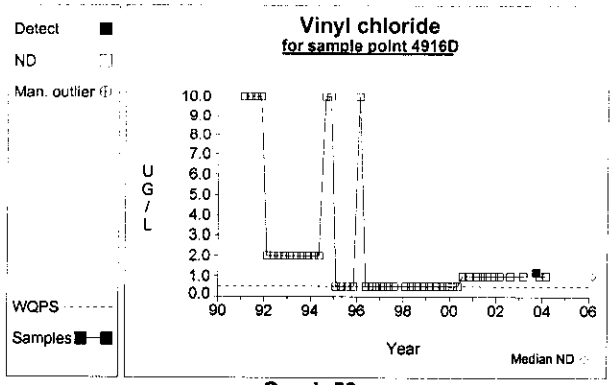
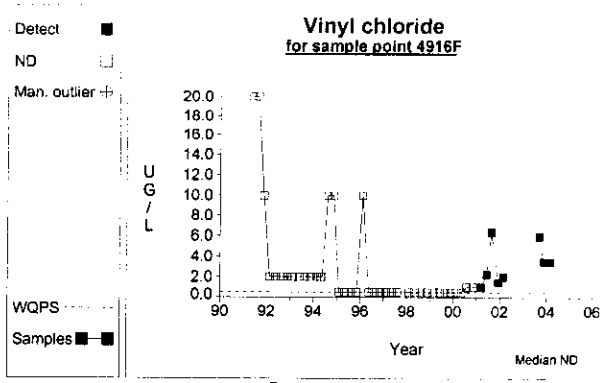


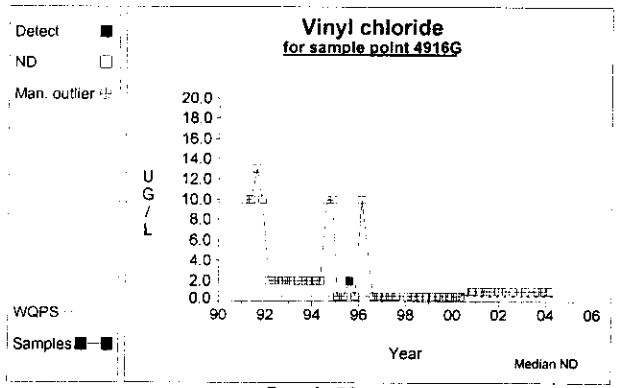
Graph 49



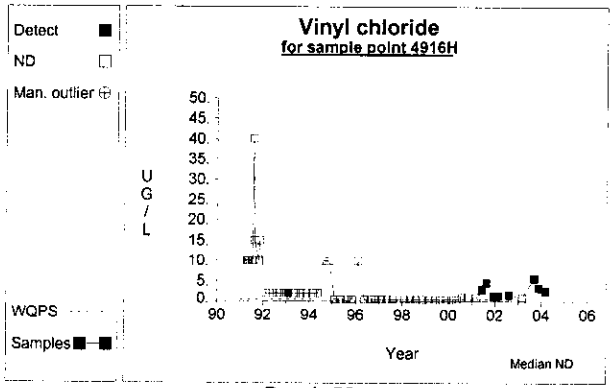
Graph 50



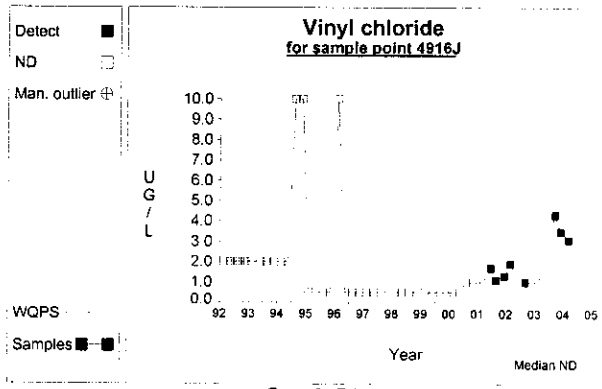
Graph 51



Graph 52

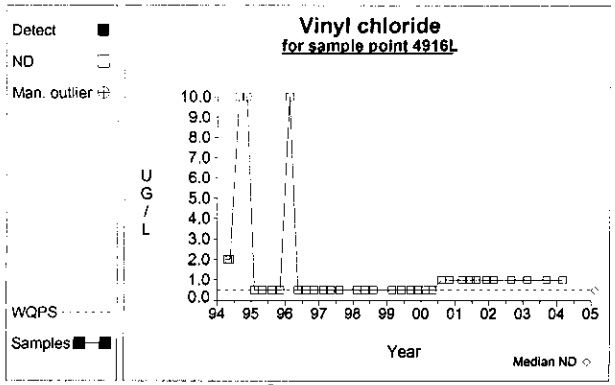


Graph 53

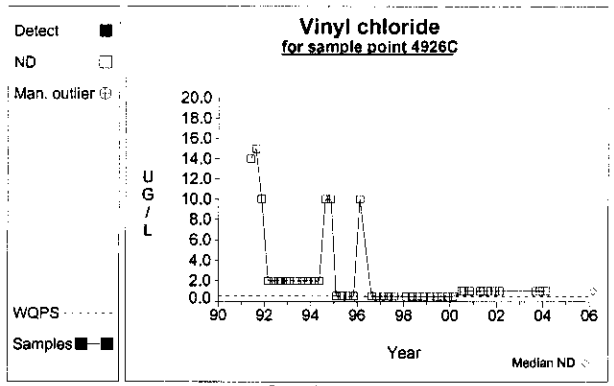


Graph 54

Time Series

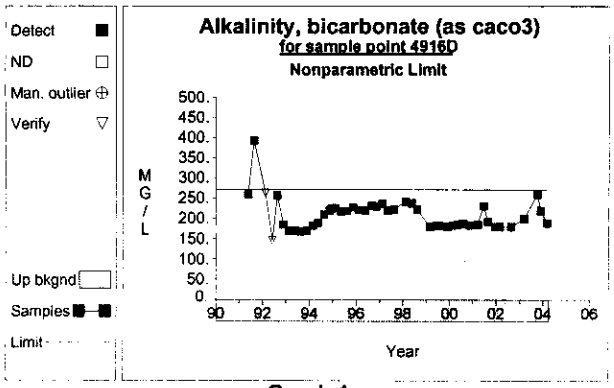


Graph 55

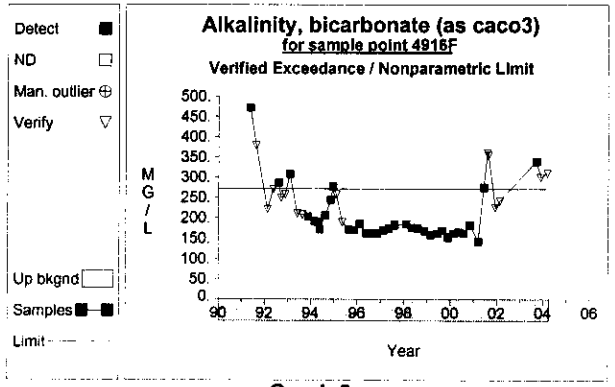


Graph 56

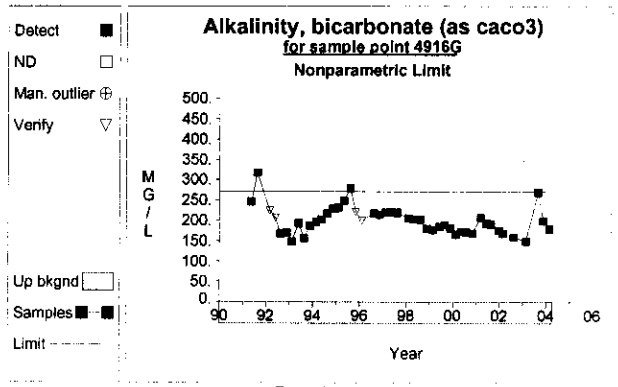
Up vs. Down Prediction Limits



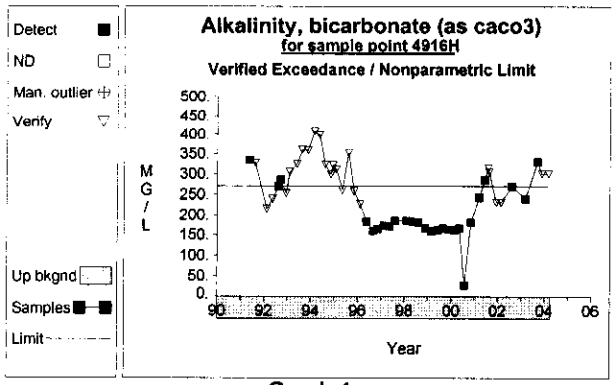
Graph 1



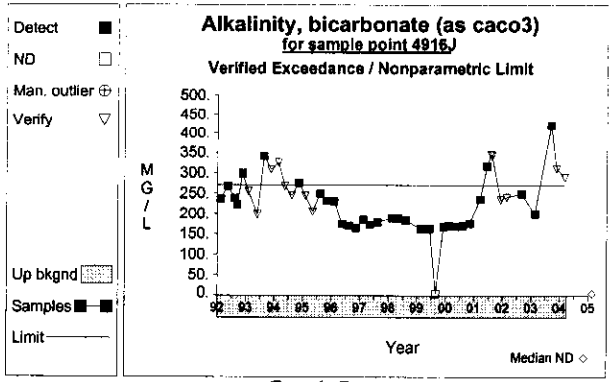
Graph 2



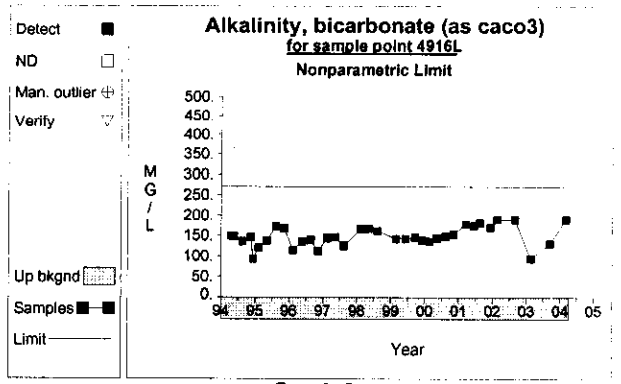
Graph 3



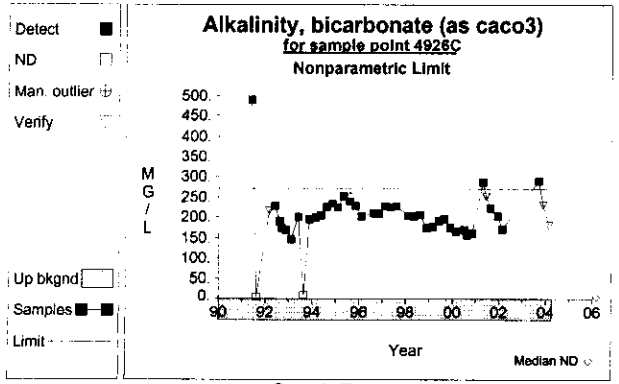
Graph 4



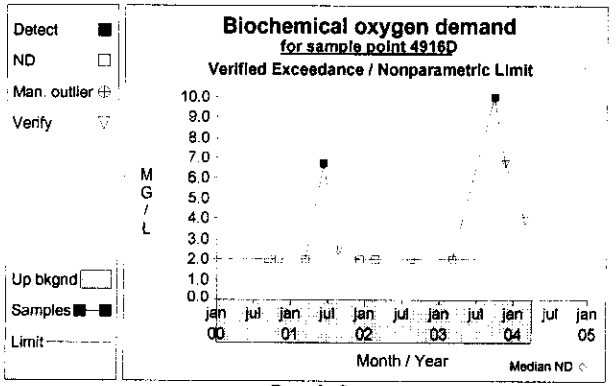
Graph 5



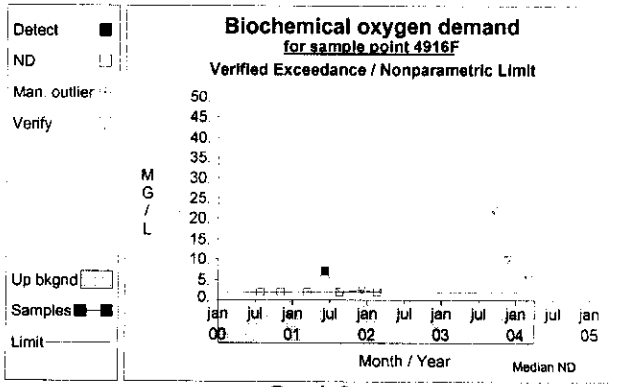
Graph 6



Graph 7



Graph 8

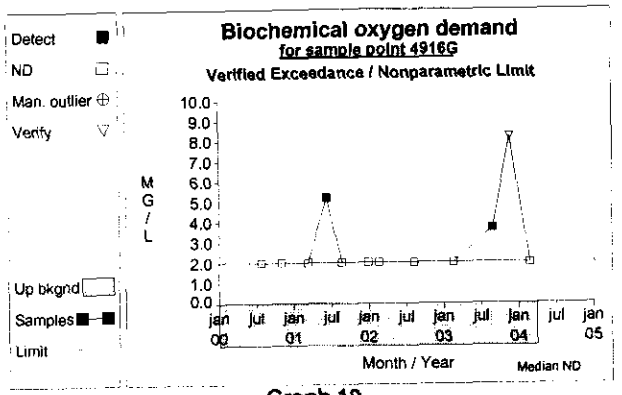


Graph 9

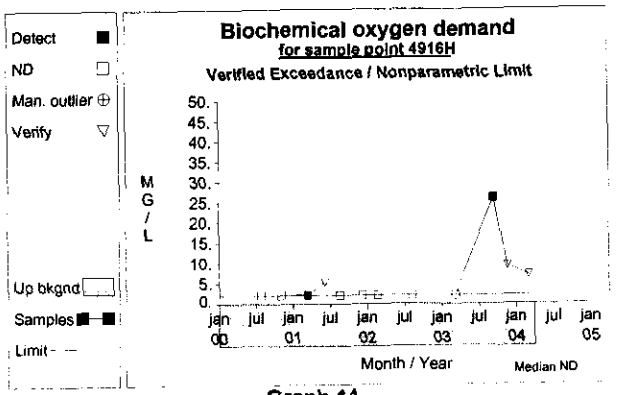
Bradley [bbu2d1]

Analysis prepared on: 4/22/2004

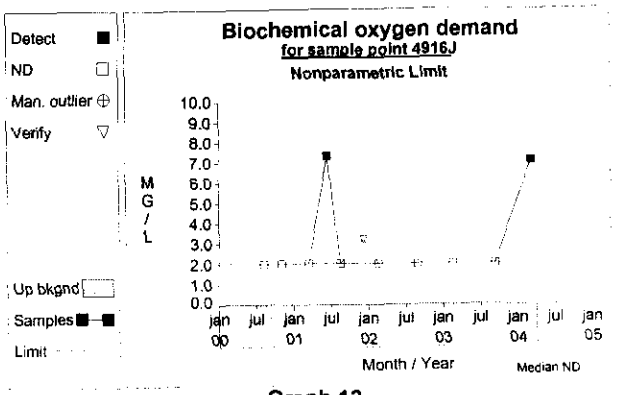
Up vs. Down Prediction Limits



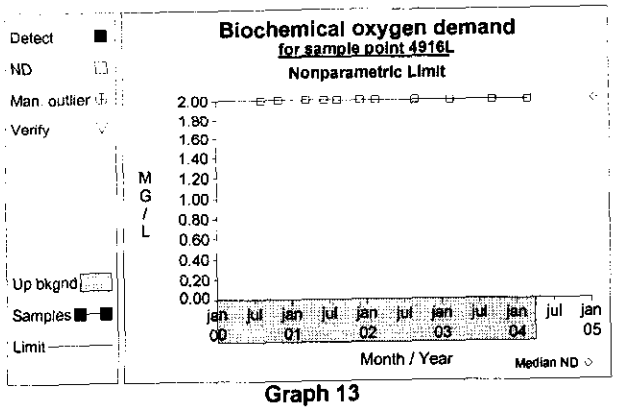
Graph 10



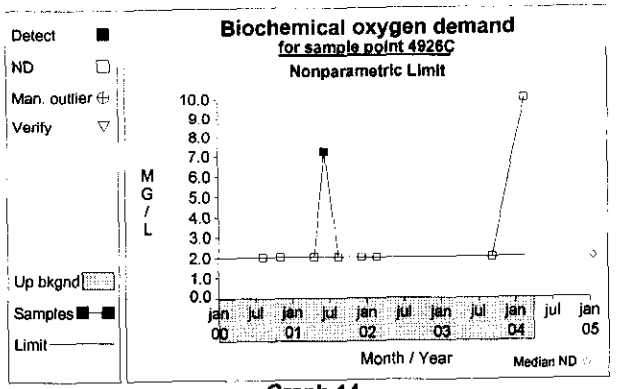
Graph 11



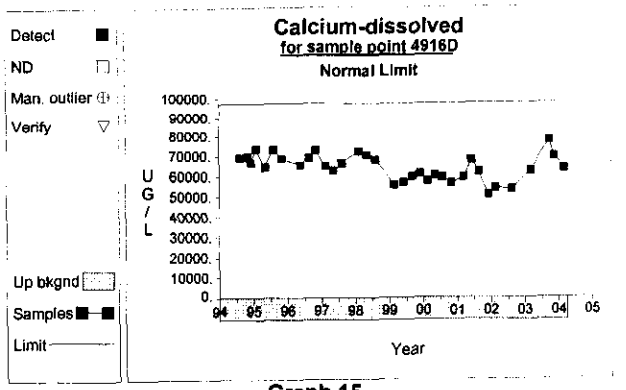
Graph 12



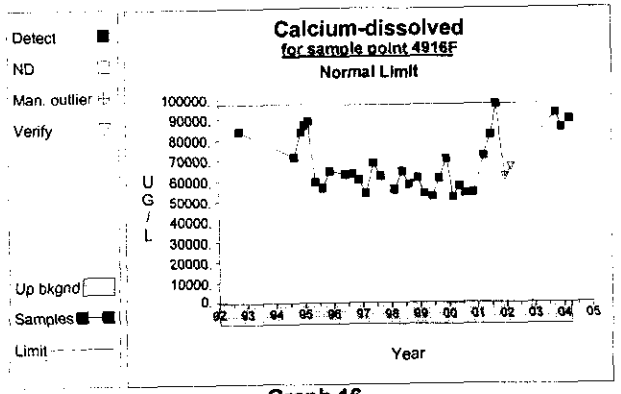
Graph 13



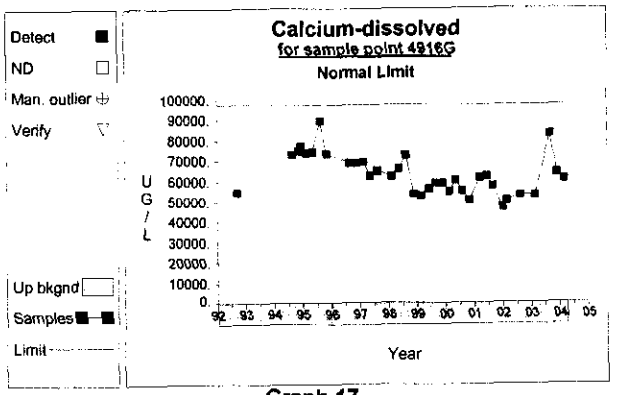
Graph 14



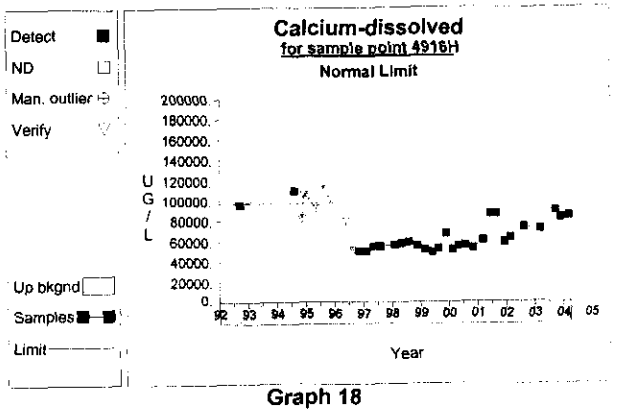
Graph 15



Graph 16



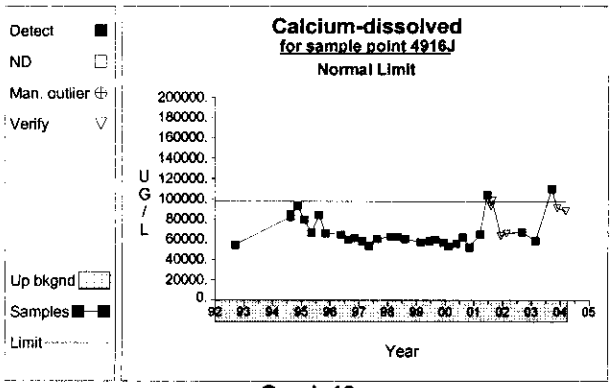
Graph 17



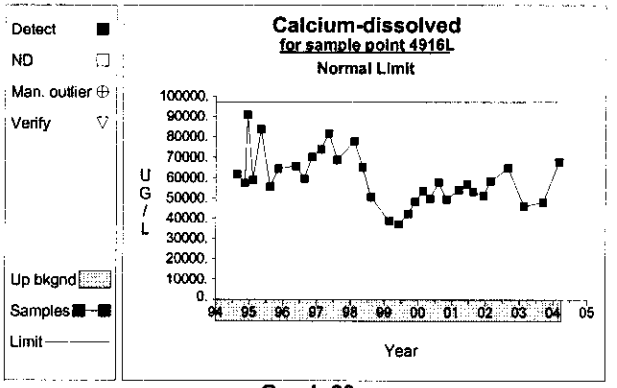
Graph 18

Prepared by: Severn Trent Laboratories

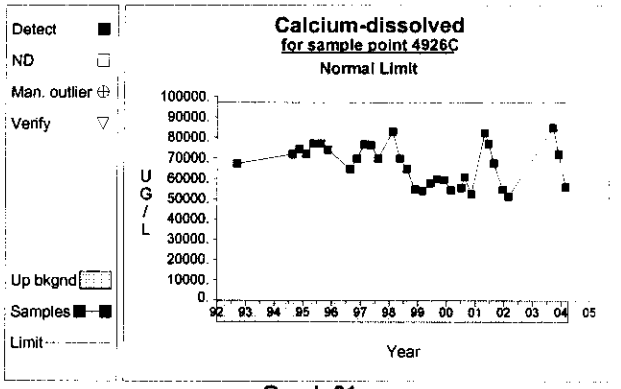
Up vs. Down Prediction Limits



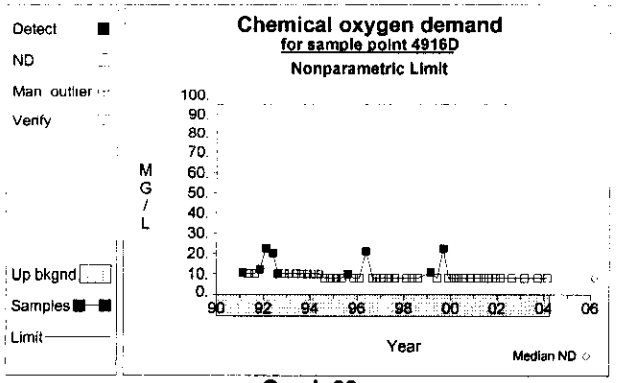
Graph 19



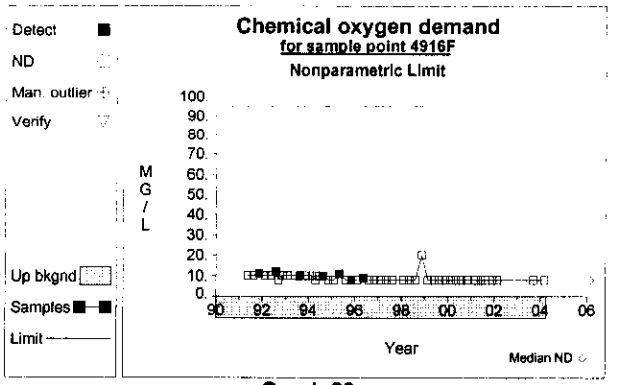
Graph 20



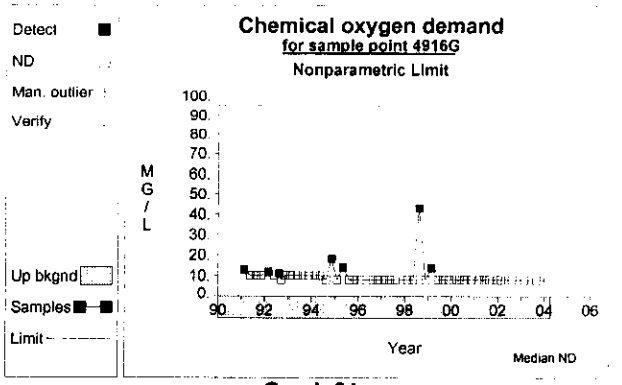
Graph 21



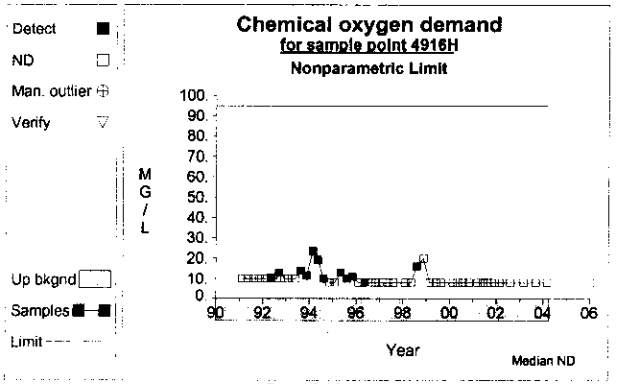
Graph 22



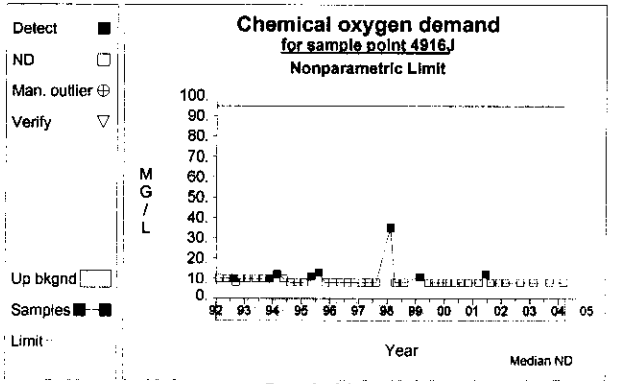
Graph 23



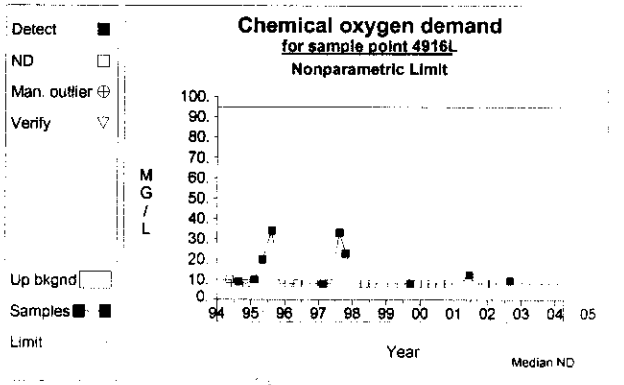
Graph 24



Graph 25

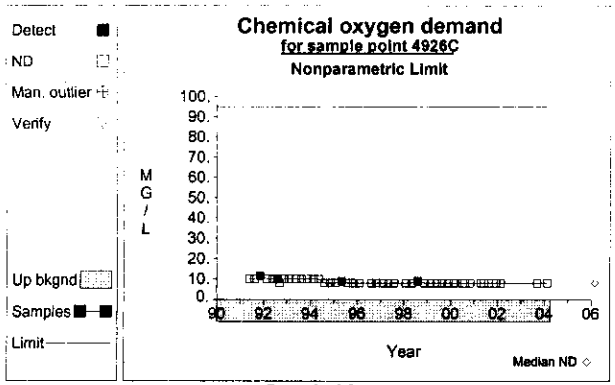


Graph 26

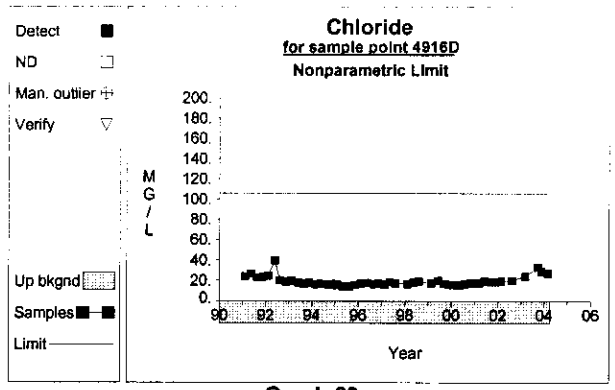


Graph 27

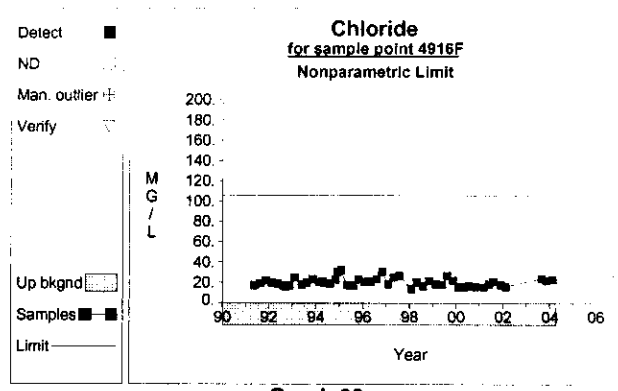
Up vs. Down Prediction Limits



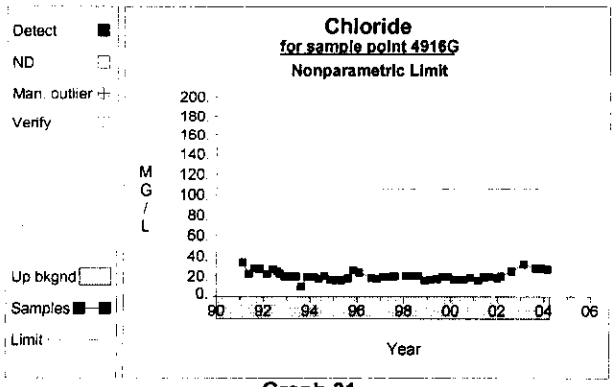
Graph 28



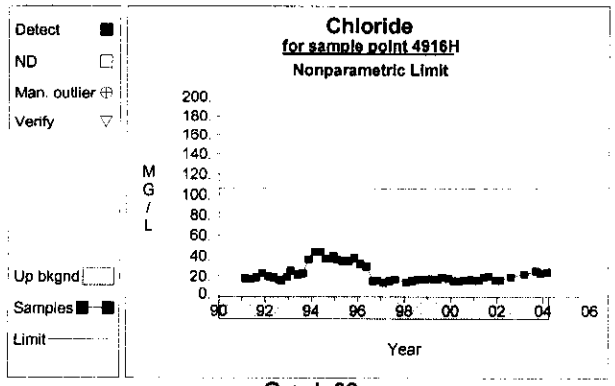
Graph 29



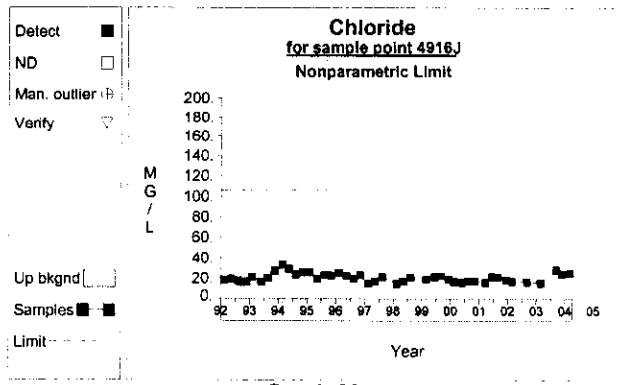
Graph 30



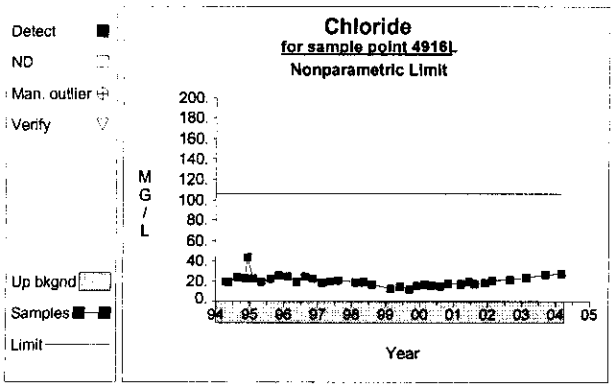
Graph 31



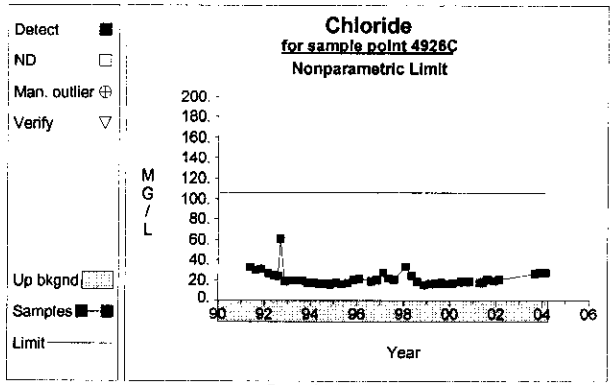
Graph 32



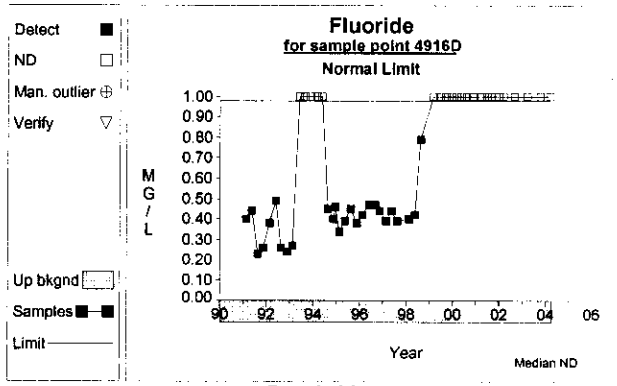
Graph 33



Graph 34

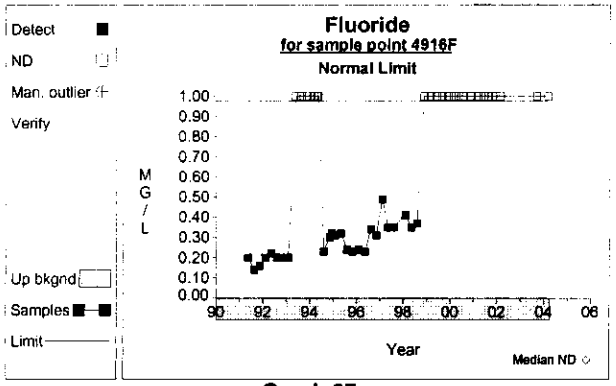


Graph 35

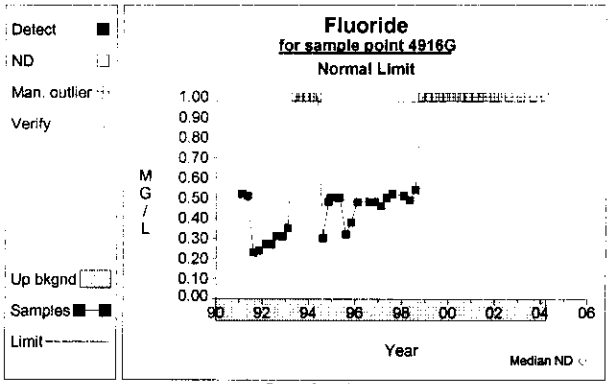


Graph 36

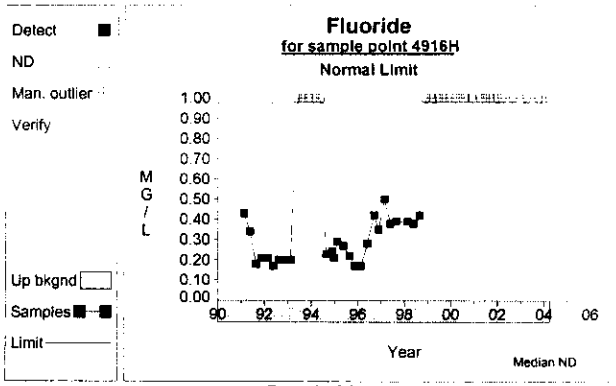
Up vs. Down Prediction Limits



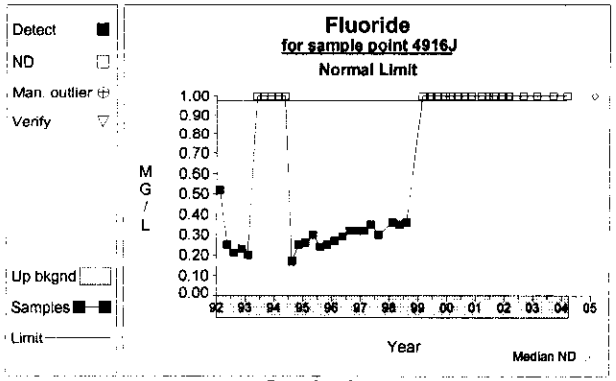
Graph 37



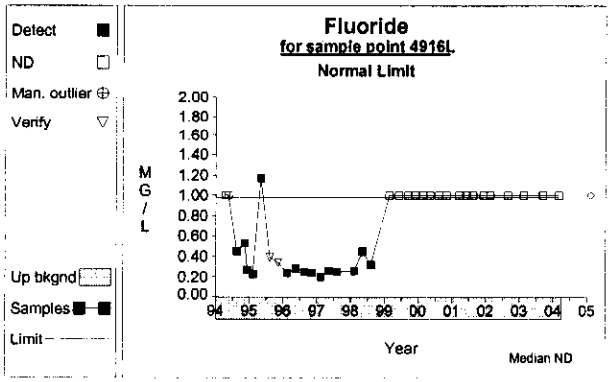
Graph 38



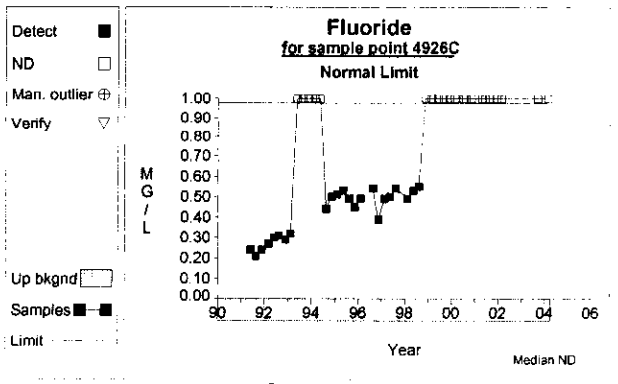
Graph 39



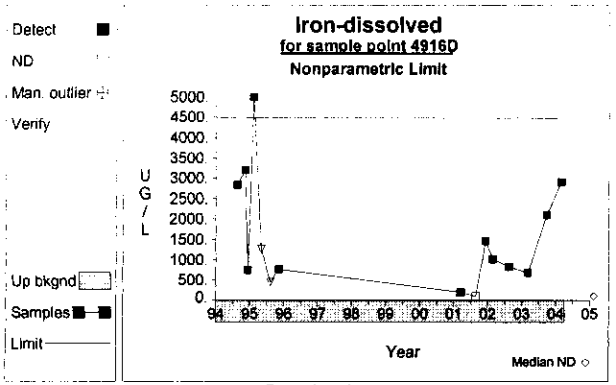
Graph 40



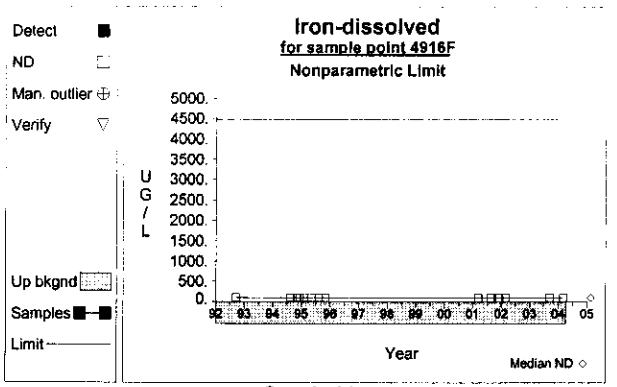
Graph 41



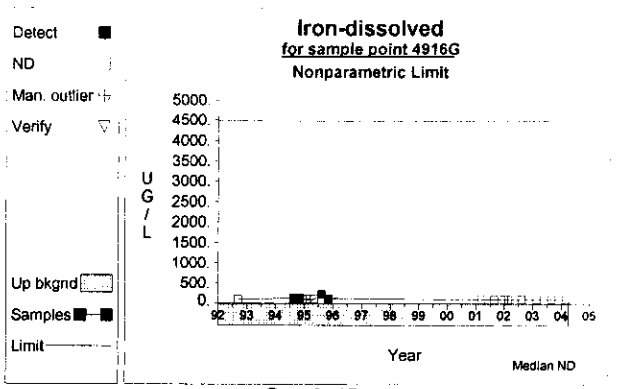
Graph 42



Graph 43

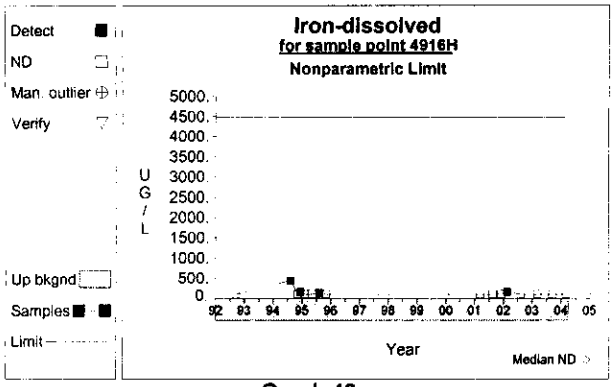


Graph 44

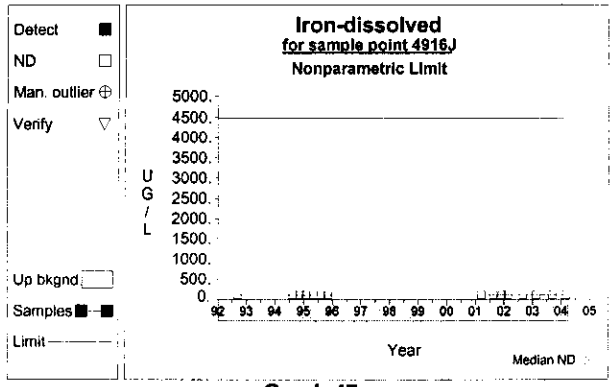


Graph 45

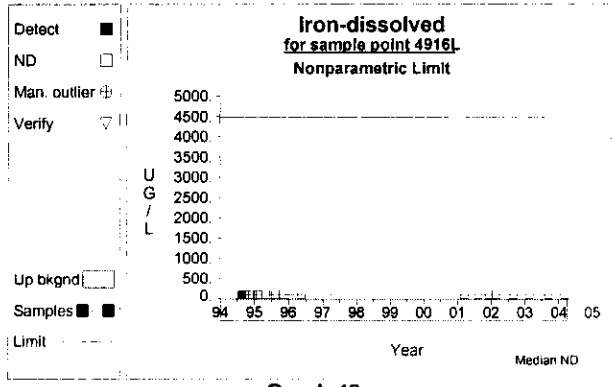
Up vs. Down Prediction Limits



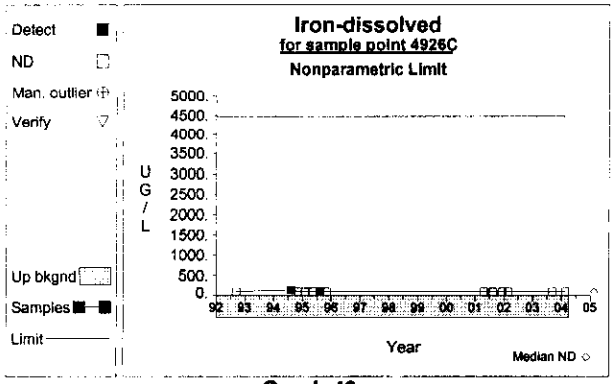
Graph 46



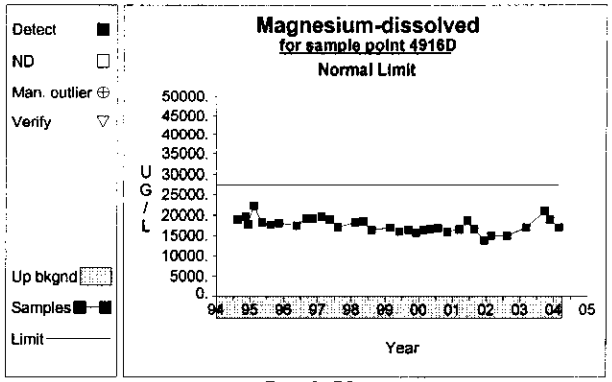
Graph 47



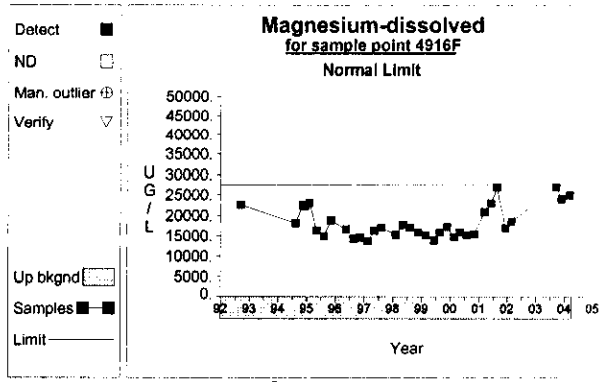
Graph 48



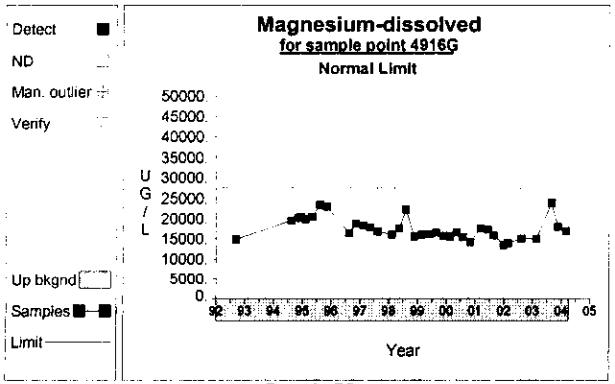
Graph 49



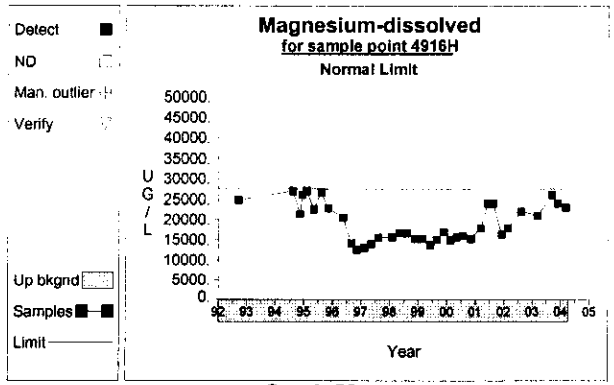
Graph 50



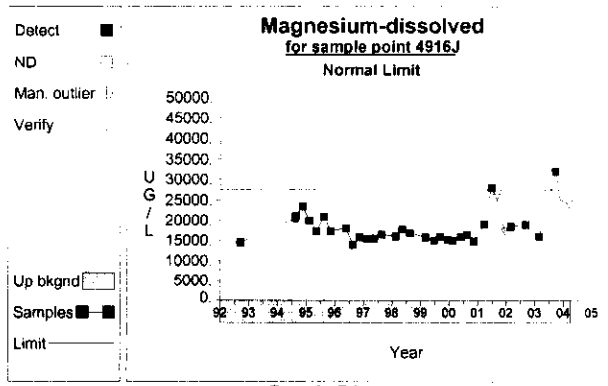
Graph 51



Graph 52

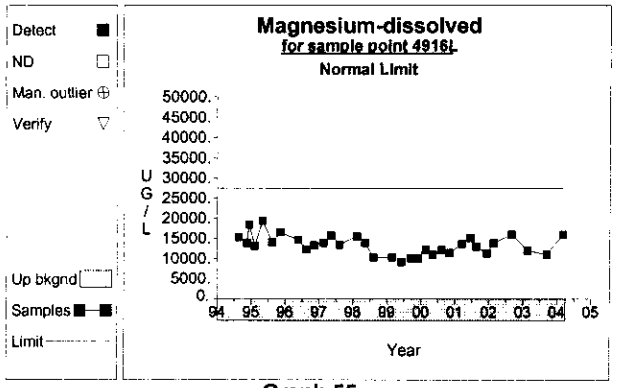


Graph 53

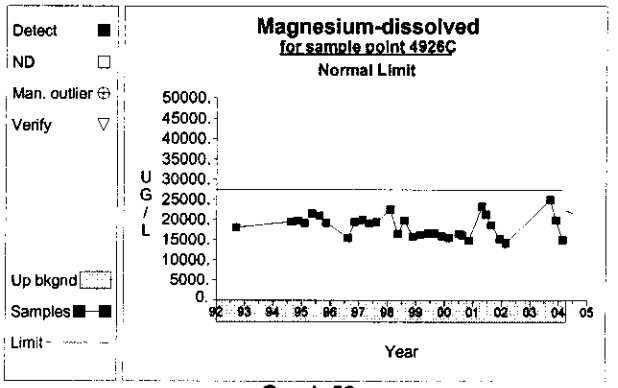


Graph 54

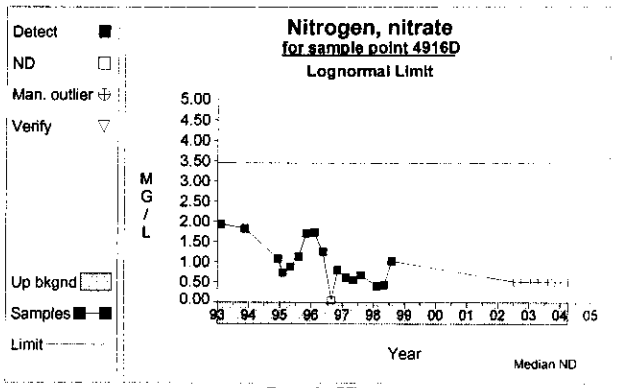
Up vs. Down Prediction Limits



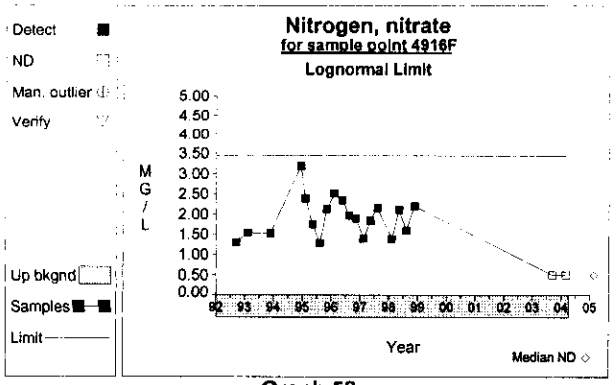
Graph 55



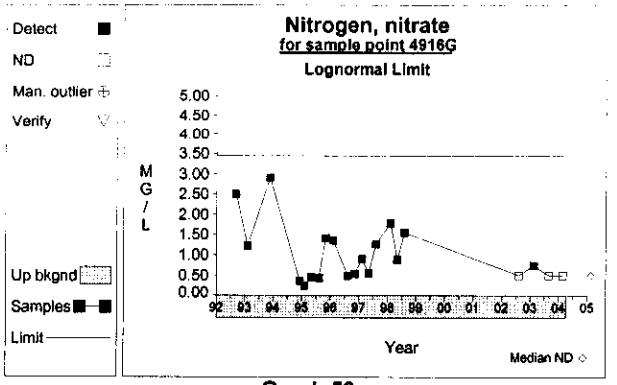
Graph 56



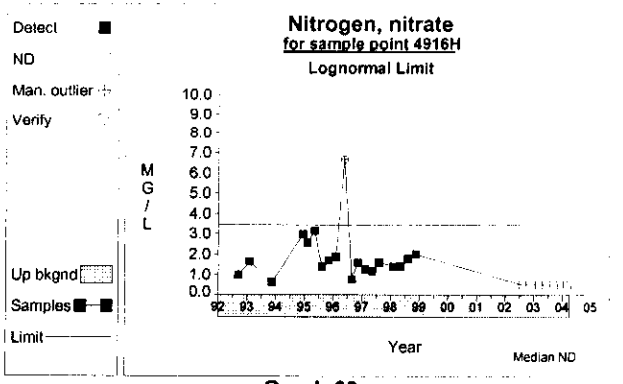
Graph 57



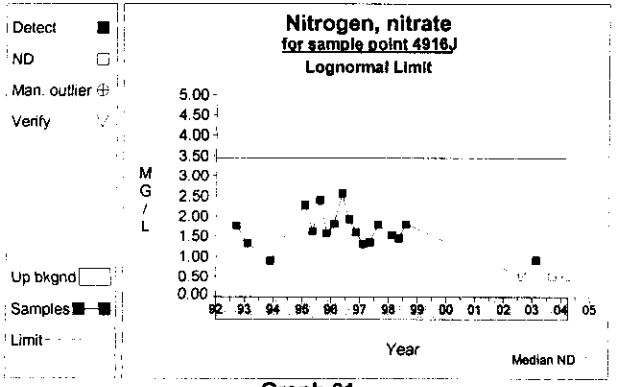
Graph 58



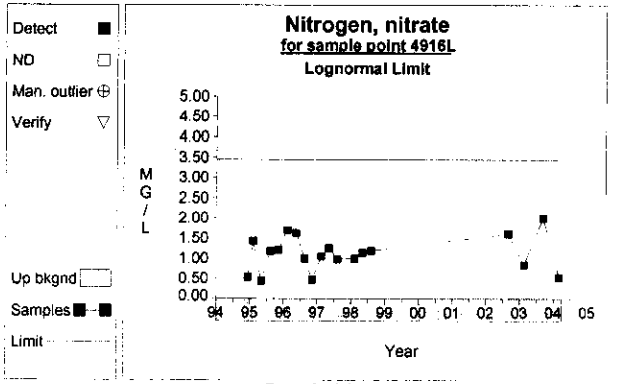
Graph 59



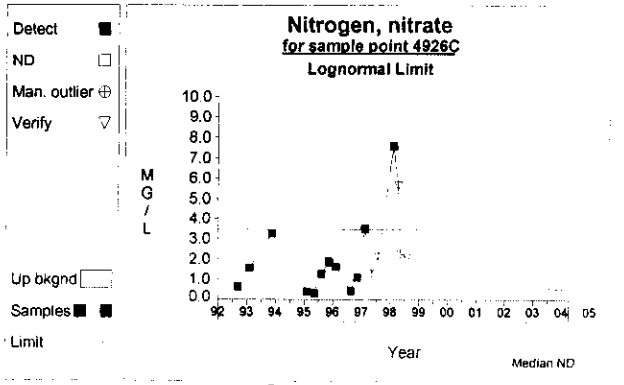
Graph 60



Graph 61

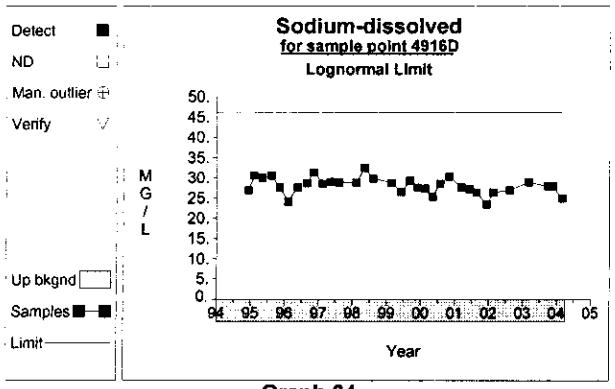


Graph 62

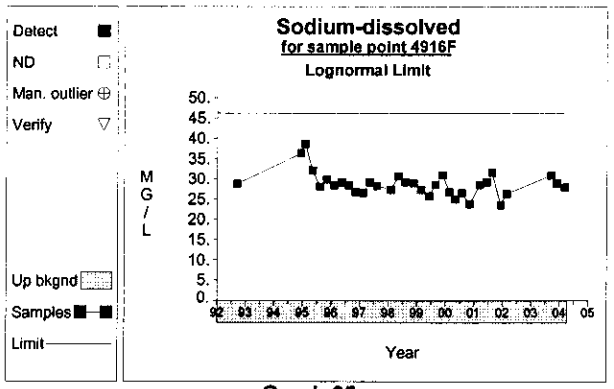


Graph 63

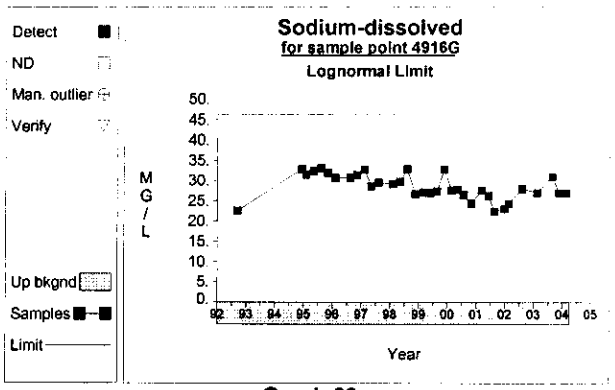
Up vs. Down Prediction Limits



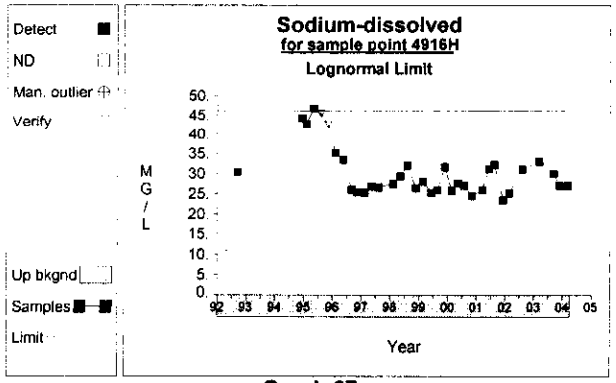
Graph 64



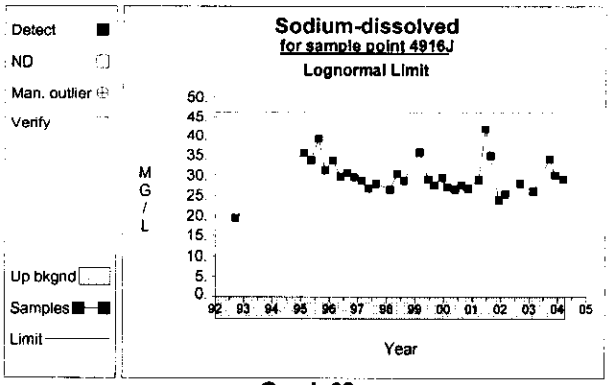
Graph 65



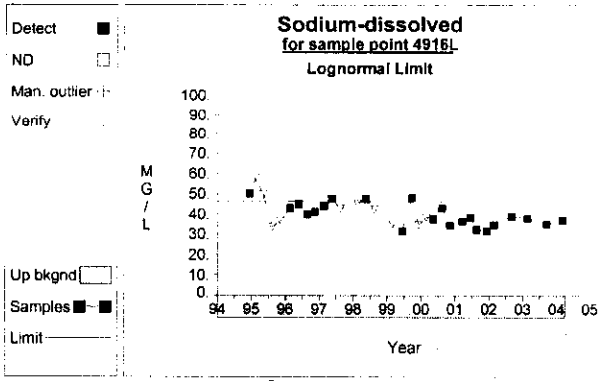
Graph 66



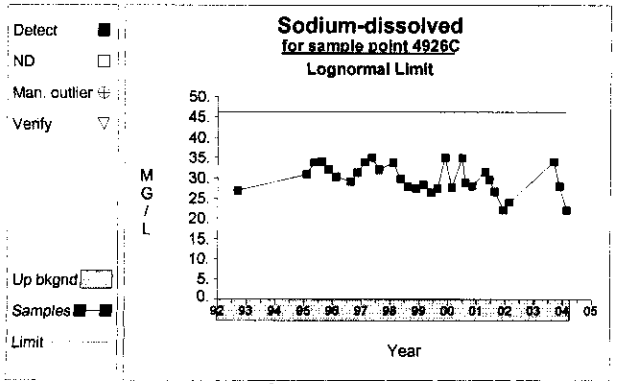
Graph 67



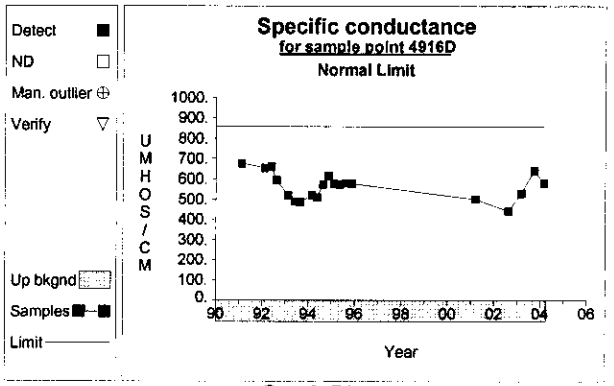
Graph 68



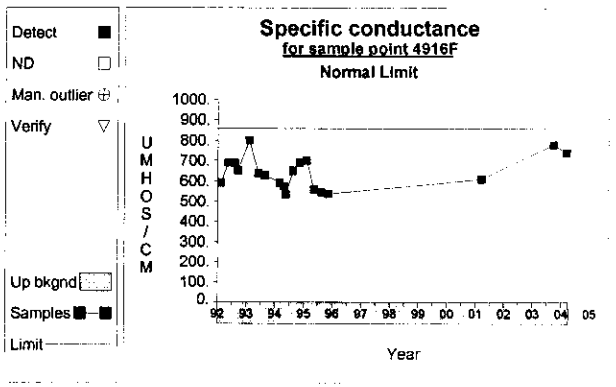
Graph 69



Graph 70

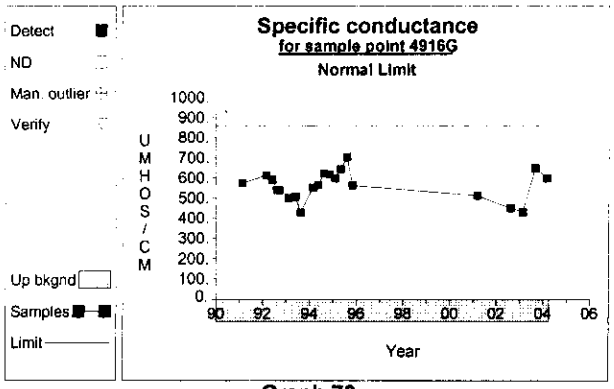


Graph 71

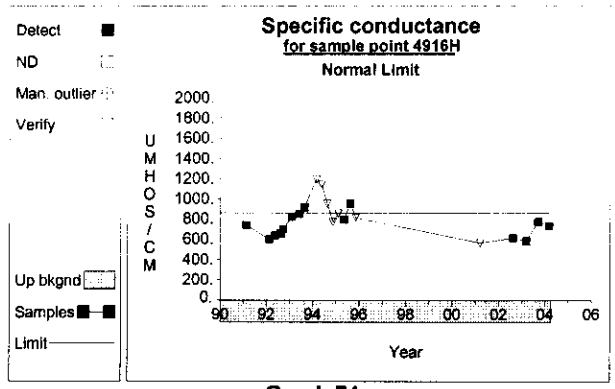


Graph 72

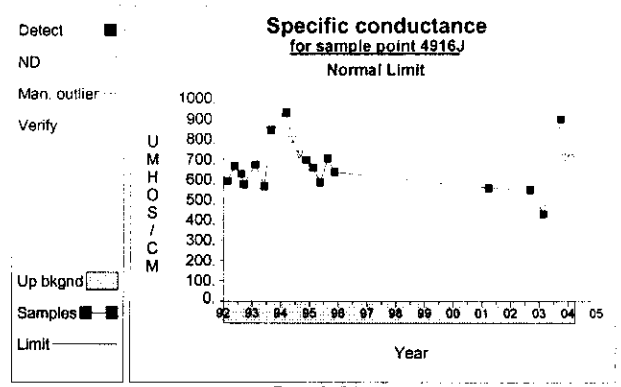
Up vs. Down Prediction Limits



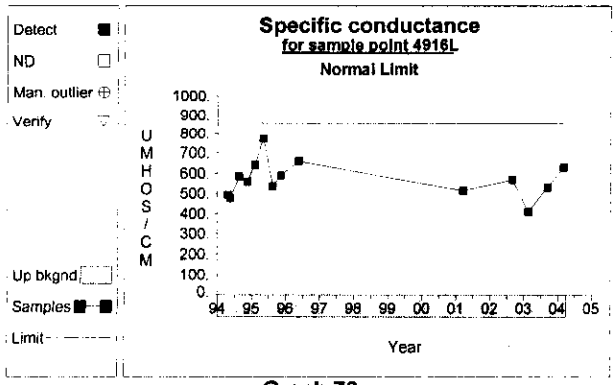
Graph 73



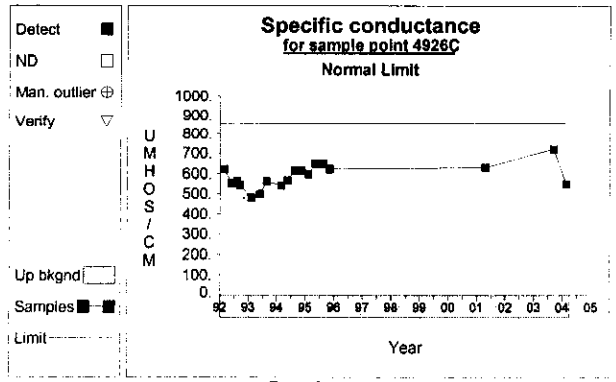
Graph 74



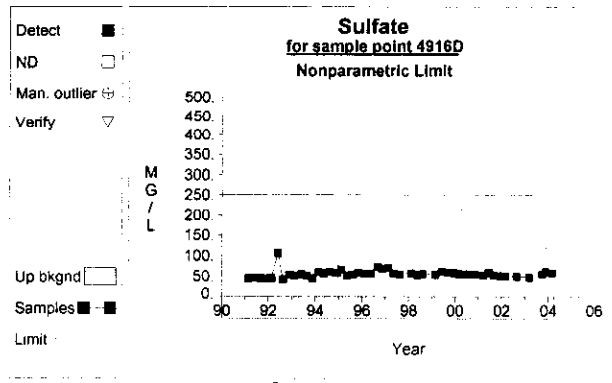
Graph 75



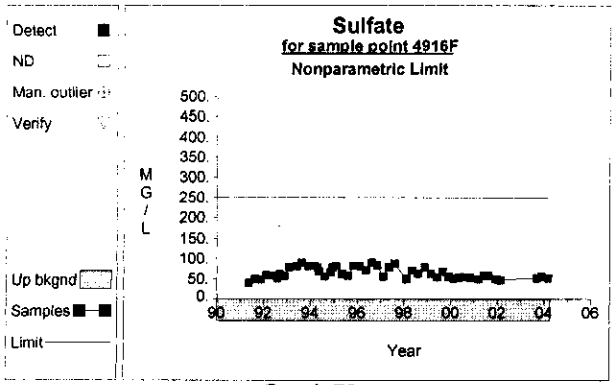
Graph 76



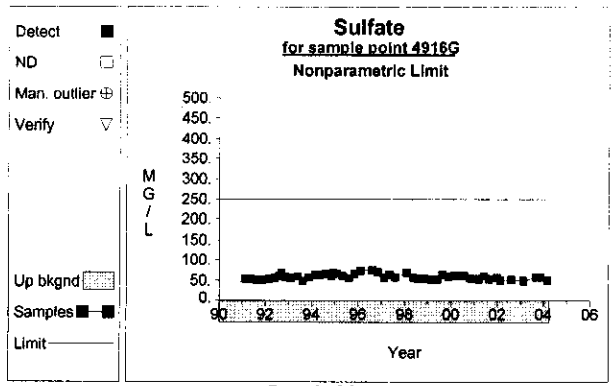
Graph 77



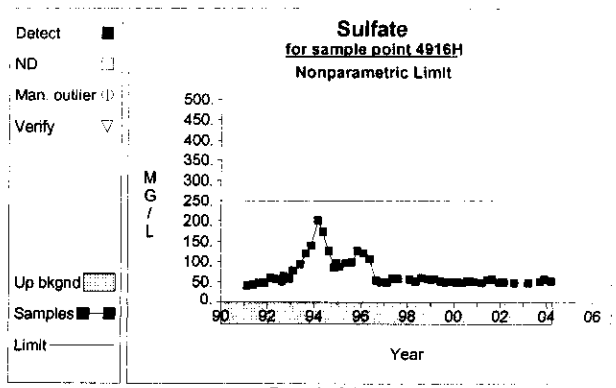
Graph 78



Graph 79

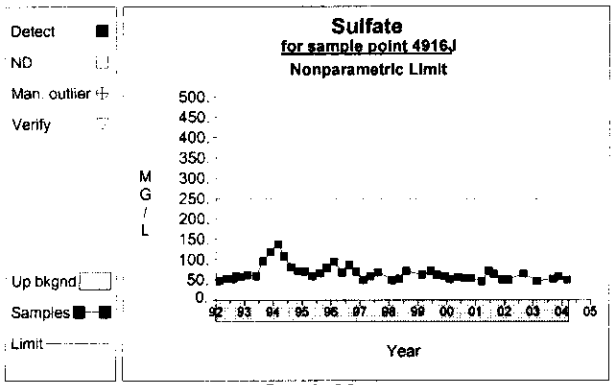


Graph 80

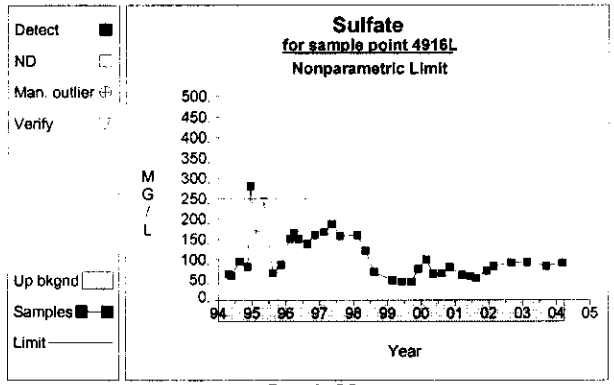


Graph 81

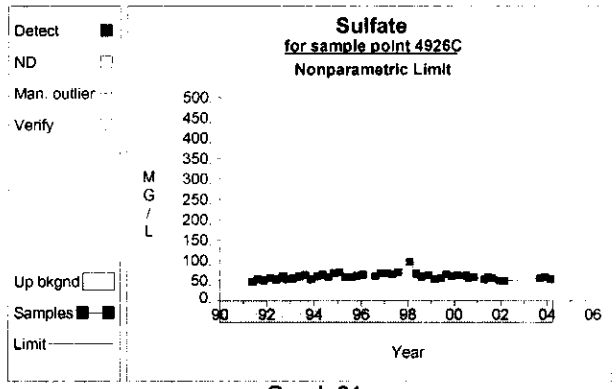
Up vs. Down Prediction Limits



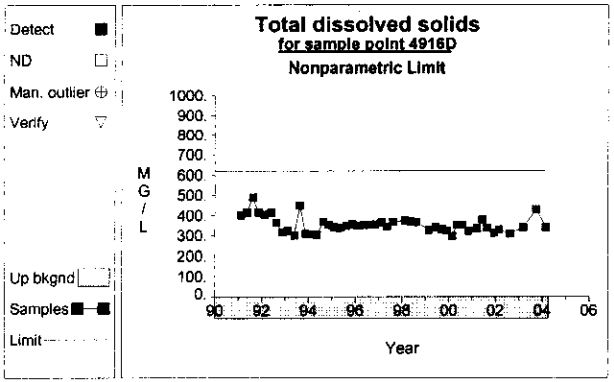
Graph 82



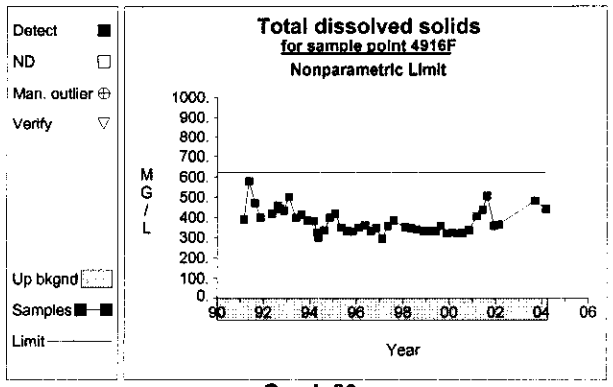
Graph 83



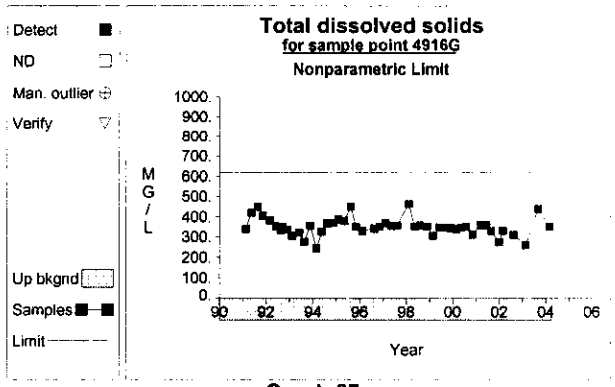
Graph 84



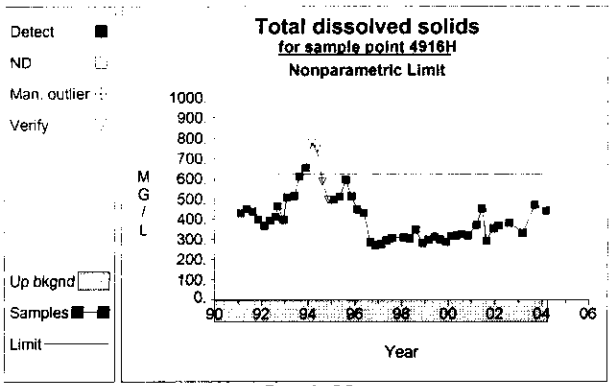
Graph 85



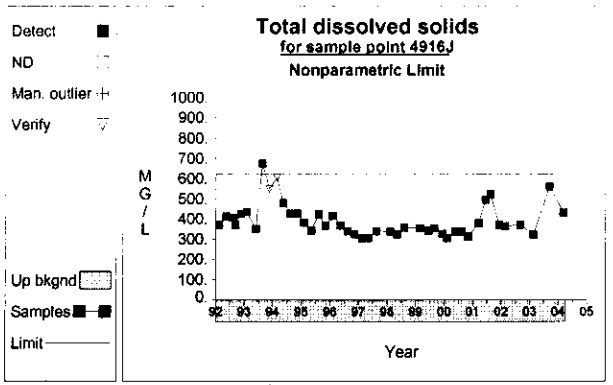
Graph 86



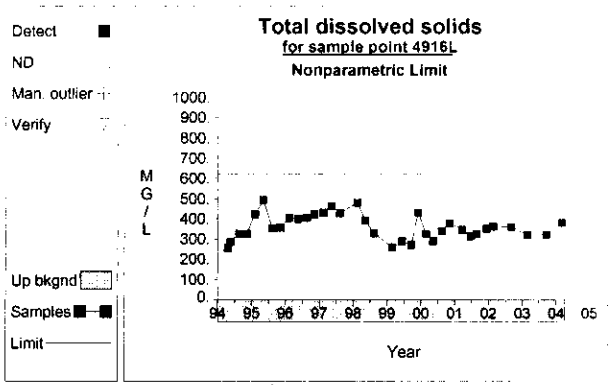
Graph 87



Graph 88

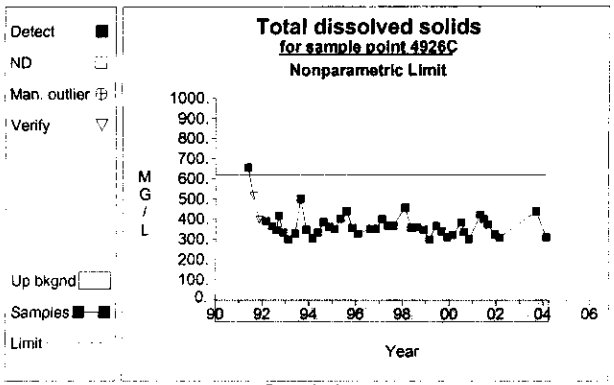


Graph 89

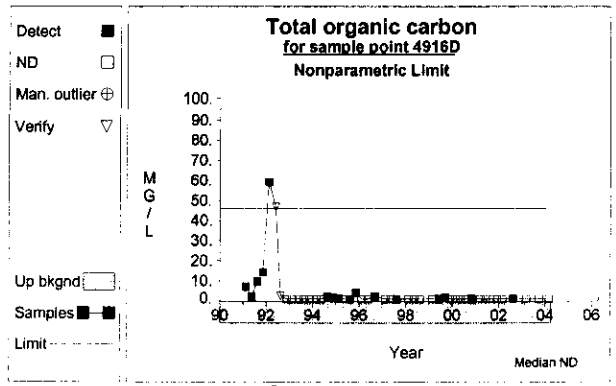


Graph 90

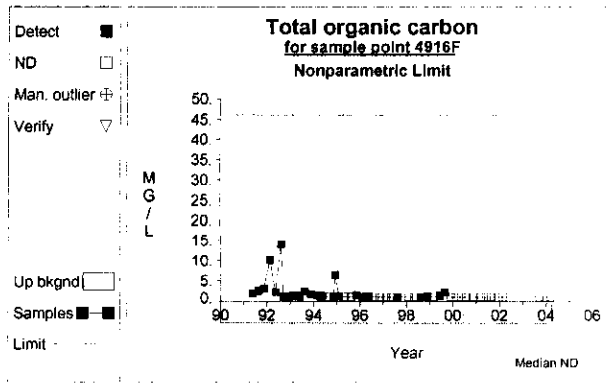
Up vs. Down Prediction Limits



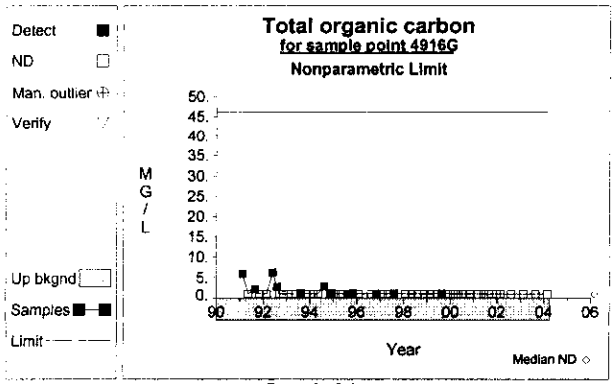
Graph 91



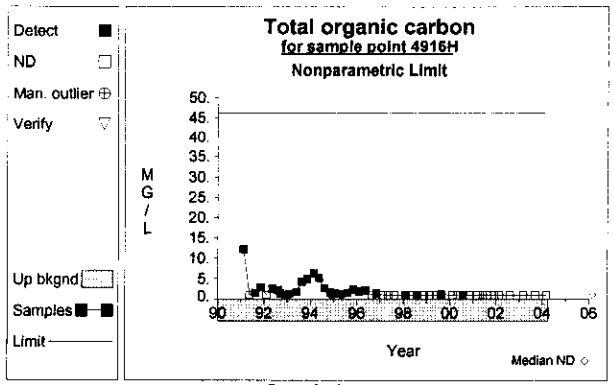
Graph 92



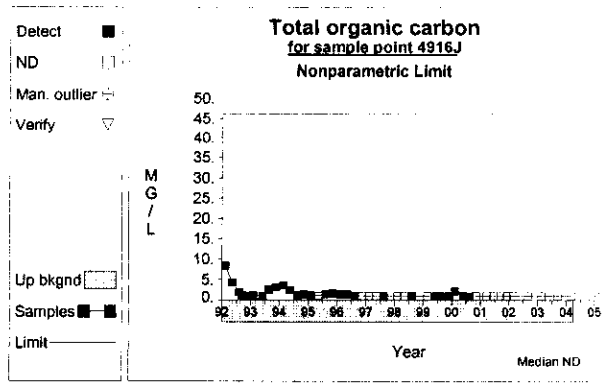
Graph 93



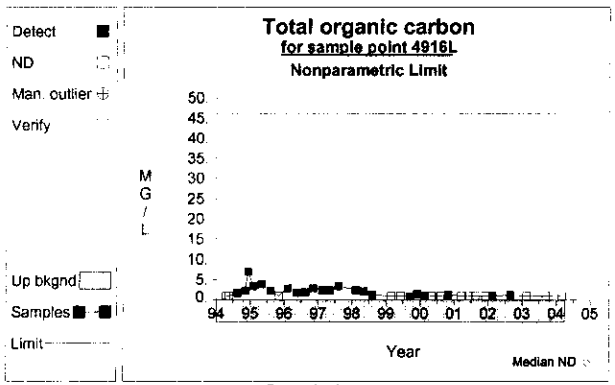
Graph 94



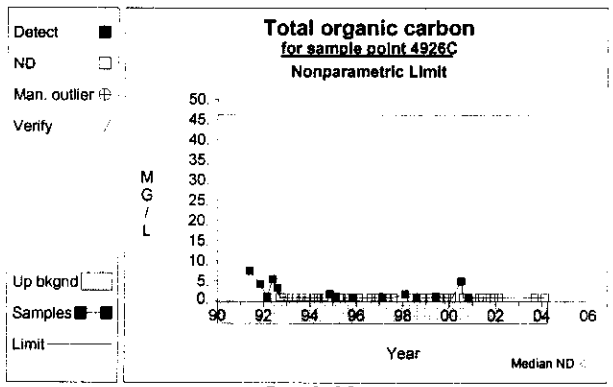
Graph 95



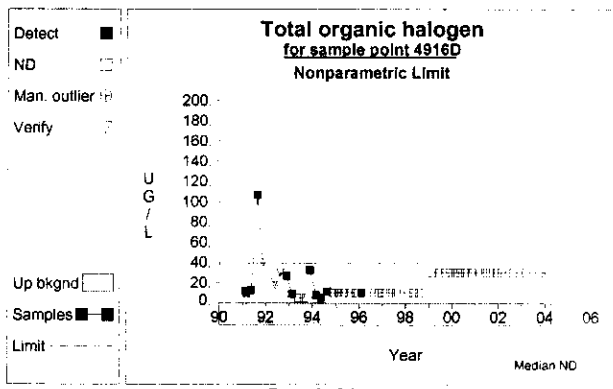
Graph 96



Graph 97

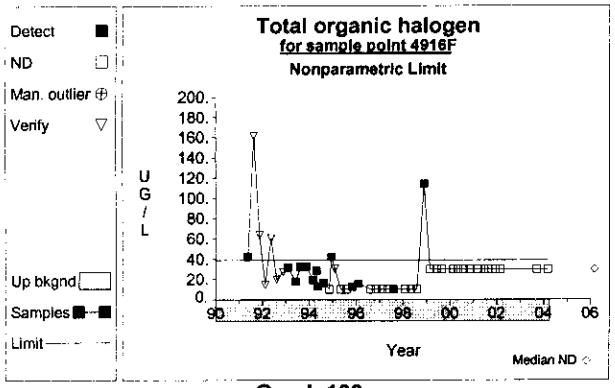


Graph 98

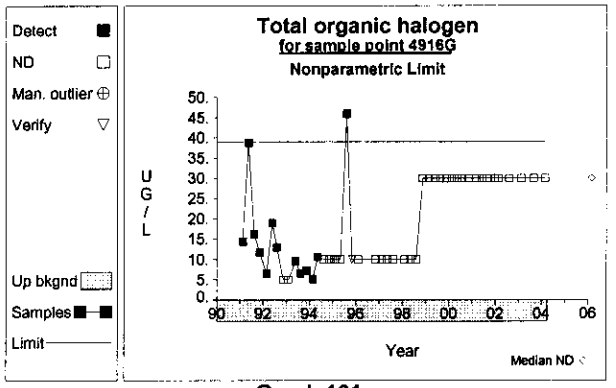


Graph 99

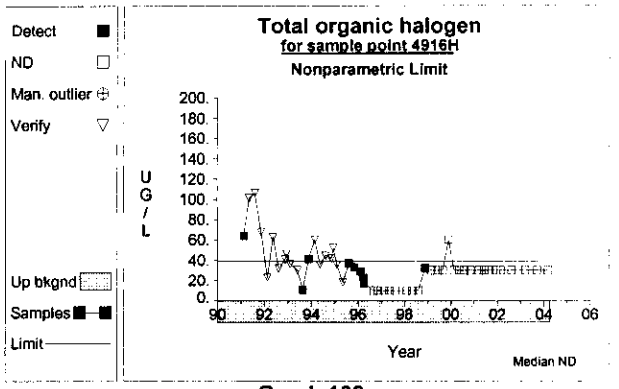
Up vs. Down Prediction Limits



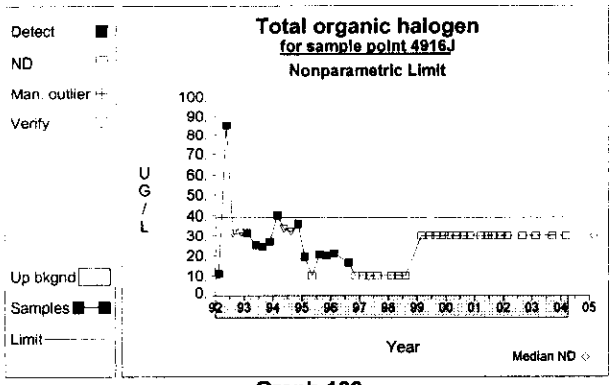
Graph 100



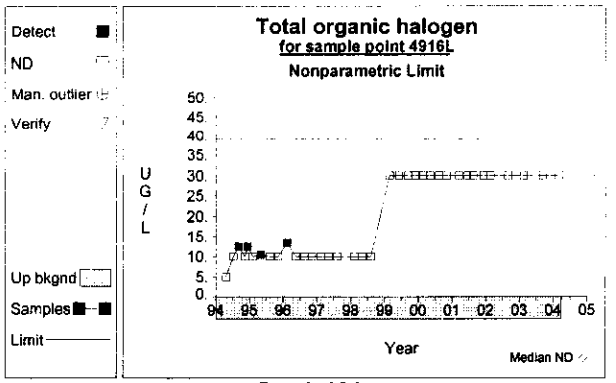
Graph 101



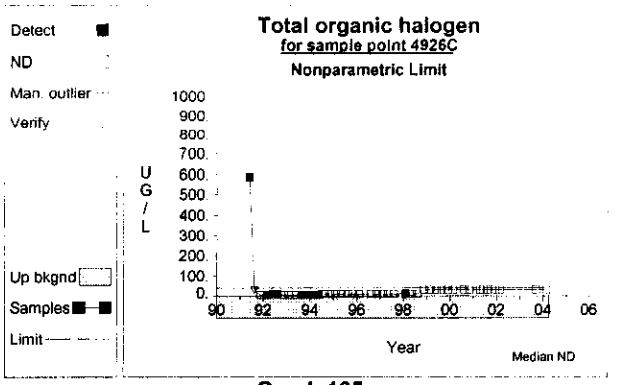
Graph 102



Graph 103



Graph 104



Graph 105

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	
Alkalinity, bicarbonate (as caco3)	MG/L	4915A	05/10/1991		114.0000	
Alkalinity, bicarbonate (as caco3)	MG/L	4915A	08/12/1991	ND	5.0000	
Alkalinity, bicarbonate (as caco3)	MG/L	4915A	02/11/1992		171.0000	
Alkalinity, bicarbonate (as caco3)	MG/L	4915A	05/14/1992	ND	10.0000	
Alkalinity, bicarbonate (as caco3)	MG/L	4915A	08/10/1992		44.0000	
Alkalinity, bicarbonate (as caco3)	MG/L	4915A	09/10/1992		47.0000	
Alkalinity, bicarbonate (as caco3)	MG/L	4915A	11/18/1992		43.0000	
Alkalinity, bicarbonate (as caco3)	MG/L	4915A	02/09/1993		33.0000	
Alkalinity, bicarbonate (as caco3)	MG/L	4915A	05/26/1993		184.0000	
Alkalinity, bicarbonate (as caco3)	MG/L	4915A	08/18/1993		146.0000	
Alkalinity, bicarbonate (as caco3)	MG/L	4915A	11/16/1993		179.0000	
Alkalinity, bicarbonate (as caco3)	MG/L	4915A	02/24/1994		247.0000	
Alkalinity, bicarbonate (as caco3)	MG/L	4915A	05/11/1994		247.0000	
Alkalinity, bicarbonate (as caco3)	MG/L	4915A	08/11/1994		261.0000	
Alkalinity, bicarbonate (as caco3)	MG/L	4915A	11/11/1994		230.0000	
Alkalinity, bicarbonate (as caco3)	MG/L	4915A	12/07/1994		226.0000	
Alkalinity, bicarbonate (as caco3)	MG/L	4915A	02/03/1995		226.0000	
Alkalinity, bicarbonate (as caco3)	MG/L	4915A	05/04/1995		263.0000	
Alkalinity, bicarbonate (as caco3)	MG/L	4915A	08/08/1995		207.0000	
Alkalinity, bicarbonate (as caco3)	MG/L	4915A	11/03/1995		192.0000	
Alkalinity, bicarbonate (as caco3)	MG/L	4915A	02/06/1996		173.0000	
Alkalinity, bicarbonate (as caco3)	MG/L	4915A	08/13/1996		196.0000	
Alkalinity, bicarbonate (as caco3)	MG/L	4915A	02/12/1997		230.0000	
Alkalinity, bicarbonate (as caco3)	MG/L	4915A	08/05/1997		189.0000	
Alkalinity, bicarbonate (as caco3)	MG/L	4915A	02/04/1998		178.0000	
Alkalinity, bicarbonate (as caco3)	MG/L	4915A	08/04/1998		191.0000	
Alkalinity, bicarbonate (as caco3)	MG/L	4915A	02/18/1999		191.0000	
Alkalinity, bicarbonate (as caco3)	MG/L	4915A	08/24/1999		177.0000	
Alkalinity, bicarbonate (as caco3)	MG/L	4915A	02/18/2000		144.0000	
Alkalinity, bicarbonate (as caco3)	MG/L	4915A	07/26/2000		167.0000	
Alkalinity, bicarbonate (as caco3)	MG/L	4915A	03/08/2001		139.0000	
Alkalinity, bicarbonate (as caco3)	MG/L	4915A	08/21/2001		184.0000	
Alkalinity, bicarbonate (as caco3)	MG/L	4915A	02/21/2002		158.0000	
Alkalinity, bicarbonate (as caco3)	MG/L	4915A	08/06/2002		130.0000	
Alkalinity, bicarbonate (as caco3)	MG/L	4915A	02/10/2003		120.0000	
Alkalinity, bicarbonate (as caco3)	MG/L	4915A	09/25/2003		170.0000	
Alkalinity, bicarbonate (as caco3)	MG/L	4915A	02/16/2004		190.0000	
Alkalinity, bicarbonate (as caco3)	MG/L	4915B	05/10/1991		114.0000	
Alkalinity, bicarbonate (as caco3)	MG/L	4915B	08/12/1991	ND	5.0000	*
Alkalinity, bicarbonate (as caco3)	MG/L	4915B	02/11/1992		132.0000	
Alkalinity, bicarbonate (as caco3)	MG/L	4915B	05/13/1992		92.0000	
Alkalinity, bicarbonate (as caco3)	MG/L	4915B	08/10/1992		115.0000	
Alkalinity, bicarbonate (as caco3)	MG/L	4915B	11/17/1992		144.0000	
Alkalinity, bicarbonate (as caco3)	MG/L	4915B	02/09/1993		113.0000	
Alkalinity, bicarbonate (as caco3)	MG/L	4915B	05/25/1993		131.0000	
Alkalinity, bicarbonate (as caco3)	MG/L	4915B	08/13/1993		134.0000	
Alkalinity, bicarbonate (as caco3)	MG/L	4915B	11/18/1993		115.0000	
Alkalinity, bicarbonate (as caco3)	MG/L	4915B	02/23/1994		129.0000	
Alkalinity, bicarbonate (as caco3)	MG/L	4915B	05/10/1994		116.0000	
Alkalinity, bicarbonate (as caco3)	MG/L	4915B	08/16/1994		138.0000	
Alkalinity, bicarbonate (as caco3)	MG/L	4915B	11/07/1994		169.0000	
Alkalinity, bicarbonate (as caco3)	MG/L	4915B	12/07/1994		174.0000	
Alkalinity, bicarbonate (as caco3)	MG/L	4915B	02/01/1995		224.0000	
Alkalinity, bicarbonate (as caco3)	MG/L	4915B	04/19/1995		136.0000	
Alkalinity, bicarbonate (as caco3)	MG/L	4915B	05/08/1995		132.0000	
Alkalinity, bicarbonate (as caco3)	MG/L	4915B	08/10/1995		124.0000	
Alkalinity, bicarbonate (as caco3)	MG/L	4915B	11/07/1995		127.0000	
Alkalinity, bicarbonate (as caco3)	MG/L	4915B	02/12/1996		156.0000	
Alkalinity, bicarbonate (as caco3)	MG/L	4915B	08/19/1996		177.0000	
Alkalinity, bicarbonate (as caco3)	MG/L	4915B	02/13/1997		175.0000	
Alkalinity, bicarbonate (as caco3)	MG/L	4915B	08/06/1997		163.0000	
Alkalinity, bicarbonate (as caco3)	MG/L	4915B	02/09/1998		162.0000	
Alkalinity, bicarbonate (as caco3)	MG/L	4915B	08/06/1998		136.0000	
Alkalinity, bicarbonate (as caco3)	MG/L	4915B	02/22/1999		136.0000	
Alkalinity, bicarbonate (as caco3)	MG/L	4915B	08/25/1999	ND	5.0000	*

* - Outlier for that well and constituent.
ND = Not detected, result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result
Alkalinity, bicarbonate (as caco3)	MG/L	4915B	03/21/2000		199.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4915B	08/07/2000		178.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4915B	03/13/2001		180.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4915B	08/16/2001		153.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4915B	02/22/2002		156.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4915B	08/28/2002		230.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4915B	02/18/2003		200.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4915B	09/26/2003		170.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4915B	02/27/2004		160.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4915C	05/14/1991		240.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4915C	02/12/1992		176.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4915C	05/14/1992		181.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4915C	08/04/1992		173.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4915C	11/17/1992		155.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4915C	02/11/1993		165.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4915C	05/25/1993		215.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4915C	08/18/1993		219.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4915C	11/16/1993		207.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4915C	02/23/1994		234.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4915C	05/11/1994		246.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4915C	08/15/1994		271.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4915C	11/10/1994		239.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4915C	02/07/1995		255.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4915C	05/04/1995		248.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4915C	08/09/1995		190.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4915C	11/06/1995		169.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4915C	02/07/1996		185.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4915C	08/13/1996		238.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4915C	02/12/1997		214.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4915C	08/05/1997		196.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4915C	02/05/1998		181.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4915C	08/03/1998		180.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4915C	02/18/1999		194.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4915C	08/24/1999		175.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4915C	02/18/2000		139.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4915C	07/19/2000		168.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4915C	03/08/2001		139.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4915C	08/21/2001		174.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4915C	02/20/2002		145.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4915C	09/25/2003		160.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4915C	02/16/2004		190.0000
Biochemical oxygen demand	MG/L	4915A	09/11/2000	ND	2.0000
Biochemical oxygen demand	MG/L	4915A	03/08/2001	ND	2.0000
Biochemical oxygen demand	MG/L	4915A	08/21/2001	ND	2.0000
Biochemical oxygen demand	MG/L	4915A	02/21/2002	ND	2.0000
Biochemical oxygen demand	MG/L	4915A	08/06/2002	ND	2.0000
Biochemical oxygen demand	MG/L	4915A	02/10/2003	ND	2.0000
Biochemical oxygen demand	MG/L	4915A	09/25/2003	ND	2.0000
Biochemical oxygen demand	MG/L	4915A	02/16/2004	ND	2.0000
Biochemical oxygen demand	MG/L	4915B	08/07/2000	ND	2.0000
Biochemical oxygen demand	MG/L	4915B	03/13/2001	ND	2.0000
Biochemical oxygen demand	MG/L	4915B	08/16/2001	ND	2.0000
Biochemical oxygen demand	MG/L	4915B	02/22/2002	ND	2.0000
Biochemical oxygen demand	MG/L	4915B	08/28/2002	ND	2.0000
Biochemical oxygen demand	MG/L	4915B	02/18/2003	ND	2.0000
Biochemical oxygen demand	MG/L	4915B	09/26/2003	ND	2.0000
Biochemical oxygen demand	MG/L	4915B	02/27/2004	ND	2.0000
Biochemical oxygen demand	MG/L	4915C	07/19/2000	ND	2.0000
Biochemical oxygen demand	MG/L	4915C	03/08/2001	ND	2.0000
Biochemical oxygen demand	MG/L	4915C	08/21/2001	ND	2.0000
Biochemical oxygen demand	MG/L	4915C	02/20/2002	ND	2.0000
Biochemical oxygen demand	MG/L	4915C	09/25/2003	ND	2.0000
Biochemical oxygen demand	MG/L	4915C	02/16/2004	ND	2.0000
Calcium-dissolved	UG/L	4915A	09/10/1992		9540.0000
Calcium-dissolved	UG/L	4915A	08/11/1994		74400.0000

* - Outlier for that well and constituent.
ND = Not detected, result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date	Result
Calcium-dissolved	UG/L	4915A	11/11/1994	75300.0000
Calcium-dissolved	UG/L	4915A	12/07/1994	79500.0000
Calcium-dissolved	UG/L	4915A	02/03/1995	79900.0000
Calcium-dissolved	UG/L	4915A	05/04/1995	77600.0000
Calcium-dissolved	UG/L	4915A	08/08/1995	65300.0000
Calcium-dissolved	UG/L	4915A	11/03/1995	54400.0000
Calcium-dissolved	UG/L	4915A	08/13/1996	59700.0000
Calcium-dissolved	UG/L	4915A	02/12/1997	76200.0000
Calcium-dissolved	UG/L	4915A	08/05/1997	59000.0000
Calcium-dissolved	UG/L	4915A	02/04/1998	107000.0000
Calcium-dissolved	UG/L	4915A	08/04/1998	60500.0000
Calcium-dissolved	UG/L	4915A	02/18/1999	56700.0000
Calcium-dissolved	UG/L	4915A	08/24/1999	59100.0000
Calcium-dissolved	UG/L	4915A	02/18/2000	50400.0000
Calcium-dissolved	UG/L	4915A	07/26/2000	57100.0000
Calcium-dissolved	UG/L	4915A	03/08/2001	44800.0000
Calcium-dissolved	UG/L	4915A	08/21/2001	55100.0000
Calcium-dissolved	UG/L	4915A	02/21/2002	49000.0000
Calcium-dissolved	UG/L	4915A	08/06/2002	51000.0000
Calcium-dissolved	UG/L	4915A	02/10/2003	44000.0000
Calcium-dissolved	UG/L	4915A	09/25/2003	56000.0000
Calcium-dissolved	UG/L	4915A	02/16/2004	60000.0000
Calcium-dissolved	UG/L	4915B	08/16/1994	71000.0000
Calcium-dissolved	UG/L	4915B	11/07/1994	53900.0000
Calcium-dissolved	UG/L	4915B	12/07/1994	55200.0000
Calcium-dissolved	UG/L	4915B	02/01/1995	66000.0000
Calcium-dissolved	UG/L	4915B	04/19/1995	18600.0000
Calcium-dissolved	UG/L	4915B	05/08/1995	18200.0000
Calcium-dissolved	UG/L	4915B	08/10/1995	26800.0000
Calcium-dissolved	UG/L	4915B	11/07/1995	33700.0000
Calcium-dissolved	UG/L	4915B	08/19/1996	54400.0000
Calcium-dissolved	UG/L	4915B	02/13/1997	50400.0000
Calcium-dissolved	UG/L	4915B	08/06/1997	45400.0000
Calcium-dissolved	UG/L	4915B	02/09/1998	50100.0000
Calcium-dissolved	UG/L	4915B	08/06/1998	32000.0000
Calcium-dissolved	UG/L	4915B	02/22/1999	42000.0000
Calcium-dissolved	UG/L	4915B	08/25/1999	56100.0000
Calcium-dissolved	UG/L	4915B	03/21/2000	58600.0000
Calcium-dissolved	UG/L	4915B	08/07/2000	60900.0000
Calcium-dissolved	UG/L	4915B	03/13/2001	50000.0000
Calcium-dissolved	UG/L	4915B	08/16/2001	44200.0000
Calcium-dissolved	UG/L	4915B	02/22/2002	44300.0000
Calcium-dissolved	UG/L	4915B	08/28/2002	74000.0000
Calcium-dissolved	UG/L	4915B	02/18/2003	90000.0000
Calcium-dissolved	UG/L	4915B	09/26/2003	51000.0000
Calcium-dissolved	UG/L	4915B	02/27/2004	47000.0000
Calcium-dissolved	UG/L	4915C	08/15/1994	84150.0000
Calcium-dissolved	UG/L	4915C	11/10/1994	81100.0000
Calcium-dissolved	UG/L	4915C	02/07/1995	83800.0000
Calcium-dissolved	UG/L	4915C	05/04/1995	78700.0000
Calcium-dissolved	UG/L	4915C	08/09/1995	65800.0000
Calcium-dissolved	UG/L	4915C	11/06/1995	51400.0000
Calcium-dissolved	UG/L	4915C	08/13/1996	70100.0000
Calcium-dissolved	UG/L	4915C	02/12/1997	63000.0000
Calcium-dissolved	UG/L	4915C	08/05/1997	58700.0000
Calcium-dissolved	UG/L	4915C	02/05/1998	55900.0000
Calcium-dissolved	UG/L	4915C	08/03/1998	54800.0000
Calcium-dissolved	UG/L	4915C	02/18/1999	59800.0000
Calcium-dissolved	UG/L	4915C	08/24/1999	57800.0000
Calcium-dissolved	UG/L	4915C	02/18/2000	48800.0000
Calcium-dissolved	UG/L	4915C	07/19/2000	54100.0000
Calcium-dissolved	UG/L	4915C	03/08/2001	42500.0000
Calcium-dissolved	UG/L	4915C	08/21/2001	52800.0000
Calcium-dissolved	UG/L	4915C	02/20/2002	47900.0000
Calcium-dissolved	UG/L	4915C	09/25/2003	52000.0000

* - Outlier for that well and constituent.
ND = Not detected, result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result
Calcium-dissolved	UG/L	4915C	02/16/2004		61000.0000
Chemical oxygen demand	MG/L	4915A	02/11/1991		21.7500
Chemical oxygen demand	MG/L	4915A	05/10/1991		15.0000
Chemical oxygen demand	MG/L	4915A	08/12/1991		10.0000
Chemical oxygen demand	MG/L	4915A	11/06/1991		10.5000
Chemical oxygen demand	MG/L	4915A	02/11/1992		11.0000
Chemical oxygen demand	MG/L	4915A	05/14/1992		15.0000
Chemical oxygen demand	MG/L	4915A	08/10/1992		10.0000
Chemical oxygen demand	MG/L	4915A	09/10/1992		10.0000
Chemical oxygen demand	MG/L	4915A	11/18/1992	ND	10.0000
Chemical oxygen demand	MG/L	4915A	02/09/1993	ND	10.0000
Chemical oxygen demand	MG/L	4915A	05/26/1993	ND	10.0000
Chemical oxygen demand	MG/L	4915A	08/18/1993	ND	10.0000
Chemical oxygen demand	MG/L	4915A	11/16/1993	ND	10.0000
Chemical oxygen demand	MG/L	4915A	02/24/1994	ND	10.0000
Chemical oxygen demand	MG/L	4915A	05/11/1994	ND	10.0000
Chemical oxygen demand	MG/L	4915A	08/11/1994	ND	8.0000
Chemical oxygen demand	MG/L	4915A	11/11/1994	ND	8.0000
Chemical oxygen demand	MG/L	4915A	02/03/1995	ND	8.0000
Chemical oxygen demand	MG/L	4915A	05/04/1995		11.0000
Chemical oxygen demand	MG/L	4915A	08/08/1995	ND	8.0000
Chemical oxygen demand	MG/L	4915A	11/03/1995		235.0000 *
Chemical oxygen demand	MG/L	4915A	02/06/1996		14.0000
Chemical oxygen demand	MG/L	4915A	08/13/1996	ND	8.0000
Chemical oxygen demand	MG/L	4915A	02/12/1997	ND	8.0000
Chemical oxygen demand	MG/L	4915A	08/05/1997	ND	8.0000
Chemical oxygen demand	MG/L	4915A	02/04/1998		16.0000
Chemical oxygen demand	MG/L	4915A	08/04/1998		95.0000
Chemical oxygen demand	MG/L	4915A	02/18/1999	ND	8.0000
Chemical oxygen demand	MG/L	4915A	08/24/1999	ND	8.0000
Chemical oxygen demand	MG/L	4915A	02/18/2000	ND	8.0000
Chemical oxygen demand	MG/L	4915A	07/26/2000	ND	8.0000
Chemical oxygen demand	MG/L	4915A	08/21/2001	ND	8.0000
Chemical oxygen demand	MG/L	4915A	02/21/2002	ND	8.0000
Chemical oxygen demand	MG/L	4915A	08/06/2002		11.0000
Chemical oxygen demand	MG/L	4915A	02/10/2003	ND	8.0000
Chemical oxygen demand	MG/L	4915A	09/25/2003	ND	8.0000
Chemical oxygen demand	MG/L	4915A	02/16/2004	ND	8.0000
Chemical oxygen demand	MG/L	4915B	02/11/1991		15.2500
Chemical oxygen demand	MG/L	4915B	05/10/1991		10.0000
Chemical oxygen demand	MG/L	4915B	08/12/1991	ND	10.0000
Chemical oxygen demand	MG/L	4915B	11/06/1991		11.0000
Chemical oxygen demand	MG/L	4915B	02/11/1992		11.5000
Chemical oxygen demand	MG/L	4915B	05/13/1992		13.7500
Chemical oxygen demand	MG/L	4915B	08/10/1992		10.5000
Chemical oxygen demand	MG/L	4915B	11/17/1992	ND	10.0000
Chemical oxygen demand	MG/L	4915B	02/09/1993	ND	10.0000
Chemical oxygen demand	MG/L	4915B	05/25/1993	ND	10.0000
Chemical oxygen demand	MG/L	4915B	08/13/1993	ND	10.0000
Chemical oxygen demand	MG/L	4915B	11/18/1993	ND	10.0000
Chemical oxygen demand	MG/L	4915B	02/23/1994	ND	10.0000
Chemical oxygen demand	MG/L	4915B	05/10/1994	ND	10.0000
Chemical oxygen demand	MG/L	4915B	08/16/1994		13.0000
Chemical oxygen demand	MG/L	4915B	11/07/1994	ND	8.0000
Chemical oxygen demand	MG/L	4915B	02/01/1995	ND	8.0000
Chemical oxygen demand	MG/L	4915B	04/19/1995	ND	8.0000
Chemical oxygen demand	MG/L	4915B	05/08/1995	ND	8.0000
Chemical oxygen demand	MG/L	4915B	08/10/1995		20.0000
Chemical oxygen demand	MG/L	4915B	11/07/1995		9.0000
Chemical oxygen demand	MG/L	4915B	02/12/1996	ND	8.0000
Chemical oxygen demand	MG/L	4915B	08/19/1996	ND	8.0000
Chemical oxygen demand	MG/L	4915B	02/13/1997	ND	8.0000
Chemical oxygen demand	MG/L	4915B	08/06/1997	ND	8.0000
Chemical oxygen demand	MG/L	4915B	02/09/1998		70.0000
Chemical oxygen demand	MG/L	4915B	08/06/1998	ND	8.0000

* - Outlier for that well and constituent.
ND = Not detected, result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result
Chemical oxygen demand	MG/L	4915B	02/22/1999		8.4000
Chemical oxygen demand	MG/L	4915B	08/25/1999	ND	8.0000
Chemical oxygen demand	MG/L	4915B	03/21/2000	ND	8.0000
Chemical oxygen demand	MG/L	4915B	08/07/2000	ND	8.0000
Chemical oxygen demand	MG/L	4915B	03/13/2001	ND	8.0000
Chemical oxygen demand	MG/L	4915B	08/16/2001	ND	8.0000
Chemical oxygen demand	MG/L	4915B	02/22/2002	ND	8.0000
Chemical oxygen demand	MG/L	4915B	08/28/2002	ND	8.0000
Chemical oxygen demand	MG/L	4915B	02/18/2003	ND	8.0000
Chemical oxygen demand	MG/L	4915B	09/26/2003	ND	8.0000
Chemical oxygen demand	MG/L	4915B	02/27/2004	ND	8.0000
Chemical oxygen demand	MG/L	4915C	05/14/1991	ND	10.0000
Chemical oxygen demand	MG/L	4915C	11/07/1991	ND	10.0000
Chemical oxygen demand	MG/L	4915C	02/12/1992	ND	10.0000
Chemical oxygen demand	MG/L	4915C	05/14/1992	ND	10.0000
Chemical oxygen demand	MG/L	4915C	08/04/1992		11.0000
Chemical oxygen demand	MG/L	4915C	11/17/1992	ND	10.0000
Chemical oxygen demand	MG/L	4915C	02/11/1993	ND	10.0000
Chemical oxygen demand	MG/L	4915C	05/25/1993	ND	10.0000
Chemical oxygen demand	MG/L	4915C	08/18/1993	ND	10.0000
Chemical oxygen demand	MG/L	4915C	11/16/1993	ND	10.0000
Chemical oxygen demand	MG/L	4915C	02/23/1994	ND	10.0000
Chemical oxygen demand	MG/L	4915C	05/11/1994	ND	10.0000
Chemical oxygen demand	MG/L	4915C	08/15/1994	ND	8.0000
Chemical oxygen demand	MG/L	4915C	11/10/1994	ND	8.0000
Chemical oxygen demand	MG/L	4915C	02/07/1995	ND	8.0000
Chemical oxygen demand	MG/L	4915C	05/04/1995		9.0000
Chemical oxygen demand	MG/L	4915C	08/09/1995		13.0000
Chemical oxygen demand	MG/L	4915C	11/06/1995	ND	8.0000
Chemical oxygen demand	MG/L	4915C	02/07/1996	ND	8.0000
Chemical oxygen demand	MG/L	4915C	08/13/1996	ND	8.0000
Chemical oxygen demand	MG/L	4915C	02/12/1997	ND	8.0000
Chemical oxygen demand	MG/L	4915C	08/05/1997	ND	8.0000
Chemical oxygen demand	MG/L	4915C	02/05/1998	ND	8.0000
Chemical oxygen demand	MG/L	4915C	08/03/1998	ND	8.0000
Chemical oxygen demand	MG/L	4915C	02/18/1999	ND	8.0000
Chemical oxygen demand	MG/L	4915C	08/24/1999	ND	8.0000
Chemical oxygen demand	MG/L	4915C	02/18/2000	ND	8.0000
Chemical oxygen demand	MG/L	4915C	07/19/2000	ND	8.0000
Chemical oxygen demand	MG/L	4915C	03/08/2001	ND	8.0000
Chemical oxygen demand	MG/L	4915C	08/21/2001	ND	8.0000
Chemical oxygen demand	MG/L	4915C	02/20/2002	ND	8.0000
Chemical oxygen demand	MG/L	4915C	09/25/2003	ND	8.0000
Chemical oxygen demand	MG/L	4915C	02/16/2004	ND	8.0000
Chloride	MG/L	4915A	02/11/1991		50.4000
Chloride	MG/L	4915A	05/10/1991		43.6250
Chloride	MG/L	4915A	08/12/1991		44.8250
Chloride	MG/L	4915A	11/06/1991		39.9250
Chloride	MG/L	4915A	02/11/1992		27.0250
Chloride	MG/L	4915A	05/14/1992		23.5500
Chloride	MG/L	4915A	08/10/1992		20.2750
Chloride	MG/L	4915A	09/10/1992		22.4000
Chloride	MG/L	4915A	11/18/1992		19.6500
Chloride	MG/L	4915A	02/09/1993		22.1000
Chloride	MG/L	4915A	05/26/1993		16.3500
Chloride	MG/L	4915A	08/18/1993		19.6500
Chloride	MG/L	4915A	11/16/1993		17.4750
Chloride	MG/L	4915A	02/24/1994		16.8250
Chloride	MG/L	4915A	05/11/1994		16.1750
Chloride	MG/L	4915A	08/11/1994		16.0000
Chloride	MG/L	4915A	11/11/1994		19.3000
Chloride	MG/L	4915A	12/07/1994		22.0000
Chloride	MG/L	4915A	02/03/1995		25.6000
Chloride	MG/L	4915A	05/04/1995		16.8000
Chloride	MG/L	4915A	08/08/1995		17.4000

* - Outlier for that well and constituent.
ND = Not detected, result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date	Result
Chloride	MG/L	4915A	11/03/1995	17.5000
Chloride	MG/L	4915A	02/06/1996	18.6000
Chloride	MG/L	4915A	08/13/1996	18.7000
Chloride	MG/L	4915A	02/12/1997	34.9000
Chloride	MG/L	4915A	08/05/1997	19.2000
Chloride	MG/L	4915A	02/04/1998	40.6000
Chloride	MG/L	4915A	08/04/1998	14.8000
Chloride	MG/L	4915A	02/18/1999	16.8000
Chloride	MG/L	4915A	08/24/1999	19.1000
Chloride	MG/L	4915A	02/18/2000	17.6000
Chloride	MG/L	4915A	07/26/2000	18.0000
Chloride	MG/L	4915A	03/08/2001	14.9000
Chloride	MG/L	4915A	08/21/2001	18.1000
Chloride	MG/L	4915A	02/21/2002	22.6000
Chloride	MG/L	4915A	08/06/2002	42.0000
Chloride	MG/L	4915A	02/10/2003	34.0000
Chloride	MG/L	4915A	09/25/2003	24.0000
Chloride	MG/L	4915A	02/16/2004	27.0000
Chloride	MG/L	4915B	02/11/1991	77.2000
Chloride	MG/L	4915B	05/10/1991	106.0000
Chloride	MG/L	4915B	08/12/1991	16.8250
Chloride	MG/L	4915B	11/06/1991	15.7500
Chloride	MG/L	4915B	02/11/1992	39.9500
Chloride	MG/L	4915B	05/13/1992	80.7000
Chloride	MG/L	4915B	08/10/1992	43.8000
Chloride	MG/L	4915B	11/17/1992	11.1750
Chloride	MG/L	4915B	02/09/1993	78.3500
Chloride	MG/L	4915B	05/25/1993	22.6250
Chloride	MG/L	4915B	08/13/1993	14.9750
Chloride	MG/L	4915B	11/18/1993	18.4500
Chloride	MG/L	4915B	02/23/1994	35.8000
Chloride	MG/L	4915B	05/10/1994	51.6750
Chloride	MG/L	4915B	08/16/1994	41.5000
Chloride	MG/L	4915B	11/07/1994	12.9000
Chloride	MG/L	4915B	12/07/1994	12.5000
Chloride	MG/L	4915B	02/01/1995	14.3000
Chloride	MG/L	4915B	04/19/1995	10.7000
Chloride	MG/L	4915B	05/08/1995	10.3000
Chloride	MG/L	4915B	08/10/1995	9.2000
Chloride	MG/L	4915B	11/07/1995	17.1000
Chloride	MG/L	4915B	02/12/1996	9.2000
Chloride	MG/L	4915B	08/19/1996	12.4000
Chloride	MG/L	4915B	02/13/1997	12.5000
Chloride	MG/L	4915B	08/06/1997	11.8000
Chloride	MG/L	4915B	02/09/1998	14.6000
Chloride	MG/L	4915B	08/06/1998	7.6000
Chloride	MG/L	4915B	02/22/1999	7.5000
Chloride	MG/L	4915B	08/25/1999	11.7000
Chloride	MG/L	4915B	03/21/2000	14.7000
Chloride	MG/L	4915B	08/07/2000	12.2000
Chloride	MG/L	4915B	03/13/2001	14.8000
Chloride	MG/L	4915B	08/16/2001	16.2000
Chloride	MG/L	4915B	02/22/2002	12.1000
Chloride	MG/L	4915B	08/28/2002	26.0000
Chloride	MG/L	4915B	02/18/2003	70.0000
Chloride	MG/L	4915B	09/26/2003	16.0000
Chloride	MG/L	4915B	02/27/2004	13.0000
Chloride	MG/L	4915C	05/14/1991	17.7250
Chloride	MG/L	4915C	11/07/1991	23.7000
Chloride	MG/L	4915C	02/12/1992	22.7500
Chloride	MG/L	4915C	05/14/1992	20.1000
Chloride	MG/L	4915C	08/04/1992	19.5500
Chloride	MG/L	4915C	11/17/1992	16.8750
Chloride	MG/L	4915C	02/11/1993	18.0000
Chloride	MG/L	4915C	05/25/1993	15.9500

* - Outlier for that well and constituent.
ND = Not detected, result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result
Chloride	MG/L	4915C	08/18/1993		16.0000
Chloride	MG/L	4915C	11/16/1993		17.2750
Chloride	MG/L	4915C	02/23/1994		16.5500
Chloride	MG/L	4915C	05/11/1994		15.7250
Chloride	MG/L	4915C	08/15/1994		15.5000
Chloride	MG/L	4915C	11/10/1994		16.0000
Chloride	MG/L	4915C	02/07/1995		16.2000
Chloride	MG/L	4915C	05/04/1995		16.4000
Chloride	MG/L	4915C	08/09/1995		15.6000
Chloride	MG/L	4915C	11/06/1995		18.6000
Chloride	MG/L	4915C	02/07/1996		18.0000
Chloride	MG/L	4915C	08/13/1996		16.9000
Chloride	MG/L	4915C	02/12/1997		19.0000
Chloride	MG/L	4915C	08/05/1997		18.0000
Chloride	MG/L	4915C	02/05/1998		21.4000
Chloride	MG/L	4915C	08/03/1998		12.8000
Chloride	MG/L	4915C	02/18/1999		16.5000
Chloride	MG/L	4915C	08/24/1999		18.6000
Chloride	MG/L	4915C	02/18/2000		17.5000
Chloride	MG/L	4915C	07/19/2000		16.6000
Chloride	MG/L	4915C	03/08/2001		14.1000
Chloride	MG/L	4915C	08/21/2001		19.0000
Chloride	MG/L	4915C	02/20/2002		26.7000
Chloride	MG/L	4915C	09/25/2003		24.0000
Chloride	MG/L	4915C	02/16/2004		30.0000
Fluoride	MG/L	4915A	02/11/1991		0.4900
Fluoride	MG/L	4915A	05/10/1991		0.4600
Fluoride	MG/L	4915A	08/12/1991		0.4300
Fluoride	MG/L	4915A	11/06/1991		0.4300
Fluoride	MG/L	4915A	02/11/1992		0.4200
Fluoride	MG/L	4915A	05/14/1992		0.1400
Fluoride	MG/L	4915A	08/10/1992		0.1900
Fluoride	MG/L	4915A	11/18/1992		0.1900
Fluoride	MG/L	4915A	02/09/1993		0.2100
Fluoride	MG/L	4915A	05/26/1993	ND	1.0000
Fluoride	MG/L	4915A	08/18/1993	ND	1.0000
Fluoride	MG/L	4915A	11/16/1993	ND	1.0000
Fluoride	MG/L	4915A	02/24/1994	ND	1.0000
Fluoride	MG/L	4915A	05/11/1994	ND	1.0000
Fluoride	MG/L	4915A	08/11/1994		0.2900
Fluoride	MG/L	4915A	11/11/1994		0.6400
Fluoride	MG/L	4915A	12/07/1994		0.5600
Fluoride	MG/L	4915A	02/03/1995		0.5400
Fluoride	MG/L	4915A	05/04/1995		0.5200
Fluoride	MG/L	4915A	08/08/1995		0.5500
Fluoride	MG/L	4915A	11/03/1995		0.5000
Fluoride	MG/L	4915A	02/06/1996		0.5100
Fluoride	MG/L	4915A	08/13/1996		0.6000
Fluoride	MG/L	4915A	02/12/1997		0.4900
Fluoride	MG/L	4915A	08/05/1997		0.6100
Fluoride	MG/L	4915A	02/04/1998		0.5100
Fluoride	MG/L	4915A	08/04/1998		0.6400
Fluoride	MG/L	4915A	02/18/1999	ND	1.0000
Fluoride	MG/L	4915A	08/24/1999	ND	1.0000
Fluoride	MG/L	4915A	02/18/2000	ND	1.0000
Fluoride	MG/L	4915A	07/26/2000	ND	1.0000
Fluoride	MG/L	4915A	03/08/2001	ND	1.0000
Fluoride	MG/L	4915A	08/21/2001	ND	1.0000
Fluoride	MG/L	4915A	02/21/2002	ND	1.0000
Fluoride	MG/L	4915A	08/06/2002	ND	1.0000
Fluoride	MG/L	4915A	02/10/2003	ND	1.0000
Fluoride	MG/L	4915A	09/25/2003	ND	1.0000
Fluoride	MG/L	4915A	02/16/2004	ND	1.0000
Fluoride	MG/L	4915B	02/11/1991		0.4200
Fluoride	MG/L	4915B	05/10/1991		0.4500

* - Outlier for that well and constituent.
ND = Not detected, result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result
Fluoride	MG/L	4915B	08/12/1991		0.5200
Fluoride	MG/L	4915B	11/06/1991		0.5500
Fluoride	MG/L	4915B	02/11/1992		0.5200
Fluoride	MG/L	4915B	05/13/1992		0.4200
Fluoride	MG/L	4915B	08/10/1992		0.4600
Fluoride	MG/L	4915B	11/17/1992		0.5100
Fluoride	MG/L	4915B	02/09/1993		0.3800
Fluoride	MG/L	4915B	05/25/1993	ND	1.0000
Fluoride	MG/L	4915B	08/13/1993	ND	1.0000
Fluoride	MG/L	4915B	11/18/1993	ND	1.0000
Fluoride	MG/L	4915B	02/23/1994	ND	1.0000
Fluoride	MG/L	4915B	05/10/1994	ND	1.0000
Fluoride	MG/L	4915B	08/16/1994		0.4900
Fluoride	MG/L	4915B	11/07/1994		0.6800
Fluoride	MG/L	4915B	12/07/1994		0.6000
Fluoride	MG/L	4915B	02/01/1995		0.6700
Fluoride	MG/L	4915B	04/19/1995		0.8500
Fluoride	MG/L	4915B	05/08/1995		0.8200
Fluoride	MG/L	4915B	08/10/1995		0.7100
Fluoride	MG/L	4915B	11/07/1995		0.6000
Fluoride	MG/L	4915B	02/12/1996		0.6400
Fluoride	MG/L	4915B	08/19/1996		0.5700
Fluoride	MG/L	4915B	02/13/1997		0.5800
Fluoride	MG/L	4915B	08/06/1997		0.5600
Fluoride	MG/L	4915B	02/09/1998		0.5100
Fluoride	MG/L	4915B	08/06/1998		0.7000
Fluoride	MG/L	4915B	02/22/1999	ND	1.0000
Fluoride	MG/L	4915B	08/25/1999	ND	1.0000
Fluoride	MG/L	4915B	03/21/2000	ND	1.0000
Fluoride	MG/L	4915B	08/07/2000	ND	1.0000
Fluoride	MG/L	4915B	03/13/2001	ND	1.0000
Fluoride	MG/L	4915B	08/16/2001	ND	1.0000
Fluoride	MG/L	4915B	02/22/2002	ND	1.0000
Fluoride	MG/L	4915B	08/28/2002	ND	1.0000
Fluoride	MG/L	4915B	02/18/2003	ND	1.0000
Fluoride	MG/L	4915B	09/26/2003	ND	1.0000
Fluoride	MG/L	4915B	02/27/2004	ND	1.0000
Fluoride	MG/L	4915C	05/14/1991		0.4100
Fluoride	MG/L	4915C	11/07/1991		0.4000
Fluoride	MG/L	4915C	02/12/1992		0.4400
Fluoride	MG/L	4915C	05/14/1992		0.4900
Fluoride	MG/L	4915C	08/04/1992		0.4600
Fluoride	MG/L	4915C	11/17/1992		0.4400
Fluoride	MG/L	4915C	02/11/1993		0.4930
Fluoride	MG/L	4915C	05/25/1993	ND	1.0000
Fluoride	MG/L	4915C	08/18/1993	ND	1.0000
Fluoride	MG/L	4915C	11/16/1993	ND	1.0000
Fluoride	MG/L	4915C	02/23/1994	ND	1.0000
Fluoride	MG/L	4915C	05/11/1994	ND	1.0000
Fluoride	MG/L	4915C	08/15/1994		0.5500
Fluoride	MG/L	4915C	11/10/1994		0.6000
Fluoride	MG/L	4915C	02/07/1995		0.5400
Fluoride	MG/L	4915C	05/04/1995		0.5900
Fluoride	MG/L	4915C	08/09/1995		0.6000
Fluoride	MG/L	4915C	11/06/1995		0.6300
Fluoride	MG/L	4915C	02/07/1996		0.6600
Fluoride	MG/L	4915C	08/13/1996		0.6600
Fluoride	MG/L	4915C	02/12/1997		0.6300
Fluoride	MG/L	4915C	08/05/1997		0.7000
Fluoride	MG/L	4915C	02/05/1998		0.6600
Fluoride	MG/L	4915C	08/03/1998		0.7300
Fluoride	MG/L	4915C	02/18/1999	ND	1.0000
Fluoride	MG/L	4915C	08/24/1999	ND	1.0000
Fluoride	MG/L	4915C	02/18/2000	ND	1.0000
Fluoride	MG/L	4915C	07/19/2000	ND	1.0000

* - Outlier for that well and constituent.
ND = Not detected, result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	
Fluoride	MG/L	4915C	03/08/2001	ND	1.0000	
Fluoride	MG/L	4915C	08/21/2001	ND	1.0000	
Fluoride	MG/L	4915C	02/20/2002	ND	1.0000	
Fluoride	MG/L	4915C	09/25/2003	ND	1.0000	
Fluoride	MG/L	4915C	02/16/2004	ND	1.0000	
Iron-dissolved	UG/L	4915A	09/10/1992	ND	100.0000	
Iron-dissolved	UG/L	4915A	08/11/1994		4480.0000	
Iron-dissolved	UG/L	4915A	11/11/1994	ND	100.0000	
Iron-dissolved	UG/L	4915A	12/07/1994	ND	100.0000	
Iron-dissolved	UG/L	4915A	02/03/1995		484.0000	
Iron-dissolved	UG/L	4915A	05/04/1995	ND	100.0000	
Iron-dissolved	UG/L	4915A	08/08/1995		9270.0000	*
Iron-dissolved	UG/L	4915A	11/03/1995		11000.0000	*
Iron-dissolved	UG/L	4915A	03/08/2001	ND	100.0000	
Iron-dissolved	UG/L	4915A	08/21/2001	ND	100.0000	
Iron-dissolved	UG/L	4915A	02/21/2002	ND	100.0000	
Iron-dissolved	UG/L	4915A	08/06/2002	ND	100.0000	
Iron-dissolved	UG/L	4915A	02/10/2003	ND	100.0000	
Iron-dissolved	UG/L	4915A	09/25/2003		130.0000	
Iron-dissolved	UG/L	4915A	02/16/2004		120.0000	
Iron-dissolved	UG/L	4915B	08/16/1994		5401.5000	*
Iron-dissolved	UG/L	4915B	11/07/1994		935.0000	
Iron-dissolved	UG/L	4915B	12/07/1994	ND	100.0000	
Iron-dissolved	UG/L	4915B	02/01/1995		118.0000	
Iron-dissolved	UG/L	4915B	04/19/1995	ND	100.0000	
Iron-dissolved	UG/L	4915B	05/08/1995	ND	100.0000	
Iron-dissolved	UG/L	4915B	08/10/1995		443.0000	
Iron-dissolved	UG/L	4915B	11/07/1995		171.0000	
Iron-dissolved	UG/L	4915B	03/13/2001	ND	100.0000	
Iron-dissolved	UG/L	4915B	08/16/2001	ND	100.0000	
Iron-dissolved	UG/L	4915B	02/22/2002	ND	100.0000	
Iron-dissolved	UG/L	4915B	08/28/2002	ND	100.0000	
Iron-dissolved	UG/L	4915B	02/18/2003	ND	100.0000	
Iron-dissolved	UG/L	4915B	09/26/2003	ND	100.0000	
Iron-dissolved	UG/L	4915B	02/27/2004	ND	100.0000	
Iron-dissolved	UG/L	4915C	08/15/1994	ND	100.0000	
Iron-dissolved	UG/L	4915C	11/10/1994	ND	100.0000	
Iron-dissolved	UG/L	4915C	02/07/1995	ND	100.0000	
Iron-dissolved	UG/L	4915C	05/04/1995	ND	100.0000	
Iron-dissolved	UG/L	4915C	08/09/1995	ND	100.0000	
Iron-dissolved	UG/L	4915C	11/06/1995	ND	100.0000	
Iron-dissolved	UG/L	4915C	03/08/2001		165.0000	
Iron-dissolved	UG/L	4915C	08/21/2001	ND	100.0000	
Iron-dissolved	UG/L	4915C	02/20/2002	ND	100.0000	
Iron-dissolved	UG/L	4915C	09/25/2003	ND	100.0000	
Iron-dissolved	UG/L	4915C	02/16/2004	ND	100.0000	
Magnesium-dissolved	UG/L	4915A	09/10/1992		8220.0000	
Magnesium-dissolved	UG/L	4915A	08/11/1994		20250.0000	
Magnesium-dissolved	UG/L	4915A	11/11/1994		19700.0000	
Magnesium-dissolved	UG/L	4915A	12/07/1994		21300.0000	
Magnesium-dissolved	UG/L	4915A	02/03/1995		21400.0000	
Magnesium-dissolved	UG/L	4915A	05/04/1995		21500.0000	
Magnesium-dissolved	UG/L	4915A	08/08/1995		18000.0000	
Magnesium-dissolved	UG/L	4915A	11/03/1995		14800.0000	
Magnesium-dissolved	UG/L	4915A	08/13/1996		17000.0000	
Magnesium-dissolved	UG/L	4915A	02/12/1997		26400.0000	
Magnesium-dissolved	UG/L	4915A	08/05/1997		17300.0000	
Magnesium-dissolved	UG/L	4915A	02/04/1998		28900.0000	
Magnesium-dissolved	UG/L	4915A	08/04/1998		18700.0000	
Magnesium-dissolved	UG/L	4915A	02/18/1999		17200.0000	
Magnesium-dissolved	UG/L	4915A	08/24/1999		17100.0000	
Magnesium-dissolved	UG/L	4915A	02/18/2000		14400.0000	
Magnesium-dissolved	UG/L	4915A	07/26/2000		16500.0000	
Magnesium-dissolved	UG/L	4915A	03/08/2001		12900.0000	
Magnesium-dissolved	UG/L	4915A	08/21/2001		15300.0000	

* - Outlier for that well and constituent.
ND = Not detected, result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	
Magnesium-dissolved	UG/L	4915A	02/21/2002		13700.0000	
Magnesium-dissolved	UG/L	4915A	08/06/2002		15000.0000	
Magnesium-dissolved	UG/L	4915A	02/10/2003		12000.0000	
Magnesium-dissolved	UG/L	4915A	09/25/2003		15000.0000	
Magnesium-dissolved	UG/L	4915A	02/16/2004		17000.0000	
Magnesium-dissolved	UG/L	4915B	08/16/1994		17650.0000	
Magnesium-dissolved	UG/L	4915B	11/07/1994		14300.0000	
Magnesium-dissolved	UG/L	4915B	12/07/1994		14400.0000	
Magnesium-dissolved	UG/L	4915B	02/01/1995		17900.0000	
Magnesium-dissolved	UG/L	4915B	04/19/1995	ND	5000.0000	
Magnesium-dissolved	UG/L	4915B	05/08/1995	ND	5000.0000	
Magnesium-dissolved	UG/L	4915B	08/10/1995		6660.0000	
Magnesium-dissolved	UG/L	4915B	11/07/1995		9160.0000	
Magnesium-dissolved	UG/L	4915B	08/19/1996		13300.0000	
Magnesium-dissolved	UG/L	4915B	02/13/1997		13600.0000	
Magnesium-dissolved	UG/L	4915B	08/06/1997		12400.0000	
Magnesium-dissolved	UG/L	4915B	02/09/1998		13600.0000	
Magnesium-dissolved	UG/L	4915B	08/06/1998		6970.0000	
Magnesium-dissolved	UG/L	4915B	02/22/1999		11400.0000	
Magnesium-dissolved	UG/L	4915B	08/25/1999		14700.0000	
Magnesium-dissolved	UG/L	4915B	03/21/2000		16100.0000	
Magnesium-dissolved	UG/L	4915B	08/07/2000		16000.0000	
Magnesium-dissolved	UG/L	4915B	03/13/2001		14000.0000	
Magnesium-dissolved	UG/L	4915B	08/16/2001		11500.0000	
Magnesium-dissolved	UG/L	4915B	02/22/2002		12000.0000	
Magnesium-dissolved	UG/L	4915B	08/28/2002		20000.0000	
Magnesium-dissolved	UG/L	4915B	02/18/2003		25000.0000	
Magnesium-dissolved	UG/L	4915B	09/26/2003		13000.0000	
Magnesium-dissolved	UG/L	4915B	02/27/2004		12000.0000	
Magnesium-dissolved	UG/L	4915C	08/15/1994		21750.0000	
Magnesium-dissolved	UG/L	4915C	11/10/1994		20800.0000	
Magnesium-dissolved	UG/L	4915C	02/07/1995		22400.0000	
Magnesium-dissolved	UG/L	4915C	05/04/1995		21100.0000	
Magnesium-dissolved	UG/L	4915C	08/09/1995		17500.0000	
Magnesium-dissolved	UG/L	4915C	11/06/1995		14700.0000	
Magnesium-dissolved	UG/L	4915C	08/13/1996		17900.0000	
Magnesium-dissolved	UG/L	4915C	02/12/1997		19500.0000	
Magnesium-dissolved	UG/L	4915C	08/05/1997		16300.0000	
Magnesium-dissolved	UG/L	4915C	02/05/1998		13900.0000	
Magnesium-dissolved	UG/L	4915C	08/03/1998		16300.0000	
Magnesium-dissolved	UG/L	4915C	02/18/1999		16700.0000	
Magnesium-dissolved	UG/L	4915C	08/24/1999		16100.0000	
Magnesium-dissolved	UG/L	4915C	02/18/2000		13700.0000	
Magnesium-dissolved	UG/L	4915C	07/19/2000		14600.0000	
Magnesium-dissolved	UG/L	4915C	03/08/2001		11800.0000	
Magnesium-dissolved	UG/L	4915C	08/21/2001		14000.0000	
Magnesium-dissolved	UG/L	4915C	02/20/2002		12700.0000	
Magnesium-dissolved	UG/L	4915C	09/25/2003		14000.0000	
Magnesium-dissolved	UG/L	4915C	02/16/2004		17000.0000	
Nitrogen, nitrate	MG/L	4915A	09/10/1992	ND	0.0500	
Nitrogen, nitrate	MG/L	4915A	02/09/1993	ND	0.0500	
Nitrogen, nitrate	MG/L	4915A	11/16/1993		0.6800	
Nitrogen, nitrate	MG/L	4915A	12/07/1994		0.4500	
Nitrogen, nitrate	MG/L	4915A	02/03/1995		1.2900	
Nitrogen, nitrate	MG/L	4915A	05/04/1995		0.9600	
Nitrogen, nitrate	MG/L	4915A	08/08/1995		1.6000	
Nitrogen, nitrate	MG/L	4915A	11/03/1995		0.7200	
Nitrogen, nitrate	MG/L	4915A	02/06/1996	ND	0.0500	
Nitrogen, nitrate	MG/L	4915A	08/13/1996		0.2600	
Nitrogen, nitrate	MG/L	4915A	02/12/1997		5.6100	
Nitrogen, nitrate	MG/L	4915A	08/05/1997		0.5500	
Nitrogen, nitrate	MG/L	4915A	02/04/1998		11.5000	*
Nitrogen, nitrate	MG/L	4915A	08/04/1998		1.6900	
Nitrogen, nitrate	MG/L	4915A	08/06/2002	ND	0.5000	
Nitrogen, nitrate	MG/L	4915A	02/10/2003	ND	0.5000	

* - Outlier for that well and constituent.
ND = Not detected, result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result
Nitrogen, nitrate	MG/L	4915A	09/25/2003		1.0000
Nitrogen, nitrate	MG/L	4915A	02/16/2004		0.5300
Nitrogen, nitrate	MG/L	4915B	02/09/1993		2.4700
Nitrogen, nitrate	MG/L	4915B	11/18/1993		0.0660
Nitrogen, nitrate	MG/L	4915B	12/07/1994		0.8900
Nitrogen, nitrate	MG/L	4915B	02/01/1995		1.4400
Nitrogen, nitrate	MG/L	4915B	04/19/1995		1.3000
Nitrogen, nitrate	MG/L	4915B	05/08/1995		0.4300
Nitrogen, nitrate	MG/L	4915B	08/10/1995		1.2600
Nitrogen, nitrate	MG/L	4915B	11/07/1995		1.1600
Nitrogen, nitrate	MG/L	4915B	02/12/1996		0.4900
Nitrogen, nitrate	MG/L	4915B	08/19/1996		1.1100
Nitrogen, nitrate	MG/L	4915B	02/13/1997		1.0400
Nitrogen, nitrate	MG/L	4915B	08/06/1997		0.8500
Nitrogen, nitrate	MG/L	4915B	02/09/1998		0.2600
Nitrogen, nitrate	MG/L	4915B	08/06/1998		0.9000
Nitrogen, nitrate	MG/L	4915B	08/28/2002		0.8700
Nitrogen, nitrate	MG/L	4915B	02/18/2003		2.5000
Nitrogen, nitrate	MG/L	4915B	09/26/2003		1.1000
Nitrogen, nitrate	MG/L	4915B	02/27/2004		0.5000
Nitrogen, nitrate	MG/L	4915C	02/11/1993		0.8200
Nitrogen, nitrate	MG/L	4915C	11/16/1993		0.9700
Nitrogen, nitrate	MG/L	4915C	02/07/1995		0.1500
Nitrogen, nitrate	MG/L	4915C	05/04/1995		1.1300
Nitrogen, nitrate	MG/L	4915C	08/09/1995		1.6800
Nitrogen, nitrate	MG/L	4915C	11/06/1995		0.4200
Nitrogen, nitrate	MG/L	4915C	02/07/1996		0.3400
Nitrogen, nitrate	MG/L	4915C	08/13/1996		0.2400
Nitrogen, nitrate	MG/L	4915C	02/12/1997		0.1300
Nitrogen, nitrate	MG/L	4915C	08/05/1997		0.3400
Nitrogen, nitrate	MG/L	4915C	02/05/1998		0.1600
Nitrogen, nitrate	MG/L	4915C	08/03/1998		1.5700
Nitrogen, nitrate	MG/L	4915C	09/25/2003	ND	0.5000
Nitrogen, nitrate	MG/L	4915C	02/16/2004		0.8300
Sodium-dissolved	MG/L	4915A	09/10/1992		26.9000
Sodium-dissolved	MG/L	4915A	12/07/1994		32.0000
Sodium-dissolved	MG/L	4915A	02/03/1995		30.7000
Sodium-dissolved	MG/L	4915A	05/04/1995		33.9000
Sodium-dissolved	MG/L	4915A	08/08/1995		30.7000
Sodium-dissolved	MG/L	4915A	11/03/1995		29.2000
Sodium-dissolved	MG/L	4915A	02/06/1996		29.9000
Sodium-dissolved	MG/L	4915A	08/13/1996		30.2000
Sodium-dissolved	MG/L	4915A	02/12/1997		30.2000
Sodium-dissolved	MG/L	4915A	08/05/1997		28.6000
Sodium-dissolved	MG/L	4915A	02/04/1998		37.5000
Sodium-dissolved	MG/L	4915A	08/04/1998		26.9000
Sodium-dissolved	MG/L	4915A	02/18/1999		30.8000
Sodium-dissolved	MG/L	4915A	08/24/1999		27.0000
Sodium-dissolved	MG/L	4915A	02/18/2000		24.0000
Sodium-dissolved	MG/L	4915A	07/26/2000		26.8000
Sodium-dissolved	MG/L	4915A	03/08/2001		24.9000
Sodium-dissolved	MG/L	4915A	08/21/2001		28.1000
Sodium-dissolved	MG/L	4915A	02/21/2002		27.5000
Sodium-dissolved	MG/L	4915A	08/06/2002		32.0000
Sodium-dissolved	MG/L	4915A	02/10/2003		27.0000
Sodium-dissolved	MG/L	4915A	09/25/2003		28.0000
Sodium-dissolved	MG/L	4915A	02/16/2004		30.0000
Sodium-dissolved	MG/L	4915B	12/07/1994		29.4000
Sodium-dissolved	MG/L	4915B	02/01/1995		34.7000
Sodium-dissolved	MG/L	4915B	04/19/1995		61.5000
Sodium-dissolved	MG/L	4915B	05/08/1995		61.9000
Sodium-dissolved	MG/L	4915B	08/10/1995		43.7000
Sodium-dissolved	MG/L	4915B	11/07/1995		44.6000
Sodium-dissolved	MG/L	4915B	02/12/1996		28.7000
Sodium-dissolved	MG/L	4915B	08/19/1996		24.5000

* - Outlier for that well and constituent.
ND = Not detected, result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date	Result
Sodium-dissolved	MG/L	4915B	02/13/1997	26.8000
Sodium-dissolved	MG/L	4915B	08/06/1997	22.6000
Sodium-dissolved	MG/L	4915B	02/09/1998	23.4000
Sodium-dissolved	MG/L	4915B	08/06/1998	33.1000
Sodium-dissolved	MG/L	4915B	02/22/1999	27.7000
Sodium-dissolved	MG/L	4915B	08/25/1999	23.8000
Sodium-dissolved	MG/L	4915B	03/21/2000	26.8000
Sodium-dissolved	MG/L	4915B	08/07/2000	27.9000
Sodium-dissolved	MG/L	4915B	03/13/2001	24.7000
Sodium-dissolved	MG/L	4915B	08/16/2001	28.4000
Sodium-dissolved	MG/L	4915B	02/22/2002	23.4000
Sodium-dissolved	MG/L	4915B	08/28/2002	31.0000
Sodium-dissolved	MG/L	4915B	02/18/2003	34.0000
Sodium-dissolved	MG/L	4915B	09/26/2003	24.0000
Sodium-dissolved	MG/L	4915B	02/27/2004	24.0000
Sodium-dissolved	MG/L	4915C	02/07/1995	32.7000
Sodium-dissolved	MG/L	4915C	05/04/1995	33.2000
Sodium-dissolved	MG/L	4915C	08/09/1995	29.7000
Sodium-dissolved	MG/L	4915C	11/06/1995	28.3000
Sodium-dissolved	MG/L	4915C	02/07/1996	24.3000
Sodium-dissolved	MG/L	4915C	08/13/1996	31.9000
Sodium-dissolved	MG/L	4915C	02/12/1997	27.2000
Sodium-dissolved	MG/L	4915C	08/05/1997	28.0000
Sodium-dissolved	MG/L	4915C	02/05/1998	29.0000
Sodium-dissolved	MG/L	4915C	08/03/1998	24.3000
Sodium-dissolved	MG/L	4915C	02/18/1999	30.6000
Sodium-dissolved	MG/L	4915C	08/24/1999	25.6000
Sodium-dissolved	MG/L	4915C	02/18/2000	25.7000
Sodium-dissolved	MG/L	4915C	07/19/2000	27.6000
Sodium-dissolved	MG/L	4915C	03/08/2001	25.2000
Sodium-dissolved	MG/L	4915C	08/21/2001	28.9000
Sodium-dissolved	MG/L	4915C	02/20/2002	28.2000
Sodium-dissolved	MG/L	4915C	09/25/2003	28.0000
Sodium-dissolved	MG/L	4915C	02/16/2004	32.0000
Specific conductance	UMHOS/CM	4915A	02/11/1991	408.0000
Specific conductance	UMHOS/CM	4915A	02/11/1992	563.0000
Specific conductance	UMHOS/CM	4915A	05/14/1992	187.0000
Specific conductance	UMHOS/CM	4915A	08/10/1992	306.0000
Specific conductance	UMHOS/CM	4915A	09/10/1992	253.0000
Specific conductance	UMHOS/CM	4915A	02/09/1993	263.0000
Specific conductance	UMHOS/CM	4915A	05/26/1993	540.0000
Specific conductance	UMHOS/CM	4915A	08/18/1993	369.0000
Specific conductance	UMHOS/CM	4915A	02/24/1994	565.0000
Specific conductance	UMHOS/CM	4915A	05/11/1994	635.0000
Specific conductance	UMHOS/CM	4915A	08/11/1994	634.0000
Specific conductance	UMHOS/CM	4915A	11/11/1994	647.0000
Specific conductance	UMHOS/CM	4915A	02/03/1995	636.0000
Specific conductance	UMHOS/CM	4915A	05/04/1995	655.0000
Specific conductance	UMHOS/CM	4915A	08/08/1995	572.0000
Specific conductance	UMHOS/CM	4915A	11/03/1995	530.0000
Specific conductance	UMHOS/CM	4915A	03/08/2001	400.0000
Specific conductance	UMHOS/CM	4915A	08/06/2002	460.0000
Specific conductance	UMHOS/CM	4915A	02/10/2003	380.0000
Specific conductance	UMHOS/CM	4915A	09/25/2003	500.0000
Specific conductance	UMHOS/CM	4915A	02/16/2004	500.0000
Specific conductance	UMHOS/CM	4915B	02/11/1991	846.0000
Specific conductance	UMHOS/CM	4915B	02/11/1992	579.0000
Specific conductance	UMHOS/CM	4915B	05/13/1992	786.0000
Specific conductance	UMHOS/CM	4915B	08/10/1992	579.0000
Specific conductance	UMHOS/CM	4915B	02/09/1993	820.0000
Specific conductance	UMHOS/CM	4915B	05/25/1993	462.0000
Specific conductance	UMHOS/CM	4915B	08/13/1993	404.0000
Specific conductance	UMHOS/CM	4915B	02/23/1994	582.0000
Specific conductance	UMHOS/CM	4915B	05/10/1994	756.0000
Specific conductance	UMHOS/CM	4915B	08/16/1994	663.0000

* - Outlier for that well and constituent.
ND = Not detected, result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date	Result
Specific conductance	UMHOS/CM	4915B	11/07/1994	470.0000
Specific conductance	UMHOS/CM	4915B	02/01/1995	590.0000
Specific conductance	UMHOS/CM	4915B	05/08/1995	399.0000
Specific conductance	UMHOS/CM	4915B	08/10/1995	400.0000
Specific conductance	UMHOS/CM	4915B	11/07/1995	454.0000
Specific conductance	UMHOS/CM	4915B	03/13/2001	468.0000
Specific conductance	UMHOS/CM	4915B	08/28/2002	580.0000
Specific conductance	UMHOS/CM	4915B	02/18/2003	690.0000
Specific conductance	UMHOS/CM	4915B	09/26/2003	420.0000
Specific conductance	UMHOS/CM	4915B	02/27/2004	440.0000
Specific conductance	UMHOS/CM	4915C	02/12/1992	511.0000
Specific conductance	UMHOS/CM	4915C	05/14/1992	514.0000
Specific conductance	UMHOS/CM	4915C	08/04/1992	536.0000
Specific conductance	UMHOS/CM	4915C	02/11/1993	529.0000
Specific conductance	UMHOS/CM	4915C	05/25/1993	567.0000
Specific conductance	UMHOS/CM	4915C	08/18/1993	523.0000
Specific conductance	UMHOS/CM	4915C	02/23/1994	605.0000
Specific conductance	UMHOS/CM	4915C	05/11/1994	636.0000
Specific conductance	UMHOS/CM	4915C	08/15/1994	680.0000
Specific conductance	UMHOS/CM	4915C	11/10/1994	660.0000
Specific conductance	UMHOS/CM	4915C	02/07/1995	635.0000
Specific conductance	UMHOS/CM	4915C	05/04/1995	665.0000
Specific conductance	UMHOS/CM	4915C	08/09/1995	532.0000
Specific conductance	UMHOS/CM	4915C	11/06/1995	515.0000
Specific conductance	UMHOS/CM	4915C	03/08/2001	410.0000
Specific conductance	UMHOS/CM	4915C	09/25/2003	420.0000
Specific conductance	UMHOS/CM	4915C	02/16/2004	560.0000
Sulfate	MG/L	4915A	02/11/1991	41.3000
Sulfate	MG/L	4915A	05/10/1991	53.4250
Sulfate	MG/L	4915A	08/12/1991	74.6500
Sulfate	MG/L	4915A	11/06/1991	63.9500
Sulfate	MG/L	4915A	02/11/1992	65.6500
Sulfate	MG/L	4915A	05/14/1992	29.2250
Sulfate	MG/L	4915A	08/10/1992	34.2750
Sulfate	MG/L	4915A	09/10/1992	43.6000
Sulfate	MG/L	4915A	11/18/1992	40.8000
Sulfate	MG/L	4915A	02/09/1993	36.0000
Sulfate	MG/L	4915A	05/26/1993	58.0750
Sulfate	MG/L	4915A	08/18/1993	48.1750
Sulfate	MG/L	4915A	11/16/1993	49.6500
Sulfate	MG/L	4915A	02/24/1994	64.2000
Sulfate	MG/L	4915A	05/11/1994	60.7500
Sulfate	MG/L	4915A	08/11/1994	61.2000
Sulfate	MG/L	4915A	11/11/1994	59.1000
Sulfate	MG/L	4915A	12/07/1994	66.3000
Sulfate	MG/L	4915A	02/03/1995	65.0000
Sulfate	MG/L	4915A	05/04/1995	60.1000
Sulfate	MG/L	4915A	08/08/1995	54.4000
Sulfate	MG/L	4915A	11/03/1995	51.7000
Sulfate	MG/L	4915A	02/06/1996	56.7000
Sulfate	MG/L	4915A	08/13/1996	76.3000
Sulfate	MG/L	4915A	02/12/1997	69.6000
Sulfate	MG/L	4915A	08/05/1997	61.5000
Sulfate	MG/L	4915A	02/04/1998	184.0000
Sulfate	MG/L	4915A	08/04/1998	53.4000
Sulfate	MG/L	4915A	02/18/1999	59.4000
Sulfate	MG/L	4915A	08/24/1999	61.4000
Sulfate	MG/L	4915A	02/18/2000	60.6000
Sulfate	MG/L	4915A	07/26/2000	60.5000
Sulfate	MG/L	4915A	03/08/2001	51.6000
Sulfate	MG/L	4915A	08/21/2001	51.7000
Sulfate	MG/L	4915A	02/21/2002	49.0000
Sulfate	MG/L	4915A	08/06/2002	51.0000
Sulfate	MG/L	4915A	02/10/2003	49.0000
Sulfate	MG/L	4915A	09/25/2003	54.0000

* - Outlier for that well and constituent.
ND = Not detected, result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result
Sulfate	MG/L	4915A	02/16/2004		48.0000
Sulfate	MG/L	4915B	02/11/1991		135.5000
Sulfate	MG/L	4915B	05/10/1991		202.7500
Sulfate	MG/L	4915B	08/12/1991		75.3500
Sulfate	MG/L	4915B	11/06/1991		50.7750
Sulfate	MG/L	4915B	02/11/1992		76.6250
Sulfate	MG/L	4915B	05/13/1992		157.7500
Sulfate	MG/L	4915B	08/10/1992		101.0500
Sulfate	MG/L	4915B	11/17/1992		38.4250
Sulfate	MG/L	4915B	02/09/1993		151.7500
Sulfate	MG/L	4915B	05/25/1993		63.1250
Sulfate	MG/L	4915B	08/13/1993		48.1250
Sulfate	MG/L	4915B	11/18/1993		54.7250
Sulfate	MG/L	4915B	02/23/1994		89.2500
Sulfate	MG/L	4915B	05/10/1994		113.7500
Sulfate	MG/L	4915B	08/16/1994		123.0000
Sulfate	MG/L	4915B	11/07/1994		51.9000
Sulfate	MG/L	4915B	12/07/1994		49.4000
Sulfate	MG/L	4915B	02/01/1995		62.8000
Sulfate	MG/L	4915B	04/19/1995		49.2000
Sulfate	MG/L	4915B	05/08/1995		45.6000
Sulfate	MG/L	4915B	08/10/1995		45.3000
Sulfate	MG/L	4915B	11/07/1995		57.4000
Sulfate	MG/L	4915B	02/12/1996		36.3000
Sulfate	MG/L	4915B	08/19/1996		46.8000
Sulfate	MG/L	4915B	02/13/1997		44.2000
Sulfate	MG/L	4915B	08/06/1997		43.7000
Sulfate	MG/L	4915B	02/09/1998		42.9000
Sulfate	MG/L	4915B	08/06/1998		31.5000
Sulfate	MG/L	4915B	02/22/1999		31.0000
Sulfate	MG/L	4915B	08/25/1999		45.2000
Sulfate	MG/L	4915B	03/21/2000	ND	250.0000
Sulfate	MG/L	4915B	08/07/2000		49.2000
Sulfate	MG/L	4915B	03/13/2001		48.2000
Sulfate	MG/L	4915B	08/16/2001		44.0000
Sulfate	MG/L	4915B	02/22/2002		38.3000
Sulfate	MG/L	4915B	08/28/2002		54.0000
Sulfate	MG/L	4915B	02/18/2003		90.0000
Sulfate	MG/L	4915B	09/26/2003		50.0000
Sulfate	MG/L	4915B	02/27/2004		41.0000
Sulfate	MG/L	4915C	05/14/1991		48.9250
Sulfate	MG/L	4915C	11/07/1991		63.7000
Sulfate	MG/L	4915C	02/12/1992		66.5500
Sulfate	MG/L	4915C	05/14/1992		55.8750
Sulfate	MG/L	4915C	08/04/1992		54.1000
Sulfate	MG/L	4915C	11/17/1992		56.1500
Sulfate	MG/L	4915C	02/11/1993		58.2750
Sulfate	MG/L	4915C	05/25/1993		54.6000
Sulfate	MG/L	4915C	08/18/1993		55.4500
Sulfate	MG/L	4915C	11/16/1993		58.6750
Sulfate	MG/L	4915C	02/23/1994		59.6750
Sulfate	MG/L	4915C	05/11/1994		62.3500
Sulfate	MG/L	4915C	08/15/1994		65.4000
Sulfate	MG/L	4915C	11/10/1994		68.9000
Sulfate	MG/L	4915C	02/07/1995		72.3000
Sulfate	MG/L	4915C	05/04/1995		62.7000
Sulfate	MG/L	4915C	08/09/1995		54.6000
Sulfate	MG/L	4915C	11/06/1995		61.3000
Sulfate	MG/L	4915C	02/07/1996		58.3000
Sulfate	MG/L	4915C	08/13/1996		78.0000
Sulfate	MG/L	4915C	02/12/1997		55.8000
Sulfate	MG/L	4915C	08/05/1997		57.3000
Sulfate	MG/L	4915C	02/05/1998		60.8000
Sulfate	MG/L	4915C	08/03/1998		50.4000
Sulfate	MG/L	4915C	02/18/1999		59.3000

* - Outlier for that well and constituent.
ND = Not detected, result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result
Sulfate	MG/L	4915C	08/24/1999		66.1000
Sulfate	MG/L	4915C	02/18/2000		56.7000
Sulfate	MG/L	4915C	07/19/2000		54.7000
Sulfate	MG/L	4915C	03/08/2001		51.1000
Sulfate	MG/L	4915C	08/21/2001		48.2000
Sulfate	MG/L	4915C	02/20/2002		52.1000
Sulfate	MG/L	4915C	09/25/2003		53.0000
Sulfate	MG/L	4915C	02/16/2004		50.0000
Total dissolved solids	MG/L	4915A	02/11/1991		226.0000
Total dissolved solids	MG/L	4915A	05/10/1991		234.2500
Total dissolved solids	MG/L	4915A	08/12/1991		221.5000
Total dissolved solids	MG/L	4915A	11/06/1991		217.0000
Total dissolved solids	MG/L	4915A	02/11/1992		323.0000
Total dissolved solids	MG/L	4915A	05/14/1992		107.0000
Total dissolved solids	MG/L	4915A	08/10/1992		125.0000
Total dissolved solids	MG/L	4915A	09/10/1992		163.0000
Total dissolved solids	MG/L	4915A	11/18/1992		146.0000
Total dissolved solids	MG/L	4915A	02/09/1993		141.0000
Total dissolved solids	MG/L	4915A	05/26/1993		351.0000
Total dissolved solids	MG/L	4915A	08/18/1993		215.0000
Total dissolved solids	MG/L	4915A	11/16/1993		310.0000
Total dissolved solids	MG/L	4915A	02/24/1994		375.0000
Total dissolved solids	MG/L	4915A	05/11/1994		345.0000
Total dissolved solids	MG/L	4915A	08/11/1994		358.0000
Total dissolved solids	MG/L	4915A	11/11/1994		368.0000
Total dissolved solids	MG/L	4915A	02/03/1995		375.0000
Total dissolved solids	MG/L	4915A	05/04/1995		373.0000
Total dissolved solids	MG/L	4915A	08/08/1995		350.0000
Total dissolved solids	MG/L	4915A	11/03/1995		290.0000
Total dissolved solids	MG/L	4915A	02/06/1996		255.0000
Total dissolved solids	MG/L	4915A	08/13/1996		310.0000
Total dissolved solids	MG/L	4915A	02/12/1997		413.0000
Total dissolved solids	MG/L	4915A	08/05/1997		318.0000
Total dissolved solids	MG/L	4915A	02/04/1998		605.0000
Total dissolved solids	MG/L	4915A	08/04/1998		336.0000
Total dissolved solids	MG/L	4915A	02/18/1999		334.0000
Total dissolved solids	MG/L	4915A	08/24/1999		339.0000
Total dissolved solids	MG/L	4915A	02/18/2000		306.0000
Total dissolved solids	MG/L	4915A	07/26/2000		361.0000
Total dissolved solids	MG/L	4915A	03/08/2001		292.0000
Total dissolved solids	MG/L	4915A	08/21/2001		316.0000
Total dissolved solids	MG/L	4915A	02/21/2002		301.0000
Total dissolved solids	MG/L	4915A	08/06/2002		300.0000
Total dissolved solids	MG/L	4915A	02/10/2003		250.0000
Total dissolved solids	MG/L	4915A	09/25/2003		320.0000
Total dissolved solids	MG/L	4915A	02/16/2004		340.0000
Total dissolved solids	MG/L	4915B	02/11/1991		526.2500
Total dissolved solids	MG/L	4915B	05/10/1991		620.0000
Total dissolved solids	MG/L	4915B	08/12/1991		317.0000
Total dissolved solids	MG/L	4915B	11/06/1991		254.0000
Total dissolved solids	MG/L	4915B	02/11/1992		332.0000
Total dissolved solids	MG/L	4915B	05/13/1992		481.0000
Total dissolved solids	MG/L	4915B	08/10/1992		379.0000
Total dissolved solids	MG/L	4915B	11/17/1992		261.0000
Total dissolved solids	MG/L	4915B	02/09/1993		537.0000
Total dissolved solids	MG/L	4915B	05/25/1993		277.0000
Total dissolved solids	MG/L	4915B	08/13/1993		249.0000
Total dissolved solids	MG/L	4915B	11/18/1993		225.0000
Total dissolved solids	MG/L	4915B	02/23/1994		338.0000
Total dissolved solids	MG/L	4915B	05/10/1994		536.0000
Total dissolved solids	MG/L	4915B	08/16/1994		408.0000
Total dissolved solids	MG/L	4915B	11/07/1994		266.0000
Total dissolved solids	MG/L	4915B	02/01/1995		325.0000
Total dissolved solids	MG/L	4915B	04/19/1995		283.0000
Total dissolved solids	MG/L	4915B	05/08/1995		245.0000

* - Outlier for that well and constituent.
ND = Not detected, result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result
Total dissolved solids	MG/L	4915B	08/10/1995		266.0000
Total dissolved solids	MG/L	4915B	11/07/1995		268.0000
Total dissolved solids	MG/L	4915B	02/12/1996		237.0000
Total dissolved solids	MG/L	4915B	08/19/1996		274.0000
Total dissolved solids	MG/L	4915B	02/13/1997		277.0000
Total dissolved solids	MG/L	4915B	08/06/1997		262.0000
Total dissolved solids	MG/L	4915B	02/09/1998		276.0000
Total dissolved solids	MG/L	4915B	08/06/1998		241.0000
Total dissolved solids	MG/L	4915B	02/22/1999		272.0000
Total dissolved solids	MG/L	4915B	08/25/1999		303.0000
Total dissolved solids	MG/L	4915B	03/21/2000		333.0000
Total dissolved solids	MG/L	4915B	08/07/2000		322.0000
Total dissolved solids	MG/L	4915B	03/13/2001		300.0000
Total dissolved solids	MG/L	4915B	08/16/2001		468.0000
Total dissolved solids	MG/L	4915B	02/22/2002		275.0000
Total dissolved solids	MG/L	4915B	08/28/2002		370.0000
Total dissolved solids	MG/L	4915B	02/18/2003		480.0000
Total dissolved solids	MG/L	4915B	09/26/2003		290.0000
Total dissolved solids	MG/L	4915B	02/27/2004		280.0000
Total dissolved solids	MG/L	4915C	05/14/1991		370.2500
Total dissolved solids	MG/L	4915C	11/07/1991		339.0000
Total dissolved solids	MG/L	4915C	02/12/1992		335.0000
Total dissolved solids	MG/L	4915C	05/14/1992		335.7500
Total dissolved solids	MG/L	4915C	08/04/1992		358.0000
Total dissolved solids	MG/L	4915C	11/17/1992		313.0000
Total dissolved solids	MG/L	4915C	02/11/1993		335.0000
Total dissolved solids	MG/L	4915C	05/25/1993		365.0000
Total dissolved solids	MG/L	4915C	08/18/1993		314.0000
Total dissolved solids	MG/L	4915C	11/16/1993		353.0000
Total dissolved solids	MG/L	4915C	02/23/1994		206.0000
Total dissolved solids	MG/L	4915C	05/11/1994		316.0000
Total dissolved solids	MG/L	4915C	08/15/1994		391.0000
Total dissolved solids	MG/L	4915C	11/10/1994		400.0000
Total dissolved solids	MG/L	4915C	02/07/1995		363.0000
Total dissolved solids	MG/L	4915C	05/04/1995		377.0000
Total dissolved solids	MG/L	4915C	08/09/1995		336.0000
Total dissolved solids	MG/L	4915C	11/06/1995		312.0000
Total dissolved solids	MG/L	4915C	02/07/1996		334.0000
Total dissolved solids	MG/L	4915C	08/13/1996		359.0000
Total dissolved solids	MG/L	4915C	02/12/1997		337.0000
Total dissolved solids	MG/L	4915C	08/05/1997		328.0000
Total dissolved solids	MG/L	4915C	02/05/1998		424.0000
Total dissolved solids	MG/L	4915C	08/03/1998		316.0000
Total dissolved solids	MG/L	4915C	02/18/1999		326.0000
Total dissolved solids	MG/L	4915C	08/24/1999		312.0000
Total dissolved solids	MG/L	4915C	02/18/2000		304.0000
Total dissolved solids	MG/L	4915C	07/19/2000		315.0000
Total dissolved solids	MG/L	4915C	03/08/2001		282.0000
Total dissolved solids	MG/L	4915C	08/21/2001		301.0000
Total dissolved solids	MG/L	4915C	02/20/2002		300.0000
Total dissolved solids	MG/L	4915C	09/25/2003		310.0000
Total dissolved solids	MG/L	4915C	02/16/2004		320.0000
Total organic carbon	MG/L	4915A	02/11/1991		9.4500
Total organic carbon	MG/L	4915A	05/10/1991		9.2500
Total organic carbon	MG/L	4915A	08/12/1991		30.7000
Total organic carbon	MG/L	4915A	11/06/1991		46.1500
Total organic carbon	MG/L	4915A	02/11/1992		23.9500
Total organic carbon	MG/L	4915A	05/14/1992		23.8000
Total organic carbon	MG/L	4915A	08/10/1992		2.5000
Total organic carbon	MG/L	4915A	09/10/1992		1.6500
Total organic carbon	MG/L	4915A	11/18/1992		1.1500
Total organic carbon	MG/L	4915A	02/09/1993	ND	1.0000
Total organic carbon	MG/L	4915A	05/26/1993	ND	1.0000
Total organic carbon	MG/L	4915A	08/18/1993	ND	1.0000
Total organic carbon	MG/L	4915A	11/16/1993	ND	1.0000

* - Outlier for that well and constituent.
ND = Not detected, result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result
Total organic carbon	MG/L	4915A	02/24/1994	ND	1.0000
Total organic carbon	MG/L	4915A	05/11/1994	ND	1.0000
Total organic carbon	MG/L	4915A	08/11/1994	ND	1.0000
Total organic carbon	MG/L	4915A	11/11/1994	ND	1.0000
Total organic carbon	MG/L	4915A	12/07/1994		1.0000
Total organic carbon	MG/L	4915A	02/03/1995		1.1000
Total organic carbon	MG/L	4915A	05/04/1995	ND	1.0000
Total organic carbon	MG/L	4915A	08/08/1995	ND	1.0000
Total organic carbon	MG/L	4915A	11/03/1995		3.9500
Total organic carbon	MG/L	4915A	02/06/1996	ND	1.0000
Total organic carbon	MG/L	4915A	08/13/1996	ND	1.0000
Total organic carbon	MG/L	4915A	02/12/1997	ND	1.0000
Total organic carbon	MG/L	4915A	08/05/1997	ND	1.0000
Total organic carbon	MG/L	4915A	02/04/1998		5.4500
Total organic carbon	MG/L	4915A	08/04/1998	ND	1.0000
Total organic carbon	MG/L	4915A	02/18/1999	ND	1.0000
Total organic carbon	MG/L	4915A	08/24/1999		0.9900
Total organic carbon	MG/L	4915A	02/18/2000	ND	1.0000
Total organic carbon	MG/L	4915A	07/26/2000	ND	1.0000
Total organic carbon	MG/L	4915A	08/21/2001	ND	1.0000
Total organic carbon	MG/L	4915A	02/21/2002	ND	1.0000
Total organic carbon	MG/L	4915A	08/06/2002	ND	1.0000
Total organic carbon	MG/L	4915A	02/10/2003	ND	1.0000
Total organic carbon	MG/L	4915A	09/25/2003	ND	1.0000
Total organic carbon	MG/L	4915A	02/16/2004	ND	1.0000
Total organic carbon	MG/L	4915B	02/11/1991		11.7500
Total organic carbon	MG/L	4915B	05/10/1991		9.3500
Total organic carbon	MG/L	4915B	08/12/1991		6.4000
Total organic carbon	MG/L	4915B	11/06/1991		45.4500
Total organic carbon	MG/L	4915B	02/11/1992		14.8500
Total organic carbon	MG/L	4915B	05/13/1992		21.7000
Total organic carbon	MG/L	4915B	08/10/1992		1.8000
Total organic carbon	MG/L	4915B	11/17/1992	ND	1.0000
Total organic carbon	MG/L	4915B	02/09/1993	ND	1.0000
Total organic carbon	MG/L	4915B	05/25/1993		1.8500
Total organic carbon	MG/L	4915B	08/13/1993		1.0000
Total organic carbon	MG/L	4915B	11/18/1993	ND	1.0000
Total organic carbon	MG/L	4915B	02/23/1994	ND	1.0000
Total organic carbon	MG/L	4915B	05/10/1994	ND	1.0000
Total organic carbon	MG/L	4915B	08/16/1994		14.5500
Total organic carbon	MG/L	4915B	11/07/1994		7.9000
Total organic carbon	MG/L	4915B	12/07/1994		1.2500
Total organic carbon	MG/L	4915B	02/01/1995	ND	1.0000
Total organic carbon	MG/L	4915B	04/19/1995	ND	1.0000
Total organic carbon	MG/L	4915B	05/08/1995		1.0500
Total organic carbon	MG/L	4915B	08/10/1995		1.0500
Total organic carbon	MG/L	4915B	11/07/1995		1.3000
Total organic carbon	MG/L	4915B	02/12/1996	ND	1.0000
Total organic carbon	MG/L	4915B	08/19/1996		1.0000
Total organic carbon	MG/L	4915B	02/13/1997	ND	1.0000
Total organic carbon	MG/L	4915B	09/17/1997		2.2500
Total organic carbon	MG/L	4915B	02/09/1998	ND	1.0000
Total organic carbon	MG/L	4915B	08/06/1998	ND	1.0000
Total organic carbon	MG/L	4915B	02/22/1999	ND	1.0000
Total organic carbon	MG/L	4915B	08/25/1999		0.9300
Total organic carbon	MG/L	4915B	03/21/2000	ND	1.0000
Total organic carbon	MG/L	4915B	08/07/2000		1.2500
Total organic carbon	MG/L	4915B	03/13/2001	ND	1.0000
Total organic carbon	MG/L	4915B	08/16/2001	ND	1.0000
Total organic carbon	MG/L	4915B	02/22/2002		1.0500
Total organic carbon	MG/L	4915B	08/28/2002	ND	1.0000
Total organic carbon	MG/L	4915B	02/18/2003	ND	1.0000
Total organic carbon	MG/L	4915B	09/26/2003	ND	1.0000
Total organic carbon	MG/L	4915B	02/27/2004	ND	1.0000
Total organic carbon	MG/L	4915C	05/14/1991		1.1500

* - Outlier for that well and constituent.
ND = Not detected, result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result
Total organic carbon	MG/L	4915C	11/07/1991	ND	1.0000
Total organic carbon	MG/L	4915C	02/12/1992		2.6000
Total organic carbon	MG/L	4915C	05/14/1992		1.9500
Total organic carbon	MG/L	4915C	08/04/1992		2.1500
Total organic carbon	MG/L	4915C	11/17/1992	ND	1.0000
Total organic carbon	MG/L	4915C	02/11/1993	ND	1.0000
Total organic carbon	MG/L	4915C	05/25/1993	ND	1.0000
Total organic carbon	MG/L	4915C	08/18/1993	ND	1.0000
Total organic carbon	MG/L	4915C	11/16/1993	ND	1.0000
Total organic carbon	MG/L	4915C	02/23/1994	ND	1.0000
Total organic carbon	MG/L	4915C	05/11/1994	ND	1.0000
Total organic carbon	MG/L	4915C	08/15/1994	ND	1.0000
Total organic carbon	MG/L	4915C	11/10/1994		2.6500
Total organic carbon	MG/L	4915C	02/07/1995	ND	1.0000
Total organic carbon	MG/L	4915C	05/04/1995	ND	1.0000
Total organic carbon	MG/L	4915C	08/09/1995	ND	1.0000
Total organic carbon	MG/L	4915C	11/06/1995		1.0500
Total organic carbon	MG/L	4915C	02/07/1996		1.1000
Total organic carbon	MG/L	4915C	08/13/1996	ND	1.0000
Total organic carbon	MG/L	4915C	02/12/1997	ND	1.0000
Total organic carbon	MG/L	4915C	08/05/1997	ND	1.0000
Total organic carbon	MG/L	4915C	02/05/1998	ND	1.0000
Total organic carbon	MG/L	4915C	08/03/1998	ND	1.0000
Total organic carbon	MG/L	4915C	02/18/1999	ND	1.0000
Total organic carbon	MG/L	4915C	08/24/1999		1.3500
Total organic carbon	MG/L	4915C	02/18/2000	ND	1.0000
Total organic carbon	MG/L	4915C	07/19/2000	ND	1.0000
Total organic carbon	MG/L	4915C	03/08/2001	ND	1.0000
Total organic carbon	MG/L	4915C	08/21/2001	ND	1.0000
Total organic carbon	MG/L	4915C	02/20/2002	ND	1.0000
Total organic carbon	MG/L	4915C	09/25/2003	ND	1.0000
Total organic carbon	MG/L	4915C	02/16/2004	ND	1.0000
Total organic halogen	UG/L	4915A	02/11/1991		8.1000
Total organic halogen	UG/L	4915A	05/10/1991	ND	5.0000
Total organic halogen	UG/L	4915A	08/12/1991		5.2500
Total organic halogen	UG/L	4915A	11/06/1991	ND	5.0000
Total organic halogen	UG/L	4915A	02/11/1992	ND	5.0000
Total organic halogen	UG/L	4915A	05/14/1992		5.4750
Total organic halogen	UG/L	4915A	08/10/1992		5.0000
Total organic halogen	UG/L	4915A	11/18/1992	ND	5.0000
Total organic halogen	UG/L	4915A	02/09/1993	ND	5.0000
Total organic halogen	UG/L	4915A	05/26/1993	ND	5.0000
Total organic halogen	UG/L	4915A	08/18/1993	ND	5.0000
Total organic halogen	UG/L	4915A	11/16/1993		9.0000
Total organic halogen	UG/L	4915A	02/24/1994		7.0750
Total organic halogen	UG/L	4915A	05/11/1994		5.4250
Total organic halogen	UG/L	4915A	08/11/1994	ND	10.0000
Total organic halogen	UG/L	4915A	11/11/1994		10.5000
Total organic halogen	UG/L	4915A	12/07/1994	ND	10.0000
Total organic halogen	UG/L	4915A	02/03/1995	ND	10.0000
Total organic halogen	UG/L	4915A	05/04/1995	ND	10.0000
Total organic halogen	UG/L	4915A	08/08/1995	ND	10.0000
Total organic halogen	UG/L	4915A	11/03/1995	ND	10.0000
Total organic halogen	UG/L	4915A	02/06/1996	ND	10.0000
Total organic halogen	UG/L	4915A	08/13/1996	ND	10.0000
Total organic halogen	UG/L	4915A	02/12/1997	ND	10.0000
Total organic halogen	UG/L	4915A	08/05/1997	ND	10.0000
Total organic halogen	UG/L	4915A	02/04/1998		12.0000
Total organic halogen	UG/L	4915A	08/04/1998	ND	10.0000
Total organic halogen	UG/L	4915A	02/18/1999	ND	30.0000
Total organic halogen	UG/L	4915A	08/24/1999	ND	30.0000
Total organic halogen	UG/L	4915A	02/18/2000	ND	30.0000
Total organic halogen	UG/L	4915A	07/26/2000	ND	30.0000
Total organic halogen	UG/L	4915A	08/21/2001	ND	30.0000
Total organic halogen	UG/L	4915A	02/21/2002	ND	30.0000

* - Outlier for that well and constituent.
ND = Not detected, result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result
Total organic halogen	UG/L	4915A	08/06/2002	ND	30.0000
Total organic halogen	UG/L	4915A	02/10/2003	ND	30.0000
Total organic halogen	UG/L	4915A	09/25/2003	ND	30.0000
Total organic halogen	UG/L	4915A	02/16/2004	ND	30.0000
Total organic halogen	UG/L	4915B	02/11/1991		16.8000
Total organic halogen	UG/L	4915B	05/10/1991		20.7500
Total organic halogen	UG/L	4915B	08/12/1991		5.0000
Total organic halogen	UG/L	4915B	11/06/1991		5.0000
Total organic halogen	UG/L	4915B	02/11/1992		11.2500
Total organic halogen	UG/L	4915B	05/13/1992		29.6500
Total organic halogen	UG/L	4915B	08/10/1992		12.2500
Total organic halogen	UG/L	4915B	11/17/1992		6.5000
Total organic halogen	UG/L	4915B	02/09/1993	ND	5.0000
Total organic halogen	UG/L	4915B	05/25/1993		7.5000
Total organic halogen	UG/L	4915B	08/13/1993		9.7500
Total organic halogen	UG/L	4915B	11/18/1993		5.5000
Total organic halogen	UG/L	4915B	02/23/1994		14.7500
Total organic halogen	UG/L	4915B	05/10/1994		30.8000
Total organic halogen	UG/L	4915B	08/16/1994	ND	10.0000
Total organic halogen	UG/L	4915B	11/07/1994	ND	10.0000
Total organic halogen	UG/L	4915B	12/07/1994	ND	10.0000
Total organic halogen	UG/L	4915B	02/01/1995	ND	10.0000
Total organic halogen	UG/L	4915B	04/19/1995	ND	10.0000
Total organic halogen	UG/L	4915B	05/08/1995	ND	10.0000
Total organic halogen	UG/L	4915B	08/10/1995	ND	10.0000
Total organic halogen	UG/L	4915B	11/07/1995	ND	10.0000
Total organic halogen	UG/L	4915B	02/12/1996	ND	10.0000
Total organic halogen	UG/L	4915B	08/19/1996	ND	10.0000
Total organic halogen	UG/L	4915B	02/13/1997	ND	10.0000
Total organic halogen	UG/L	4915B	08/06/1997	ND	10.0000
Total organic halogen	UG/L	4915B	02/09/1998	ND	10.0000
Total organic halogen	UG/L	4915B	08/06/1998	ND	10.0000
Total organic halogen	UG/L	4915B	02/22/1999	ND	30.0000
Total organic halogen	UG/L	4915B	08/25/1999	ND	30.0000
Total organic halogen	UG/L	4915B	03/21/2000	ND	30.0000
Total organic halogen	UG/L	4915B	08/07/2000	ND	30.0000
Total organic halogen	UG/L	4915B	03/13/2001	ND	30.0000
Total organic halogen	UG/L	4915B	08/16/2001	ND	30.0000
Total organic halogen	UG/L	4915B	02/22/2002	ND	30.0000
Total organic halogen	UG/L	4915B	08/28/2002	ND	30.0000
Total organic halogen	UG/L	4915B	02/18/2003	ND	30.0000
Total organic halogen	UG/L	4915B	09/26/2003	ND	30.0000
Total organic halogen	UG/L	4915B	02/27/2004	ND	30.0000
Total organic halogen	UG/L	4915C	05/14/1991		5.2500
Total organic halogen	UG/L	4915C	11/14/1991	ND	5.0000
Total organic halogen	UG/L	4915C	02/12/1992	ND	5.0000
Total organic halogen	UG/L	4915C	05/14/1992		7.8500
Total organic halogen	UG/L	4915C	08/04/1992	ND	5.0000
Total organic halogen	UG/L	4915C	11/17/1992	ND	5.0000
Total organic halogen	UG/L	4915C	02/11/1993	ND	5.0000
Total organic halogen	UG/L	4915C	05/25/1993	ND	5.0000
Total organic halogen	UG/L	4915C	08/18/1993	ND	5.0000
Total organic halogen	UG/L	4915C	11/16/1993		11.0000
Total organic halogen	UG/L	4915C	02/23/1994		5.2500
Total organic halogen	UG/L	4915C	05/11/1994		6.5750
Total organic halogen	UG/L	4915C	08/15/1994	ND	10.0000
Total organic halogen	UG/L	4915C	11/10/1994	ND	10.0000
Total organic halogen	UG/L	4915C	02/07/1995	ND	10.0000
Total organic halogen	UG/L	4915C	05/04/1995	ND	10.0000
Total organic halogen	UG/L	4915C	08/09/1995	ND	10.0000
Total organic halogen	UG/L	4915C	11/06/1995	ND	10.0000
Total organic halogen	UG/L	4915C	02/07/1996	ND	10.0000
Total organic halogen	UG/L	4915C	08/13/1996	ND	10.0000
Total organic halogen	UG/L	4915C	02/12/1997	ND	10.0000
Total organic halogen	UG/L	4915C	08/05/1997	ND	10.0000

* - Outlier for that well and constituent.
ND = Not detected, result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result
Total organic halogen	UG/L	4915C	02/05/1998	ND	10.0000
Total organic halogen	UG/L	4915C	08/03/1998	ND	10.0000
Total organic halogen	UG/L	4915C	02/18/1999		39.0000
Total organic halogen	UG/L	4915C	08/24/1999	ND	30.0000
Total organic halogen	UG/L	4915C	02/18/2000	ND	30.0000
Total organic halogen	UG/L	4915C	07/19/2000	ND	30.0000
Total organic halogen	UG/L	4915C	03/08/2001	ND	30.0000
Total organic halogen	UG/L	4915C	08/21/2001	ND	30.0000
Total organic halogen	UG/L	4915C	02/20/2002	ND	30.0000
Total organic halogen	UG/L	4915C	09/25/2003	ND	30.0000
Total organic halogen	UG/L	4915C	02/16/2004	ND	30.0000

* - Outlier for that well and constituent.
ND = Not detected, result = detection limit.

Table 2

Most Current Downgradient Monitoring Data

Constituent	Units	Well	Date		Result		Pred. Limit
Alkalinity, bicarbonate (as caco3)	MG/L	4916D	02/27/2004		190.0000		271.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4916F	03/01/2004		310.0000	***	271.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4916G	02/26/2004		180.0000		271.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4916H	03/01/2004		300.0000	***	271.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4916J	03/04/2004		290.0000	***	271.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4916L	03/01/2004		190.0000		271.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4926C	02/19/2004		180.0000	**	271.0000
Biochemical oxygen demand	MG/L	4916D	02/27/2004		3.9000	***	2.0000
Biochemical oxygen demand	MG/L	4916F	03/01/2004		5.2000	***	2.0000
Biochemical oxygen demand	MG/L	4916G	02/26/2004	ND	2.0000		2.0000
Biochemical oxygen demand	MG/L	4916H	03/01/2004		6.9000	***	2.0000
Biochemical oxygen demand	MG/L	4916J	03/04/2004		7.1000	*	2.0000
Biochemical oxygen demand	MG/L	4916L	03/01/2004	ND	2.0000		2.0000
Biochemical oxygen demand	MG/L	4926C	02/19/2004	ND	10.0000		2.0000
Calcium-dissolved	UG/L	4916D	02/27/2004		63000.0000		97238.9268
Calcium-dissolved	UG/L	4916F	03/01/2004		90000.0000		97238.9268
Calcium-dissolved	UG/L	4916G	02/26/2004		61000.0000		97238.9268
Calcium-dissolved	UG/L	4916H	03/01/2004		85000.0000		97238.9268
Calcium-dissolved	UG/L	4916J	03/04/2004		88000.0000	**	97238.9268
Calcium-dissolved	UG/L	4916L	03/01/2004		68000.0000		97238.9268
Calcium-dissolved	UG/L	4926C	02/19/2004		56000.0000		97238.9268
Chemical oxygen demand	MG/L	4916D	02/27/2004	ND	8.0000		95.0000
Chemical oxygen demand	MG/L	4916F	03/01/2004	ND	8.0000		95.0000
Chemical oxygen demand	MG/L	4916G	02/26/2004	ND	8.0000		95.0000
Chemical oxygen demand	MG/L	4916H	03/01/2004	ND	8.0000		95.0000
Chemical oxygen demand	MG/L	4916J	03/04/2004	ND	8.0000		95.0000
Chemical oxygen demand	MG/L	4916L	03/01/2004	ND	8.0000		95.0000
Chemical oxygen demand	MG/L	4926C	02/19/2004	ND	8.0000		95.0000
Chloride	MG/L	4916D	02/27/2004		27.0000		106.0000
Chloride	MG/L	4916F	03/01/2004		23.0000		106.0000
Chloride	MG/L	4916G	02/26/2004		27.0000		106.0000
Chloride	MG/L	4916H	03/01/2004		24.0000		106.0000
Chloride	MG/L	4916J	03/04/2004		25.0000		106.0000
Chloride	MG/L	4916L	03/01/2004		27.0000		106.0000
Chloride	MG/L	4926C	02/19/2004		27.0000		106.0000
Fluoride	MG/L	4916D	02/27/2004	ND	1.0000		0.9770
Fluoride	MG/L	4916F	03/01/2004	ND	1.0000		0.9770
Fluoride	MG/L	4916G	02/26/2004	ND	1.0000		0.9770
Fluoride	MG/L	4916H	03/01/2004	ND	1.0000		0.9770
Fluoride	MG/L	4916J	03/04/2004	ND	1.0000		0.9770
Fluoride	MG/L	4916L	03/01/2004	ND	1.0000		0.9770
Fluoride	MG/L	4926C	02/19/2004	ND	1.0000		0.9770
Iron-dissolved	UG/L	4916D	02/27/2004		2900.0000		4480.0000
Iron-dissolved	UG/L	4916F	03/01/2004	ND	100.0000		4480.0000
Iron-dissolved	UG/L	4916G	02/26/2004	ND	100.0000		4480.0000
Iron-dissolved	UG/L	4916H	03/01/2004	ND	100.0000		4480.0000
Iron-dissolved	UG/L	4916J	03/04/2004	ND	100.0000		4480.0000
Iron-dissolved	UG/L	4916L	03/01/2004	ND	100.0000		4480.0000
Iron-dissolved	UG/L	4926C	02/19/2004	ND	100.0000		4480.0000
Magnesium-dissolved	UG/L	4916D	02/27/2004		17000.0000		27456.9772
Magnesium-dissolved	UG/L	4916F	03/01/2004		25000.0000		27456.9772
Magnesium-dissolved	UG/L	4916G	02/26/2004		17000.0000		27456.9772
Magnesium-dissolved	UG/L	4916H	03/01/2004		23000.0000		27456.9772
Magnesium-dissolved	UG/L	4916J	03/04/2004		24000.0000	**	27456.9772
Magnesium-dissolved	UG/L	4916L	03/01/2004		16000.0000		27456.9772
Magnesium-dissolved	UG/L	4926C	02/19/2004		15000.0000		27456.9772
Nitrogen, nitrate	MG/L	4916D	02/27/2004	ND	0.5000		3.4469
Nitrogen, nitrate	MG/L	4916F	03/01/2004	ND	0.5000		3.4469
Nitrogen, nitrate	MG/L	4916G	02/26/2004	ND	0.5000		3.4469
Nitrogen, nitrate	MG/L	4916H	03/01/2004	ND	0.5000		3.4469
Nitrogen, nitrate	MG/L	4916J	03/04/2004	ND	0.5000		3.4469

* - Current value failed - awaiting verification.
** - Current value passed - previous exceedance not verified.
*** - Current value failed - exceedance verified.
**** - Current value passed - awaiting one more verification.
***** - Insufficient background data to compute prediction limit.
ND = Not Detected, result = detection limit.

Table 2

Most Current Downgradient Monitoring Data

Constituent	Units	Well	Date		Result		Pred. Limit
Nitrogen, nitrate	MG/L	4916L	03/01/2004		0.5200		3.4469
Nitrogen, nitrate	MG/L	4926C	02/19/2004	ND	0.5000		3.4469
Sodium-dissolved	MG/L	4916D	02/27/2004		25.0000		46.2119
Sodium-dissolved	MG/L	4916F	03/01/2004		28.0000		46.2119
Sodium-dissolved	MG/L	4916G	02/26/2004		27.0000		46.2119
Sodium-dissolved	MG/L	4916H	03/01/2004		27.0000		46.2119
Sodium-dissolved	MG/L	4916J	03/04/2004		29.0000		46.2119
Sodium-dissolved	MG/L	4916L	03/01/2004		37.0000		46.2119
Sodium-dissolved	MG/L	4926C	02/19/2004		22.0000		46.2119
Specific conductance	UMHOS/CM	4916D	02/27/2004		580.0000		857.0175
Specific conductance	UMHOS/CM	4916F	03/01/2004		740.0000		857.0175
Specific conductance	UMHOS/CM	4916G	02/26/2004		600.0000		857.0175
Specific conductance	UMHOS/CM	4916H	03/01/2004		730.0000		857.0175
Specific conductance	UMHOS/CM	4916J	03/04/2004		730.0000	**	857.0175
Specific conductance	UMHOS/CM	4916L	03/01/2004		630.0000		857.0175
Specific conductance	UMHOS/CM	4926C	02/19/2004		550.0000		857.0175
Sulfate	MG/L	4916D	02/27/2004		58.0000		250.0000
Sulfate	MG/L	4916F	03/01/2004		52.0000		250.0000
Sulfate	MG/L	4916G	02/26/2004		50.0000		250.0000
Sulfate	MG/L	4916H	03/01/2004		53.0000		250.0000
Sulfate	MG/L	4916J	03/04/2004		50.0000		250.0000
Sulfate	MG/L	4916L	03/01/2004		91.0000		250.0000
Sulfate	MG/L	4926C	02/19/2004		53.0000		250.0000
Total dissolved solids	MG/L	4916D	02/27/2004		340.0000		620.0000
Total dissolved solids	MG/L	4916F	03/01/2004		440.0000		620.0000
Total dissolved solids	MG/L	4916G	02/26/2004		350.0000		620.0000
Total dissolved solids	MG/L	4916H	03/01/2004		440.0000		620.0000
Total dissolved solids	MG/L	4916J	03/04/2004		430.0000		620.0000
Total dissolved solids	MG/L	4916L	03/01/2004		380.0000		620.0000
Total dissolved solids	MG/L	4926C	02/19/2004		310.0000		620.0000
Total organic carbon	MG/L	4916D	02/27/2004	ND	1.0000		46.1500
Total organic carbon	MG/L	4916F	03/01/2004	ND	1.0000		46.1500
Total organic carbon	MG/L	4916G	02/26/2004	ND	1.0000		46.1500
Total organic carbon	MG/L	4916H	03/01/2004	ND	1.0000		46.1500
Total organic carbon	MG/L	4916J	03/04/2004	ND	1.0000		46.1500
Total organic carbon	MG/L	4916L	03/01/2004	ND	1.0000		46.1500
Total organic carbon	MG/L	4926C	02/19/2004	ND	1.0000		46.1500
Total organic halogen	UG/L	4916D	02/27/2004	ND	30.0000		39.0000
Total organic halogen	UG/L	4916F	03/01/2004	ND	30.0000		39.0000
Total organic halogen	UG/L	4916G	02/26/2004	ND	30.0000		39.0000
Total organic halogen	UG/L	4916H	03/01/2004	ND	30.0000		39.0000
Total organic halogen	UG/L	4916J	03/04/2004	ND	30.0000		39.0000
Total organic halogen	UG/L	4916L	03/01/2004	ND	30.0000		39.0000
Total organic halogen	UG/L	4926C	02/19/2004	ND	30.0000		39.0000

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ND = Not Detected, result = detection limit.

Table 3

Detection Frequencies in Upgradient and Downgradient Wells

Constituent	Upgradient Detect	Upgradient N	Upgradient Proportion	Downgradient Detect	Downgradient N	Downgradient Proportion
Alkalinity, bicarbonate (as caco3)	102	104	0.981	319	322	0.991
Biochemical oxygen demand	0	22	0.000	22	77	0.286
Calcium-dissolved	68	68	1.000	240	240	1.000
Chemical oxygen demand	27	107	0.252	57	316	0.180
Chloride	111	111	1.000	326	326	1.000
Fluoride	64	110	0.582	163	315	0.517
Iron-dissolved	9	38	0.237	25	106	0.236
Magnesium-dissolved	66	68	0.971	239	239	1.000
Nitrogen, nitrate	43	49	0.878	126	145	0.869
Sodium-dissolved	65	65	1.000	231	231	1.000
Specific conductance	58	58	1.000	134	134	1.000
Sulfate	110	111	0.991	328	328	1.000
Total dissolved solids	109	109	1.000	315	315	1.000
Total organic carbon	42	110	0.382	147	317	0.464
Total organic halogen	28	109	0.257	106	311	0.341

N = Total number of measurements in all wells.
Detect = Total number of detections in all wells.
Proportion = Detect/N.

Table 4

Shapiro Wilk Test of Normality for Multiple Groups

Constituent	N (Detects)	Detect Freq	G raw	G log	Critical Value	Limit Type
Alkalinity, bicarbonate (as caco3)	102	0.981	2.418	2.770	2.326	nonpar
Biochemical oxygen demand	0	0.000				nonpar
Calcium-dissolved	68	1.000	1.554	4.146	2.326	normal
Chemical oxygen demand	27	0.252	5.330	3.409	2.326	nonpar
Chloride	111	1.000	7.862	5.379	2.326	nonpar
Fluoride	64	0.582	1.641	1.551	2.326	normal
Iron-dissolved	9	0.237	1.980	0.139	2.326	nonpar
Magnesium-dissolved	66	0.971	0.985	0.445	2.326	normal
Nitrogen, nitrate	43	0.878	4.251	1.831	2.326	lognor
Sodium-dissolved	65	1.000	2.917	1.739	2.326	lognor
Specific conductance	58	1.000	2.012	2.600	2.326	normal
Sulfate	110	0.991	7.347	3.785	2.326	nonpar
Total dissolved solids	109	1.000	4.563	5.261	2.326	nonpar
Total organic carbon	42	0.382	5.152	3.160	2.326	nonpar
Total organic halogen	28	0.257	3.646	1.663	2.326	nonpar

Fit to distribution is confirmed if G < critical value.
If detection frequency is < 50% nonparametric or Poisson limit is used

Table 5

Summary Statistics and Prediction Limits

Constituent	Units	Model Type	N	Detect	Mean	SD	Pred Limit	Conf*
Alkalinity, bicarbonate (as caco3)	MG/L	nonpar	104	102			271.0000	0.99
Biochemical oxygen demand	MG/L	nonpar	22	0			2.0000	0.94
Calcium-dissolved	UG/L	normal	68	68	57051.3235	16739.6727	97238.9268	
Chemical oxygen demand	MG/L	nonpar	107	27			95.0000	0.99
Chloride	MG/L	nonpar	111	111			106.0000	0.99
Fluoride	MG/L	normal	110	64	0.3074	0.2823	0.9770	
Iron-dissolved	UG/L	nonpar	38	9			4480.0000	0.98
Magnesium-dissolved	UG/L	normal	68	66	15558.2353	4956.2808	27456.9772	
Nitrogen, nitrate	MG/L	lognor	49	43	0.5443	0.3899	3.4469	
Sodium-dissolved	MG/L	lognor	65	65	3.3778	0.1894	46.2119	
Specific conductance	UMHOS/CM	normal	58	58	532.5690	134.3986	857.0175	
Sulfate	MG/L	nonpar	111	110			250.0000	0.99
Total dissolved solids	MG/L	nonpar	109	109			620.0000	0.99
Total organic carbon	MG/L	nonpar	110	42			46.1500	0.99
Total organic halogen	UG/L	nonpar	109	28			39.0000	0.99

* - Confidence level for passing initial test or one verification resample at all downgradient wells for a single constituent (nonparametric test only).
Model Type refers to type of prediction limit.
For lognormal limit, mean and sd in natural log units and prediction limit in original units.
All sample sizes and statistics are based on outlier free data.
For nonparametric limits, median reporting limits are substituted for extreme reporting limit values.

Table 6

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date	Result		Pred. Limit
Alkalinity, bicarbonate (as caco3)	MG/L	4916F	05/14/1991	472.0000	*	271.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4916F	08/15/1991	378.0000	*	271.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4916F	02/13/1992	221.0000		271.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4916F	05/12/1992	270.0000		271.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4916F	08/07/1992	286.0000	*	271.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4916F	09/14/1992	249.0000		271.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4916F	11/19/1992	257.0000		271.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4916F	02/03/1993	308.0000	*	271.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4916F	05/27/1993	210.0000		271.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4916F	08/17/1993	208.0000		271.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4916F	11/17/1993	203.0000		271.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4916F	02/25/1994	192.0000		271.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4916F	04/20/1994	190.0000		271.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4916F	05/12/1994	172.0000		271.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4916F	08/10/1994	206.0000		271.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4916F	11/08/1994	245.0000		271.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4916F	12/09/1994	277.0000	*	271.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4916F	02/02/1995	257.0000		271.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4916F	05/03/1995	190.0000		271.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4916F	08/07/1995	172.0000		271.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4916F	11/02/1995	171.0000		271.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4916F	02/05/1996	185.0000		271.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4916F	05/14/1996	163.0000		271.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4916F	08/12/1996	163.0000		271.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4916F	11/05/1996	162.0000		271.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4916F	02/10/1997	169.0000		271.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4916F	05/06/1997	174.0000		271.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4916F	08/04/1997	183.0000		271.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4916F	02/04/1998	185.0000		271.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4916F	05/04/1998	176.0000		271.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4916F	08/04/1998	174.0000		271.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4916F	11/17/1998	168.0000		271.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4916F	02/22/1999	159.0000		271.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4916F	06/01/1999	162.0000		271.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4916F	08/20/1999	169.0000		271.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4916F	11/22/1999	153.0000		271.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4916F	02/18/2000	162.0000		271.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4916F	05/03/2000	165.0000		271.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4916F	07/25/2000	163.0000		271.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4916F	11/01/2000	183.0000		271.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4916F	03/09/2001	143.0000		271.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4916F	06/06/2001	275.0000	*	271.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4916F	08/02/2001	361.0000	*	271.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4916F	08/16/2001	355.0000	*	271.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4916F	12/04/2001	225.0000		271.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4916F	02/19/2002	242.0000		271.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4916F	09/11/2003	340.0000	*	271.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4916F	11/20/2003	300.0000	*	271.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4916F	03/01/2004	310.0000	*	271.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4916H	05/16/1991	334.0000	*	271.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4916H	08/15/1991	327.0000	*	271.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4916H	02/13/1992	215.0000		271.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4916H	05/12/1992	239.0000		271.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4916H	08/07/1992	269.0000		271.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4916H	09/14/1992	285.0000	*	271.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4916H	12/09/1992	253.0000		271.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4916H	02/03/1993	304.0000	*	271.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4916H	05/27/1993	324.0000	*	271.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4916H	08/17/1993	360.0000	*	271.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4916H	11/17/1993	358.0000	*	271.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4916H	02/25/1994	408.0000	*	271.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4916H	05/12/1994	398.0000	*	271.0000

* - Significantly increased over background.
ND = Not Detected, result = detection limit.

Table 6

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date	Result		Pred. Limit
Alkalinity, bicarbonate (as caco3)	MG/L	4916H	08/10/1994	323.0000	*	271.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4916H	11/09/1994	298.0000	*	271.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4916H	12/09/1994	321.0000	*	271.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4916H	02/02/1995	311.0000	*	271.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4916H	05/03/1995	261.0000		271.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4916H	08/07/1995	352.0000	*	271.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4916H	11/02/1995	258.0000		271.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4916H	02/05/1996	227.0000		271.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4916H	05/14/1996	183.0000		271.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4916H	08/28/1996	160.0000		271.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4916H	11/05/1996	165.0000		271.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4916H	02/10/1997	173.0000		271.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4916H	05/06/1997	172.0000		271.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4916H	08/04/1997	185.0000		271.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4916H	02/04/1998	185.0000		271.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4916H	05/04/1998	183.0000		271.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4916H	08/04/1998	180.0000		271.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4916H	11/17/1998	166.0000		271.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4916H	02/22/1999	159.0000		271.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4916H	06/01/1999	162.0000		271.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4916H	08/20/1999	166.0000		271.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4916H	11/22/1999	163.0000		271.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4916H	02/18/2000	162.0000		271.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4916H	05/04/2000	166.0000		271.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4916H	07/25/2000	26.7000		271.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4916H	11/01/2000	181.0000		271.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4916H	03/09/2001	243.0000		271.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4916H	06/06/2001	285.0000	*	271.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4916H	08/02/2001	314.0000	*	271.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4916H	08/16/2001	304.0000	*	271.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4916H	12/04/2001	231.0000		271.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4916H	02/19/2002	231.0000		271.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4916H	08/06/2002	270.0000		271.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4916H	03/05/2003	240.0000		271.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4916H	09/11/2003	330.0000	*	271.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4916H	11/20/2003	300.0000	*	271.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4916H	03/01/2004	300.0000	*	271.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4916J	02/13/1992	237.0000		271.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4916J	05/12/1992	268.0000		271.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4916J	08/07/1992	238.0000		271.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4916J	09/11/1992	222.0000		271.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4916J	11/19/1992	298.0000	*	271.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4916J	02/02/1993	255.0000		271.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4916J	05/27/1993	198.0000		271.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4916J	08/18/1993	341.0000	*	271.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4916J	11/17/1993	308.0000	*	271.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4916J	02/24/1994	325.0000	*	271.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4916J	05/12/1994	268.0000		271.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4916J	08/11/1994	245.0000		271.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4916J	11/09/1994	276.0000	*	271.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4916J	02/02/1995	244.0000		271.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4916J	05/04/1995	205.0000		271.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4916J	08/08/1995	250.0000		271.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4916J	11/03/1995	232.0000		271.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4916J	02/06/1996	231.0000		271.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4916J	05/14/1996	174.0000		271.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4916J	08/12/1996	170.0000		271.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4916J	11/06/1996	165.0000		271.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4916J	02/11/1997	185.0000		271.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4916J	05/06/1997	173.0000		271.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4916J	08/12/1997	179.0000		271.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4916J	02/09/1998	189.0000		271.0000

* - Significantly increased over background.
ND = Not Detected, result = detection limit.

Table 6

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Alkalinity, bicarbonate (as caco3)	MG/L	4916J	05/04/1998		188.0000		271.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4916J	08/05/1998		184.0000		271.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4916J	02/22/1999		162.0000		271.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4916J	06/10/1999		163.0000		271.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4916J	08/25/1999	ND	5.0000		271.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4916J	12/03/1999		168.0000		271.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4916J	02/07/2000		170.0000		271.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4916J	05/19/2000		169.0000		271.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4916J	08/07/2000		170.0000		271.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4916J	11/02/2000		176.0000		271.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4916J	03/14/2001		236.0000		271.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4916J	06/12/2001		317.0000	*	271.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4916J	08/02/2001		346.0000	*	271.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4916J	08/16/2001		342.0000	*	271.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4916J	12/04/2001		235.0000		271.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4916J	02/19/2002		241.0000		271.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4916J	08/29/2002		250.0000		271.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4916J	02/17/2003		200.0000		271.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4916J	09/11/2003		420.0000	*	271.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4916J	11/19/2003		310.0000	*	271.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4916J	03/04/2004		290.0000	*	271.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4926C	05/21/1991		490.0000	*	271.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4926C	08/13/1991	ND	5.0000		271.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4926C	02/28/1992		215.0000		271.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4926C	05/26/1992		227.0000		271.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4926C	08/06/1992		189.0000		271.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4926C	09/10/1992		173.0000		271.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4926C	11/18/1992		169.0000		271.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4926C	02/04/1993		147.0000		271.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4926C	05/25/1993		200.0000		271.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4926C	08/19/1993	ND	10.0000		271.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4926C	11/16/1993		194.0000		271.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4926C	02/24/1994		198.0000		271.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4926C	05/11/1994		204.0000		271.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4926C	08/12/1994		225.0000		271.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4926C	11/08/1994		233.0000		271.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4926C	02/03/1995		224.0000		271.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4926C	05/03/1995		252.0000		271.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4926C	08/08/1995		239.0000		271.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4926C	11/03/1995		228.0000		271.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4926C	02/06/1996		201.0000		271.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4926C	08/12/1996		209.0000		271.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4926C	11/06/1996		208.0000		271.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4926C	02/11/1997		227.0000		271.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4926C	05/05/1997		224.0000		271.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4926C	08/04/1997		227.0000		271.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4926C	02/04/1998		203.0000		271.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4926C	05/06/1998		202.0000		271.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4926C	08/03/1998		205.0000		271.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4926C	11/18/1998		174.0000		271.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4926C	02/22/1999		176.0000		271.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4926C	06/01/1999		191.0000		271.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4926C	08/20/1999		196.0000		271.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4926C	11/23/1999		174.0000		271.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4926C	02/18/2000		166.0000		271.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4926C	06/29/2000		169.0000		271.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4926C	08/07/2000		157.0000		271.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4926C	11/02/2000		161.0000		271.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4926C	04/17/2001		287.0000	*	271.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4926C	06/01/2001		252.0000		271.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4926C	06/06/2001		252.5000		271.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4926C	08/14/2001		222.0000		271.0000

* - Significantly increased over background.
ND = Not Detected, result = detection limit.

Table 6

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date		Result		Pred. Limit
Alkalinity, bicarbonate (as caco3)	MG/L	4926C	12/05/2001		202.0000		271.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4926C	02/20/2002		171.0000		271.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4926C	09/08/2003		290.0000	*	271.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4926C	11/19/2003		230.0000		271.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4926C	02/19/2004		180.0000		271.0000
Biochemical oxygen demand	MG/L	4916D	09/11/2000	ND	2.0000		2.0000
Biochemical oxygen demand	MG/L	4916D	11/02/2000	ND	2.0000		2.0000
Biochemical oxygen demand	MG/L	4916D	03/12/2001	ND	2.0000		2.0000
Biochemical oxygen demand	MG/L	4916D	06/07/2001		6.7000	*	2.0000
Biochemical oxygen demand	MG/L	4916D	08/21/2001		2.4000	*	2.0000
Biochemical oxygen demand	MG/L	4916D	12/05/2001	ND	2.0000		2.0000
Biochemical oxygen demand	MG/L	4916D	02/22/2002	ND	2.0000		2.0000
Biochemical oxygen demand	MG/L	4916D	08/14/2002	ND	2.0000		2.0000
Biochemical oxygen demand	MG/L	4916D	03/04/2003	ND	2.0000		2.0000
Biochemical oxygen demand	MG/L	4916D	09/26/2003		10.0000	*	2.0000
Biochemical oxygen demand	MG/L	4916D	11/20/2003		6.7000	*	2.0000
Biochemical oxygen demand	MG/L	4916D	02/27/2004		3.9000	*	2.0000
Biochemical oxygen demand	MG/L	4916F	07/25/2000	ND	2.0000		2.0000
Biochemical oxygen demand	MG/L	4916F	11/01/2000	ND	2.0000		2.0000
Biochemical oxygen demand	MG/L	4916F	03/09/2001	ND	2.0000		2.0000
Biochemical oxygen demand	MG/L	4916F	06/06/2001		7.2000	*	2.0000
Biochemical oxygen demand	MG/L	4916F	08/16/2001	ND	2.0000		2.0000
Biochemical oxygen demand	MG/L	4916F	12/04/2001		2.5000	*	2.0000
Biochemical oxygen demand	MG/L	4916F	02/19/2002	ND	2.0000		2.0000
Biochemical oxygen demand	MG/L	4916F	09/11/2003		22.0000	*	2.0000
Biochemical oxygen demand	MG/L	4916F	11/20/2003		10.0000	*	2.0000
Biochemical oxygen demand	MG/L	4916F	03/01/2004		5.2000	*	2.0000
Biochemical oxygen demand	MG/L	4916H	07/25/2000	ND	2.0000		2.0000
Biochemical oxygen demand	MG/L	4916H	11/01/2000	ND	2.0000		2.0000
Biochemical oxygen demand	MG/L	4916H	03/09/2001		2.1000	*	2.0000
Biochemical oxygen demand	MG/L	4916H	06/06/2001		5.2000	*	2.0000
Biochemical oxygen demand	MG/L	4916H	08/16/2001	ND	2.0000		2.0000
Biochemical oxygen demand	MG/L	4916H	12/04/2001	ND	2.0000		2.0000
Biochemical oxygen demand	MG/L	4916H	02/19/2002	ND	2.0000		2.0000
Biochemical oxygen demand	MG/L	4916H	08/06/2002	ND	2.0000		2.0000
Biochemical oxygen demand	MG/L	4916H	03/05/2003	ND	2.0000		2.0000
Biochemical oxygen demand	MG/L	4916H	09/11/2003		26.0000	*	2.0000
Biochemical oxygen demand	MG/L	4916H	11/20/2003		9.1000	*	2.0000
Biochemical oxygen demand	MG/L	4916H	03/01/2004		6.9000	*	2.0000
Biochemical oxygen demand	MG/L	4916J	08/07/2000	ND	2.0000		2.0000
Biochemical oxygen demand	MG/L	4916J	11/02/2000	ND	2.0000		2.0000
Biochemical oxygen demand	MG/L	4916J	03/14/2001	ND	2.0000		2.0000
Biochemical oxygen demand	MG/L	4916J	06/12/2001		7.3000	*	2.0000
Biochemical oxygen demand	MG/L	4916J	08/16/2001	ND	2.0000		2.0000
Biochemical oxygen demand	MG/L	4916J	12/04/2001		3.2000	*	2.0000
Biochemical oxygen demand	MG/L	4916J	02/19/2002	ND	2.0000		2.0000
Biochemical oxygen demand	MG/L	4916J	08/29/2002	ND	2.0000		2.0000
Biochemical oxygen demand	MG/L	4916J	02/17/2003	ND	2.0000		2.0000
Biochemical oxygen demand	MG/L	4916J	09/11/2003	ND	2.0000		2.0000
Biochemical oxygen demand	MG/L	4916J	03/04/2004		7.1000	*	2.0000
Calcium-dissolved	UG/L	4916J	09/11/1992		54100.0000		97238.9268
Calcium-dissolved	UG/L	4916J	08/11/1994		82000.0000		97238.9268
Calcium-dissolved	UG/L	4916J	08/12/1994		85000.0000		97238.9268
Calcium-dissolved	UG/L	4916J	11/09/1994		93000.0000		97238.9268
Calcium-dissolved	UG/L	4916J	02/02/1995		79300.0000		97238.9268
Calcium-dissolved	UG/L	4916J	05/04/1995		66200.0000		97238.9268
Calcium-dissolved	UG/L	4916J	08/08/1995		84100.0000		97238.9268
Calcium-dissolved	UG/L	4916J	11/03/1995		65800.0000		97238.9268
Calcium-dissolved	UG/L	4916J	05/14/1996		64300.0000		97238.9268
Calcium-dissolved	UG/L	4916J	08/12/1996		59400.0000		97238.9268
Calcium-dissolved	UG/L	4916J	11/06/1996		61000.0000		97238.9268
Calcium-dissolved	UG/L	4916J	02/11/1997		57900.0000		97238.9268

* - Significantly increased over background.
ND = Not Detected, result = detection limit.

Table 6

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date	Result		Pred. Limit
Calcium-dissolved	UG/L	4916J	05/06/1997	53200.0000		97238.9268
Calcium-dissolved	UG/L	4916J	08/12/1997	60300.0000		97238.9268
Calcium-dissolved	UG/L	4916J	02/09/1998	62200.0000		97238.9268
Calcium-dissolved	UG/L	4916J	05/04/1998	62100.0000		97238.9268
Calcium-dissolved	UG/L	4916J	08/05/1998	60300.0000		97238.9268
Calcium-dissolved	UG/L	4916J	02/22/1999	56700.0000		97238.9268
Calcium-dissolved	UG/L	4916J	06/10/1999	57900.0000		97238.9268
Calcium-dissolved	UG/L	4916J	08/25/1999	59600.0000		97238.9268
Calcium-dissolved	UG/L	4916J	12/03/1999	56400.0000		97238.9268
Calcium-dissolved	UG/L	4916J	02/07/2000	53000.0000		97238.9268
Calcium-dissolved	UG/L	4916J	05/19/2000	55400.0000		97238.9268
Calcium-dissolved	UG/L	4916J	08/07/2000	61500.0000		97238.9268
Calcium-dissolved	UG/L	4916J	11/02/2000	51800.0000		97238.9268
Calcium-dissolved	UG/L	4916J	03/14/2001	64800.0000		97238.9268
Calcium-dissolved	UG/L	4916J	06/12/2001	104000.0000	*	97238.9268
Calcium-dissolved	UG/L	4916J	08/02/2001	92800.0000		97238.9268
Calcium-dissolved	UG/L	4916J	08/16/2001	98300.0000	*	97238.9268
Calcium-dissolved	UG/L	4916J	12/04/2001	63200.0000		97238.9268
Calcium-dissolved	UG/L	4916J	02/19/2002	65600.0000		97238.9268
Calcium-dissolved	UG/L	4916J	08/29/2002	67000.0000		97238.9268
Calcium-dissolved	UG/L	4916J	02/17/2003	58000.0000		97238.9268
Calcium-dissolved	UG/L	4916J	09/11/2003	110000.0000	*	97238.9268
Calcium-dissolved	UG/L	4916J	11/19/2003	91000.0000		97238.9268
Calcium-dissolved	UG/L	4916J	03/04/2004	88000.0000		97238.9268
Magnesium-dissolved	UG/L	4916J	09/11/1992	14500.0000		27456.9772
Magnesium-dissolved	UG/L	4916J	08/11/1994	20600.0000		27456.9772
Magnesium-dissolved	UG/L	4916J	08/12/1994	21200.0000		27456.9772
Magnesium-dissolved	UG/L	4916J	11/09/1994	23500.0000		27456.9772
Magnesium-dissolved	UG/L	4916J	02/02/1995	20000.0000		27456.9772
Magnesium-dissolved	UG/L	4916J	05/04/1995	17300.0000		27456.9772
Magnesium-dissolved	UG/L	4916J	08/08/1995	21000.0000		27456.9772
Magnesium-dissolved	UG/L	4916J	11/03/1995	17400.0000		27456.9772
Magnesium-dissolved	UG/L	4916J	05/14/1996	18100.0000		27456.9772
Magnesium-dissolved	UG/L	4916J	08/12/1996	14000.0000		27456.9772
Magnesium-dissolved	UG/L	4916J	11/06/1996	15800.0000		27456.9772
Magnesium-dissolved	UG/L	4916J	02/11/1997	15400.0000		27456.9772
Magnesium-dissolved	UG/L	4916J	05/06/1997	15500.0000		27456.9772
Magnesium-dissolved	UG/L	4916J	08/12/1997	16500.0000		27456.9772
Magnesium-dissolved	UG/L	4916J	02/09/1998	16000.0000		27456.9772
Magnesium-dissolved	UG/L	4916J	05/04/1998	17800.0000		27456.9772
Magnesium-dissolved	UG/L	4916J	08/05/1998	16900.0000		27456.9772
Magnesium-dissolved	UG/L	4916J	02/22/1999	15800.0000		27456.9772
Magnesium-dissolved	UG/L	4916J	06/10/1999	15000.0000		27456.9772
Magnesium-dissolved	UG/L	4916J	08/25/1999	15900.0000		27456.9772
Magnesium-dissolved	UG/L	4916J	12/03/1999	15200.0000		27456.9772
Magnesium-dissolved	UG/L	4916J	02/07/2000	15000.0000		27456.9772
Magnesium-dissolved	UG/L	4916J	05/19/2000	15900.0000		27456.9772
Magnesium-dissolved	UG/L	4916J	08/07/2000	16400.0000		27456.9772
Magnesium-dissolved	UG/L	4916J	11/02/2000	14800.0000		27456.9772
Magnesium-dissolved	UG/L	4916J	03/14/2001	19100.0000		27456.9772
Magnesium-dissolved	UG/L	4916J	06/12/2001	28000.0000	*	27456.9772
Magnesium-dissolved	UG/L	4916J	08/16/2001	25600.0000		27456.9772
Magnesium-dissolved	UG/L	4916J	12/04/2001	17300.0000		27456.9772
Magnesium-dissolved	UG/L	4916J	02/19/2002	18500.0000		27456.9772
Magnesium-dissolved	UG/L	4916J	08/29/2002	19000.0000		27456.9772
Magnesium-dissolved	UG/L	4916J	02/17/2003	16000.0000		27456.9772
Magnesium-dissolved	UG/L	4916J	09/11/2003	32000.0000	*	27456.9772
Magnesium-dissolved	UG/L	4916J	11/19/2003	25000.0000		27456.9772
Magnesium-dissolved	UG/L	4916J	03/04/2004	24000.0000		27456.9772
Specific conductance	UMHOS/CM	4916J	02/13/1992	592.0000		857.0175
Specific conductance	UMHOS/CM	4916J	05/12/1992	666.0000		857.0175
Specific conductance	UMHOS/CM	4916J	08/07/1992	627.0000		857.0175

* - Significantly increased over background.
ND = Not Detected, result = detection limit.

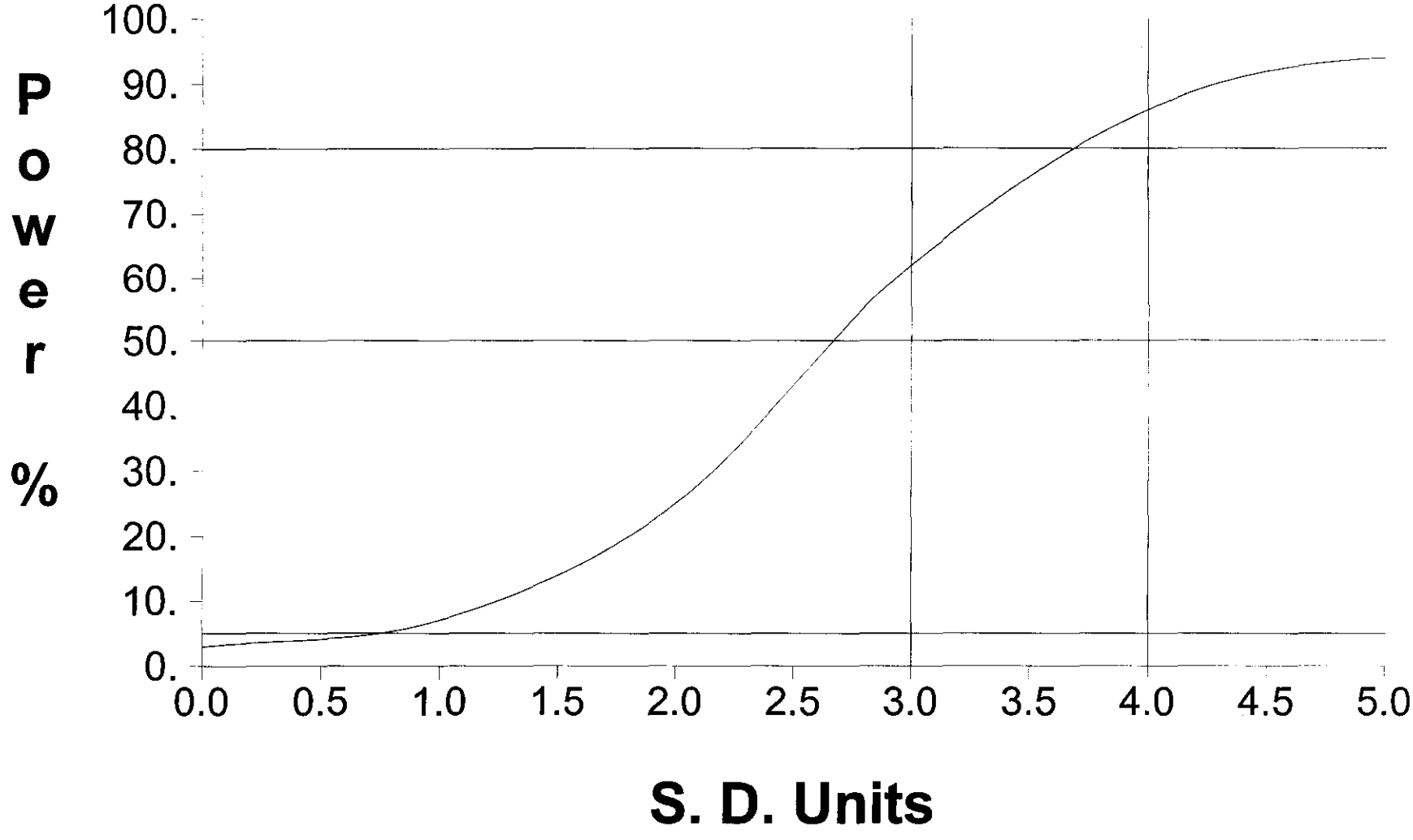
Table 6

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

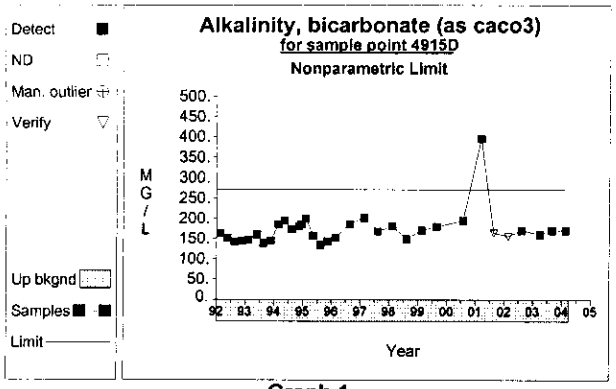
Constituent	Units	Well	Date		Result		Pred. Limit
Specific conductance	UMHOS/CM	4916J	09/11/1992		577.0000		857.0175
Specific conductance	UMHOS/CM	4916J	02/02/1993		673.0000		857.0175
Specific conductance	UMHOS/CM	4916J	05/27/1993		567.0000		857.0175
Specific conductance	UMHOS/CM	4916J	08/18/1993		845.0000		857.0175
Specific conductance	UMHOS/CM	4916J	02/24/1994		931.0000	*	857.0175
Specific conductance	UMHOS/CM	4916J	05/12/1994		797.0000		857.0175
Specific conductance	UMHOS/CM	4916J	08/11/1994		722.0000		857.0175
Specific conductance	UMHOS/CM	4916J	11/09/1994		698.0000		857.0175
Specific conductance	UMHOS/CM	4916J	02/02/1995		659.0000		857.0175
Specific conductance	UMHOS/CM	4916J	05/04/1995		586.0000		857.0175
Specific conductance	UMHOS/CM	4916J	08/08/1995		705.0000		857.0175
Specific conductance	UMHOS/CM	4916J	11/03/1995		637.0000		857.0175
Specific conductance	UMHOS/CM	4916J	03/14/2001		558.0000		857.0175
Specific conductance	UMHOS/CM	4916J	08/29/2002		550.0000		857.0175
Specific conductance	UMHOS/CM	4916J	02/17/2003		430.0000		857.0175
Specific conductance	UMHOS/CM	4916J	09/11/2003		900.0000	*	857.0175
Specific conductance	UMHOS/CM	4916J	11/19/2003		710.0000		857.0175
Specific conductance	UMHOS/CM	4916J	03/04/2004		730.0000		857.0175

* - Significantly increased over background.
ND = Not Detected, result = detection limit.

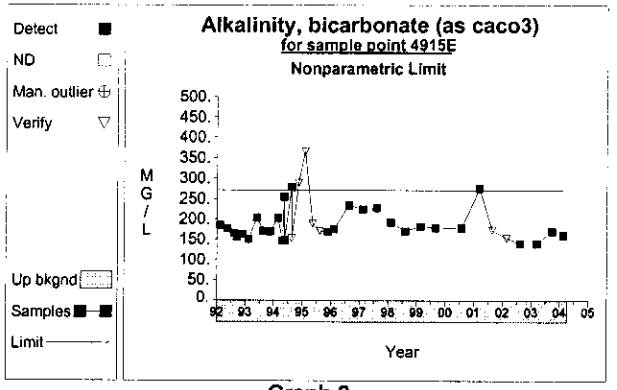
False Positive and False Negative Rates for Current Upgradient vs. Downgradient Monitoring Program



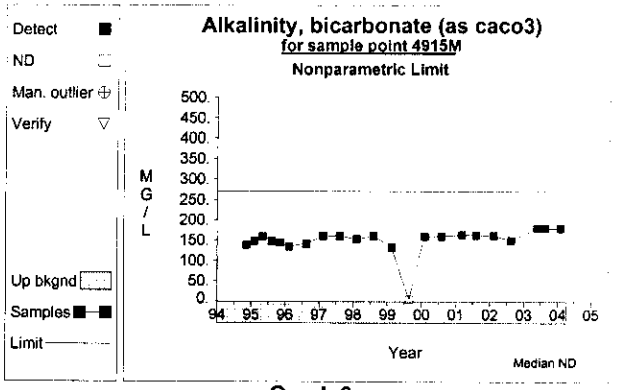
Up vs. Down Prediction Limits



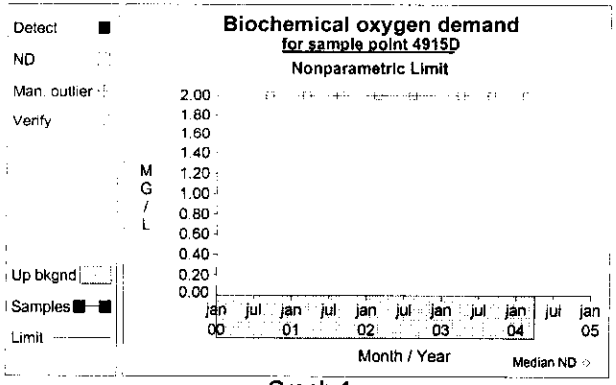
Graph 1



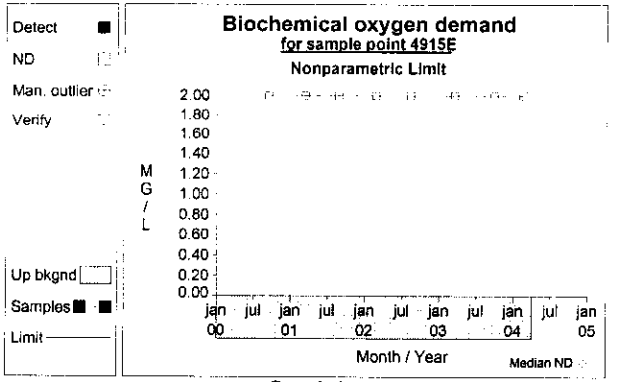
Graph 2



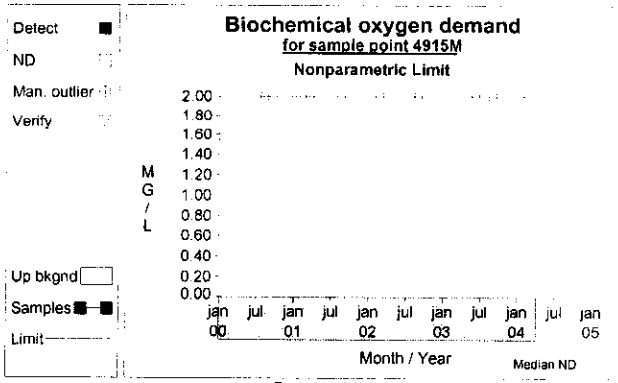
Graph 3



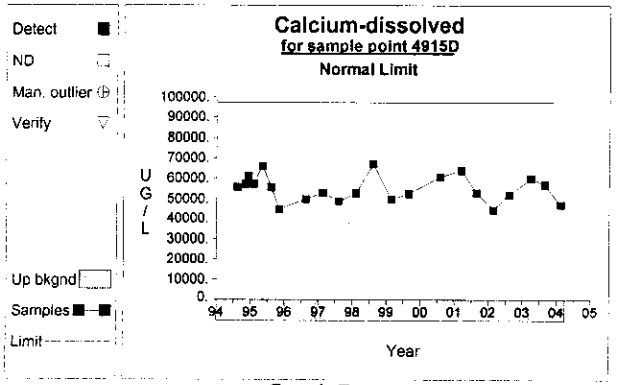
Graph 4



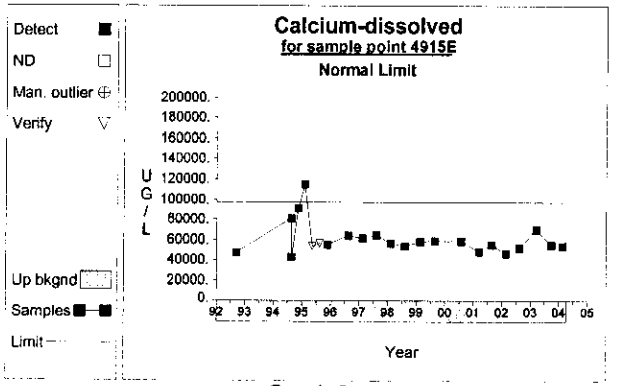
Graph 5



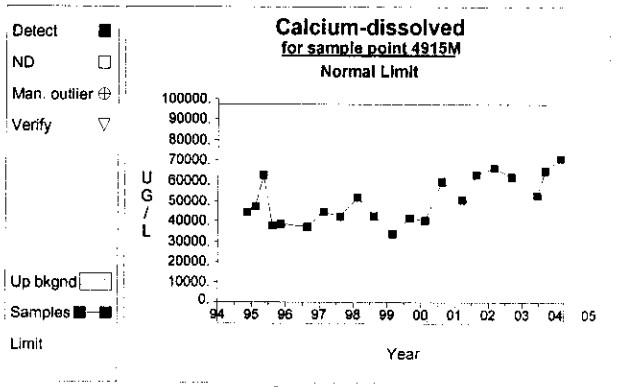
Graph 6



Graph 7

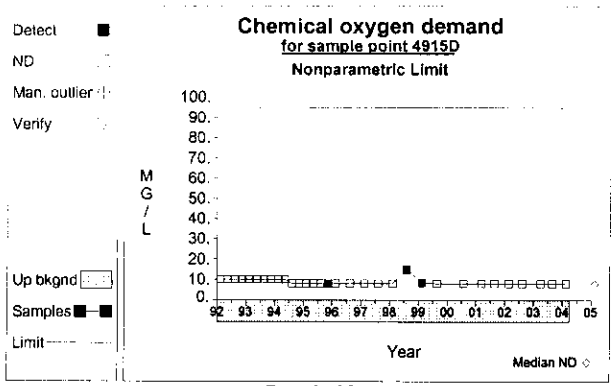


Graph 8

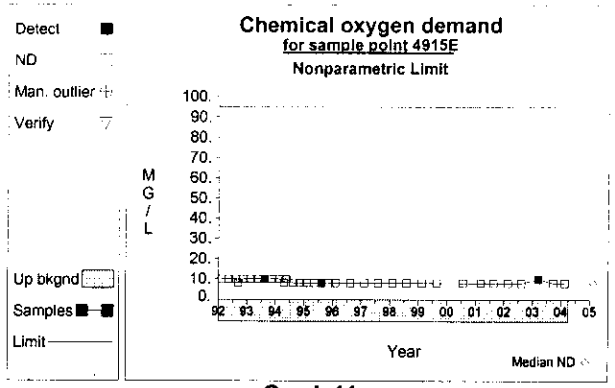


Graph 9

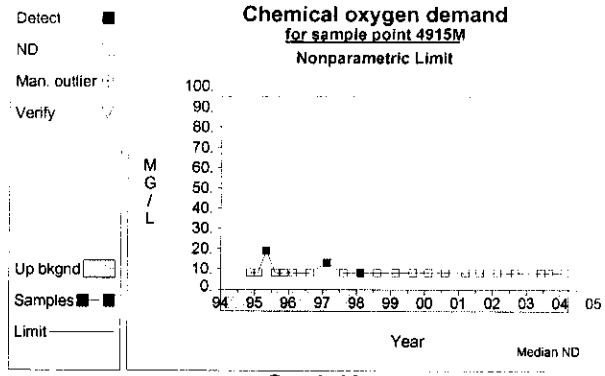
Up vs. Down Prediction Limits



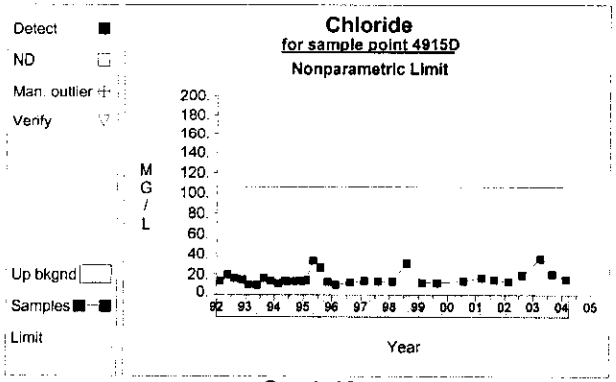
Graph 10



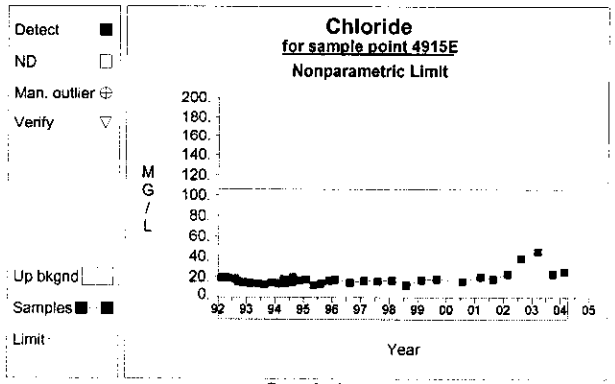
Graph 11



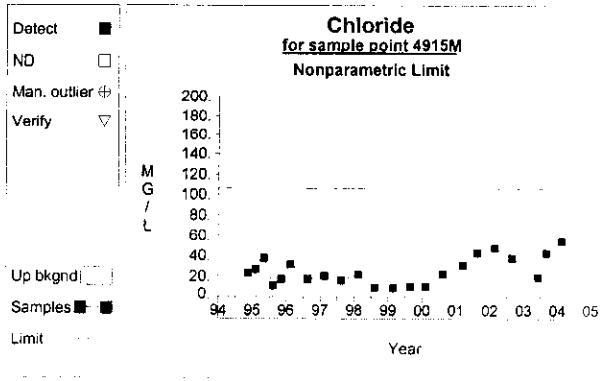
Graph 12



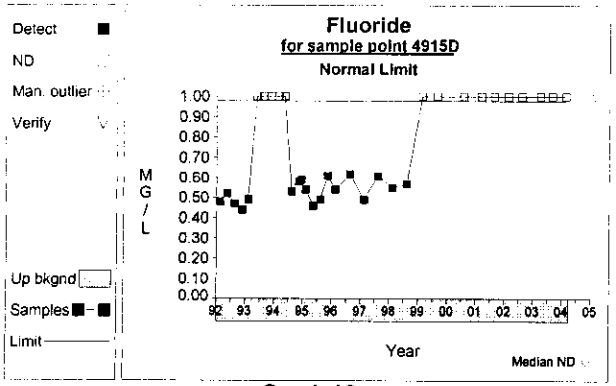
Graph 13



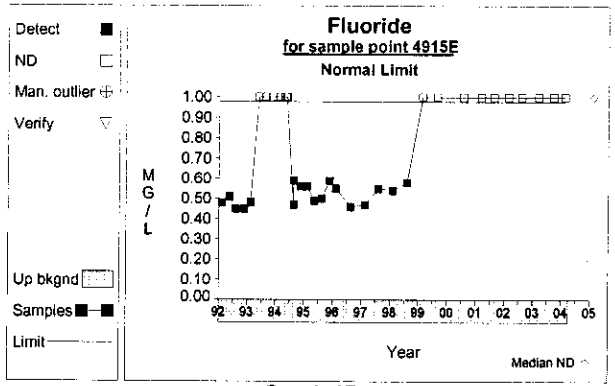
Graph 14



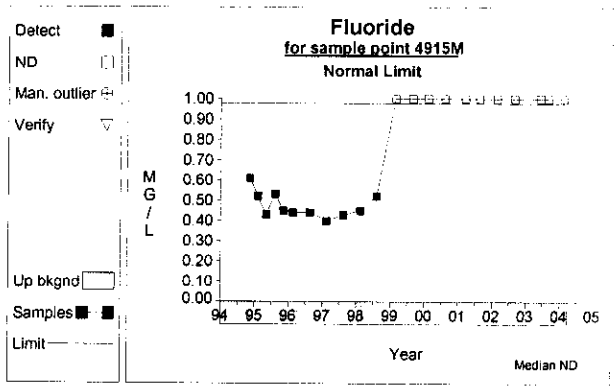
Graph 15



Graph 16

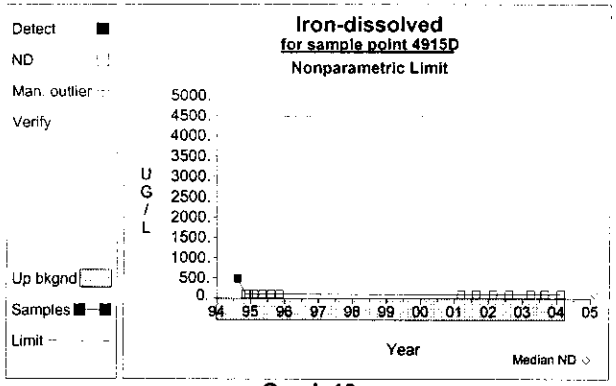


Graph 17

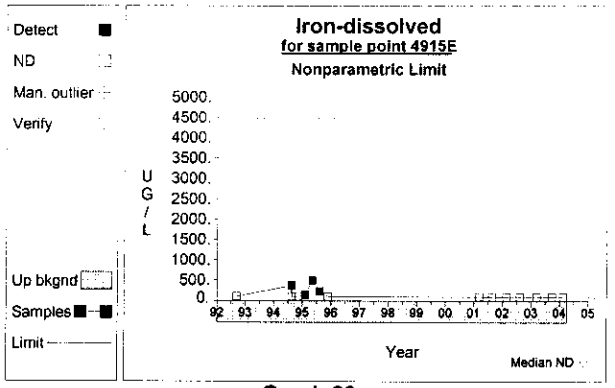


Graph 18

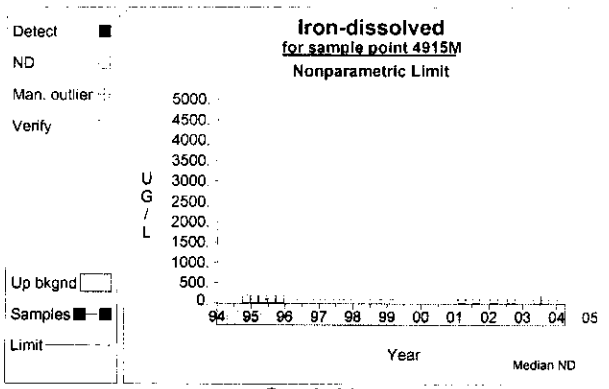
Up vs. Down Prediction Limits



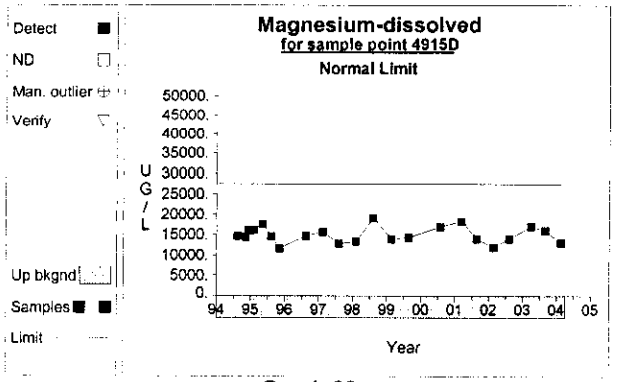
Graph 19



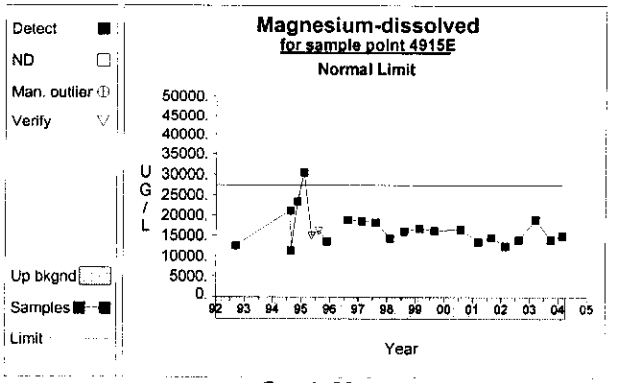
Graph 20



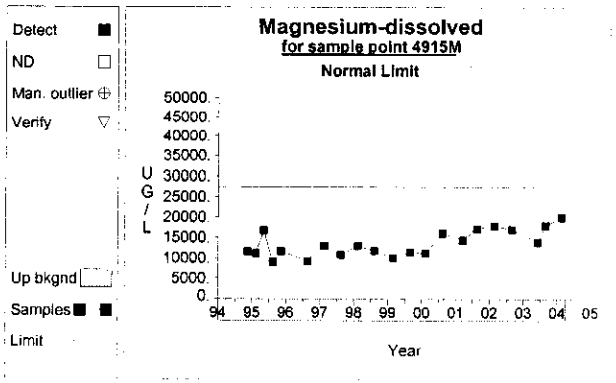
Graph 21



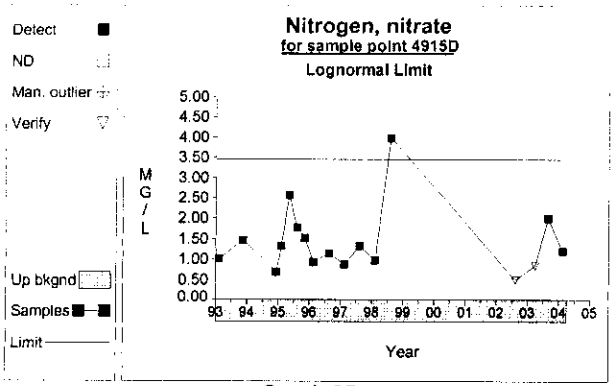
Graph 22



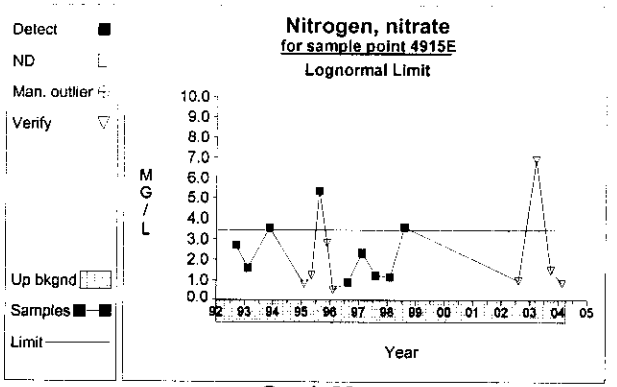
Graph 23



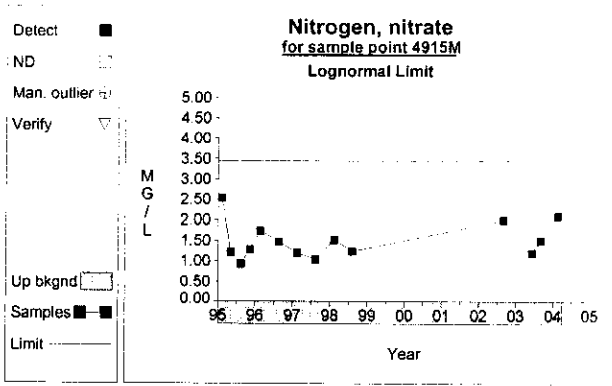
Graph 24



Graph 25

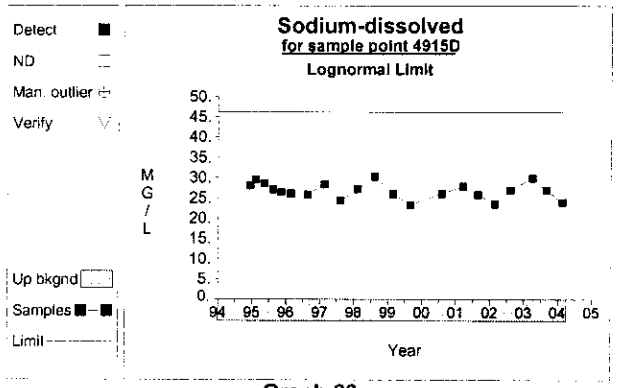


Graph 26

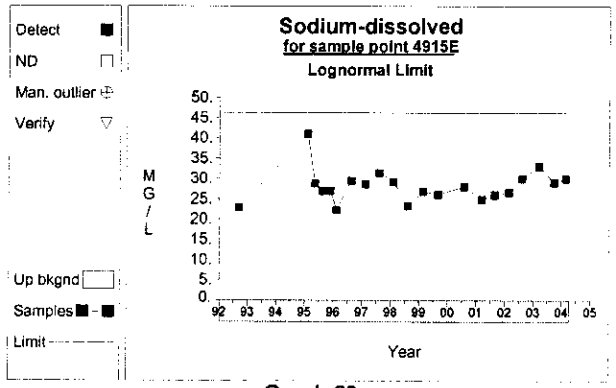


Graph 27

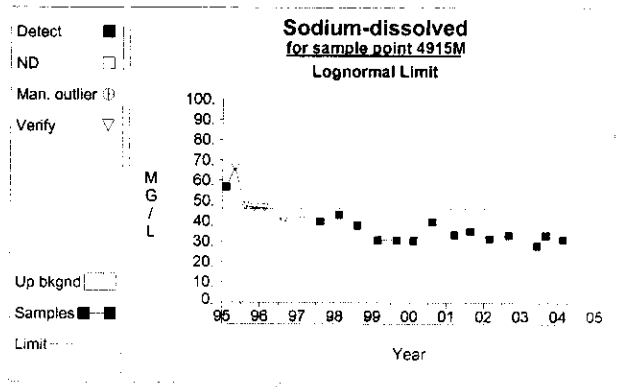
Up vs. Down Prediction Limits



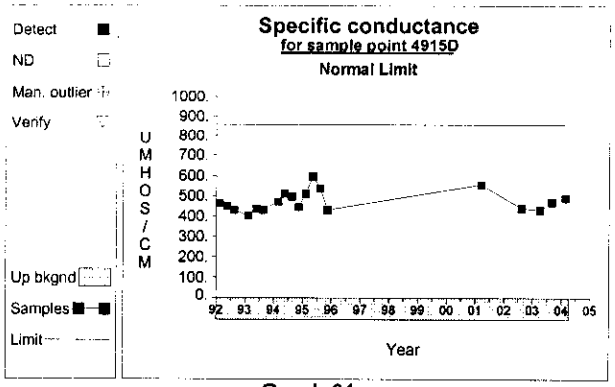
Graph 28



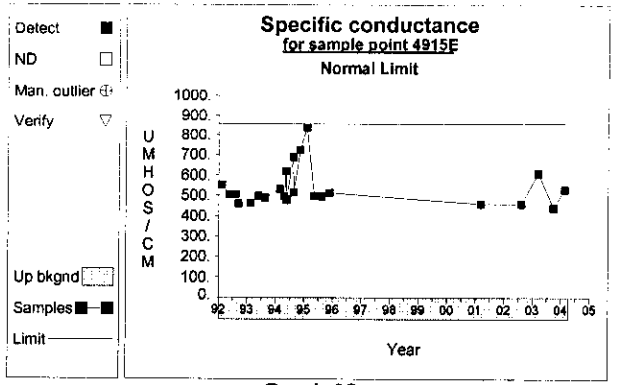
Graph 29



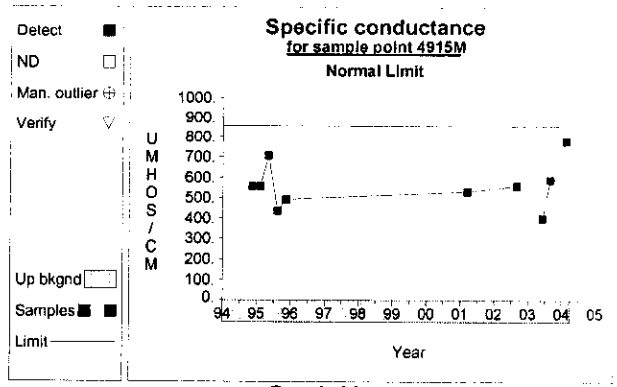
Graph 30



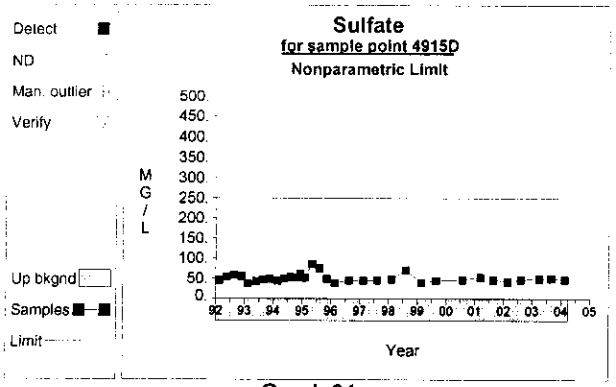
Graph 31



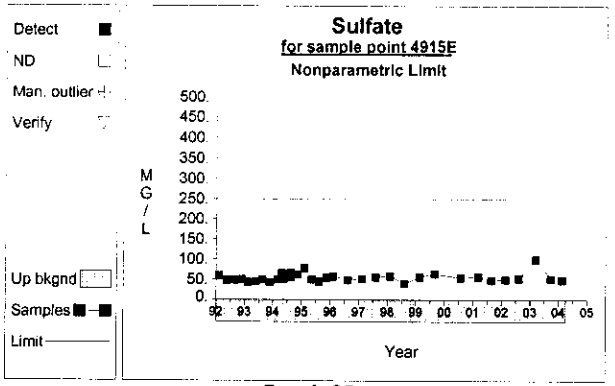
Graph 32



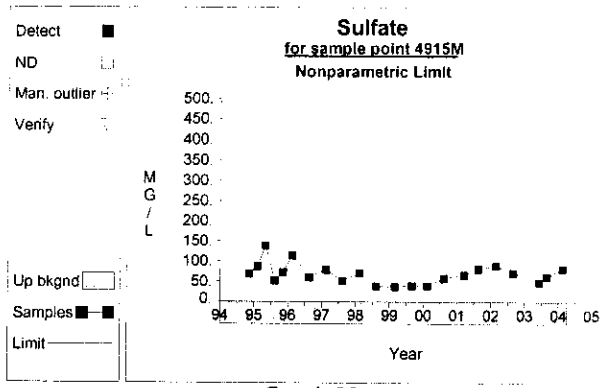
Graph 33



Graph 34

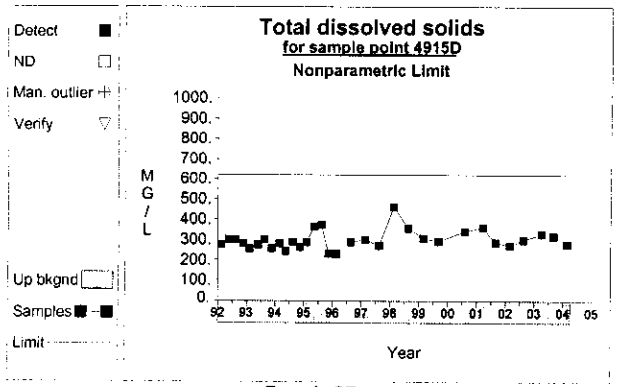


Graph 35

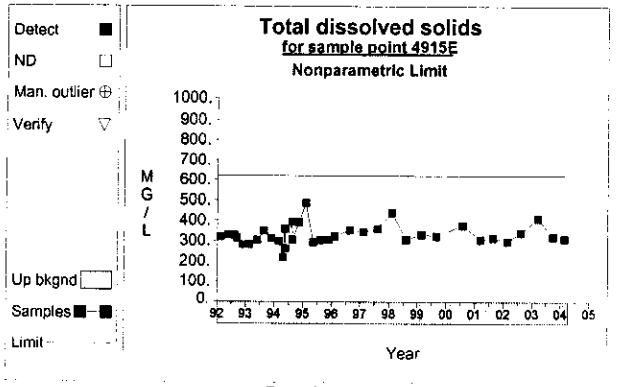


Graph 36

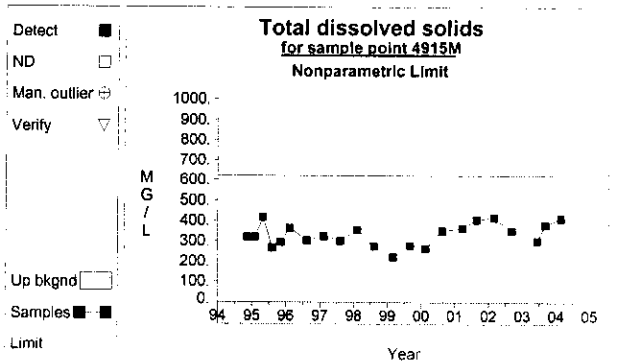
Up vs. Down Prediction Limits



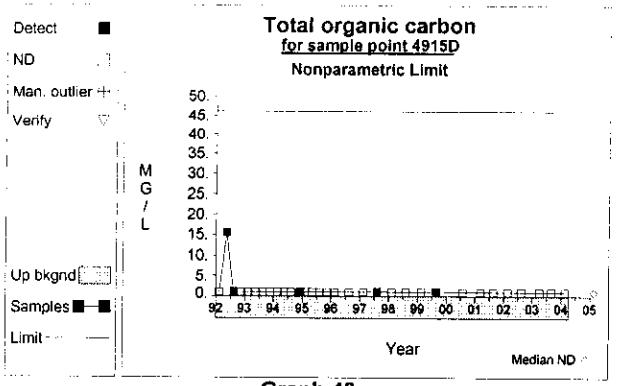
Graph 37



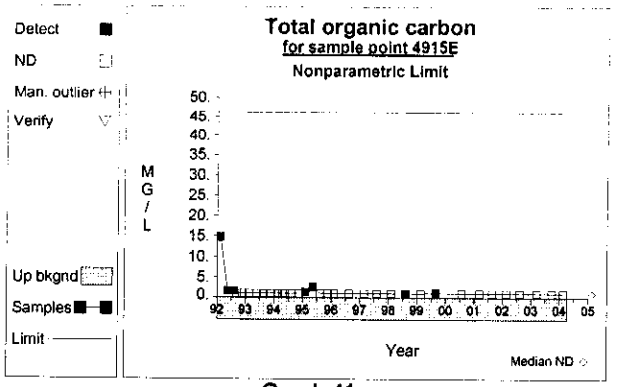
Graph 38



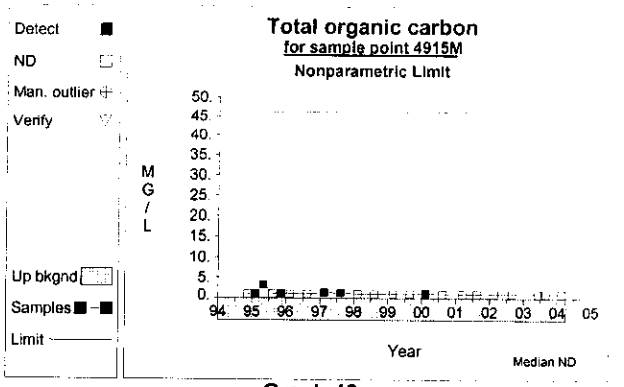
Graph 39



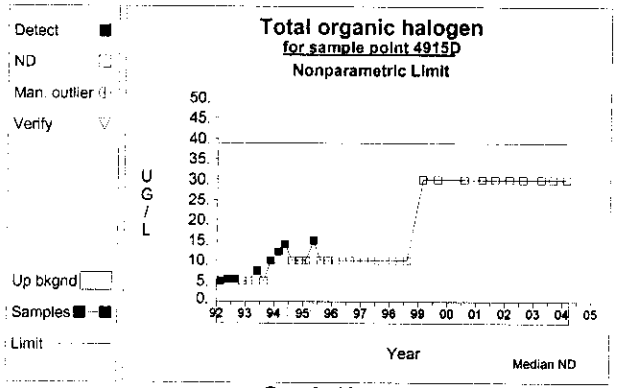
Graph 40



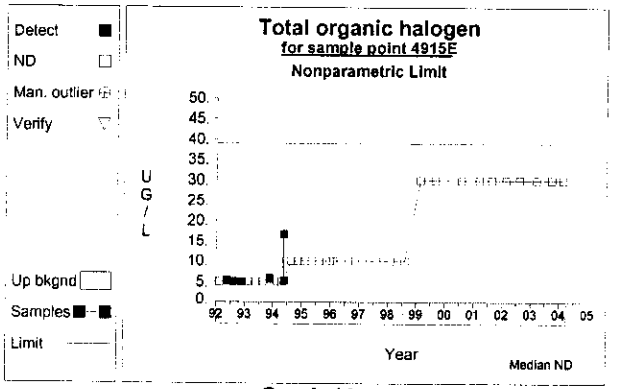
Graph 41



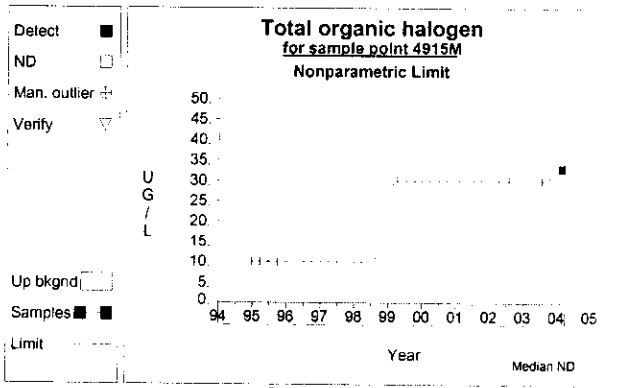
Graph 42



Graph 43



Graph 44



Graph 45

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	
Alkalinity, bicarbonate (as caco3)	MG/L	4915A	05/10/1991		114.0000	
Alkalinity, bicarbonate (as caco3)	MG/L	4915A	08/12/1991	ND	5.0000	
Alkalinity, bicarbonate (as caco3)	MG/L	4915A	02/11/1992		171.0000	
Alkalinity, bicarbonate (as caco3)	MG/L	4915A	05/14/1992	ND	10.0000	
Alkalinity, bicarbonate (as caco3)	MG/L	4915A	08/10/1992		44.0000	
Alkalinity, bicarbonate (as caco3)	MG/L	4915A	09/10/1992		47.0000	
Alkalinity, bicarbonate (as caco3)	MG/L	4915A	11/18/1992		43.0000	
Alkalinity, bicarbonate (as caco3)	MG/L	4915A	02/09/1993		33.0000	
Alkalinity, bicarbonate (as caco3)	MG/L	4915A	05/26/1993		184.0000	
Alkalinity, bicarbonate (as caco3)	MG/L	4915A	08/18/1993		146.0000	
Alkalinity, bicarbonate (as caco3)	MG/L	4915A	11/16/1993		179.0000	
Alkalinity, bicarbonate (as caco3)	MG/L	4915A	02/24/1994		247.0000	
Alkalinity, bicarbonate (as caco3)	MG/L	4915A	05/11/1994		247.0000	
Alkalinity, bicarbonate (as caco3)	MG/L	4915A	08/11/1994		261.0000	
Alkalinity, bicarbonate (as caco3)	MG/L	4915A	11/11/1994		230.0000	
Alkalinity, bicarbonate (as caco3)	MG/L	4915A	12/07/1994		226.0000	
Alkalinity, bicarbonate (as caco3)	MG/L	4915A	02/03/1995		226.0000	
Alkalinity, bicarbonate (as caco3)	MG/L	4915A	05/04/1995		263.0000	
Alkalinity, bicarbonate (as caco3)	MG/L	4915A	08/08/1995		207.0000	
Alkalinity, bicarbonate (as caco3)	MG/L	4915A	11/03/1995		192.0000	
Alkalinity, bicarbonate (as caco3)	MG/L	4915A	02/06/1996		173.0000	
Alkalinity, bicarbonate (as caco3)	MG/L	4915A	08/13/1996		196.0000	
Alkalinity, bicarbonate (as caco3)	MG/L	4915A	02/12/1997		230.0000	
Alkalinity, bicarbonate (as caco3)	MG/L	4915A	08/05/1997		189.0000	
Alkalinity, bicarbonate (as caco3)	MG/L	4915A	02/04/1998		178.0000	
Alkalinity, bicarbonate (as caco3)	MG/L	4915A	08/04/1998		191.0000	
Alkalinity, bicarbonate (as caco3)	MG/L	4915A	02/18/1999		191.0000	
Alkalinity, bicarbonate (as caco3)	MG/L	4915A	08/24/1999		177.0000	
Alkalinity, bicarbonate (as caco3)	MG/L	4915A	02/18/2000		144.0000	
Alkalinity, bicarbonate (as caco3)	MG/L	4915A	07/26/2000		167.0000	
Alkalinity, bicarbonate (as caco3)	MG/L	4915A	03/08/2001		139.0000	
Alkalinity, bicarbonate (as caco3)	MG/L	4915A	08/21/2001		184.0000	
Alkalinity, bicarbonate (as caco3)	MG/L	4915A	02/21/2002		158.0000	
Alkalinity, bicarbonate (as caco3)	MG/L	4915A	08/06/2002		130.0000	
Alkalinity, bicarbonate (as caco3)	MG/L	4915A	02/10/2003		120.0000	
Alkalinity, bicarbonate (as caco3)	MG/L	4915A	09/25/2003		170.0000	
Alkalinity, bicarbonate (as caco3)	MG/L	4915A	02/16/2004		190.0000	
Alkalinity, bicarbonate (as caco3)	MG/L	4915B	05/10/1991		114.0000	
Alkalinity, bicarbonate (as caco3)	MG/L	4915B	08/12/1991	ND	5.0000	*
Alkalinity, bicarbonate (as caco3)	MG/L	4915B	02/11/1992		132.0000	
Alkalinity, bicarbonate (as caco3)	MG/L	4915B	05/13/1992		92.0000	
Alkalinity, bicarbonate (as caco3)	MG/L	4915B	08/10/1992		115.0000	
Alkalinity, bicarbonate (as caco3)	MG/L	4915B	11/17/1992		144.0000	
Alkalinity, bicarbonate (as caco3)	MG/L	4915B	02/09/1993		113.0000	
Alkalinity, bicarbonate (as caco3)	MG/L	4915B	05/25/1993		131.0000	
Alkalinity, bicarbonate (as caco3)	MG/L	4915B	08/13/1993		134.0000	
Alkalinity, bicarbonate (as caco3)	MG/L	4915B	11/18/1993		115.0000	
Alkalinity, bicarbonate (as caco3)	MG/L	4915B	02/23/1994		129.0000	
Alkalinity, bicarbonate (as caco3)	MG/L	4915B	05/10/1994		116.0000	
Alkalinity, bicarbonate (as caco3)	MG/L	4915B	08/16/1994		138.0000	
Alkalinity, bicarbonate (as caco3)	MG/L	4915B	11/07/1994		169.0000	
Alkalinity, bicarbonate (as caco3)	MG/L	4915B	12/07/1994		174.0000	
Alkalinity, bicarbonate (as caco3)	MG/L	4915B	02/01/1995		224.0000	
Alkalinity, bicarbonate (as caco3)	MG/L	4915B	04/19/1995		136.0000	
Alkalinity, bicarbonate (as caco3)	MG/L	4915B	05/08/1995		132.0000	
Alkalinity, bicarbonate (as caco3)	MG/L	4915B	08/10/1995		124.0000	
Alkalinity, bicarbonate (as caco3)	MG/L	4915B	11/07/1995		127.0000	
Alkalinity, bicarbonate (as caco3)	MG/L	4915B	02/12/1996		156.0000	
Alkalinity, bicarbonate (as caco3)	MG/L	4915B	08/19/1996		177.0000	
Alkalinity, bicarbonate (as caco3)	MG/L	4915B	02/13/1997		175.0000	
Alkalinity, bicarbonate (as caco3)	MG/L	4915B	08/06/1997		163.0000	
Alkalinity, bicarbonate (as caco3)	MG/L	4915B	02/09/1998		162.0000	
Alkalinity, bicarbonate (as caco3)	MG/L	4915B	08/06/1998		136.0000	
Alkalinity, bicarbonate (as caco3)	MG/L	4915B	02/22/1999		136.0000	
Alkalinity, bicarbonate (as caco3)	MG/L	4915B	08/25/1999	ND	5.0000	*

* - Outlier for that well and constituent.
ND = Not detected, result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result
Alkalinity, bicarbonate (as caco3)	MG/L	4915B	03/21/2000		199.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4915B	08/07/2000		178.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4915B	03/13/2001		180.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4915B	08/16/2001		153.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4915B	02/22/2002		156.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4915B	08/28/2002		230.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4915B	02/18/2003		200.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4915B	09/26/2003		170.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4915B	02/27/2004		160.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4915C	05/14/1991		240.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4915C	02/12/1992		176.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4915C	05/14/1992		181.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4915C	08/04/1992		173.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4915C	11/17/1992		155.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4915C	02/11/1993		165.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4915C	05/25/1993		215.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4915C	08/18/1993		219.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4915C	11/16/1993		207.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4915C	02/23/1994		234.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4915C	05/11/1994		246.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4915C	08/15/1994		271.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4915C	11/10/1994		239.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4915C	02/07/1995		255.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4915C	05/04/1995		248.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4915C	08/09/1995		190.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4915C	11/06/1995		169.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4915C	02/07/1996		185.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4915C	08/13/1996		238.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4915C	02/12/1997		214.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4915C	08/05/1997		196.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4915C	02/05/1998		181.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4915C	08/03/1998		180.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4915C	02/18/1999		194.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4915C	08/24/1999		175.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4915C	02/18/2000		139.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4915C	07/19/2000		168.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4915C	03/08/2001		139.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4915C	08/21/2001		174.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4915C	02/20/2002		145.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4915C	09/25/2003		160.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4915C	02/16/2004		190.0000
Biochemical oxygen demand	MG/L	4915A	09/11/2000	ND	2.0000
Biochemical oxygen demand	MG/L	4915A	03/08/2001	ND	2.0000
Biochemical oxygen demand	MG/L	4915A	08/21/2001	ND	2.0000
Biochemical oxygen demand	MG/L	4915A	02/21/2002	ND	2.0000
Biochemical oxygen demand	MG/L	4915A	08/06/2002	ND	2.0000
Biochemical oxygen demand	MG/L	4915A	02/10/2003	ND	2.0000
Biochemical oxygen demand	MG/L	4915A	09/25/2003	ND	2.0000
Biochemical oxygen demand	MG/L	4915A	02/16/2004	ND	2.0000
Biochemical oxygen demand	MG/L	4915B	08/07/2000	ND	2.0000
Biochemical oxygen demand	MG/L	4915B	03/13/2001	ND	2.0000
Biochemical oxygen demand	MG/L	4915B	08/16/2001	ND	2.0000
Biochemical oxygen demand	MG/L	4915B	02/22/2002	ND	2.0000
Biochemical oxygen demand	MG/L	4915B	08/28/2002	ND	2.0000
Biochemical oxygen demand	MG/L	4915B	02/18/2003	ND	2.0000
Biochemical oxygen demand	MG/L	4915B	09/26/2003	ND	2.0000
Biochemical oxygen demand	MG/L	4915B	02/27/2004	ND	2.0000
Biochemical oxygen demand	MG/L	4915C	07/19/2000	ND	2.0000
Biochemical oxygen demand	MG/L	4915C	03/08/2001	ND	2.0000
Biochemical oxygen demand	MG/L	4915C	08/21/2001	ND	2.0000
Biochemical oxygen demand	MG/L	4915C	02/20/2002	ND	2.0000
Biochemical oxygen demand	MG/L	4915C	09/25/2003	ND	2.0000
Biochemical oxygen demand	MG/L	4915C	02/16/2004	ND	2.0000
Calcium-dissolved	UG/L	4915A	09/10/1992		9540.0000
Calcium-dissolved	UG/L	4915A	08/11/1994		74400.0000

* - Outlier for that well and constituent.
ND = Not detected, result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date	Result
Calcium-dissolved	UG/L	4915A	11/11/1994	75300.0000
Calcium-dissolved	UG/L	4915A	12/07/1994	79500.0000
Calcium-dissolved	UG/L	4915A	02/03/1995	79900.0000
Calcium-dissolved	UG/L	4915A	05/04/1995	77600.0000
Calcium-dissolved	UG/L	4915A	08/08/1995	65300.0000
Calcium-dissolved	UG/L	4915A	11/03/1995	54400.0000
Calcium-dissolved	UG/L	4915A	08/13/1996	59700.0000
Calcium-dissolved	UG/L	4915A	02/12/1997	76200.0000
Calcium-dissolved	UG/L	4915A	08/05/1997	59000.0000
Calcium-dissolved	UG/L	4915A	02/04/1998	107000.0000
Calcium-dissolved	UG/L	4915A	08/04/1998	60500.0000
Calcium-dissolved	UG/L	4915A	02/18/1999	56700.0000
Calcium-dissolved	UG/L	4915A	08/24/1999	59100.0000
Calcium-dissolved	UG/L	4915A	02/18/2000	50400.0000
Calcium-dissolved	UG/L	4915A	07/26/2000	57100.0000
Calcium-dissolved	UG/L	4915A	03/08/2001	44800.0000
Calcium-dissolved	UG/L	4915A	08/21/2001	55100.0000
Calcium-dissolved	UG/L	4915A	02/21/2002	49000.0000
Calcium-dissolved	UG/L	4915A	08/06/2002	51000.0000
Calcium-dissolved	UG/L	4915A	02/10/2003	44000.0000
Calcium-dissolved	UG/L	4915A	09/25/2003	56000.0000
Calcium-dissolved	UG/L	4915A	02/16/2004	60000.0000
Calcium-dissolved	UG/L	4915B	08/16/1994	71000.0000
Calcium-dissolved	UG/L	4915B	11/07/1994	53900.0000
Calcium-dissolved	UG/L	4915B	12/07/1994	55200.0000
Calcium-dissolved	UG/L	4915B	02/01/1995	66000.0000
Calcium-dissolved	UG/L	4915B	04/19/1995	18600.0000
Calcium-dissolved	UG/L	4915B	05/08/1995	18200.0000
Calcium-dissolved	UG/L	4915B	08/10/1995	26800.0000
Calcium-dissolved	UG/L	4915B	11/07/1995	33700.0000
Calcium-dissolved	UG/L	4915B	08/19/1996	54400.0000
Calcium-dissolved	UG/L	4915B	02/13/1997	50400.0000
Calcium-dissolved	UG/L	4915B	08/06/1997	45400.0000
Calcium-dissolved	UG/L	4915B	02/09/1998	50100.0000
Calcium-dissolved	UG/L	4915B	08/06/1998	32000.0000
Calcium-dissolved	UG/L	4915B	02/22/1999	42000.0000
Calcium-dissolved	UG/L	4915B	08/25/1999	56100.0000
Calcium-dissolved	UG/L	4915B	03/21/2000	58600.0000
Calcium-dissolved	UG/L	4915B	08/07/2000	60900.0000
Calcium-dissolved	UG/L	4915B	03/13/2001	50000.0000
Calcium-dissolved	UG/L	4915B	08/16/2001	44200.0000
Calcium-dissolved	UG/L	4915B	02/22/2002	44300.0000
Calcium-dissolved	UG/L	4915B	08/28/2002	74000.0000
Calcium-dissolved	UG/L	4915B	02/18/2003	90000.0000
Calcium-dissolved	UG/L	4915B	09/26/2003	51000.0000
Calcium-dissolved	UG/L	4915B	02/27/2004	47000.0000
Calcium-dissolved	UG/L	4915C	08/15/1994	84150.0000
Calcium-dissolved	UG/L	4915C	11/10/1994	81100.0000
Calcium-dissolved	UG/L	4915C	02/07/1995	83800.0000
Calcium-dissolved	UG/L	4915C	05/04/1995	78700.0000
Calcium-dissolved	UG/L	4915C	08/09/1995	65800.0000
Calcium-dissolved	UG/L	4915C	11/06/1995	51400.0000
Calcium-dissolved	UG/L	4915C	08/13/1996	70100.0000
Calcium-dissolved	UG/L	4915C	02/12/1997	63000.0000
Calcium-dissolved	UG/L	4915C	08/05/1997	58700.0000
Calcium-dissolved	UG/L	4915C	02/05/1998	55900.0000
Calcium-dissolved	UG/L	4915C	08/03/1998	54800.0000
Calcium-dissolved	UG/L	4915C	02/18/1999	59800.0000
Calcium-dissolved	UG/L	4915C	08/24/1999	57800.0000
Calcium-dissolved	UG/L	4915C	02/18/2000	48800.0000
Calcium-dissolved	UG/L	4915C	07/19/2000	54100.0000
Calcium-dissolved	UG/L	4915C	03/08/2001	42500.0000
Calcium-dissolved	UG/L	4915C	08/21/2001	52800.0000
Calcium-dissolved	UG/L	4915C	02/20/2002	47900.0000
Calcium-dissolved	UG/L	4915C	09/25/2003	52000.0000

* - Outlier for that well and constituent.
ND = Not detected, result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	
Calcium-dissolved	UG/L	4915C	02/16/2004		61000.0000	
Chemical oxygen demand	MG/L	4915A	02/11/1991		21.7500	
Chemical oxygen demand	MG/L	4915A	05/10/1991		15.0000	
Chemical oxygen demand	MG/L	4915A	08/12/1991		10.0000	
Chemical oxygen demand	MG/L	4915A	11/06/1991		10.5000	
Chemical oxygen demand	MG/L	4915A	02/11/1992		11.0000	
Chemical oxygen demand	MG/L	4915A	05/14/1992		15.0000	
Chemical oxygen demand	MG/L	4915A	08/10/1992		10.0000	
Chemical oxygen demand	MG/L	4915A	09/10/1992		10.0000	
Chemical oxygen demand	MG/L	4915A	11/18/1992	ND	10.0000	
Chemical oxygen demand	MG/L	4915A	02/09/1993	ND	10.0000	
Chemical oxygen demand	MG/L	4915A	05/26/1993	ND	10.0000	
Chemical oxygen demand	MG/L	4915A	08/18/1993	ND	10.0000	
Chemical oxygen demand	MG/L	4915A	11/16/1993	ND	10.0000	
Chemical oxygen demand	MG/L	4915A	02/24/1994	ND	10.0000	
Chemical oxygen demand	MG/L	4915A	05/11/1994	ND	10.0000	
Chemical oxygen demand	MG/L	4915A	08/11/1994	ND	8.0000	
Chemical oxygen demand	MG/L	4915A	11/11/1994	ND	8.0000	
Chemical oxygen demand	MG/L	4915A	02/03/1995	ND	8.0000	
Chemical oxygen demand	MG/L	4915A	05/04/1995		11.0000	
Chemical oxygen demand	MG/L	4915A	08/08/1995	ND	8.0000	
Chemical oxygen demand	MG/L	4915A	11/03/1995		235.0000	*
Chemical oxygen demand	MG/L	4915A	02/06/1996		14.0000	
Chemical oxygen demand	MG/L	4915A	08/13/1996	ND	8.0000	
Chemical oxygen demand	MG/L	4915A	02/12/1997	ND	8.0000	
Chemical oxygen demand	MG/L	4915A	08/05/1997	ND	8.0000	
Chemical oxygen demand	MG/L	4915A	02/04/1998		16.0000	
Chemical oxygen demand	MG/L	4915A	08/04/1998		95.0000	
Chemical oxygen demand	MG/L	4915A	02/18/1999	ND	8.0000	
Chemical oxygen demand	MG/L	4915A	08/24/1999	ND	8.0000	
Chemical oxygen demand	MG/L	4915A	02/18/2000	ND	8.0000	
Chemical oxygen demand	MG/L	4915A	07/26/2000	ND	8.0000	
Chemical oxygen demand	MG/L	4915A	08/21/2001	ND	8.0000	
Chemical oxygen demand	MG/L	4915A	02/21/2002	ND	8.0000	
Chemical oxygen demand	MG/L	4915A	08/06/2002		11.0000	
Chemical oxygen demand	MG/L	4915A	02/10/2003	ND	8.0000	
Chemical oxygen demand	MG/L	4915A	09/25/2003	ND	8.0000	
Chemical oxygen demand	MG/L	4915A	02/16/2004	ND	8.0000	
Chemical oxygen demand	MG/L	4915B	02/11/1991		15.2500	
Chemical oxygen demand	MG/L	4915B	05/10/1991		10.0000	
Chemical oxygen demand	MG/L	4915B	08/12/1991	ND	10.0000	
Chemical oxygen demand	MG/L	4915B	11/06/1991		11.0000	
Chemical oxygen demand	MG/L	4915B	02/11/1992		11.5000	
Chemical oxygen demand	MG/L	4915B	05/13/1992		13.7500	
Chemical oxygen demand	MG/L	4915B	08/10/1992		10.5000	
Chemical oxygen demand	MG/L	4915B	11/17/1992	ND	10.0000	
Chemical oxygen demand	MG/L	4915B	02/09/1993	ND	10.0000	
Chemical oxygen demand	MG/L	4915B	05/25/1993	ND	10.0000	
Chemical oxygen demand	MG/L	4915B	08/13/1993	ND	10.0000	
Chemical oxygen demand	MG/L	4915B	11/18/1993	ND	10.0000	
Chemical oxygen demand	MG/L	4915B	02/23/1994	ND	10.0000	
Chemical oxygen demand	MG/L	4915B	05/10/1994	ND	10.0000	
Chemical oxygen demand	MG/L	4915B	08/16/1994		13.0000	
Chemical oxygen demand	MG/L	4915B	11/07/1994	ND	8.0000	
Chemical oxygen demand	MG/L	4915B	02/01/1995	ND	8.0000	
Chemical oxygen demand	MG/L	4915B	04/19/1995	ND	8.0000	
Chemical oxygen demand	MG/L	4915B	05/08/1995	ND	8.0000	
Chemical oxygen demand	MG/L	4915B	08/10/1995		20.0000	
Chemical oxygen demand	MG/L	4915B	11/07/1995		9.0000	
Chemical oxygen demand	MG/L	4915B	02/12/1996	ND	8.0000	
Chemical oxygen demand	MG/L	4915B	08/19/1996	ND	8.0000	
Chemical oxygen demand	MG/L	4915B	02/13/1997	ND	8.0000	
Chemical oxygen demand	MG/L	4915B	08/06/1997	ND	8.0000	
Chemical oxygen demand	MG/L	4915B	02/09/1998		70.0000	
Chemical oxygen demand	MG/L	4915B	08/06/1998	ND	8.0000	

* - Outlier for that well and constituent.
ND = Not detected, result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result
Chemical oxygen demand	MG/L	4915B	02/22/1999		8.4000
Chemical oxygen demand	MG/L	4915B	08/25/1999	ND	8.0000
Chemical oxygen demand	MG/L	4915B	03/21/2000	ND	8.0000
Chemical oxygen demand	MG/L	4915B	08/07/2000	ND	8.0000
Chemical oxygen demand	MG/L	4915B	03/13/2001	ND	8.0000
Chemical oxygen demand	MG/L	4915B	08/16/2001	ND	8.0000
Chemical oxygen demand	MG/L	4915B	02/22/2002	ND	8.0000
Chemical oxygen demand	MG/L	4915B	08/28/2002	ND	8.0000
Chemical oxygen demand	MG/L	4915B	02/18/2003	ND	8.0000
Chemical oxygen demand	MG/L	4915B	09/26/2003	ND	8.0000
Chemical oxygen demand	MG/L	4915B	02/27/2004	ND	8.0000
Chemical oxygen demand	MG/L	4915C	05/14/1991	ND	10.0000
Chemical oxygen demand	MG/L	4915C	11/07/1991	ND	10.0000
Chemical oxygen demand	MG/L	4915C	02/12/1992	ND	10.0000
Chemical oxygen demand	MG/L	4915C	05/14/1992	ND	10.0000
Chemical oxygen demand	MG/L	4915C	08/04/1992		11.0000
Chemical oxygen demand	MG/L	4915C	11/17/1992	ND	10.0000
Chemical oxygen demand	MG/L	4915C	02/11/1993	ND	10.0000
Chemical oxygen demand	MG/L	4915C	05/25/1993	ND	10.0000
Chemical oxygen demand	MG/L	4915C	08/18/1993	ND	10.0000
Chemical oxygen demand	MG/L	4915C	11/16/1993	ND	10.0000
Chemical oxygen demand	MG/L	4915C	02/23/1994	ND	10.0000
Chemical oxygen demand	MG/L	4915C	05/11/1994	ND	10.0000
Chemical oxygen demand	MG/L	4915C	08/15/1994	ND	8.0000
Chemical oxygen demand	MG/L	4915C	11/10/1994	ND	8.0000
Chemical oxygen demand	MG/L	4915C	02/07/1995	ND	8.0000
Chemical oxygen demand	MG/L	4915C	05/04/1995		9.0000
Chemical oxygen demand	MG/L	4915C	08/09/1995		13.0000
Chemical oxygen demand	MG/L	4915C	11/06/1995	ND	8.0000
Chemical oxygen demand	MG/L	4915C	02/07/1996	ND	8.0000
Chemical oxygen demand	MG/L	4915C	08/13/1996	ND	8.0000
Chemical oxygen demand	MG/L	4915C	02/12/1997	ND	8.0000
Chemical oxygen demand	MG/L	4915C	08/05/1997	ND	8.0000
Chemical oxygen demand	MG/L	4915C	02/05/1998	ND	8.0000
Chemical oxygen demand	MG/L	4915C	08/03/1998	ND	8.0000
Chemical oxygen demand	MG/L	4915C	02/18/1999	ND	8.0000
Chemical oxygen demand	MG/L	4915C	08/24/1999	ND	8.0000
Chemical oxygen demand	MG/L	4915C	02/18/2000	ND	8.0000
Chemical oxygen demand	MG/L	4915C	07/19/2000	ND	8.0000
Chemical oxygen demand	MG/L	4915C	03/08/2001	ND	8.0000
Chemical oxygen demand	MG/L	4915C	08/21/2001	ND	8.0000
Chemical oxygen demand	MG/L	4915C	02/20/2002	ND	8.0000
Chemical oxygen demand	MG/L	4915C	09/25/2003	ND	8.0000
Chemical oxygen demand	MG/L	4915C	02/16/2004	ND	8.0000
Chloride	MG/L	4915A	02/11/1991		50.4000
Chloride	MG/L	4915A	05/10/1991		43.6250
Chloride	MG/L	4915A	08/12/1991		44.8250
Chloride	MG/L	4915A	11/06/1991		39.9250
Chloride	MG/L	4915A	02/11/1992		27.0250
Chloride	MG/L	4915A	05/14/1992		23.5500
Chloride	MG/L	4915A	08/10/1992		20.2750
Chloride	MG/L	4915A	09/10/1992		22.4000
Chloride	MG/L	4915A	11/18/1992		19.6500
Chloride	MG/L	4915A	02/09/1993		22.1000
Chloride	MG/L	4915A	05/26/1993		16.3500
Chloride	MG/L	4915A	08/18/1993		19.6500
Chloride	MG/L	4915A	11/16/1993		17.4750
Chloride	MG/L	4915A	02/24/1994		16.8250
Chloride	MG/L	4915A	05/11/1994		16.1750
Chloride	MG/L	4915A	08/11/1994		16.0000
Chloride	MG/L	4915A	11/11/1994		19.3000
Chloride	MG/L	4915A	12/07/1994		22.0000
Chloride	MG/L	4915A	02/03/1995		25.6000
Chloride	MG/L	4915A	05/04/1995		16.8000
Chloride	MG/L	4915A	08/08/1995		17.4000

* - Outlier for that well and constituent.
ND = Not detected, result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date	Result
Chloride	MG/L	4915A	11/03/1995	17.5000
Chloride	MG/L	4915A	02/06/1996	18.6000
Chloride	MG/L	4915A	08/13/1996	18.7000
Chloride	MG/L	4915A	02/12/1997	34.9000
Chloride	MG/L	4915A	08/05/1997	19.2000
Chloride	MG/L	4915A	02/04/1998	40.6000
Chloride	MG/L	4915A	08/04/1998	14.8000
Chloride	MG/L	4915A	02/18/1999	16.8000
Chloride	MG/L	4915A	08/24/1999	19.1000
Chloride	MG/L	4915A	02/18/2000	17.6000
Chloride	MG/L	4915A	07/26/2000	18.0000
Chloride	MG/L	4915A	03/08/2001	14.9000
Chloride	MG/L	4915A	08/21/2001	18.1000
Chloride	MG/L	4915A	02/21/2002	22.6000
Chloride	MG/L	4915A	08/06/2002	42.0000
Chloride	MG/L	4915A	02/10/2003	34.0000
Chloride	MG/L	4915A	09/25/2003	24.0000
Chloride	MG/L	4915A	02/16/2004	27.0000
Chloride	MG/L	4915B	02/11/1991	77.2000
Chloride	MG/L	4915B	05/10/1991	106.0000
Chloride	MG/L	4915B	08/12/1991	16.8250
Chloride	MG/L	4915B	11/06/1991	15.7500
Chloride	MG/L	4915B	02/11/1992	39.9500
Chloride	MG/L	4915B	05/13/1992	80.7000
Chloride	MG/L	4915B	08/10/1992	43.8000
Chloride	MG/L	4915B	11/17/1992	11.1750
Chloride	MG/L	4915B	02/09/1993	78.3500
Chloride	MG/L	4915B	05/25/1993	22.6250
Chloride	MG/L	4915B	08/13/1993	14.9750
Chloride	MG/L	4915B	11/18/1993	18.4500
Chloride	MG/L	4915B	02/23/1994	35.8000
Chloride	MG/L	4915B	05/10/1994	51.6750
Chloride	MG/L	4915B	08/16/1994	41.5000
Chloride	MG/L	4915B	11/07/1994	12.9000
Chloride	MG/L	4915B	12/07/1994	12.5000
Chloride	MG/L	4915B	02/01/1995	14.3000
Chloride	MG/L	4915B	04/19/1995	10.7000
Chloride	MG/L	4915B	05/08/1995	10.3000
Chloride	MG/L	4915B	08/10/1995	9.2000
Chloride	MG/L	4915B	11/07/1995	17.1000
Chloride	MG/L	4915B	02/12/1996	9.2000
Chloride	MG/L	4915B	08/19/1996	12.4000
Chloride	MG/L	4915B	02/13/1997	12.5000
Chloride	MG/L	4915B	08/06/1997	11.8000
Chloride	MG/L	4915B	02/09/1998	14.6000
Chloride	MG/L	4915B	08/06/1998	7.6000
Chloride	MG/L	4915B	02/22/1999	7.5000
Chloride	MG/L	4915B	08/25/1999	11.7000
Chloride	MG/L	4915B	03/21/2000	14.7000
Chloride	MG/L	4915B	08/07/2000	12.2000
Chloride	MG/L	4915B	03/13/2001	14.8000
Chloride	MG/L	4915B	08/16/2001	16.2000
Chloride	MG/L	4915B	02/22/2002	12.1000
Chloride	MG/L	4915B	08/28/2002	26.0000
Chloride	MG/L	4915B	02/18/2003	70.0000
Chloride	MG/L	4915B	09/26/2003	16.0000
Chloride	MG/L	4915B	02/27/2004	13.0000
Chloride	MG/L	4915C	05/14/1991	17.7250
Chloride	MG/L	4915C	11/07/1991	23.7000
Chloride	MG/L	4915C	02/12/1992	22.7500
Chloride	MG/L	4915C	05/14/1992	20.1000
Chloride	MG/L	4915C	08/04/1992	19.5500
Chloride	MG/L	4915C	11/17/1992	16.8750
Chloride	MG/L	4915C	02/11/1993	18.0000
Chloride	MG/L	4915C	05/25/1993	15.9500

* - Outlier for that well and constituent.
ND = Not detected, result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result
Chloride	MG/L	4915C	08/18/1993		16.0000
Chloride	MG/L	4915C	11/16/1993		17.2750
Chloride	MG/L	4915C	02/23/1994		16.5500
Chloride	MG/L	4915C	05/11/1994		15.7250
Chloride	MG/L	4915C	08/15/1994		15.5000
Chloride	MG/L	4915C	11/10/1994		16.0000
Chloride	MG/L	4915C	02/07/1995		16.2000
Chloride	MG/L	4915C	05/04/1995		16.4000
Chloride	MG/L	4915C	08/09/1995		15.6000
Chloride	MG/L	4915C	11/06/1995		18.6000
Chloride	MG/L	4915C	02/07/1996		18.0000
Chloride	MG/L	4915C	08/13/1996		16.9000
Chloride	MG/L	4915C	02/12/1997		19.0000
Chloride	MG/L	4915C	08/05/1997		18.0000
Chloride	MG/L	4915C	02/05/1998		21.4000
Chloride	MG/L	4915C	08/03/1998		12.8000
Chloride	MG/L	4915C	02/18/1999		16.5000
Chloride	MG/L	4915C	08/24/1999		18.6000
Chloride	MG/L	4915C	02/18/2000		17.5000
Chloride	MG/L	4915C	07/19/2000		16.6000
Chloride	MG/L	4915C	03/08/2001		14.1000
Chloride	MG/L	4915C	08/21/2001		19.0000
Chloride	MG/L	4915C	02/20/2002		26.7000
Chloride	MG/L	4915C	09/25/2003		24.0000
Chloride	MG/L	4915C	02/16/2004		30.0000
Fluoride	MG/L	4915A	02/11/1991		0.4900
Fluoride	MG/L	4915A	05/10/1991		0.4600
Fluoride	MG/L	4915A	08/12/1991		0.4300
Fluoride	MG/L	4915A	11/06/1991		0.4300
Fluoride	MG/L	4915A	02/11/1992		0.4200
Fluoride	MG/L	4915A	05/14/1992		0.1400
Fluoride	MG/L	4915A	08/10/1992		0.1900
Fluoride	MG/L	4915A	11/18/1992		0.1900
Fluoride	MG/L	4915A	02/09/1993		0.2100
Fluoride	MG/L	4915A	05/26/1993	ND	1.0000
Fluoride	MG/L	4915A	08/18/1993	ND	1.0000
Fluoride	MG/L	4915A	11/16/1993	ND	1.0000
Fluoride	MG/L	4915A	02/24/1994	ND	1.0000
Fluoride	MG/L	4915A	05/11/1994	ND	1.0000
Fluoride	MG/L	4915A	08/11/1994		0.2900
Fluoride	MG/L	4915A	11/11/1994		0.6400
Fluoride	MG/L	4915A	12/07/1994		0.5600
Fluoride	MG/L	4915A	02/03/1995		0.5400
Fluoride	MG/L	4915A	05/04/1995		0.5200
Fluoride	MG/L	4915A	08/08/1995		0.5500
Fluoride	MG/L	4915A	11/03/1995		0.5000
Fluoride	MG/L	4915A	02/06/1996		0.5100
Fluoride	MG/L	4915A	08/13/1996		0.6000
Fluoride	MG/L	4915A	02/12/1997		0.4900
Fluoride	MG/L	4915A	08/05/1997		0.6100
Fluoride	MG/L	4915A	02/04/1998		0.5100
Fluoride	MG/L	4915A	08/04/1998		0.6400
Fluoride	MG/L	4915A	02/18/1999	ND	1.0000
Fluoride	MG/L	4915A	08/24/1999	ND	1.0000
Fluoride	MG/L	4915A	02/18/2000	ND	1.0000
Fluoride	MG/L	4915A	07/26/2000	ND	1.0000
Fluoride	MG/L	4915A	03/08/2001	ND	1.0000
Fluoride	MG/L	4915A	08/21/2001	ND	1.0000
Fluoride	MG/L	4915A	02/21/2002	ND	1.0000
Fluoride	MG/L	4915A	08/06/2002	ND	1.0000
Fluoride	MG/L	4915A	02/10/2003	ND	1.0000
Fluoride	MG/L	4915A	09/25/2003	ND	1.0000
Fluoride	MG/L	4915A	02/16/2004	ND	1.0000
Fluoride	MG/L	4915B	02/11/1991		0.4200
Fluoride	MG/L	4915B	05/10/1991		0.4500

* - Outlier for that well and constituent.
ND = Not detected, result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result
Fluoride	MG/L	4915B	08/12/1991		0.5200
Fluoride	MG/L	4915B	11/06/1991		0.5500
Fluoride	MG/L	4915B	02/11/1992		0.5200
Fluoride	MG/L	4915B	05/13/1992		0.4200
Fluoride	MG/L	4915B	08/10/1992		0.4600
Fluoride	MG/L	4915B	11/17/1992		0.5100
Fluoride	MG/L	4915B	02/09/1993		0.3800
Fluoride	MG/L	4915B	05/25/1993	ND	1.0000
Fluoride	MG/L	4915B	08/13/1993	ND	1.0000
Fluoride	MG/L	4915B	11/18/1993	ND	1.0000
Fluoride	MG/L	4915B	02/23/1994	ND	1.0000
Fluoride	MG/L	4915B	05/10/1994	ND	1.0000
Fluoride	MG/L	4915B	08/16/1994		0.4900
Fluoride	MG/L	4915B	11/07/1994		0.6800
Fluoride	MG/L	4915B	12/07/1994		0.6000
Fluoride	MG/L	4915B	02/01/1995		0.6700
Fluoride	MG/L	4915B	04/19/1995		0.8500
Fluoride	MG/L	4915B	05/08/1995		0.8200
Fluoride	MG/L	4915B	08/10/1995		0.7100
Fluoride	MG/L	4915B	11/07/1995		0.6000
Fluoride	MG/L	4915B	02/12/1996		0.6400
Fluoride	MG/L	4915B	08/19/1996		0.5700
Fluoride	MG/L	4915B	02/13/1997		0.5800
Fluoride	MG/L	4915B	08/06/1997		0.5600
Fluoride	MG/L	4915B	02/09/1998		0.5100
Fluoride	MG/L	4915B	08/06/1998		0.7000
Fluoride	MG/L	4915B	02/22/1999	ND	1.0000
Fluoride	MG/L	4915B	08/25/1999	ND	1.0000
Fluoride	MG/L	4915B	03/21/2000	ND	1.0000
Fluoride	MG/L	4915B	08/07/2000	ND	1.0000
Fluoride	MG/L	4915B	03/13/2001	ND	1.0000
Fluoride	MG/L	4915B	08/16/2001	ND	1.0000
Fluoride	MG/L	4915B	02/22/2002	ND	1.0000
Fluoride	MG/L	4915B	08/28/2002	ND	1.0000
Fluoride	MG/L	4915B	02/18/2003	ND	1.0000
Fluoride	MG/L	4915B	09/26/2003	ND	1.0000
Fluoride	MG/L	4915B	02/27/2004	ND	1.0000
Fluoride	MG/L	4915C	05/14/1991		0.4100
Fluoride	MG/L	4915C	11/07/1991		0.4000
Fluoride	MG/L	4915C	02/12/1992		0.4400
Fluoride	MG/L	4915C	05/14/1992		0.4900
Fluoride	MG/L	4915C	08/04/1992		0.4600
Fluoride	MG/L	4915C	11/17/1992		0.4400
Fluoride	MG/L	4915C	02/11/1993		0.4930
Fluoride	MG/L	4915C	05/25/1993	ND	1.0000
Fluoride	MG/L	4915C	08/18/1993	ND	1.0000
Fluoride	MG/L	4915C	11/16/1993	ND	1.0000
Fluoride	MG/L	4915C	02/23/1994	ND	1.0000
Fluoride	MG/L	4915C	05/11/1994	ND	1.0000
Fluoride	MG/L	4915C	08/15/1994		0.5500
Fluoride	MG/L	4915C	11/10/1994		0.6000
Fluoride	MG/L	4915C	02/07/1995		0.5400
Fluoride	MG/L	4915C	05/04/1995		0.5900
Fluoride	MG/L	4915C	08/09/1995		0.6000
Fluoride	MG/L	4915C	11/06/1995		0.6300
Fluoride	MG/L	4915C	02/07/1996		0.6600
Fluoride	MG/L	4915C	08/13/1996		0.6600
Fluoride	MG/L	4915C	02/12/1997		0.6300
Fluoride	MG/L	4915C	08/05/1997		0.7000
Fluoride	MG/L	4915C	02/05/1998		0.6600
Fluoride	MG/L	4915C	08/03/1998		0.7300
Fluoride	MG/L	4915C	02/18/1999	ND	1.0000
Fluoride	MG/L	4915C	08/24/1999	ND	1.0000
Fluoride	MG/L	4915C	02/18/2000	ND	1.0000
Fluoride	MG/L	4915C	07/19/2000	ND	1.0000

* - Outlier for that well and constituent.
ND = Not detected, result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	
Fluoride	MG/L	4915C	03/08/2001	ND	1.0000	
Fluoride	MG/L	4915C	08/21/2001	ND	1.0000	
Fluoride	MG/L	4915C	02/20/2002	ND	1.0000	
Fluoride	MG/L	4915C	09/25/2003	ND	1.0000	
Fluoride	MG/L	4915C	02/16/2004	ND	1.0000	
Iron-dissolved	UG/L	4915A	09/10/1992	ND	100.0000	
Iron-dissolved	UG/L	4915A	08/11/1994		4480.0000	
Iron-dissolved	UG/L	4915A	11/11/1994	ND	100.0000	
Iron-dissolved	UG/L	4915A	12/07/1994	ND	100.0000	
Iron-dissolved	UG/L	4915A	02/03/1995		484.0000	
Iron-dissolved	UG/L	4915A	05/04/1995	ND	100.0000	
Iron-dissolved	UG/L	4915A	08/08/1995		9270.0000	*
Iron-dissolved	UG/L	4915A	11/03/1995		11000.0000	*
Iron-dissolved	UG/L	4915A	03/08/2001	ND	100.0000	
Iron-dissolved	UG/L	4915A	08/21/2001	ND	100.0000	
Iron-dissolved	UG/L	4915A	02/21/2002	ND	100.0000	
Iron-dissolved	UG/L	4915A	08/06/2002	ND	100.0000	
Iron-dissolved	UG/L	4915A	02/10/2003	ND	100.0000	
Iron-dissolved	UG/L	4915A	09/25/2003		130.0000	
Iron-dissolved	UG/L	4915A	02/16/2004		120.0000	
Iron-dissolved	UG/L	4915B	08/16/1994		5401.5000	*
Iron-dissolved	UG/L	4915B	11/07/1994		935.0000	
Iron-dissolved	UG/L	4915B	12/07/1994	ND	100.0000	
Iron-dissolved	UG/L	4915B	02/01/1995		118.0000	
Iron-dissolved	UG/L	4915B	04/19/1995	ND	100.0000	
Iron-dissolved	UG/L	4915B	05/08/1995	ND	100.0000	
Iron-dissolved	UG/L	4915B	08/10/1995		443.0000	
Iron-dissolved	UG/L	4915B	11/07/1995		171.0000	
Iron-dissolved	UG/L	4915B	03/13/2001	ND	100.0000	
Iron-dissolved	UG/L	4915B	08/16/2001	ND	100.0000	
Iron-dissolved	UG/L	4915B	02/22/2002	ND	100.0000	
Iron-dissolved	UG/L	4915B	08/28/2002	ND	100.0000	
Iron-dissolved	UG/L	4915B	02/18/2003	ND	100.0000	
Iron-dissolved	UG/L	4915B	09/26/2003	ND	100.0000	
Iron-dissolved	UG/L	4915B	02/27/2004	ND	100.0000	
Iron-dissolved	UG/L	4915C	08/15/1994	ND	100.0000	
Iron-dissolved	UG/L	4915C	11/10/1994	ND	100.0000	
Iron-dissolved	UG/L	4915C	02/07/1995	ND	100.0000	
Iron-dissolved	UG/L	4915C	05/04/1995	ND	100.0000	
Iron-dissolved	UG/L	4915C	08/09/1995	ND	100.0000	
Iron-dissolved	UG/L	4915C	11/06/1995	ND	100.0000	
Iron-dissolved	UG/L	4915C	03/08/2001		165.0000	
Iron-dissolved	UG/L	4915C	08/21/2001	ND	100.0000	
Iron-dissolved	UG/L	4915C	02/20/2002	ND	100.0000	
Iron-dissolved	UG/L	4915C	09/25/2003	ND	100.0000	
Iron-dissolved	UG/L	4915C	02/16/2004	ND	100.0000	
Magnesium-dissolved	UG/L	4915A	09/10/1992		8220.0000	
Magnesium-dissolved	UG/L	4915A	08/11/1994		20250.0000	
Magnesium-dissolved	UG/L	4915A	11/11/1994		19700.0000	
Magnesium-dissolved	UG/L	4915A	12/07/1994		21300.0000	
Magnesium-dissolved	UG/L	4915A	02/03/1995		21400.0000	
Magnesium-dissolved	UG/L	4915A	05/04/1995		21500.0000	
Magnesium-dissolved	UG/L	4915A	08/08/1995		18000.0000	
Magnesium-dissolved	UG/L	4915A	11/03/1995		14800.0000	
Magnesium-dissolved	UG/L	4915A	08/13/1996		17000.0000	
Magnesium-dissolved	UG/L	4915A	02/12/1997		26400.0000	
Magnesium-dissolved	UG/L	4915A	08/05/1997		17300.0000	
Magnesium-dissolved	UG/L	4915A	02/04/1998		28900.0000	
Magnesium-dissolved	UG/L	4915A	08/04/1998		18700.0000	
Magnesium-dissolved	UG/L	4915A	02/18/1999		17200.0000	
Magnesium-dissolved	UG/L	4915A	08/24/1999		17100.0000	
Magnesium-dissolved	UG/L	4915A	02/18/2000		14400.0000	
Magnesium-dissolved	UG/L	4915A	07/26/2000		16500.0000	
Magnesium-dissolved	UG/L	4915A	03/08/2001		12900.0000	
Magnesium-dissolved	UG/L	4915A	08/21/2001		15300.0000	

* - Outlier for that well and constituent.
ND = Not detected, result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result	
Magnesium-dissolved	UG/L	4915A	02/21/2002		13700.0000	
Magnesium-dissolved	UG/L	4915A	08/06/2002		15000.0000	
Magnesium-dissolved	UG/L	4915A	02/10/2003		12000.0000	
Magnesium-dissolved	UG/L	4915A	09/25/2003		15000.0000	
Magnesium-dissolved	UG/L	4915A	02/16/2004		17000.0000	
Magnesium-dissolved	UG/L	4915B	08/16/1994		17650.0000	
Magnesium-dissolved	UG/L	4915B	11/07/1994		14300.0000	
Magnesium-dissolved	UG/L	4915B	12/07/1994		14400.0000	
Magnesium-dissolved	UG/L	4915B	02/01/1995		17900.0000	
Magnesium-dissolved	UG/L	4915B	04/19/1995	ND	5000.0000	
Magnesium-dissolved	UG/L	4915B	05/08/1995	ND	5000.0000	
Magnesium-dissolved	UG/L	4915B	08/10/1995		6660.0000	
Magnesium-dissolved	UG/L	4915B	11/07/1995		9160.0000	
Magnesium-dissolved	UG/L	4915B	08/19/1996		13300.0000	
Magnesium-dissolved	UG/L	4915B	02/13/1997		13600.0000	
Magnesium-dissolved	UG/L	4915B	08/06/1997		12400.0000	
Magnesium-dissolved	UG/L	4915B	02/09/1998		13600.0000	
Magnesium-dissolved	UG/L	4915B	08/06/1998		6970.0000	
Magnesium-dissolved	UG/L	4915B	02/22/1999		11400.0000	
Magnesium-dissolved	UG/L	4915B	08/25/1999		14700.0000	
Magnesium-dissolved	UG/L	4915B	03/21/2000		16100.0000	
Magnesium-dissolved	UG/L	4915B	08/07/2000		16000.0000	
Magnesium-dissolved	UG/L	4915B	03/13/2001		14000.0000	
Magnesium-dissolved	UG/L	4915B	08/16/2001		11500.0000	
Magnesium-dissolved	UG/L	4915B	02/22/2002		12000.0000	
Magnesium-dissolved	UG/L	4915B	08/28/2002		20000.0000	
Magnesium-dissolved	UG/L	4915B	02/18/2003		25000.0000	
Magnesium-dissolved	UG/L	4915B	09/26/2003		13000.0000	
Magnesium-dissolved	UG/L	4915B	02/27/2004		12000.0000	
Magnesium-dissolved	UG/L	4915C	08/15/1994		21750.0000	
Magnesium-dissolved	UG/L	4915C	11/10/1994		20800.0000	
Magnesium-dissolved	UG/L	4915C	02/07/1995		22400.0000	
Magnesium-dissolved	UG/L	4915C	05/04/1995		21100.0000	
Magnesium-dissolved	UG/L	4915C	08/09/1995		17500.0000	
Magnesium-dissolved	UG/L	4915C	11/06/1995		14700.0000	
Magnesium-dissolved	UG/L	4915C	08/13/1996		17900.0000	
Magnesium-dissolved	UG/L	4915C	02/12/1997		19500.0000	
Magnesium-dissolved	UG/L	4915C	08/05/1997		16300.0000	
Magnesium-dissolved	UG/L	4915C	02/05/1998		13900.0000	
Magnesium-dissolved	UG/L	4915C	08/03/1998		16300.0000	
Magnesium-dissolved	UG/L	4915C	02/18/1999		16700.0000	
Magnesium-dissolved	UG/L	4915C	08/24/1999		16100.0000	
Magnesium-dissolved	UG/L	4915C	02/18/2000		13700.0000	
Magnesium-dissolved	UG/L	4915C	07/19/2000		14600.0000	
Magnesium-dissolved	UG/L	4915C	03/08/2001		11800.0000	
Magnesium-dissolved	UG/L	4915C	08/21/2001		14000.0000	
Magnesium-dissolved	UG/L	4915C	02/20/2002		12700.0000	
Magnesium-dissolved	UG/L	4915C	09/25/2003		14000.0000	
Magnesium-dissolved	UG/L	4915C	02/16/2004		17000.0000	
Nitrogen, nitrate	MG/L	4915A	09/10/1992	ND	0.0500	
Nitrogen, nitrate	MG/L	4915A	02/09/1993	ND	0.0500	
Nitrogen, nitrate	MG/L	4915A	11/16/1993		0.6800	
Nitrogen, nitrate	MG/L	4915A	12/07/1994		0.4500	
Nitrogen, nitrate	MG/L	4915A	02/03/1995		1.2900	
Nitrogen, nitrate	MG/L	4915A	05/04/1995		0.9600	
Nitrogen, nitrate	MG/L	4915A	08/08/1995		1.6000	
Nitrogen, nitrate	MG/L	4915A	11/03/1995		0.7200	
Nitrogen, nitrate	MG/L	4915A	02/06/1996	ND	0.0500	
Nitrogen, nitrate	MG/L	4915A	08/13/1996		0.2600	
Nitrogen, nitrate	MG/L	4915A	02/12/1997		5.6100	
Nitrogen, nitrate	MG/L	4915A	08/05/1997		0.5500	
Nitrogen, nitrate	MG/L	4915A	02/04/1998		11.5000	*
Nitrogen, nitrate	MG/L	4915A	08/04/1998		1.6900	
Nitrogen, nitrate	MG/L	4915A	08/06/2002	ND	0.5000	
Nitrogen, nitrate	MG/L	4915A	02/10/2003	ND	0.5000	

* - Outlier for that well and constituent.
ND = Not detected, result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result
Nitrogen, nitrate	MG/L	4915A	09/25/2003		1.0000
Nitrogen, nitrate	MG/L	4915A	02/16/2004		0.5300
Nitrogen, nitrate	MG/L	4915B	02/09/1993		2.4700
Nitrogen, nitrate	MG/L	4915B	11/18/1993		0.0660
Nitrogen, nitrate	MG/L	4915B	12/07/1994		0.8900
Nitrogen, nitrate	MG/L	4915B	02/01/1995		1.4400
Nitrogen, nitrate	MG/L	4915B	04/19/1995		1.3000
Nitrogen, nitrate	MG/L	4915B	05/08/1995		0.4300
Nitrogen, nitrate	MG/L	4915B	08/10/1995		1.2600
Nitrogen, nitrate	MG/L	4915B	11/07/1995		1.1600
Nitrogen, nitrate	MG/L	4915B	02/12/1996		0.4900
Nitrogen, nitrate	MG/L	4915B	08/19/1996		1.1100
Nitrogen, nitrate	MG/L	4915B	02/13/1997		1.0400
Nitrogen, nitrate	MG/L	4915B	08/06/1997		0.8500
Nitrogen, nitrate	MG/L	4915B	02/09/1998		0.2600
Nitrogen, nitrate	MG/L	4915B	08/06/1998		0.9000
Nitrogen, nitrate	MG/L	4915B	08/28/2002		0.8700
Nitrogen, nitrate	MG/L	4915B	02/18/2003		2.5000
Nitrogen, nitrate	MG/L	4915B	09/26/2003		1.1000
Nitrogen, nitrate	MG/L	4915B	02/27/2004		0.5000
Nitrogen, nitrate	MG/L	4915C	02/11/1993		0.8200
Nitrogen, nitrate	MG/L	4915C	11/16/1993		0.9700
Nitrogen, nitrate	MG/L	4915C	02/07/1995		0.1500
Nitrogen, nitrate	MG/L	4915C	05/04/1995		1.1300
Nitrogen, nitrate	MG/L	4915C	08/09/1995		1.6800
Nitrogen, nitrate	MG/L	4915C	11/06/1995		0.4200
Nitrogen, nitrate	MG/L	4915C	02/07/1996		0.3400
Nitrogen, nitrate	MG/L	4915C	08/13/1996		0.2400
Nitrogen, nitrate	MG/L	4915C	02/12/1997		0.1300
Nitrogen, nitrate	MG/L	4915C	08/05/1997		0.3400
Nitrogen, nitrate	MG/L	4915C	02/05/1998		0.1600
Nitrogen, nitrate	MG/L	4915C	08/03/1998		1.5700
Nitrogen, nitrate	MG/L	4915C	09/25/2003	ND	0.5000
Nitrogen, nitrate	MG/L	4915C	02/16/2004		0.8300
Sodium-dissolved	MG/L	4915A	09/10/1992		26.9000
Sodium-dissolved	MG/L	4915A	12/07/1994		32.0000
Sodium-dissolved	MG/L	4915A	02/03/1995		30.7000
Sodium-dissolved	MG/L	4915A	05/04/1995		33.9000
Sodium-dissolved	MG/L	4915A	08/08/1995		30.7000
Sodium-dissolved	MG/L	4915A	11/03/1995		29.2000
Sodium-dissolved	MG/L	4915A	02/06/1996		29.9000
Sodium-dissolved	MG/L	4915A	08/13/1996		30.2000
Sodium-dissolved	MG/L	4915A	02/12/1997		30.2000
Sodium-dissolved	MG/L	4915A	08/05/1997		28.6000
Sodium-dissolved	MG/L	4915A	02/04/1998		37.5000
Sodium-dissolved	MG/L	4915A	08/04/1998		26.9000
Sodium-dissolved	MG/L	4915A	02/18/1999		30.8000
Sodium-dissolved	MG/L	4915A	08/24/1999		27.0000
Sodium-dissolved	MG/L	4915A	02/18/2000		24.0000
Sodium-dissolved	MG/L	4915A	07/26/2000		26.8000
Sodium-dissolved	MG/L	4915A	03/08/2001		24.9000
Sodium-dissolved	MG/L	4915A	08/21/2001		28.1000
Sodium-dissolved	MG/L	4915A	02/21/2002		27.5000
Sodium-dissolved	MG/L	4915A	08/06/2002		32.0000
Sodium-dissolved	MG/L	4915A	02/10/2003		27.0000
Sodium-dissolved	MG/L	4915A	09/25/2003		28.0000
Sodium-dissolved	MG/L	4915A	02/16/2004		30.0000
Sodium-dissolved	MG/L	4915B	12/07/1994		29.4000
Sodium-dissolved	MG/L	4915B	02/01/1995		34.7000
Sodium-dissolved	MG/L	4915B	04/19/1995		61.5000
Sodium-dissolved	MG/L	4915B	05/08/1995		61.9000
Sodium-dissolved	MG/L	4915B	08/10/1995		43.7000
Sodium-dissolved	MG/L	4915B	11/07/1995		44.6000
Sodium-dissolved	MG/L	4915B	02/12/1996		28.7000
Sodium-dissolved	MG/L	4915B	08/19/1996		24.5000

* - Outlier for that well and constituent.
ND = Not detected, result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date	Result
Sodium-dissolved	MG/L	4915B	02/13/1997	26.8000
Sodium-dissolved	MG/L	4915B	08/06/1997	22.6000
Sodium-dissolved	MG/L	4915B	02/09/1998	23.4000
Sodium-dissolved	MG/L	4915B	08/06/1998	33.1000
Sodium-dissolved	MG/L	4915B	02/22/1999	27.7000
Sodium-dissolved	MG/L	4915B	08/25/1999	23.8000
Sodium-dissolved	MG/L	4915B	03/21/2000	26.8000
Sodium-dissolved	MG/L	4915B	08/07/2000	27.9000
Sodium-dissolved	MG/L	4915B	03/13/2001	24.7000
Sodium-dissolved	MG/L	4915B	08/16/2001	28.4000
Sodium-dissolved	MG/L	4915B	02/22/2002	23.4000
Sodium-dissolved	MG/L	4915B	08/28/2002	31.0000
Sodium-dissolved	MG/L	4915B	02/18/2003	34.0000
Sodium-dissolved	MG/L	4915B	09/26/2003	24.0000
Sodium-dissolved	MG/L	4915B	02/27/2004	24.0000
Sodium-dissolved	MG/L	4915C	02/07/1995	32.7000
Sodium-dissolved	MG/L	4915C	05/04/1995	33.2000
Sodium-dissolved	MG/L	4915C	08/09/1995	29.7000
Sodium-dissolved	MG/L	4915C	11/06/1995	28.3000
Sodium-dissolved	MG/L	4915C	02/07/1996	24.3000
Sodium-dissolved	MG/L	4915C	08/13/1996	31.9000
Sodium-dissolved	MG/L	4915C	02/12/1997	27.2000
Sodium-dissolved	MG/L	4915C	08/05/1997	28.0000
Sodium-dissolved	MG/L	4915C	02/05/1998	29.0000
Sodium-dissolved	MG/L	4915C	08/03/1998	24.3000
Sodium-dissolved	MG/L	4915C	02/18/1999	30.6000
Sodium-dissolved	MG/L	4915C	08/24/1999	25.6000
Sodium-dissolved	MG/L	4915C	02/18/2000	25.7000
Sodium-dissolved	MG/L	4915C	07/19/2000	27.6000
Sodium-dissolved	MG/L	4915C	03/08/2001	25.2000
Sodium-dissolved	MG/L	4915C	08/21/2001	28.9000
Sodium-dissolved	MG/L	4915C	02/20/2002	28.2000
Sodium-dissolved	MG/L	4915C	09/25/2003	28.0000
Sodium-dissolved	MG/L	4915C	02/16/2004	32.0000
Specific conductance	UMHOS/CM	4915A	02/11/1991	408.0000
Specific conductance	UMHOS/CM	4915A	02/11/1992	563.0000
Specific conductance	UMHOS/CM	4915A	05/14/1992	187.0000
Specific conductance	UMHOS/CM	4915A	08/10/1992	306.0000
Specific conductance	UMHOS/CM	4915A	09/10/1992	253.0000
Specific conductance	UMHOS/CM	4915A	02/09/1993	263.0000
Specific conductance	UMHOS/CM	4915A	05/26/1993	540.0000
Specific conductance	UMHOS/CM	4915A	08/18/1993	369.0000
Specific conductance	UMHOS/CM	4915A	02/24/1994	565.0000
Specific conductance	UMHOS/CM	4915A	05/11/1994	635.0000
Specific conductance	UMHOS/CM	4915A	08/11/1994	634.0000
Specific conductance	UMHOS/CM	4915A	11/11/1994	647.0000
Specific conductance	UMHOS/CM	4915A	02/03/1995	636.0000
Specific conductance	UMHOS/CM	4915A	05/04/1995	655.0000
Specific conductance	UMHOS/CM	4915A	08/08/1995	572.0000
Specific conductance	UMHOS/CM	4915A	11/03/1995	530.0000
Specific conductance	UMHOS/CM	4915A	03/08/2001	400.0000
Specific conductance	UMHOS/CM	4915A	08/06/2002	460.0000
Specific conductance	UMHOS/CM	4915A	02/10/2003	380.0000
Specific conductance	UMHOS/CM	4915A	09/25/2003	500.0000
Specific conductance	UMHOS/CM	4915A	02/16/2004	500.0000
Specific conductance	UMHOS/CM	4915B	02/11/1991	846.0000
Specific conductance	UMHOS/CM	4915B	02/11/1992	579.0000
Specific conductance	UMHOS/CM	4915B	05/13/1992	786.0000
Specific conductance	UMHOS/CM	4915B	08/10/1992	579.0000
Specific conductance	UMHOS/CM	4915B	02/09/1993	820.0000
Specific conductance	UMHOS/CM	4915B	05/25/1993	462.0000
Specific conductance	UMHOS/CM	4915B	08/13/1993	404.0000
Specific conductance	UMHOS/CM	4915B	02/23/1994	582.0000
Specific conductance	UMHOS/CM	4915B	05/10/1994	756.0000
Specific conductance	UMHOS/CM	4915B	08/16/1994	663.0000

* - Outlier for that well and constituent.
ND = Not detected, result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date	Result
Specific conductance	UMHOS/CM	4915B	11/07/1994	470.0000
Specific conductance	UMHOS/CM	4915B	02/01/1995	590.0000
Specific conductance	UMHOS/CM	4915B	05/08/1995	399.0000
Specific conductance	UMHOS/CM	4915B	08/10/1995	400.0000
Specific conductance	UMHOS/CM	4915B	11/07/1995	454.0000
Specific conductance	UMHOS/CM	4915B	03/13/2001	468.0000
Specific conductance	UMHOS/CM	4915B	08/28/2002	580.0000
Specific conductance	UMHOS/CM	4915B	02/18/2003	690.0000
Specific conductance	UMHOS/CM	4915B	09/26/2003	420.0000
Specific conductance	UMHOS/CM	4915B	02/27/2004	440.0000
Specific conductance	UMHOS/CM	4915C	02/12/1992	511.0000
Specific conductance	UMHOS/CM	4915C	05/14/1992	514.0000
Specific conductance	UMHOS/CM	4915C	08/04/1992	536.0000
Specific conductance	UMHOS/CM	4915C	02/11/1993	529.0000
Specific conductance	UMHOS/CM	4915C	05/25/1993	567.0000
Specific conductance	UMHOS/CM	4915C	08/18/1993	523.0000
Specific conductance	UMHOS/CM	4915C	02/23/1994	605.0000
Specific conductance	UMHOS/CM	4915C	05/11/1994	636.0000
Specific conductance	UMHOS/CM	4915C	08/15/1994	680.0000
Specific conductance	UMHOS/CM	4915C	11/10/1994	660.0000
Specific conductance	UMHOS/CM	4915C	02/07/1995	635.0000
Specific conductance	UMHOS/CM	4915C	05/04/1995	665.0000
Specific conductance	UMHOS/CM	4915C	08/09/1995	532.0000
Specific conductance	UMHOS/CM	4915C	11/06/1995	515.0000
Specific conductance	UMHOS/CM	4915C	03/08/2001	410.0000
Specific conductance	UMHOS/CM	4915C	09/25/2003	420.0000
Specific conductance	UMHOS/CM	4915C	02/16/2004	560.0000
Sulfate	MG/L	4915A	02/11/1991	41.3000
Sulfate	MG/L	4915A	05/10/1991	53.4250
Sulfate	MG/L	4915A	08/12/1991	74.6500
Sulfate	MG/L	4915A	11/06/1991	63.9500
Sulfate	MG/L	4915A	02/11/1992	65.6500
Sulfate	MG/L	4915A	05/14/1992	29.2250
Sulfate	MG/L	4915A	08/10/1992	34.2750
Sulfate	MG/L	4915A	09/10/1992	43.6000
Sulfate	MG/L	4915A	11/18/1992	40.8000
Sulfate	MG/L	4915A	02/09/1993	36.0000
Sulfate	MG/L	4915A	05/26/1993	58.0750
Sulfate	MG/L	4915A	08/18/1993	48.1750
Sulfate	MG/L	4915A	11/16/1993	49.6500
Sulfate	MG/L	4915A	02/24/1994	64.2000
Sulfate	MG/L	4915A	05/11/1994	60.7500
Sulfate	MG/L	4915A	08/11/1994	61.2000
Sulfate	MG/L	4915A	11/11/1994	59.1000
Sulfate	MG/L	4915A	12/07/1994	66.3000
Sulfate	MG/L	4915A	02/03/1995	65.0000
Sulfate	MG/L	4915A	05/04/1995	60.1000
Sulfate	MG/L	4915A	08/08/1995	54.4000
Sulfate	MG/L	4915A	11/03/1995	51.7000
Sulfate	MG/L	4915A	02/06/1996	56.7000
Sulfate	MG/L	4915A	08/13/1996	76.3000
Sulfate	MG/L	4915A	02/12/1997	69.6000
Sulfate	MG/L	4915A	08/05/1997	61.5000
Sulfate	MG/L	4915A	02/04/1998	184.0000
Sulfate	MG/L	4915A	08/04/1998	53.4000
Sulfate	MG/L	4915A	02/18/1999	59.4000
Sulfate	MG/L	4915A	08/24/1999	61.4000
Sulfate	MG/L	4915A	02/18/2000	60.6000
Sulfate	MG/L	4915A	07/26/2000	60.5000
Sulfate	MG/L	4915A	03/08/2001	51.6000
Sulfate	MG/L	4915A	08/21/2001	51.7000
Sulfate	MG/L	4915A	02/21/2002	49.0000
Sulfate	MG/L	4915A	08/06/2002	51.0000
Sulfate	MG/L	4915A	02/10/2003	49.0000
Sulfate	MG/L	4915A	09/25/2003	54.0000

* - Outlier for that well and constituent.
ND = Not detected, result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result
Sulfate	MG/L	4915A	02/16/2004		48.0000
Sulfate	MG/L	4915B	02/11/1991		135.5000
Sulfate	MG/L	4915B	05/10/1991		202.7500
Sulfate	MG/L	4915B	08/12/1991		75.3500
Sulfate	MG/L	4915B	11/06/1991		50.7750
Sulfate	MG/L	4915B	02/11/1992		76.6250
Sulfate	MG/L	4915B	05/13/1992		157.7500
Sulfate	MG/L	4915B	08/10/1992		101.0500
Sulfate	MG/L	4915B	11/17/1992		38.4250
Sulfate	MG/L	4915B	02/09/1993		151.7500
Sulfate	MG/L	4915B	05/25/1993		63.1250
Sulfate	MG/L	4915B	08/13/1993		48.1250
Sulfate	MG/L	4915B	11/18/1993		54.7250
Sulfate	MG/L	4915B	02/23/1994		89.2500
Sulfate	MG/L	4915B	05/10/1994		113.7500
Sulfate	MG/L	4915B	08/16/1994		123.0000
Sulfate	MG/L	4915B	11/07/1994		51.9000
Sulfate	MG/L	4915B	12/07/1994		49.4000
Sulfate	MG/L	4915B	02/01/1995		62.8000
Sulfate	MG/L	4915B	04/19/1995		49.2000
Sulfate	MG/L	4915B	05/08/1995		45.6000
Sulfate	MG/L	4915B	08/10/1995		45.3000
Sulfate	MG/L	4915B	11/07/1995		57.4000
Sulfate	MG/L	4915B	02/12/1996		36.3000
Sulfate	MG/L	4915B	08/19/1996		46.8000
Sulfate	MG/L	4915B	02/13/1997		44.2000
Sulfate	MG/L	4915B	08/06/1997		43.7000
Sulfate	MG/L	4915B	02/09/1998		42.9000
Sulfate	MG/L	4915B	08/06/1998		31.5000
Sulfate	MG/L	4915B	02/22/1999		31.0000
Sulfate	MG/L	4915B	08/25/1999		45.2000
Sulfate	MG/L	4915B	03/21/2000	ND	250.0000
Sulfate	MG/L	4915B	08/07/2000		49.2000
Sulfate	MG/L	4915B	03/13/2001		48.2000
Sulfate	MG/L	4915B	08/16/2001		44.0000
Sulfate	MG/L	4915B	02/22/2002		38.3000
Sulfate	MG/L	4915B	08/28/2002		54.0000
Sulfate	MG/L	4915B	02/18/2003		90.0000
Sulfate	MG/L	4915B	09/26/2003		50.0000
Sulfate	MG/L	4915B	02/27/2004		41.0000
Sulfate	MG/L	4915C	05/14/1991		48.9250
Sulfate	MG/L	4915C	11/07/1991		63.7000
Sulfate	MG/L	4915C	02/12/1992		66.5500
Sulfate	MG/L	4915C	05/14/1992		55.8750
Sulfate	MG/L	4915C	08/04/1992		54.1000
Sulfate	MG/L	4915C	11/17/1992		56.1500
Sulfate	MG/L	4915C	02/11/1993		58.2750
Sulfate	MG/L	4915C	05/25/1993		54.6000
Sulfate	MG/L	4915C	08/18/1993		55.4500
Sulfate	MG/L	4915C	11/16/1993		58.6750
Sulfate	MG/L	4915C	02/23/1994		59.6750
Sulfate	MG/L	4915C	05/11/1994		62.3500
Sulfate	MG/L	4915C	08/15/1994		65.4000
Sulfate	MG/L	4915C	11/10/1994		68.9000
Sulfate	MG/L	4915C	02/07/1995		72.3000
Sulfate	MG/L	4915C	05/04/1995		62.7000
Sulfate	MG/L	4915C	08/09/1995		54.6000
Sulfate	MG/L	4915C	11/06/1995		61.3000
Sulfate	MG/L	4915C	02/07/1996		58.3000
Sulfate	MG/L	4915C	08/13/1996		78.0000
Sulfate	MG/L	4915C	02/12/1997		55.8000
Sulfate	MG/L	4915C	08/05/1997		57.3000
Sulfate	MG/L	4915C	02/05/1998		60.8000
Sulfate	MG/L	4915C	08/03/1998		50.4000
Sulfate	MG/L	4915C	02/18/1999		59.3000

* - Outlier for that well and constituent.
ND = Not detected, result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date	Result
Sulfate	MG/L	4915C	08/24/1999	66.1000
Sulfate	MG/L	4915C	02/18/2000	56.7000
Sulfate	MG/L	4915C	07/19/2000	54.7000
Sulfate	MG/L	4915C	03/08/2001	51.1000
Sulfate	MG/L	4915C	08/21/2001	48.2000
Sulfate	MG/L	4915C	02/20/2002	52.1000
Sulfate	MG/L	4915C	09/25/2003	53.0000
Sulfate	MG/L	4915C	02/16/2004	50.0000
Total dissolved solids	MG/L	4915A	02/11/1991	226.0000
Total dissolved solids	MG/L	4915A	05/10/1991	234.2500
Total dissolved solids	MG/L	4915A	08/12/1991	221.5000
Total dissolved solids	MG/L	4915A	11/06/1991	217.0000
Total dissolved solids	MG/L	4915A	02/11/1992	323.0000
Total dissolved solids	MG/L	4915A	05/14/1992	107.0000
Total dissolved solids	MG/L	4915A	08/10/1992	125.0000
Total dissolved solids	MG/L	4915A	09/10/1992	163.0000
Total dissolved solids	MG/L	4915A	11/18/1992	146.0000
Total dissolved solids	MG/L	4915A	02/09/1993	141.0000
Total dissolved solids	MG/L	4915A	05/26/1993	351.0000
Total dissolved solids	MG/L	4915A	08/18/1993	215.0000
Total dissolved solids	MG/L	4915A	11/16/1993	310.0000
Total dissolved solids	MG/L	4915A	02/24/1994	375.0000
Total dissolved solids	MG/L	4915A	05/11/1994	345.0000
Total dissolved solids	MG/L	4915A	08/11/1994	358.0000
Total dissolved solids	MG/L	4915A	11/11/1994	368.0000
Total dissolved solids	MG/L	4915A	02/03/1995	375.0000
Total dissolved solids	MG/L	4915A	05/04/1995	373.0000
Total dissolved solids	MG/L	4915A	08/08/1995	350.0000
Total dissolved solids	MG/L	4915A	11/03/1995	290.0000
Total dissolved solids	MG/L	4915A	02/06/1996	255.0000
Total dissolved solids	MG/L	4915A	08/13/1996	310.0000
Total dissolved solids	MG/L	4915A	02/12/1997	413.0000
Total dissolved solids	MG/L	4915A	08/05/1997	318.0000
Total dissolved solids	MG/L	4915A	02/04/1998	605.0000
Total dissolved solids	MG/L	4915A	08/04/1998	336.0000
Total dissolved solids	MG/L	4915A	02/18/1999	334.0000
Total dissolved solids	MG/L	4915A	08/24/1999	339.0000
Total dissolved solids	MG/L	4915A	02/18/2000	306.0000
Total dissolved solids	MG/L	4915A	07/26/2000	361.0000
Total dissolved solids	MG/L	4915A	03/08/2001	292.0000
Total dissolved solids	MG/L	4915A	08/21/2001	316.0000
Total dissolved solids	MG/L	4915A	02/21/2002	301.0000
Total dissolved solids	MG/L	4915A	08/06/2002	300.0000
Total dissolved solids	MG/L	4915A	02/10/2003	250.0000
Total dissolved solids	MG/L	4915A	09/25/2003	320.0000
Total dissolved solids	MG/L	4915A	02/16/2004	340.0000
Total dissolved solids	MG/L	4915B	02/11/1991	526.2500
Total dissolved solids	MG/L	4915B	05/10/1991	620.0000
Total dissolved solids	MG/L	4915B	08/12/1991	317.0000
Total dissolved solids	MG/L	4915B	11/06/1991	254.0000
Total dissolved solids	MG/L	4915B	02/11/1992	332.0000
Total dissolved solids	MG/L	4915B	05/13/1992	481.0000
Total dissolved solids	MG/L	4915B	08/10/1992	379.0000
Total dissolved solids	MG/L	4915B	11/17/1992	261.0000
Total dissolved solids	MG/L	4915B	02/09/1993	537.0000
Total dissolved solids	MG/L	4915B	05/25/1993	277.0000
Total dissolved solids	MG/L	4915B	08/13/1993	249.0000
Total dissolved solids	MG/L	4915B	11/18/1993	225.0000
Total dissolved solids	MG/L	4915B	02/23/1994	338.0000
Total dissolved solids	MG/L	4915B	05/10/1994	536.0000
Total dissolved solids	MG/L	4915B	08/16/1994	408.0000
Total dissolved solids	MG/L	4915B	11/07/1994	266.0000
Total dissolved solids	MG/L	4915B	02/01/1995	325.0000
Total dissolved solids	MG/L	4915B	04/19/1995	283.0000
Total dissolved solids	MG/L	4915B	05/08/1995	245.0000

* - Outlier for that well and constituent.
ND = Not detected, result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result
Total dissolved solids	MG/L	4915B	08/10/1995		266.0000
Total dissolved solids	MG/L	4915B	11/07/1995		268.0000
Total dissolved solids	MG/L	4915B	02/12/1996		237.0000
Total dissolved solids	MG/L	4915B	08/19/1996		274.0000
Total dissolved solids	MG/L	4915B	02/13/1997		277.0000
Total dissolved solids	MG/L	4915B	08/06/1997		262.0000
Total dissolved solids	MG/L	4915B	02/09/1998		276.0000
Total dissolved solids	MG/L	4915B	08/06/1998		241.0000
Total dissolved solids	MG/L	4915B	02/22/1999		272.0000
Total dissolved solids	MG/L	4915B	08/25/1999		303.0000
Total dissolved solids	MG/L	4915B	03/21/2000		333.0000
Total dissolved solids	MG/L	4915B	08/07/2000		322.0000
Total dissolved solids	MG/L	4915B	03/13/2001		300.0000
Total dissolved solids	MG/L	4915B	08/16/2001		468.0000
Total dissolved solids	MG/L	4915B	02/22/2002		275.0000
Total dissolved solids	MG/L	4915B	08/28/2002		370.0000
Total dissolved solids	MG/L	4915B	02/18/2003		480.0000
Total dissolved solids	MG/L	4915B	09/26/2003		290.0000
Total dissolved solids	MG/L	4915B	02/27/2004		280.0000
Total dissolved solids	MG/L	4915C	05/14/1991		370.2500
Total dissolved solids	MG/L	4915C	11/07/1991		339.0000
Total dissolved solids	MG/L	4915C	02/12/1992		335.0000
Total dissolved solids	MG/L	4915C	05/14/1992		335.7500
Total dissolved solids	MG/L	4915C	08/04/1992		358.0000
Total dissolved solids	MG/L	4915C	11/17/1992		313.0000
Total dissolved solids	MG/L	4915C	02/11/1993		335.0000
Total dissolved solids	MG/L	4915C	05/25/1993		365.0000
Total dissolved solids	MG/L	4915C	08/18/1993		314.0000
Total dissolved solids	MG/L	4915C	11/16/1993		353.0000
Total dissolved solids	MG/L	4915C	02/23/1994		206.0000
Total dissolved solids	MG/L	4915C	05/11/1994		316.0000
Total dissolved solids	MG/L	4915C	08/15/1994		391.0000
Total dissolved solids	MG/L	4915C	11/10/1994		400.0000
Total dissolved solids	MG/L	4915C	02/07/1995		363.0000
Total dissolved solids	MG/L	4915C	05/04/1995		377.0000
Total dissolved solids	MG/L	4915C	08/09/1995		336.0000
Total dissolved solids	MG/L	4915C	11/06/1995		312.0000
Total dissolved solids	MG/L	4915C	02/07/1996		334.0000
Total dissolved solids	MG/L	4915C	08/13/1996		359.0000
Total dissolved solids	MG/L	4915C	02/12/1997		337.0000
Total dissolved solids	MG/L	4915C	08/05/1997		328.0000
Total dissolved solids	MG/L	4915C	02/05/1998		424.0000
Total dissolved solids	MG/L	4915C	08/03/1998		316.0000
Total dissolved solids	MG/L	4915C	02/18/1999		326.0000
Total dissolved solids	MG/L	4915C	08/24/1999		312.0000
Total dissolved solids	MG/L	4915C	02/18/2000		304.0000
Total dissolved solids	MG/L	4915C	07/19/2000		315.0000
Total dissolved solids	MG/L	4915C	03/08/2001		282.0000
Total dissolved solids	MG/L	4915C	08/21/2001		301.0000
Total dissolved solids	MG/L	4915C	02/20/2002		300.0000
Total dissolved solids	MG/L	4915C	09/25/2003		310.0000
Total dissolved solids	MG/L	4915C	02/16/2004		320.0000
Total organic carbon	MG/L	4915A	02/11/1991		9.4500
Total organic carbon	MG/L	4915A	05/10/1991		9.2500
Total organic carbon	MG/L	4915A	08/12/1991		30.7000
Total organic carbon	MG/L	4915A	11/06/1991		46.1500
Total organic carbon	MG/L	4915A	02/11/1992		23.9500
Total organic carbon	MG/L	4915A	05/14/1992		23.8000
Total organic carbon	MG/L	4915A	08/10/1992		2.5000
Total organic carbon	MG/L	4915A	09/10/1992		1.6500
Total organic carbon	MG/L	4915A	11/18/1992		1.1500
Total organic carbon	MG/L	4915A	02/09/1993	ND	1.0000
Total organic carbon	MG/L	4915A	05/26/1993	ND	1.0000
Total organic carbon	MG/L	4915A	08/18/1993	ND	1.0000
Total organic carbon	MG/L	4915A	11/16/1993	ND	1.0000

* - Outlier for that well and constituent.
ND = Not detected, result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result
Total organic carbon	MG/L	4915A	02/24/1994	ND	1.0000
Total organic carbon	MG/L	4915A	05/11/1994	ND	1.0000
Total organic carbon	MG/L	4915A	08/11/1994	ND	1.0000
Total organic carbon	MG/L	4915A	11/11/1994	ND	1.0000
Total organic carbon	MG/L	4915A	12/07/1994		1.0000
Total organic carbon	MG/L	4915A	02/03/1995		1.1000
Total organic carbon	MG/L	4915A	05/04/1995	ND	1.0000
Total organic carbon	MG/L	4915A	08/08/1995	ND	1.0000
Total organic carbon	MG/L	4915A	11/03/1995		3.9500
Total organic carbon	MG/L	4915A	02/06/1996	ND	1.0000
Total organic carbon	MG/L	4915A	08/13/1996	ND	1.0000
Total organic carbon	MG/L	4915A	02/12/1997	ND	1.0000
Total organic carbon	MG/L	4915A	08/05/1997	ND	1.0000
Total organic carbon	MG/L	4915A	02/04/1998		5.4500
Total organic carbon	MG/L	4915A	08/04/1998	ND	1.0000
Total organic carbon	MG/L	4915A	02/18/1999	ND	1.0000
Total organic carbon	MG/L	4915A	08/24/1999		0.9900
Total organic carbon	MG/L	4915A	02/18/2000	ND	1.0000
Total organic carbon	MG/L	4915A	07/26/2000	ND	1.0000
Total organic carbon	MG/L	4915A	08/21/2001	ND	1.0000
Total organic carbon	MG/L	4915A	02/21/2002	ND	1.0000
Total organic carbon	MG/L	4915A	08/06/2002	ND	1.0000
Total organic carbon	MG/L	4915A	02/10/2003	ND	1.0000
Total organic carbon	MG/L	4915A	09/25/2003	ND	1.0000
Total organic carbon	MG/L	4915A	02/16/2004	ND	1.0000
Total organic carbon	MG/L	4915B	02/11/1991		11.7500
Total organic carbon	MG/L	4915B	05/10/1991		9.3500
Total organic carbon	MG/L	4915B	08/12/1991		6.4000
Total organic carbon	MG/L	4915B	11/06/1991		45.4500
Total organic carbon	MG/L	4915B	02/11/1992		14.8500
Total organic carbon	MG/L	4915B	05/13/1992		21.7000
Total organic carbon	MG/L	4915B	08/10/1992		1.8000
Total organic carbon	MG/L	4915B	11/17/1992	ND	1.0000
Total organic carbon	MG/L	4915B	02/09/1993	ND	1.0000
Total organic carbon	MG/L	4915B	05/25/1993		1.8500
Total organic carbon	MG/L	4915B	08/13/1993		1.0000
Total organic carbon	MG/L	4915B	11/18/1993	ND	1.0000
Total organic carbon	MG/L	4915B	02/23/1994	ND	1.0000
Total organic carbon	MG/L	4915B	05/10/1994	ND	1.0000
Total organic carbon	MG/L	4915B	08/16/1994		14.5500
Total organic carbon	MG/L	4915B	11/07/1994		7.9000
Total organic carbon	MG/L	4915B	12/07/1994		1.2500
Total organic carbon	MG/L	4915B	02/01/1995	ND	1.0000
Total organic carbon	MG/L	4915B	04/19/1995	ND	1.0000
Total organic carbon	MG/L	4915B	05/08/1995		1.0500
Total organic carbon	MG/L	4915B	08/10/1995		1.0500
Total organic carbon	MG/L	4915B	11/07/1995		1.3000
Total organic carbon	MG/L	4915B	02/12/1996	ND	1.0000
Total organic carbon	MG/L	4915B	08/19/1996		1.0000
Total organic carbon	MG/L	4915B	02/13/1997	ND	1.0000
Total organic carbon	MG/L	4915B	09/17/1997		2.2500
Total organic carbon	MG/L	4915B	02/09/1998	ND	1.0000
Total organic carbon	MG/L	4915B	08/06/1998	ND	1.0000
Total organic carbon	MG/L	4915B	02/22/1999	ND	1.0000
Total organic carbon	MG/L	4915B	08/25/1999		0.9300
Total organic carbon	MG/L	4915B	03/21/2000	ND	1.0000
Total organic carbon	MG/L	4915B	08/07/2000		1.2500
Total organic carbon	MG/L	4915B	03/13/2001	ND	1.0000
Total organic carbon	MG/L	4915B	08/16/2001	ND	1.0000
Total organic carbon	MG/L	4915B	02/22/2002		1.0500
Total organic carbon	MG/L	4915B	08/28/2002	ND	1.0000
Total organic carbon	MG/L	4915B	02/18/2003	ND	1.0000
Total organic carbon	MG/L	4915B	09/26/2003	ND	1.0000
Total organic carbon	MG/L	4915B	02/27/2004	ND	1.0000
Total organic carbon	MG/L	4915C	05/14/1991		1.1500

* - Outlier for that well and constituent.
ND = Not detected, result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result
Total organic carbon	MG/L	4915C	11/07/1991	ND	1.0000
Total organic carbon	MG/L	4915C	02/12/1992		2.6000
Total organic carbon	MG/L	4915C	05/14/1992		1.9500
Total organic carbon	MG/L	4915C	08/04/1992		2.1500
Total organic carbon	MG/L	4915C	11/17/1992	ND	1.0000
Total organic carbon	MG/L	4915C	02/11/1993	ND	1.0000
Total organic carbon	MG/L	4915C	05/25/1993	ND	1.0000
Total organic carbon	MG/L	4915C	08/18/1993	ND	1.0000
Total organic carbon	MG/L	4915C	11/16/1993	ND	1.0000
Total organic carbon	MG/L	4915C	02/23/1994	ND	1.0000
Total organic carbon	MG/L	4915C	05/11/1994	ND	1.0000
Total organic carbon	MG/L	4915C	08/15/1994	ND	1.0000
Total organic carbon	MG/L	4915C	11/10/1994		2.6500
Total organic carbon	MG/L	4915C	02/07/1995	ND	1.0000
Total organic carbon	MG/L	4915C	05/04/1995	ND	1.0000
Total organic carbon	MG/L	4915C	08/09/1995	ND	1.0000
Total organic carbon	MG/L	4915C	11/06/1995		1.0500
Total organic carbon	MG/L	4915C	02/07/1996		1.1000
Total organic carbon	MG/L	4915C	08/13/1996	ND	1.0000
Total organic carbon	MG/L	4915C	02/12/1997	ND	1.0000
Total organic carbon	MG/L	4915C	08/05/1997	ND	1.0000
Total organic carbon	MG/L	4915C	02/05/1998	ND	1.0000
Total organic carbon	MG/L	4915C	08/03/1998	ND	1.0000
Total organic carbon	MG/L	4915C	02/18/1999	ND	1.0000
Total organic carbon	MG/L	4915C	08/24/1999		1.3500
Total organic carbon	MG/L	4915C	02/18/2000	ND	1.0000
Total organic carbon	MG/L	4915C	07/19/2000	ND	1.0000
Total organic carbon	MG/L	4915C	03/08/2001	ND	1.0000
Total organic carbon	MG/L	4915C	08/21/2001	ND	1.0000
Total organic carbon	MG/L	4915C	02/20/2002	ND	1.0000
Total organic carbon	MG/L	4915C	09/25/2003	ND	1.0000
Total organic carbon	MG/L	4915C	02/16/2004	ND	1.0000
Total organic halogen	UG/L	4915A	02/11/1991		8.1000
Total organic halogen	UG/L	4915A	05/10/1991	ND	5.0000
Total organic halogen	UG/L	4915A	08/12/1991		5.2500
Total organic halogen	UG/L	4915A	11/06/1991	ND	5.0000
Total organic halogen	UG/L	4915A	02/11/1992	ND	5.0000
Total organic halogen	UG/L	4915A	05/14/1992		5.4750
Total organic halogen	UG/L	4915A	08/10/1992		5.0000
Total organic halogen	UG/L	4915A	11/18/1992	ND	5.0000
Total organic halogen	UG/L	4915A	02/09/1993	ND	5.0000
Total organic halogen	UG/L	4915A	05/26/1993	ND	5.0000
Total organic halogen	UG/L	4915A	08/18/1993	ND	5.0000
Total organic halogen	UG/L	4915A	11/16/1993		9.0000
Total organic halogen	UG/L	4915A	02/24/1994		7.0750
Total organic halogen	UG/L	4915A	05/11/1994		5.4250
Total organic halogen	UG/L	4915A	08/11/1994	ND	10.0000
Total organic halogen	UG/L	4915A	11/11/1994		10.5000
Total organic halogen	UG/L	4915A	12/07/1994	ND	10.0000
Total organic halogen	UG/L	4915A	02/03/1995	ND	10.0000
Total organic halogen	UG/L	4915A	05/04/1995	ND	10.0000
Total organic halogen	UG/L	4915A	08/08/1995	ND	10.0000
Total organic halogen	UG/L	4915A	11/03/1995	ND	10.0000
Total organic halogen	UG/L	4915A	02/06/1996	ND	10.0000
Total organic halogen	UG/L	4915A	08/13/1996	ND	10.0000
Total organic halogen	UG/L	4915A	02/12/1997	ND	10.0000
Total organic halogen	UG/L	4915A	08/05/1997	ND	10.0000
Total organic halogen	UG/L	4915A	02/04/1998		12.0000
Total organic halogen	UG/L	4915A	08/04/1998	ND	10.0000
Total organic halogen	UG/L	4915A	02/18/1999	ND	30.0000
Total organic halogen	UG/L	4915A	08/24/1999	ND	30.0000
Total organic halogen	UG/L	4915A	02/18/2000	ND	30.0000
Total organic halogen	UG/L	4915A	07/26/2000	ND	30.0000
Total organic halogen	UG/L	4915A	08/21/2001	ND	30.0000
Total organic halogen	UG/L	4915A	02/21/2002	ND	30.0000

* - Outlier for that well and constituent.
ND = Not detected, result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result
Total organic halogen	UG/L	4915A	08/06/2002	ND	30.0000
Total organic halogen	UG/L	4915A	02/10/2003	ND	30.0000
Total organic halogen	UG/L	4915A	09/25/2003	ND	30.0000
Total organic halogen	UG/L	4915A	02/16/2004	ND	30.0000
Total organic halogen	UG/L	4915B	02/11/1991		16.8000
Total organic halogen	UG/L	4915B	05/10/1991		20.7500
Total organic halogen	UG/L	4915B	08/12/1991		5.0000
Total organic halogen	UG/L	4915B	11/06/1991		5.0000
Total organic halogen	UG/L	4915B	02/11/1992		11.2500
Total organic halogen	UG/L	4915B	05/13/1992		29.6500
Total organic halogen	UG/L	4915B	08/10/1992		12.2500
Total organic halogen	UG/L	4915B	11/17/1992		6.5000
Total organic halogen	UG/L	4915B	02/09/1993	ND	5.0000
Total organic halogen	UG/L	4915B	05/25/1993		7.5000
Total organic halogen	UG/L	4915B	08/13/1993		9.7500
Total organic halogen	UG/L	4915B	11/18/1993		5.5000
Total organic halogen	UG/L	4915B	02/23/1994		14.7500
Total organic halogen	UG/L	4915B	05/10/1994		30.8000
Total organic halogen	UG/L	4915B	08/16/1994	ND	10.0000
Total organic halogen	UG/L	4915B	11/07/1994	ND	10.0000
Total organic halogen	UG/L	4915B	12/07/1994	ND	10.0000
Total organic halogen	UG/L	4915B	02/01/1995	ND	10.0000
Total organic halogen	UG/L	4915B	04/19/1995	ND	10.0000
Total organic halogen	UG/L	4915B	05/08/1995	ND	10.0000
Total organic halogen	UG/L	4915B	08/10/1995	ND	10.0000
Total organic halogen	UG/L	4915B	11/07/1995	ND	10.0000
Total organic halogen	UG/L	4915B	02/12/1996	ND	10.0000
Total organic halogen	UG/L	4915B	08/19/1996	ND	10.0000
Total organic halogen	UG/L	4915B	02/13/1997	ND	10.0000
Total organic halogen	UG/L	4915B	08/06/1997	ND	10.0000
Total organic halogen	UG/L	4915B	02/09/1998	ND	10.0000
Total organic halogen	UG/L	4915B	08/06/1998	ND	10.0000
Total organic halogen	UG/L	4915B	02/22/1999	ND	30.0000
Total organic halogen	UG/L	4915B	08/25/1999	ND	30.0000
Total organic halogen	UG/L	4915B	03/21/2000	ND	30.0000
Total organic halogen	UG/L	4915B	08/07/2000	ND	30.0000
Total organic halogen	UG/L	4915B	03/13/2001	ND	30.0000
Total organic halogen	UG/L	4915B	08/16/2001	ND	30.0000
Total organic halogen	UG/L	4915B	02/22/2002	ND	30.0000
Total organic halogen	UG/L	4915B	08/28/2002	ND	30.0000
Total organic halogen	UG/L	4915B	02/18/2003	ND	30.0000
Total organic halogen	UG/L	4915B	09/26/2003	ND	30.0000
Total organic halogen	UG/L	4915B	02/27/2004	ND	30.0000
Total organic halogen	UG/L	4915C	05/14/1991		5.2500
Total organic halogen	UG/L	4915C	11/14/1991	ND	5.0000
Total organic halogen	UG/L	4915C	02/12/1992	ND	5.0000
Total organic halogen	UG/L	4915C	05/14/1992		7.8500
Total organic halogen	UG/L	4915C	08/04/1992	ND	5.0000
Total organic halogen	UG/L	4915C	11/17/1992	ND	5.0000
Total organic halogen	UG/L	4915C	02/11/1993	ND	5.0000
Total organic halogen	UG/L	4915C	05/25/1993	ND	5.0000
Total organic halogen	UG/L	4915C	08/18/1993	ND	5.0000
Total organic halogen	UG/L	4915C	11/16/1993		11.0000
Total organic halogen	UG/L	4915C	02/23/1994		5.2500
Total organic halogen	UG/L	4915C	05/11/1994		6.5750
Total organic halogen	UG/L	4915C	08/15/1994	ND	10.0000
Total organic halogen	UG/L	4915C	11/10/1994	ND	10.0000
Total organic halogen	UG/L	4915C	02/07/1995	ND	10.0000
Total organic halogen	UG/L	4915C	05/04/1995	ND	10.0000
Total organic halogen	UG/L	4915C	08/09/1995	ND	10.0000
Total organic halogen	UG/L	4915C	11/06/1995	ND	10.0000
Total organic halogen	UG/L	4915C	02/07/1996	ND	10.0000
Total organic halogen	UG/L	4915C	08/13/1996	ND	10.0000
Total organic halogen	UG/L	4915C	02/12/1997	ND	10.0000
Total organic halogen	UG/L	4915C	08/05/1997	ND	10.0000

* - Outlier for that well and constituent.
ND = Not detected, result = detection limit.

Table 1

Upgradient Data

Constituent	Units	Well	Date		Result
Total organic halogen	UG/L	4915C	02/05/1998	ND	10.0000
Total organic halogen	UG/L	4915C	08/03/1998	ND	10.0000
Total organic halogen	UG/L	4915C	02/18/1999		39.0000
Total organic halogen	UG/L	4915C	08/24/1999	ND	30.0000
Total organic halogen	UG/L	4915C	02/18/2000	ND	30.0000
Total organic halogen	UG/L	4915C	07/19/2000	ND	30.0000
Total organic halogen	UG/L	4915C	03/08/2001	ND	30.0000
Total organic halogen	UG/L	4915C	08/21/2001	ND	30.0000
Total organic halogen	UG/L	4915C	02/20/2002	ND	30.0000
Total organic halogen	UG/L	4915C	09/25/2003	ND	30.0000
Total organic halogen	UG/L	4915C	02/16/2004	ND	30.0000

* - Outlier for that well and constituent.
ND = Not detected, result = detection limit.

Table 2

Most Current Downgradient Monitoring Data

Constituent	Units	Well	Date		Result		Pred. Limit
Alkalinity, bicarbonate (as caco3)	MG/L	4915D	02/17/2004		170.0000		271.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4915E	02/16/2004		160.0000		271.0000
Alkalinity, bicarbonate (as caco3)	MG/L	4915M	02/17/2004		180.0000		271.0000
Biochemical oxygen demand	MG/L	4915D	02/17/2004	ND	2.0000		2.0000
Biochemical oxygen demand	MG/L	4915E	02/16/2004	ND	2.0000		2.0000
Biochemical oxygen demand	MG/L	4915M	02/17/2004	ND	2.0000		2.0000
Calcium-dissolved	UG/L	4915D	02/17/2004		47000.0000		97238.9268
Calcium-dissolved	UG/L	4915E	02/16/2004		54000.0000		97238.9268
Calcium-dissolved	UG/L	4915M	02/17/2004		71000.0000		97238.9268
Chemical oxygen demand	MG/L	4915D	02/17/2004	ND	8.0000		95.0000
Chemical oxygen demand	MG/L	4915E	02/16/2004	ND	8.0000		95.0000
Chemical oxygen demand	MG/L	4915M	02/17/2004	ND	8.0000		95.0000
Chloride	MG/L	4915D	02/17/2004		15.0000		106.0000
Chloride	MG/L	4915E	02/16/2004		25.0000		106.0000
Chloride	MG/L	4915M	02/17/2004		55.0000		106.0000
Fluoride	MG/L	4915D	02/17/2004	ND	1.0000		0.9770
Fluoride	MG/L	4915E	02/16/2004	ND	1.0000		0.9770
Fluoride	MG/L	4915M	02/17/2004	ND	1.0000		0.9770
Iron-dissolved	UG/L	4915D	02/17/2004	ND	100.0000		4480.0000
Iron-dissolved	UG/L	4915E	02/16/2004	ND	100.0000		4480.0000
Iron-dissolved	UG/L	4915M	02/17/2004	ND	100.0000		4480.0000
Magnesium-dissolved	UG/L	4915D	02/17/2004		13000.0000		27456.9772
Magnesium-dissolved	UG/L	4915E	02/16/2004		15000.0000		27456.9772
Magnesium-dissolved	UG/L	4915M	02/17/2004		20000.0000		27456.9772
Nitrogen, nitrate	MG/L	4915D	02/17/2004		1.2000		3.4469
Nitrogen, nitrate	MG/L	4915E	02/16/2004		0.8400	**	3.4469
Nitrogen, nitrate	MG/L	4915M	02/17/2004		2.1000		3.4469
Sodium-dissolved	MG/L	4915D	02/17/2004		24.0000		46.2119
Sodium-dissolved	MG/L	4915E	02/16/2004		30.0000		46.2119
Sodium-dissolved	MG/L	4915M	02/17/2004		31.0000		46.2119
Specific conductance	UMHOS/CM	4915D	02/17/2004		490.0000		857.0175
Specific conductance	UMHOS/CM	4915E	02/16/2004		530.0000		857.0175
Specific conductance	UMHOS/CM	4915M	02/17/2004		780.0000		857.0175
Sulfate	MG/L	4915D	02/17/2004		47.0000		250.0000
Sulfate	MG/L	4915E	02/16/2004		49.0000		250.0000
Sulfate	MG/L	4915M	02/17/2004		81.0000		250.0000
Total dissolved solids	MG/L	4915D	02/17/2004		280.0000		620.0000
Total dissolved solids	MG/L	4915E	02/16/2004		310.0000		620.0000
Total dissolved solids	MG/L	4915M	02/17/2004		410.0000		620.0000
Total organic carbon	MG/L	4915D	02/17/2004	ND	1.0000		46.1500
Total organic carbon	MG/L	4915E	02/16/2004	ND	1.0000		46.1500
Total organic carbon	MG/L	4915M	02/17/2004	ND	1.0000		46.1500
Total organic halogen	UG/L	4915D	02/17/2004	ND	30.0000		39.0000
Total organic halogen	UG/L	4915E	02/16/2004	ND	30.0000		39.0000
Total organic halogen	UG/L	4915M	02/17/2004		33.0000		39.0000

* - Current value failed - awaiting verification.
** - Current value passed - previous exceedance not verified.
*** - Current value failed - exceedance verified.
**** - Current value passed - awaiting one more verification.
***** - Insufficient background data to compute prediction limit.
ND = Not Detected, result = detection limit.

Table 3

Detection Frequencies in Upgradient and Downgradient Wells

Constituent	Upgradient			Downgradient		
	Detect	N	Proportion	Detect	N	Proportion
Alkalinity, bicarbonate (as caco3)	102	104	0.981	90	91	0.989
Biochemical oxygen demand	0	22	0.000	0	24	0.000
Calcium-dissolved	68	68	1.000	66	66	1.000
Chemical oxygen demand	27	107	0.252	9	90	0.100
Chloride	111	111	1.000	91	91	1.000
Fluoride	64	110	0.582	47	90	0.522
Iron-dissolved	9	38	0.237	5	41	0.122
Magnesium-dissolved	66	68	0.971	66	66	1.000
Nitrogen, nitrate	43	49	0.878	48	48	1.000
Sodium-dissolved	65	65	1.000	63	63	1.000
Specific conductance	58	58	1.000	52	52	1.000
Sulfate	110	111	0.991	91	91	1.000
Total dissolved solids	109	109	1.000	90	90	1.000
Total organic carbon	42	110	0.382	19	91	0.209
Total organic halogen	28	109	0.257	15	90	0.167

N = Total number of measurements in all wells.
Detect = Total number of detections in all wells.
Proportion = Detect/N.

Table 4

Shapiro Wilk Test of Normality for Multiple Groups

Constituent	N (Detects)	Detect Freq	G raw	G log	Critical Value	Limit Type
Alkalinity, bicarbonate (as caco3)	102	0.981	2.418	2.770	2.326	nonpar
Biochemical oxygen demand	0	0.000				nonpar
Calcium-dissolved	68	1.000	1.554	4.146	2.326	normal
Chemical oxygen demand	27	0.252	5.330	3.409	2.326	nonpar
Chloride	111	1.000	7.862	5.379	2.326	nonpar
Fluoride	64	0.582	1.641	1.551	2.326	normal
Iron-dissolved	9	0.237	1.980	0.139	2.326	nonpar
Magnesium-dissolved	66	0.971	0.985	0.445	2.326	normal
Nitrogen, nitrate	43	0.878	4.251	1.831	2.326	lognor
Sodium-dissolved	65	1.000	2.917	1.739	2.326	lognor
Specific conductance	58	1.000	2.012	2.600	2.326	normal
Sulfate	110	0.991	7.347	3.785	2.326	nonpar
Total dissolved solids	109	1.000	4.563	5.261	2.326	nonpar
Total organic carbon	42	0.382	5.152	3.160	2.326	nonpar
Total organic halogen	28	0.257	3.646	1.663	2.326	nonpar

Fit to distribution is confirmed if G < critical value.
If detection frequency is < 50% nonparametric or Poisson limit is used

Table 5

Summary Statistics and Prediction Limits

Constituent	Units	Model Type	N	Detect	Mean	SD	Pred Limit	Conf*
Alkalinity, bicarbonate (as caco3)	MG/L	nonpar	104	102			271.0000	0.99
Biochemical oxygen demand	MG/L	nonpar	22	0			2.0000	0.97
Calcium-dissolved	UG/L	normal	68	68	57051.3235	16739.6727	97238.9268	
Chemical oxygen demand	MG/L	nonpar	107	27			95.0000	0.99
Chloride	MG/L	nonpar	111	111			106.0000	0.99
Fluoride	MG/L	normal	110	64	0.3074	0.2823	0.9770	
Iron-dissolved	UG/L	nonpar	38	9			4480.0000	0.99
Magnesium-dissolved	UG/L	normal	68	66	15558.2353	4956.2808	27456.9772	
Nitrogen, nitrate	MG/L	lognor	49	43	0.5443	0.3899	3.4469	
Sodium-dissolved	MG/L	lognor	65	65	3.3778	0.1894	46.2119	
Specific conductance	UMHOS/CM	normal	58	58	532.5690	134.3986	857.0175	
Sulfate	MG/L	nonpar	111	110			250.0000	0.99
Total dissolved solids	MG/L	nonpar	109	109			620.0000	0.99
Total organic carbon	MG/L	nonpar	110	42			46.1500	0.99
Total organic halogen	UG/L	nonpar	109	28			39.0000	0.99

* - Confidence level for passing initial test or one verification resample at all downgradient wells for a single constituent (nonparametric test only).
Model Type refers to type of prediction limit.
For lognormal limit, mean and sd in natural log units and prediction limit in original units.
All sample sizes and statistics are based on outlier free data.
For nonparametric limits, median reporting limits are substituted for extreme reporting limit values.

Table 6

Historical Downgradient Data for Constituent-Well Combinations that Failed the Current Statistical Evaluation or are in Verification Resampling Mode

Constituent	Units	Well	Date	Result		Pred. Limit
Nitrogen, nitrate	MG/L	4915E	09/09/1992	2.7200		3.4469
Nitrogen, nitrate	MG/L	4915E	02/11/1993	1.6000		3.4469
Nitrogen, nitrate	MG/L	4915E	11/15/1993	3.5600	*	3.4469
Nitrogen, nitrate	MG/L	4915E	02/03/1995	0.8100		3.4469
Nitrogen, nitrate	MG/L	4915E	05/08/1995	1.2500		3.4469
Nitrogen, nitrate	MG/L	4915E	08/09/1995	5.3500	*	3.4469
Nitrogen, nitrate	MG/L	4915E	11/21/1995	2.8200		3.4469
Nitrogen, nitrate	MG/L	4915E	02/07/1996	0.5200		3.4469
Nitrogen, nitrate	MG/L	4915E	08/15/1996	0.8900		3.4469
Nitrogen, nitrate	MG/L	4915E	02/13/1997	2.3300		3.4469
Nitrogen, nitrate	MG/L	4915E	08/05/1997	1.2300		3.4469
Nitrogen, nitrate	MG/L	4915E	02/05/1998	1.1600		3.4469
Nitrogen, nitrate	MG/L	4915E	08/04/1998	3.5900	*	3.4469
Nitrogen, nitrate	MG/L	4915E	08/08/2002	0.9800		3.4469
Nitrogen, nitrate	MG/L	4915E	03/12/2003	6.9000	*	3.4469
Nitrogen, nitrate	MG/L	4915E	09/25/2003	1.5000		3.4469
Nitrogen, nitrate	MG/L	4915E	02/16/2004	0.8400		3.4469

* - Significantly increased over background.
ND = Not Detected, result = detection limit.

False Positive and False Negative Rates for Current Upgradient vs. Downgradient Monitoring Program

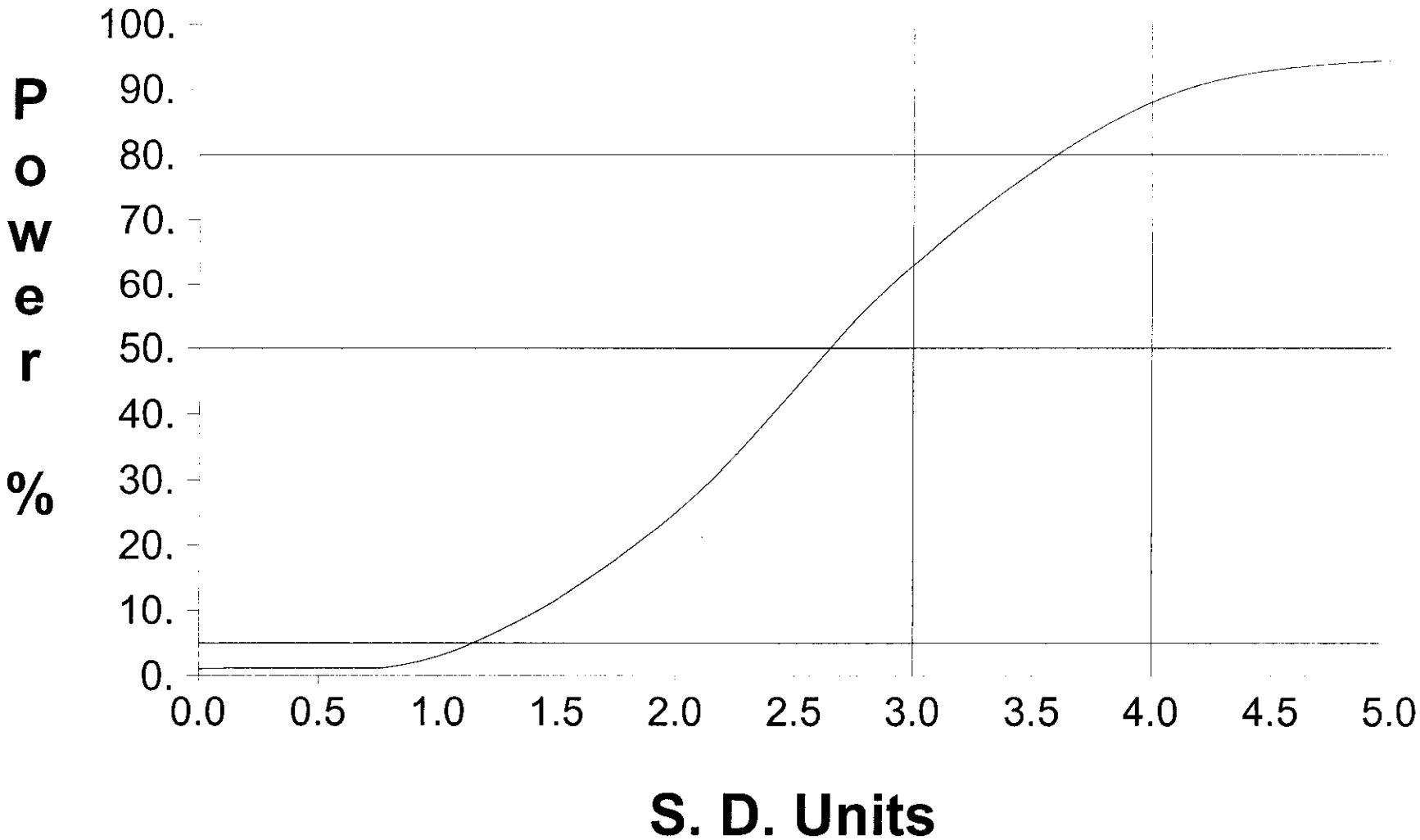


Table 1

Historical Volatile Organic Compound Detections

Constituent	Units	Well	Date	Result	Limit
1,1-dichloroethene	UG/L	4915A	7/26/2000	8.1000	1.0000
1,1-dichloroethene	UG/L	4915C	7/19/2000	1.4000	1.0000
1,1-dichloroethene	UG/L	4915D	7/26/2000	3.0000	1.0000
Tetrachloroethene	UG/L	4915D	5/14/1992	4.0000	4.0000
Tetrachloroethene	UG/L	4915D	5/05/1995	14.0000	5.0000
1,1-dichloroethene	UG/L	4915E	7/26/2000	5.9000	1.0000
Trichloroethene	UG/L	4915E	5/14/1992	2.0000	1.9000
Trichloroethene	UG/L	4915E	8/04/1992	2.0000	1.9000
Trichloroethene	UG/L	4915M	2/09/1998	7.0000	5.0000
Trichloroethene	UG/L	4915M	8/28/2002	10.0000	5.0000
Trichloroethene	UG/L	4915M	6/03/2003	14.0000	5.0000
Trichloroethene	UG/L	4915M	2/17/2004	45.0000	5.0000
1,1,1-trichloroethane	UG/L	4916D	8/15/1991	7.0000	3.8000
1,1-dichloroethane	UG/L	4916D	8/15/1991	39.0000	5.0000
1,1-dichloroethane	UG/L	4916D	11/08/1991	6.0000	5.0000
1,1-dichloroethane	UG/L	4916D	8/14/1992	14.0000	5.0000
1,1-dichloroethane	UG/L	4916D	11/20/1992	10.0000	5.0000
1,1-dichloroethene	UG/L	4916D	7/26/2000	2.7000	1.0000
Chloromethane	UG/L	4916D	8/15/1991	31.0000	10.0000
Dichlorodifluoromethane	UG/L	4916D	8/15/1991	34.0000	10.0000
Dichlorodifluoromethane	UG/L	4916D	11/08/1991	19.0000	10.0000
Dichlorodifluoromethane	UG/L	4916D	5/05/1995	11.0000	10.0000
Methylene chloride	UG/L	4916D	8/15/1991	21.0000	2.8000
Methylene chloride	UG/L	4916D	5/03/2000	9.3000	5.0000
Tetrachloroethene	UG/L	4916D	8/15/1991	35.0000	4.1000
Tetrachloroethene	UG/L	4916D	11/08/1991	20.0000	4.1000
Tetrachloroethene	UG/L	4916D	2/13/1992	6.0000	4.0000
Tetrachloroethene	UG/L	4916D	8/14/1992	9.0000	4.0000
Tetrachloroethene	UG/L	4916D	11/20/1992	10.0000	4.0000
Tetrachloroethene	UG/L	4916D	2/10/1993	5.0000	4.0000
Tetrachloroethene	UG/L	4916D	5/26/1993	4.0000	4.0000
Trichloroethene	UG/L	4916D	8/15/1991	13.0000	1.9000
Trichloroethene	UG/L	4916D	11/08/1991	2.0000	1.9000
Trichloroethene	UG/L	4916D	5/26/1992	13.0000	1.9000
Trichloroethene	UG/L	4916D	8/14/1992	3.0000	1.9000
Trichloroethene	UG/L	4916D	11/20/1992	2.0000	1.9000
Vinyl chloride	UG/L	4916D	9/26/2003	1.2000	1.0000
1,1,1-trichloroethane	UG/L	4916F	5/14/1991	8.0000	7.6000
1,1,1-trichloroethane	UG/L	4916F	11/19/1992	4.0000	3.8000
1,1-dichloroethane	UG/L	4916F	5/14/1991	41.0000	10.0000
1,1-dichloroethane	UG/L	4916F	8/15/1991	36.0000	10.0000
1,1-dichloroethane	UG/L	4916F	11/14/1991	10.0000	5.0000
1,1-dichloroethane	UG/L	4916F	2/13/1992	5.0000	5.0000
1,1-dichloroethane	UG/L	4916F	5/12/1992	15.0000	5.0000
1,1-dichloroethane	UG/L	4916F	8/07/1992	8.0000	5.0000
1,1-dichloroethane	UG/L	4916F	9/14/1992	8.0000	5.0000
1,1-dichloroethane	UG/L	4916F	11/19/1992	9.0000	5.0000
1,1-dichloroethane	UG/L	4916F	2/03/1993	10.0000	5.0000
1,1-dichloroethane	UG/L	4916F	5/27/1993	5.0000	5.0000
1,1-dichloroethane	UG/L	4916F	8/17/1993	6.0000	5.0000
1,1-dichloroethane	UG/L	4916F	11/08/1994	6.0000	5.0000
1,1-dichloroethane	UG/L	4916F	2/02/1995	7.0000	5.0000
1,1-dichloroethene	UG/L	4916F	11/22/1999	1.1000	1.0000
Benzene	UG/L	4916F	9/11/2003	1.7000	1.0000
Chloromethane	UG/L	4916F	8/15/1991	51.0000	20.0000
Chloromethane	UG/L	4916F	5/12/1992	18.0000	10.0000
Dichlorodifluoromethane	UG/L	4916F	8/15/1991	62.0000	20.0000
Dichlorodifluoromethane	UG/L	4916F	11/14/1991	36.0000	10.0000
Dichlorodifluoromethane	UG/L	4916F	5/12/1992	39.0000	10.0000
Dichlorodifluoromethane	UG/L	4916F	8/07/1992	19.0000	10.0000
Dichlorodifluoromethane	UG/L	4916F	9/14/1992	20.0000	10.0000
Dichlorodifluoromethane	UG/L	4916F	11/19/1992	24.0000	10.0000
Dichlorodifluoromethane	UG/L	4916F	2/03/1993	18.0000	10.0000
Dichlorodifluoromethane	UG/L	4916F	5/27/1993	29.0000	10.0000
Dichlorodifluoromethane	UG/L	4916F	8/17/1993	20.0000	10.0000

Detections are shown for constituents selected in the VOC list and all selected wells
The Limit column refers to the laboratory reporting limit

Table 1

Historical Volatile Organic Compound Detections

Constituent	Units	Well	Date	Result	Limit
Dichlorodifluoromethane	UG/L	4916F	11/17/1993	20.0000	10.0000
Dichlorodifluoromethane	UG/L	4916F	2/25/1994	13.0000	10.0000
Dichlorodifluoromethane	UG/L	4916F	4/20/1994	18.0000	10.0000
Dichlorodifluoromethane	UG/L	4916F	5/12/1994	10.0000	10.0000
Dichlorodifluoromethane	UG/L	4916F	8/10/1994	11.0000	10.0000
Dichlorodifluoromethane	UG/L	4916F	11/08/1994	10.0000	10.0000
Methylene chloride	UG/L	4916F	5/14/1991	67.0000	5.6000
Methylene chloride	UG/L	4916F	8/15/1991	78.0000	5.6000
Methylene chloride	UG/L	4916F	11/14/1991	10.0000	2.8000
Methylene chloride	UG/L	4916F	2/13/1992	4.0000	2.8000
Methylene chloride	UG/L	4916F	5/12/1992	9.0000	2.8000
Methylene chloride	UG/L	4916F	2/03/1993	3.0000	2.8000
Methylene chloride	UG/L	4916F	5/03/2000	8.5000	5.0000
Tetrachloroethene	UG/L	4916F	5/14/1991	14.0000	8.2000
Tetrachloroethene	UG/L	4916F	8/15/1991	17.0000	8.2000
Tetrachloroethene	UG/L	4916F	11/14/1991	16.0000	4.1000
Tetrachloroethene	UG/L	4916F	2/13/1992	7.0000	4.0000
Tetrachloroethene	UG/L	4916F	5/12/1992	9.0000	4.0000
Tetrachloroethene	UG/L	4916F	8/07/1992	7.0000	4.0000
Tetrachloroethene	UG/L	4916F	9/14/1992	7.0000	4.0000
Tetrachloroethene	UG/L	4916F	11/19/1992	9.0000	4.0000
Tetrachloroethene	UG/L	4916F	2/03/1993	8.0000	4.0000
Tetrachloroethene	UG/L	4916F	5/27/1993	5.0000	4.0000
Tetrachloroethene	UG/L	4916F	8/17/1993	7.0000	4.0000
Tetrachloroethene	UG/L	4916F	11/17/1993	9.0000	4.0000
Tetrachloroethene	UG/L	4916F	2/25/1994	10.0000	4.0000
Tetrachloroethene	UG/L	4916F	4/20/1994	10.0000	4.0000
Tetrachloroethene	UG/L	4916F	5/12/1994	5.8000	4.0000
Tetrachloroethene	UG/L	4916F	8/10/1994	7.0000	5.0000
Tetrachloroethene	UG/L	4916F	11/08/1994	15.0000	5.0000
Tetrachloroethene	UG/L	4916F	2/02/1995	15.0000	5.0000
Tetrachloroethene	UG/L	4916F	11/02/1995	6.0000	5.0000
Tetrachloroethene	UG/L	4916F	2/05/1996	8.0000	5.0000
Tetrachloroethene	UG/L	4916F	5/14/1996	5.0000	5.0000
Tetrachloroethene	UG/L	4916F	11/05/1996	5.0000	5.0000
Tetrachloroethene	UG/L	4916F	8/20/1999	6.0000	5.0000
Trichloroethene	UG/L	4916F	5/14/1991	12.0000	3.8000
Trichloroethene	UG/L	4916F	8/15/1991	10.0000	3.8000
Trichloroethene	UG/L	4916F	11/14/1991	9.0000	1.9000
Trichloroethene	UG/L	4916F	2/13/1992	4.0000	1.9000
Trichloroethene	UG/L	4916F	5/12/1992	4.0000	1.9000
Trichloroethene	UG/L	4916F	8/07/1992	3.0000	1.9000
Trichloroethene	UG/L	4916F	9/14/1992	3.0000	1.9000
Trichloroethene	UG/L	4916F	11/19/1992	4.0000	1.9000
Trichloroethene	UG/L	4916F	2/03/1993	4.0000	1.9000
Trichloroethene	UG/L	4916F	8/17/1993	2.0000	1.9000
Trichloroethene	UG/L	4916F	11/17/1993	3.0000	1.9000
Trichloroethene	UG/L	4916F	2/25/1994	4.0000	1.9000
Trichloroethene	UG/L	4916F	4/20/1994	4.0000	1.9000
Trichloroethene	UG/L	4916F	5/12/1994	2.4000	1.9000
Trichloroethene	UG/L	4916F	11/08/1994	5.0000	5.0000
Trichloroethene	UG/L	4916F	2/02/1995	5.0000	5.0000
Trichlorofluoromethane	UG/L	4916F	5/14/1991	12.0000	10.0000
Vinyl chloride	UG/L	4916F	3/09/2001	1.0000	1.0000
Vinyl chloride	UG/L	4916F	6/06/2001	2.3000	1.0000
Vinyl chloride	UG/L	4916F	8/16/2001	6.4000	1.0000
Vinyl chloride	UG/L	4916F	12/04/2001	1.5000	1.0000
Vinyl chloride	UG/L	4916F	12/04/2001	1.5000	1.0000
Vinyl chloride	UG/L	4916F	2/19/2002	2.0000	1.0000
Vinyl chloride	UG/L	4916F	9/11/2003	6.0000	1.0000
Vinyl chloride	UG/L	4916F	11/20/2003	3.5000	1.0000
Vinyl chloride	UG/L	4916F	3/01/2004	3.5000	1.0000
1,1,1-trichloroethane	UG/L	4916G	5/15/1991	4.0000	3.8000
1,1-dichloroethane	UG/L	4916G	8/08/1995	12.0000	5.0000
1,1-dichloroethene	UG/L	4916G	7/25/2000	4.0000	1.0000

Detections are shown for constituents selected in the VOC list and all selected wells
The Limit column refers to the laboratory reporting limit

Table 1

Historical Volatile Organic Compound Detections

Constituent	Units	Well	Date	Result	Limit
Chloromethane	UG/L	4916G	8/14/1991	33.0000	13.0000
Dichlorodifluoromethane	UG/L	4916G	2/13/1991	14.0000	10.0000
Dichlorodifluoromethane	UG/L	4916G	5/15/1991	30.0000	10.0000
Dichlorodifluoromethane	UG/L	4916G	8/14/1991	46.0000	13.0000
Dichlorodifluoromethane	UG/L	4916G	11/07/1991	19.0000	10.0000
Dichlorodifluoromethane	UG/L	4916G	2/28/1992	12.0000	10.0000
Dichlorodifluoromethane	UG/L	4916G	5/26/1992	10.0000	10.0000
Dichlorodifluoromethane	UG/L	4916G	8/08/1995	11.0000	10.0000
Tetrachloroethene	UG/L	4916G	5/15/1991	13.0000	4.1000
Tetrachloroethene	UG/L	4916G	8/14/1991	7.0000	5.1300
Tetrachloroethene	UG/L	4916G	5/26/1992	12.0000	4.0000
Tetrachloroethene	UG/L	4916G	8/06/1992	4.0000	4.0000
Tetrachloroethene	UG/L	4916G	8/08/1995	6.0000	5.0000
Trichloroethene	UG/L	4916G	5/15/1991	2.0000	1.9000
Vinyl chloride	UG/L	4916G	8/08/1995	2.0000	.5000
1,1,1-trichloroethane	UG/L	4916H	5/16/1991	5.0000	3.8000
1,1,1-trichloroethane	UG/L	4916H	10/28/1991	4.0000	3.8000
1,1,1-trichloroethane	UG/L	4916H	5/27/1993	4.0000	3.8000
1,1,1-trichloroethane	UG/L	4916H	2/25/1994	4.0000	3.8000
1,1,1-trichloroethane	UG/L	4916H	11/09/1994	5.0000	5.0000
1,1-dichloroethane	UG/L	4916H	2/13/1991	7.0000	5.0000
1,1-dichloroethane	UG/L	4916H	4/26/1991	6.0000	5.0000
1,1-dichloroethane	UG/L	4916H	5/16/1991	27.0000	5.0000
1,1-dichloroethane	UG/L	4916H	7/12/1991	20.0000	5.0000
1,1-dichloroethane	UG/L	4916H	7/19/1991	45.0000	5.0000
1,1-dichloroethane	UG/L	4916H	7/29/1991	36.0000	20.0000
1,1-dichloroethane	UG/L	4916H	8/15/1991	24.0000	8.0000
1,1-dichloroethane	UG/L	4916H	8/15/1991	22.0000	8.0000
1,1-dichloroethane	UG/L	4916H	10/28/1991	10.0000	5.0000
1,1-dichloroethane	UG/L	4916H	10/28/1991	13.0000	5.0000
1,1-dichloroethane	UG/L	4916H	6/05/1992	11.0000	5.0000
1,1-dichloroethane	UG/L	4916H	8/07/1992	9.0000	5.0000
1,1-dichloroethane	UG/L	4916H	9/14/1992	9.0000	5.0000
1,1-dichloroethane	UG/L	4916H	12/09/1992	5.0000	5.0000
1,1-dichloroethane	UG/L	4916H	2/03/1993	11.0000	5.0000
1,1-dichloroethane	UG/L	4916H	5/27/1993	5.0000	5.0000
1,1-dichloroethane	UG/L	4916H	8/17/1993	5.0000	5.0000
1,1-dichloroethane	UG/L	4916H	11/17/1993	10.0000	5.0000
1,1-dichloroethane	UG/L	4916H	2/25/1994	25.0000	5.0000
1,1-dichloroethane	UG/L	4916H	5/12/1994	19.0000	5.0000
1,1-dichloroethane	UG/L	4916H	8/10/1994	10.0000	5.0000
1,1-dichloroethane	UG/L	4916H	11/09/1994	10.0000	5.0000
1,1-dichloroethane	UG/L	4916H	2/02/1995	10.0000	5.0000
1,1-dichloroethane	UG/L	4916H	8/07/1995	5.0000	5.0000
1,1-dichloroethane	UG/L	4916H	11/02/1995	7.0000	5.0000
1,1-dichloroethane	UG/L	4916H	2/05/1996	9.0000	5.0000
1,1-dichloroethene	UG/L	4916H	7/19/1991	3.0000	2.8000
1,1-dichloroethene	UG/L	4916H	8/07/1995	8.0000	5.0000
1,1-dichloroethene	UG/L	4916H	11/22/1999	1.2000	1.0000
1,1-dichloroethene	UG/L	4916H	7/25/2000	1.2000	1.0000
Benzene	UG/L	4916H	9/11/2003	1.6000	1.0000
Bis(2-ethylhexyl)phthalate	UG/L	4916H	3/01/2004	13.0000	10.0000
Chloroform	UG/L	4916H	10/28/1991	2.0000	1.6000
Chloroform	UG/L	4916H	10/28/1991	2.0000	1.6000
Chloromethane	UG/L	4916H	5/16/1991	15.0000	10.0000
Chloromethane	UG/L	4916H	8/15/1991	25.0000	15.0000
Chloromethane	UG/L	4916H	11/17/1993	10.0000	10.0000
Dichlorodifluoromethane	UG/L	4916H	2/13/1991	30.0000	10.0000
Dichlorodifluoromethane	UG/L	4916H	4/22/1991	21.0000	10.0000
Dichlorodifluoromethane	UG/L	4916H	4/26/1991	27.0000	10.0000
Dichlorodifluoromethane	UG/L	4916H	5/16/1991	35.0000	10.0000
Dichlorodifluoromethane	UG/L	4916H	7/12/1991	19.0000	10.0000
Dichlorodifluoromethane	UG/L	4916H	7/19/1991	78.0000	10.0000
Dichlorodifluoromethane	UG/L	4916H	8/15/1991	47.0000	15.0000
Dichlorodifluoromethane	UG/L	4916H	8/15/1991	42.0000	15.0000

Detections are shown for constituents selected in the VOC list and all selected wells
The Limit column refers to the laboratory reporting limit

Table 1

Historical Volatile Organic Compound Detections

Constituent	Units	Well	Date	Result	Limit
Dichlorodifluoromethane	UG/L	4916H	10/28/1991	28.0000	10.0000
Dichlorodifluoromethane	UG/L	4916H	10/28/1991	32.0000	10.0000
Dichlorodifluoromethane	UG/L	4916H	11/08/1991	21.0000	15.0000
Dichlorodifluoromethane	UG/L	4916H	2/13/1992	28.0000	10.0000
Dichlorodifluoromethane	UG/L	4916H	6/05/1992	30.0000	10.0000
Dichlorodifluoromethane	UG/L	4916H	8/07/1992	35.0000	10.0000
Dichlorodifluoromethane	UG/L	4916H	9/14/1992	26.0000	10.0000
Dichlorodifluoromethane	UG/L	4916H	12/09/1992	10.0000	10.0000
Dichlorodifluoromethane	UG/L	4916H	2/03/1993	21.0000	10.0000
Dichlorodifluoromethane	UG/L	4916H	5/27/1993	28.0000	10.0000
Dichlorodifluoromethane	UG/L	4916H	8/17/1993	35.0000	10.0000
Dichlorodifluoromethane	UG/L	4916H	11/17/1993	34.0000	10.0000
Dichlorodifluoromethane	UG/L	4916H	2/25/1994	21.0000	10.0000
Dichlorodifluoromethane	UG/L	4916H	5/12/1994	22.0000	10.0000
Dichlorodifluoromethane	UG/L	4916H	8/10/1994	26.0000	10.0000
Dichlorodifluoromethane	UG/L	4916H	11/09/1994	20.0000	10.0000
Dichlorodifluoromethane	UG/L	4916H	5/03/1995	17.0000	10.0000
Dichlorodifluoromethane	UG/L	4916H	8/07/1995	16.0000	10.0000
Dichlorodifluoromethane	UG/L	4916H	11/02/1995	12.0000	10.0000
Dichlorodifluoromethane	UG/L	4916H	2/05/1996	11.0000	10.0000
Methylene chloride	UG/L	4916H	2/13/1991	8.0000	2.8000
Methylene chloride	UG/L	4916H	4/22/1991	3.0000	2.8000
Methylene chloride	UG/L	4916H	4/26/1991	6.0000	2.8000
Methylene chloride	UG/L	4916H	5/16/1991	50.0000	2.8000
Methylene chloride	UG/L	4916H	7/12/1991	39.0000	2.8000
Methylene chloride	UG/L	4916H	7/19/1991	140.0000	2.8000
Methylene chloride	UG/L	4916H	7/29/1991	81.0000	11.2000
Methylene chloride	UG/L	4916H	8/15/1991	46.0000	4.2000
Methylene chloride	UG/L	4916H	8/15/1991	49.0000	4.2000
Methylene chloride	UG/L	4916H	10/28/1991	11.0000	2.8000
Methylene chloride	UG/L	4916H	10/28/1991	16.0000	2.8000
Methylene chloride	UG/L	4916H	11/08/1991	7.0000	4.2300
Methylene chloride	UG/L	4916H	2/13/1992	3.0000	2.8000
Methylene chloride	UG/L	4916H	2/03/1993	3.0000	2.8000
Tetrachloroethene	UG/L	4916H	2/13/1991	8.0000	4.1000
Tetrachloroethene	UG/L	4916H	4/22/1991	6.0000	4.1000
Tetrachloroethene	UG/L	4916H	4/26/1991	6.0000	4.1000
Tetrachloroethene	UG/L	4916H	5/16/1991	12.0000	4.1000
Tetrachloroethene	UG/L	4916H	7/12/1991	6.0000	4.1000
Tetrachloroethene	UG/L	4916H	7/19/1991	20.0000	4.1000
Tetrachloroethene	UG/L	4916H	8/15/1991	16.0000	6.1500
Tetrachloroethene	UG/L	4916H	8/15/1991	14.0000	6.1500
Tetrachloroethene	UG/L	4916H	10/28/1991	15.0000	4.1000
Tetrachloroethene	UG/L	4916H	10/28/1991	17.0000	4.1000
Tetrachloroethene	UG/L	4916H	2/13/1992	7.0000	4.0000
Tetrachloroethene	UG/L	4916H	6/05/1992	6.0000	4.0000
Tetrachloroethene	UG/L	4916H	8/07/1992	7.0000	4.0000
Tetrachloroethene	UG/L	4916H	9/14/1992	8.0000	4.0000
Tetrachloroethene	UG/L	4916H	12/09/1992	6.0000	4.0000
Tetrachloroethene	UG/L	4916H	2/03/1993	10.0000	4.0000
Tetrachloroethene	UG/L	4916H	5/27/1993	7.0000	4.0000
Tetrachloroethene	UG/L	4916H	8/17/1993	7.0000	4.0000
Tetrachloroethene	UG/L	4916H	11/17/1993	14.0000	4.0000
Tetrachloroethene	UG/L	4916H	2/25/1994	20.0000	4.0000
Tetrachloroethene	UG/L	4916H	5/12/1994	25.0000	4.0000
Tetrachloroethene	UG/L	4916H	8/10/1994	19.0000	5.0000
Tetrachloroethene	UG/L	4916H	11/09/1994	23.0000	5.0000
Tetrachloroethene	UG/L	4916H	2/02/1995	23.0000	5.0000
Tetrachloroethene	UG/L	4916H	5/03/1995	11.0000	5.0000
Tetrachloroethene	UG/L	4916H	8/07/1995	12.0000	5.0000
Tetrachloroethene	UG/L	4916H	11/02/1995	13.0000	5.0000
Tetrachloroethene	UG/L	4916H	2/05/1996	15.0000	5.0000
Tetrachloroethene	UG/L	4916H	5/14/1996	8.0000	5.0000
Trichloroethene	UG/L	4916H	2/13/1991	3.0000	1.9000
Trichloroethene	UG/L	4916H	4/22/1991	2.0000	1.9000

Detections are shown for constituents selected in the VOC list and all selected wells
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Table 1

Historical Volatile Organic Compound Detections

Constituent	Units	Well	Date	Result	Limit
Trichloroethene	UG/L	4916H	4/26/1991	3.0000	1.9000
Trichloroethene	UG/L	4916H	5/16/1991	7.0000	1.9000
Trichloroethene	UG/L	4916H	7/12/1991	5.0000	1.9000
Trichloroethene	UG/L	4916H	7/19/1991	14.0000	1.9000
Trichloroethene	UG/L	4916H	7/29/1991	8.0000	7.6000
Trichloroethene	UG/L	4916H	8/15/1991	6.0000	2.8500
Trichloroethene	UG/L	4916H	8/15/1991	6.0000	2.8500
Trichloroethene	UG/L	4916H	10/28/1991	7.0000	1.9000
Trichloroethene	UG/L	4916H	10/28/1991	9.0000	1.9000
Trichloroethene	UG/L	4916H	11/08/1991	4.0000	2.8700
Trichloroethene	UG/L	4916H	2/13/1992	4.0000	1.9000
Trichloroethene	UG/L	4916H	6/05/1992	2.0000	1.9000
Trichloroethene	UG/L	4916H	8/07/1992	3.0000	1.9000
Trichloroethene	UG/L	4916H	9/14/1992	4.0000	1.9000
Trichloroethene	UG/L	4916H	12/09/1992	2.0000	1.9000
Trichloroethene	UG/L	4916H	2/03/1993	4.0000	1.9000
Trichloroethene	UG/L	4916H	5/27/1993	2.0000	1.9000
Trichloroethene	UG/L	4916H	8/17/1993	2.0000	1.9000
Trichloroethene	UG/L	4916H	11/17/1993	3.0000	1.9000
Trichloroethene	UG/L	4916H	2/25/1994	7.0000	1.9000
Trichloroethene	UG/L	4916H	5/12/1994	6.5000	1.9000
Trichloroethene	UG/L	4916H	8/10/1994	5.0000	5.0000
Trichloroethene	UG/L	4916H	11/09/1994	8.0000	5.0000
Trichloroethene	UG/L	4916H	2/02/1995	7.0000	5.0000
Trichlorofluoromethane	UG/L	4916H	5/27/1993	12.0000	10.0000
Vinyl chloride	UG/L	4916H	2/03/1993	2.0000	2.0000
Vinyl chloride	UG/L	4916H	6/06/2001	3.0000	1.0000
Vinyl chloride	UG/L	4916H	8/16/2001	4.6000	1.0000
Vinyl chloride	UG/L	4916H	12/04/2001	1.3000	1.0000
Vinyl chloride	UG/L	4916H	12/04/2001	1.3000	1.0000
Vinyl chloride	UG/L	4916H	2/19/2002	1.4000	1.0000
Vinyl chloride	UG/L	4916H	8/06/2002	1.6000	1.0000
Vinyl chloride	UG/L	4916H	9/11/2003	5.7000	1.0000
Vinyl chloride	UG/L	4916H	11/20/2003	3.3000	1.0000
Vinyl chloride	UG/L	4916H	3/01/2004	2.6000	1.0000
1,1,1-trichloroethane	UG/L	4916J	11/19/1992	5.0000	3.8000
1,1-dichloroethane	UG/L	4916J	7/10/1992	5.0000	5.0000
1,1-dichloroethane	UG/L	4916J	8/07/1992	8.0000	5.0000
1,1-dichloroethane	UG/L	4916J	9/11/1992	14.0000	5.0000
1,1-dichloroethane	UG/L	4916J	11/19/1992	10.0000	5.0000
1,1-dichloroethane	UG/L	4916J	2/02/1993	7.0000	5.0000
1,1-dichloroethane	UG/L	4916J	8/18/1993	5.0000	5.0000
1,1-dichloroethane	UG/L	4916J	11/17/1993	8.0000	5.0000
1,1-dichloroethane	UG/L	4916J	2/24/1994	15.0000	5.0000
1,1-dichloroethane	UG/L	4916J	5/12/1994	6.8000	5.0000
1,1-dichloroethane	UG/L	4916J	8/11/1994	6.0000	5.0000
1,1-dichloroethane	UG/L	4916J	11/09/1994	8.0000	5.0000
1,1-dichloroethane	UG/L	4916J	2/02/1995	5.0000	5.0000
1,1-dichloroethane	UG/L	4916J	2/06/1996	6.0000	5.0000
1,1-dichloroethane	UG/L	4916J	9/11/2003	6.4000	5.0000
Benzene	UG/L	4916J	11/19/2003	1.1000	1.0000
Chloromethane	UG/L	4916J	11/17/1993	11.0000	10.0000
Dichlorodifluoromethane	UG/L	4916J	2/13/1992	15.0000	10.0000
Dichlorodifluoromethane	UG/L	4916J	7/10/1992	26.0000	10.0000
Dichlorodifluoromethane	UG/L	4916J	8/07/1992	34.0000	10.0000
Dichlorodifluoromethane	UG/L	4916J	9/11/1992	19.0000	10.0000
Dichlorodifluoromethane	UG/L	4916J	11/19/1992	28.0000	10.0000
Dichlorodifluoromethane	UG/L	4916J	2/02/1993	25.0000	10.0000
Dichlorodifluoromethane	UG/L	4916J	5/27/1993	14.0000	10.0000
Dichlorodifluoromethane	UG/L	4916J	8/18/1993	28.0000	10.0000
Dichlorodifluoromethane	UG/L	4916J	11/17/1993	33.0000	10.0000
Dichlorodifluoromethane	UG/L	4916J	2/24/1994	23.0000	10.0000
Dichlorodifluoromethane	UG/L	4916J	5/12/1994	18.0000	10.0000
Dichlorodifluoromethane	UG/L	4916J	8/11/1994	27.0000	10.0000
Dichlorodifluoromethane	UG/L	4916J	11/09/1994	25.0000	10.0000

Detections are shown for constituents selected in the VOC list and all selected wells
The Limit column refers to the laboratory reporting limit

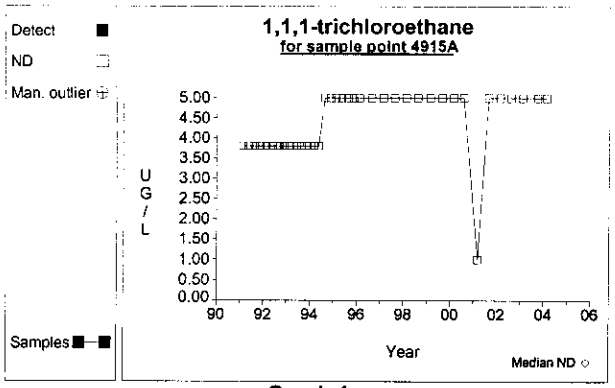
Table 1

Historical Volatile Organic Compound Detections

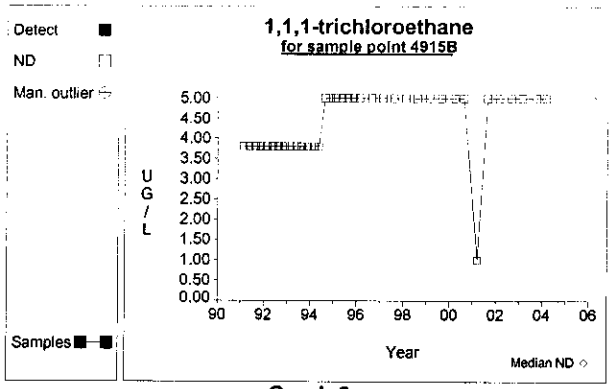
Constituent	Units	Well	Date	Result	Limit
Dichlorodifluoromethane	UG/L	4916J	8/08/1995	15.0000	10.0000
Dichlorodifluoromethane	UG/L	4916J	11/03/1995	10.0000	10.0000
Tetrachloroethene	UG/L	4916J	7/10/1992	6.0000	4.0000
Tetrachloroethene	UG/L	4916J	8/07/1992	6.0000	4.0000
Tetrachloroethene	UG/L	4916J	9/11/1992	7.0000	4.0000
Tetrachloroethene	UG/L	4916J	11/19/1992	8.0000	4.0000
Tetrachloroethene	UG/L	4916J	2/02/1993	9.0000	4.0000
Tetrachloroethene	UG/L	4916J	5/27/1993	4.0000	4.0000
Tetrachloroethene	UG/L	4916J	8/18/1993	7.0000	4.0000
Tetrachloroethene	UG/L	4916J	11/17/1993	12.0000	4.0000
Tetrachloroethene	UG/L	4916J	2/24/1994	15.0000	4.0000
Tetrachloroethene	UG/L	4916J	5/12/1994	15.0000	4.0000
Tetrachloroethene	UG/L	4916J	8/11/1994	13.0000	5.0000
Tetrachloroethene	UG/L	4916J	11/09/1994	17.0000	5.0000
Tetrachloroethene	UG/L	4916J	2/02/1995	11.0000	5.0000
Tetrachloroethene	UG/L	4916J	5/04/1995	5.0000	5.0000
Tetrachloroethene	UG/L	4916J	8/08/1995	5.0000	5.0000
Tetrachloroethene	UG/L	4916J	11/03/1995	8.0000	5.0000
Tetrachloroethene	UG/L	4916J	2/06/1996	9.0000	5.0000
Tetrachloroethene	UG/L	4916J	5/14/1996	5.0000	5.0000
Trichloroethene	UG/L	4916J	7/10/1992	3.0000	1.9000
Trichloroethene	UG/L	4916J	8/07/1992	3.0000	1.9000
Trichloroethene	UG/L	4916J	9/11/1992	3.0000	1.9000
Trichloroethene	UG/L	4916J	11/19/1992	4.0000	1.9000
Trichloroethene	UG/L	4916J	2/02/1993	4.0000	1.9000
Trichloroethene	UG/L	4916J	8/18/1993	2.0000	1.9000
Trichloroethene	UG/L	4916J	11/17/1993	3.0000	1.9000
Trichloroethene	UG/L	4916J	2/24/1994	6.0000	1.9000
Trichloroethene	UG/L	4916J	5/12/1994	4.6000	1.9000
Trichloroethene	UG/L	4916J	11/09/1994	6.0000	5.0000
Trichlorofluoromethane	UG/L	4916J	11/19/1992	11.0000	10.0000
Vinyl chloride	UG/L	4916J	6/12/2001	1.7000	1.0000
Vinyl chloride	UG/L	4916J	8/16/2001	1.1000	1.0000
Vinyl chloride	UG/L	4916J	12/04/2001	1.3000	1.0000
Vinyl chloride	UG/L	4916J	12/04/2001	1.3000	1.0000
Vinyl chloride	UG/L	4916J	2/19/2002	1.9000	1.0000
Vinyl chloride	UG/L	4916J	8/29/2002	1.0000	1.0000
Vinyl chloride	UG/L	4916J	9/11/2003	4.3000	1.0000
Vinyl chloride	UG/L	4916J	11/19/2003	3.5000	1.0000
Vinyl chloride	UG/L	4916J	3/04/2004	3.1000	1.0000
1,1,1-trichloroethane	UG/L	4926C	5/21/1991	8.0000	5.4300
1,1-dichloroethane	UG/L	4926C	2/28/1992	9.0000	5.0000
Benzene	UG/L	4926C	2/28/1992	7.0000	4.4000
Cis-1,2-dichloroethene	UG/L	4926C	4/17/2001	2.4000	1.0000
Dichlorodifluoromethane	UG/L	4926C	5/21/1991	44.0000	14.0000
Dichlorodifluoromethane	UG/L	4926C	8/13/1991	45.0000	15.0000
Dichlorodifluoromethane	UG/L	4926C	11/11/1991	33.0000	10.0000
Dichlorodifluoromethane	UG/L	4926C	5/26/1992	12.0000	10.0000
Tetrachloroethene	UG/L	4926C	5/21/1991	24.0000	5.8600
Tetrachloroethene	UG/L	4926C	8/13/1991	9.0000	6.1500
Tetrachloroethene	UG/L	4926C	4/17/2001	1.0000	1.0000
Trichloroethene	UG/L	4926C	2/28/1992	22.0000	1.9000

Detections are shown for constituents selected in the VOC list and all selected wells
The Limit column refers to the laboratory reporting limit

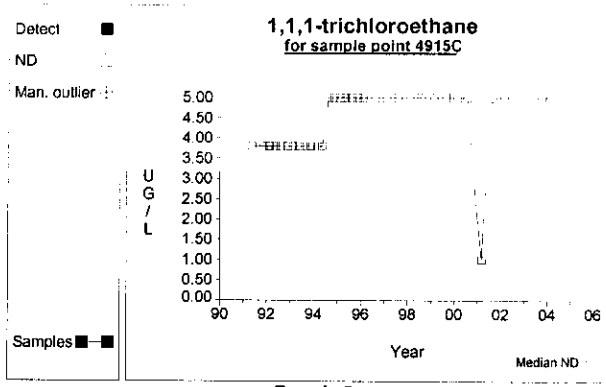
Time Series



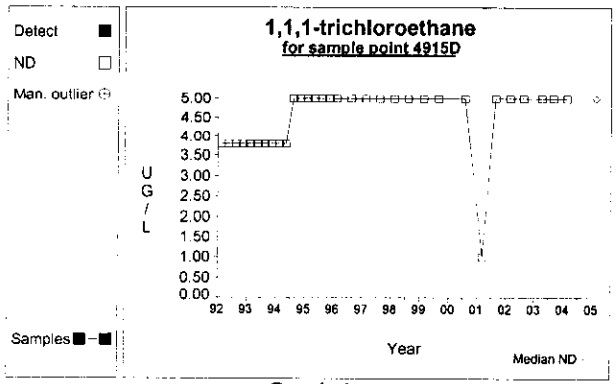
Graph 1



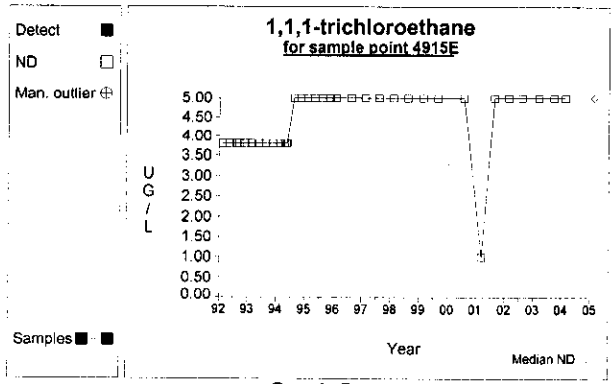
Graph 2



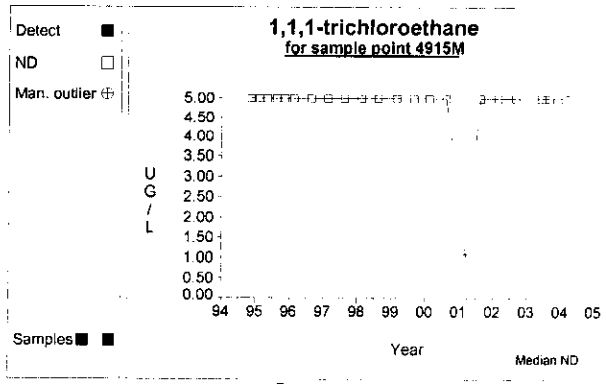
Graph 3



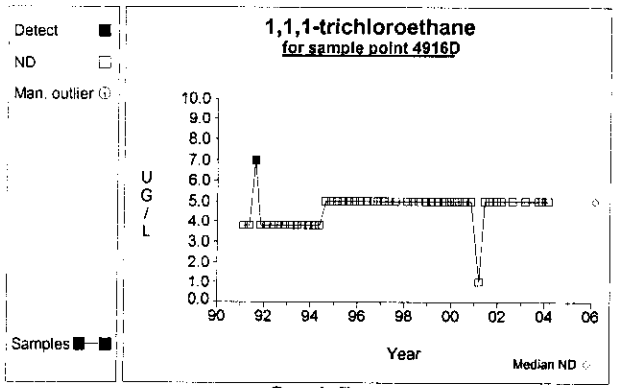
Graph 4



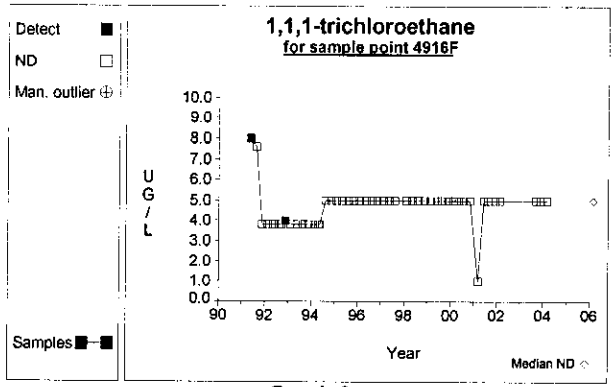
Graph 5



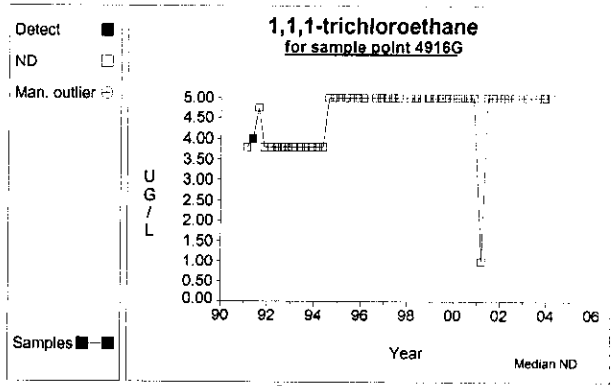
Graph 6



Graph 7

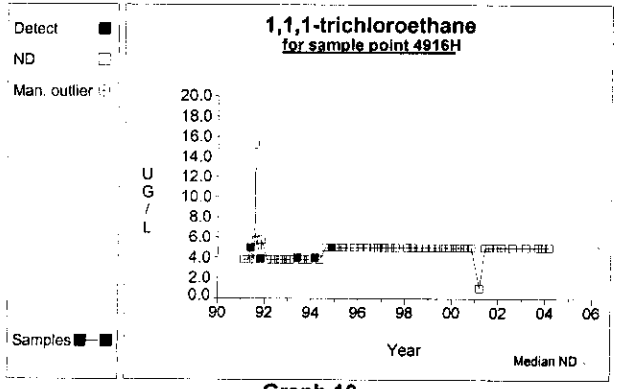


Graph 8

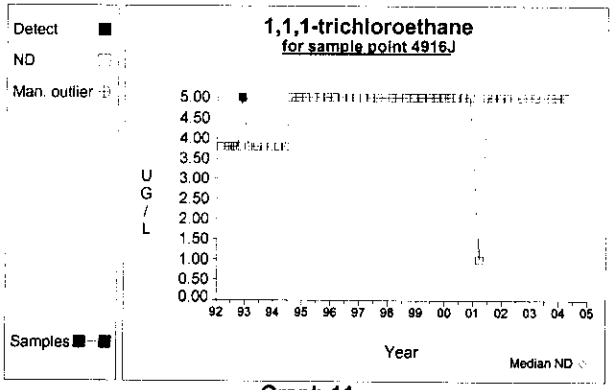


Graph 9

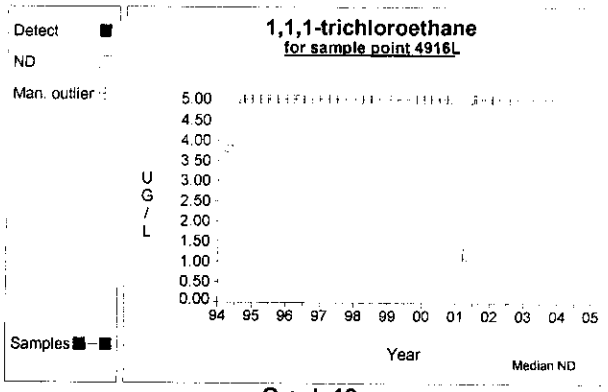
Time Series



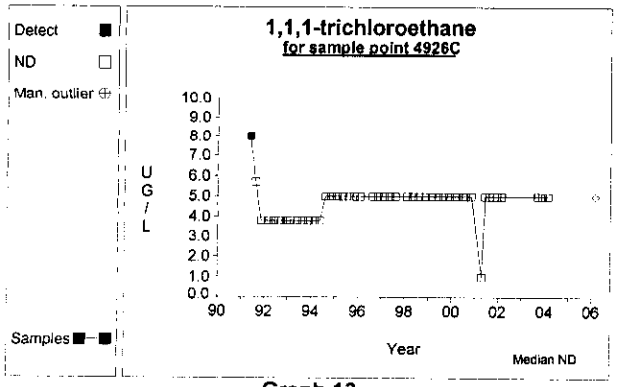
Graph 10



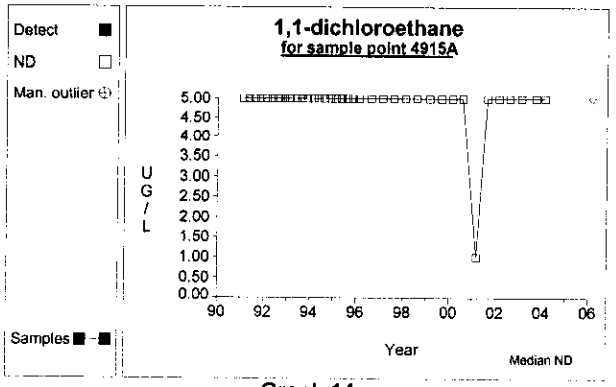
Graph 11



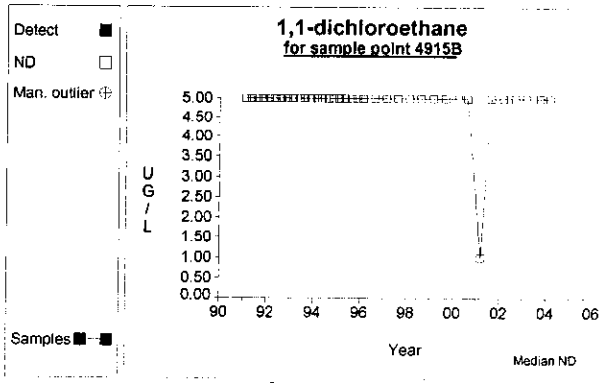
Graph 12



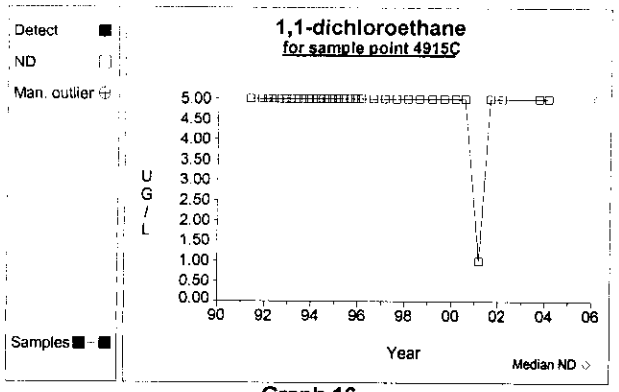
Graph 13



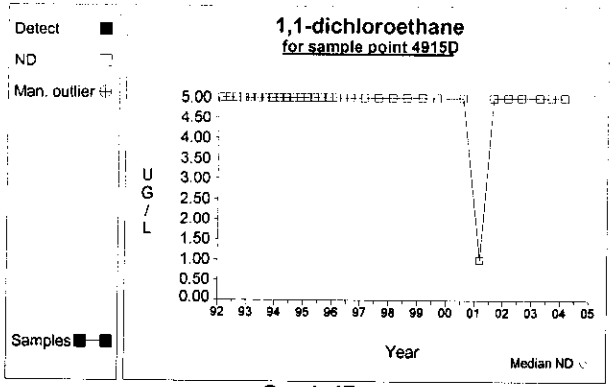
Graph 14



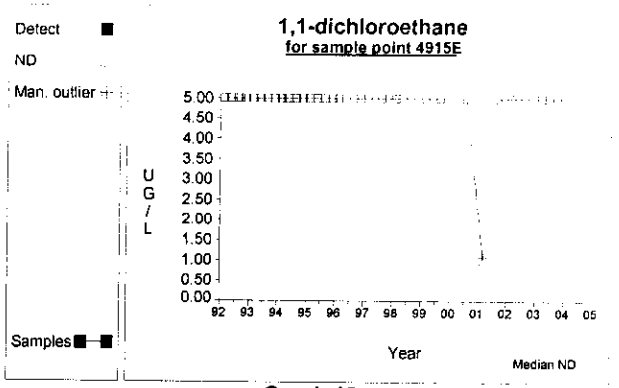
Graph 15



Graph 16

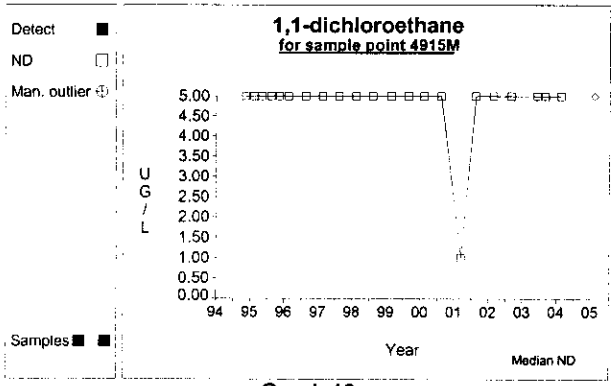


Graph 17

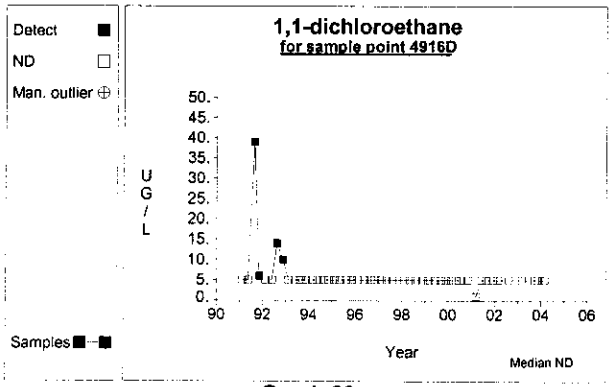


Graph 18

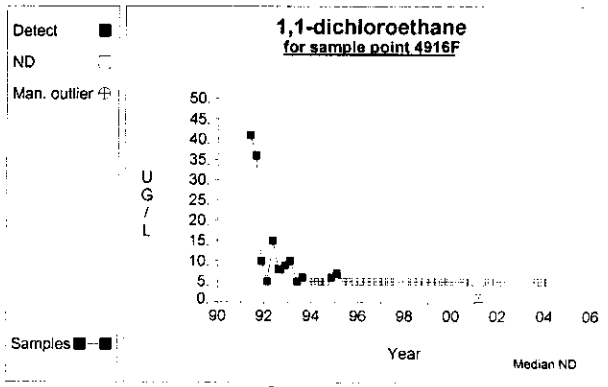
Time Series



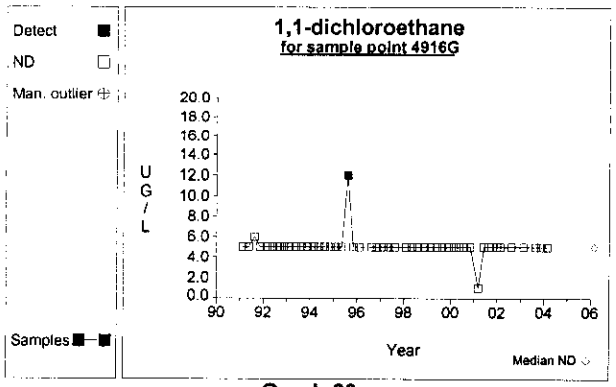
Graph 19



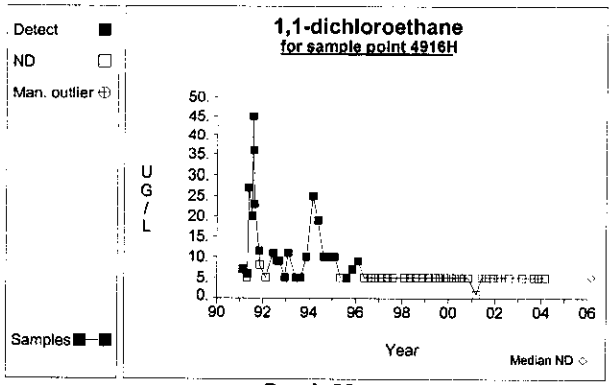
Graph 20



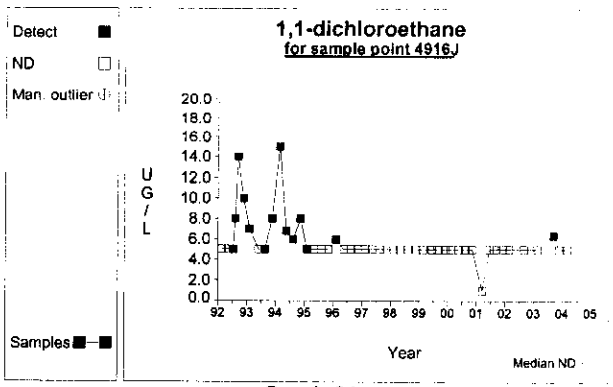
Graph 21



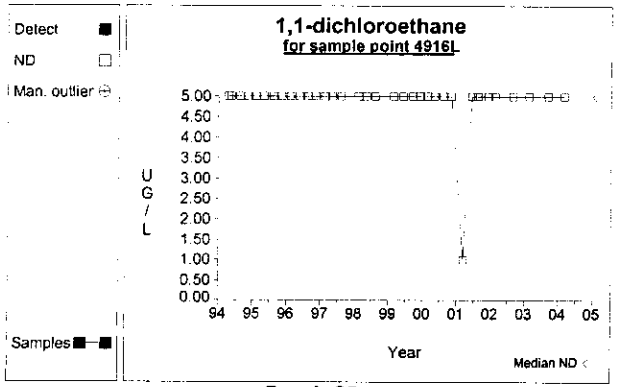
Graph 22



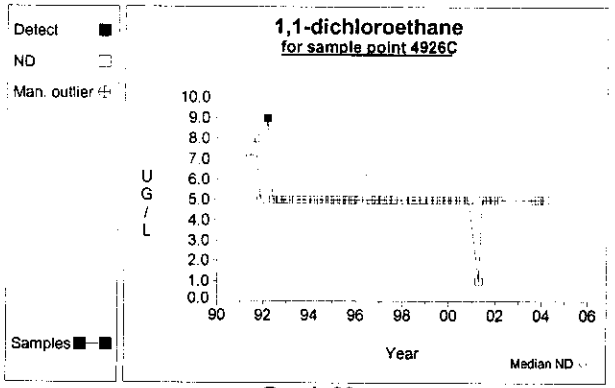
Graph 23



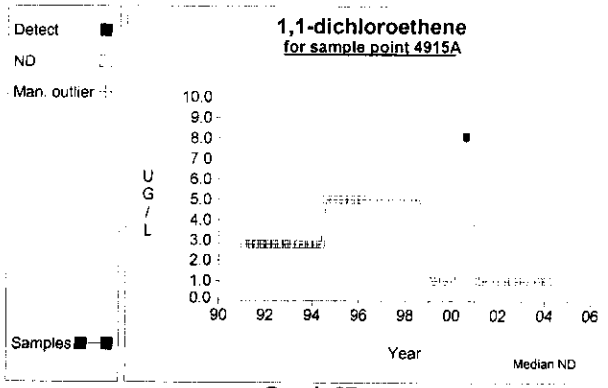
Graph 24



Graph 25

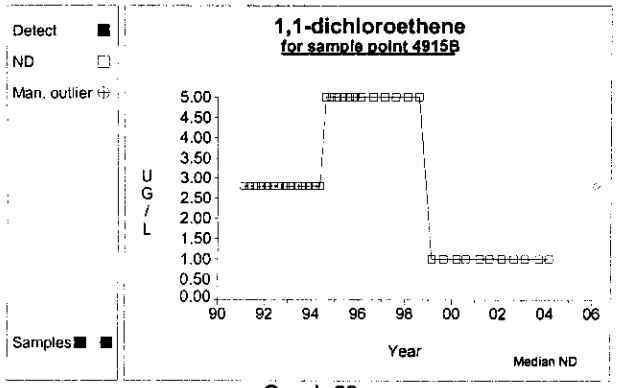


Graph 26

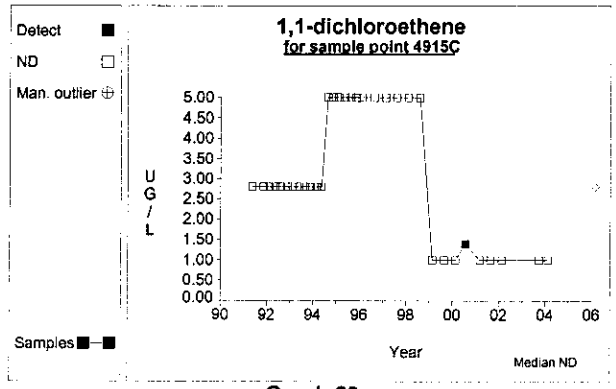


Graph 27

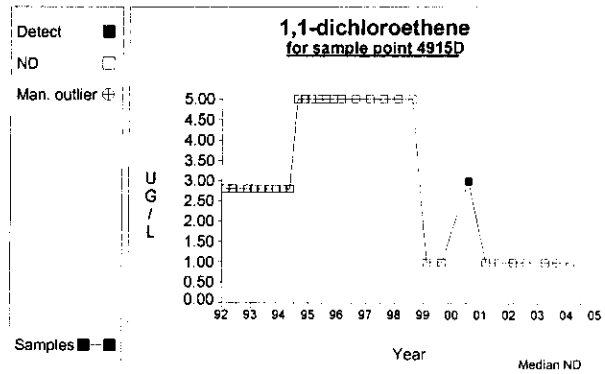
Time Series



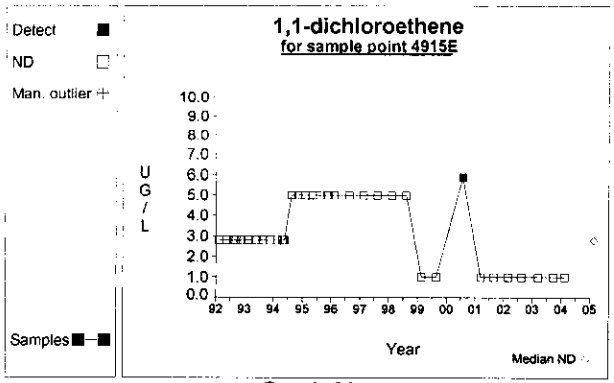
Graph 28



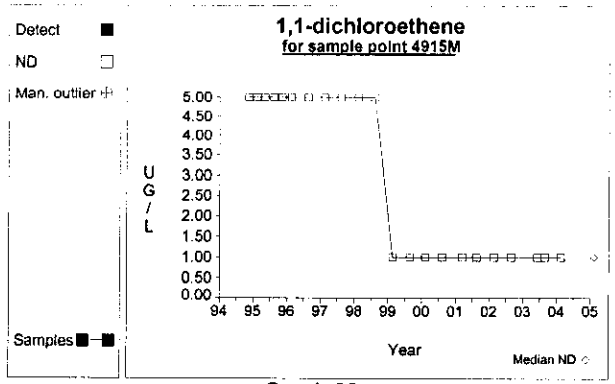
Graph 29



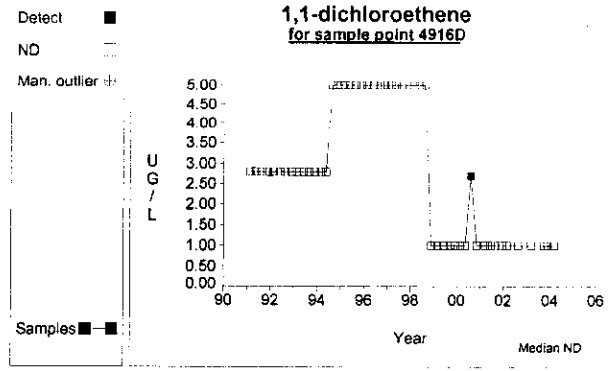
Graph 30



Graph 31



Graph 32



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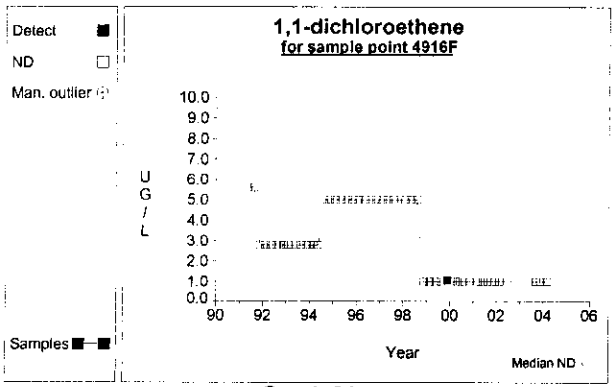
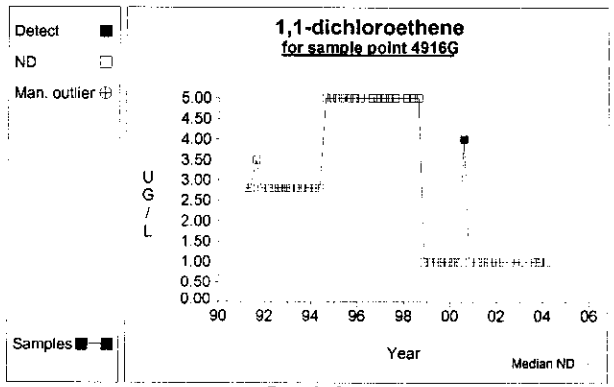
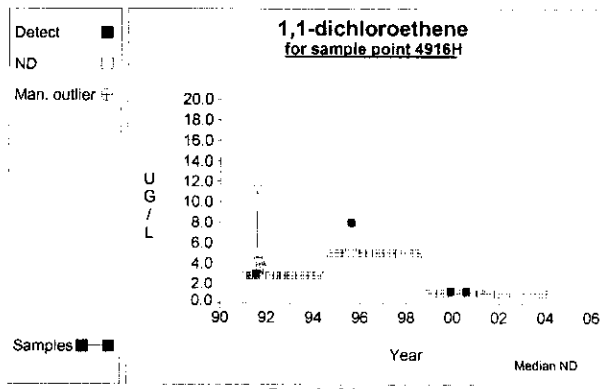


Graph 34

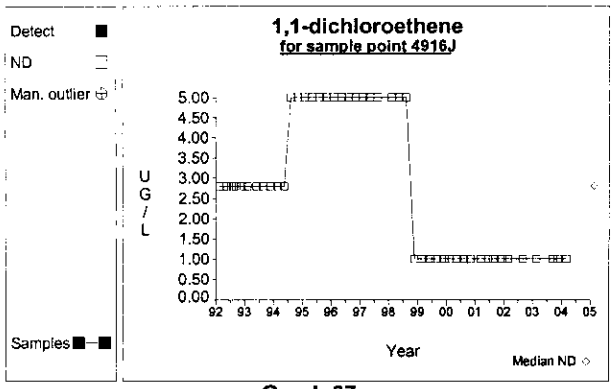


Graph 35

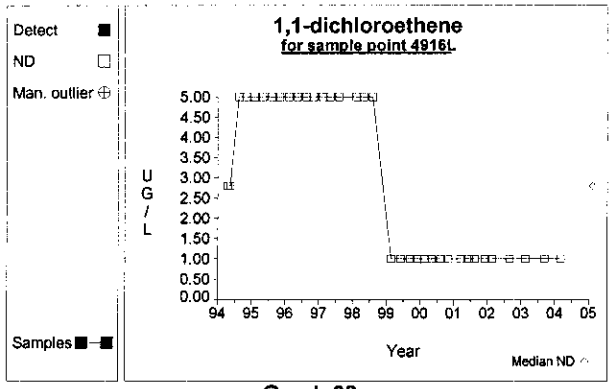


Graph 36

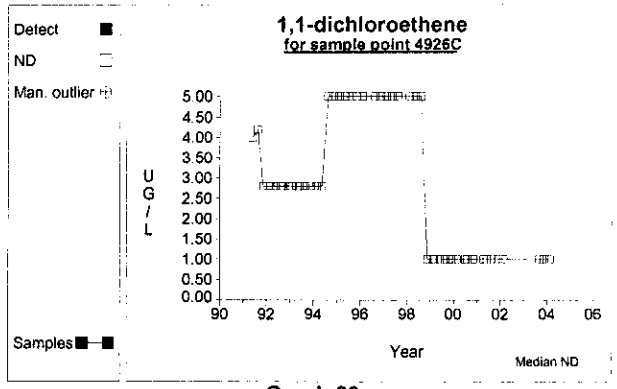
Time Series



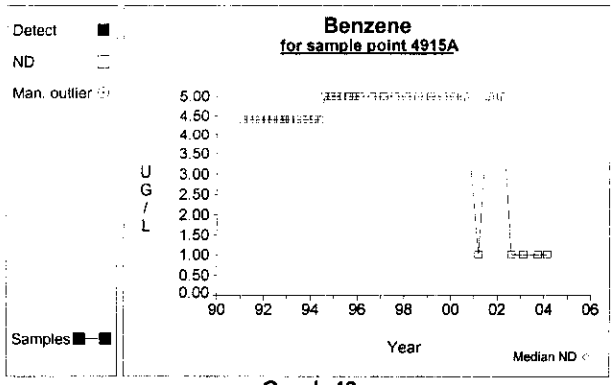
Graph 37



Graph 38



Graph 39



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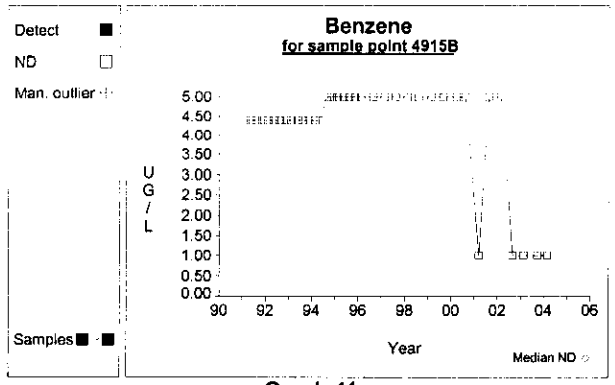
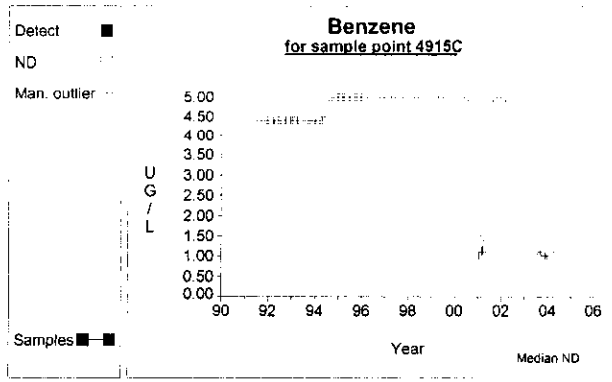
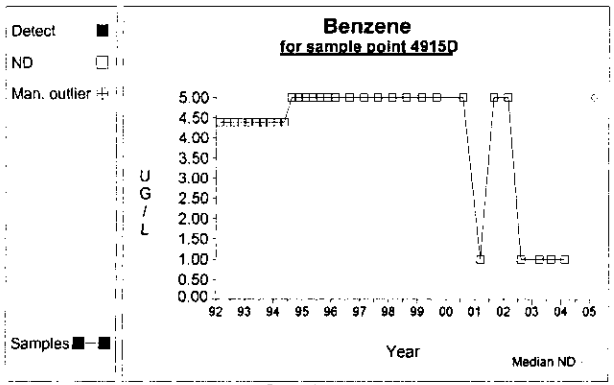


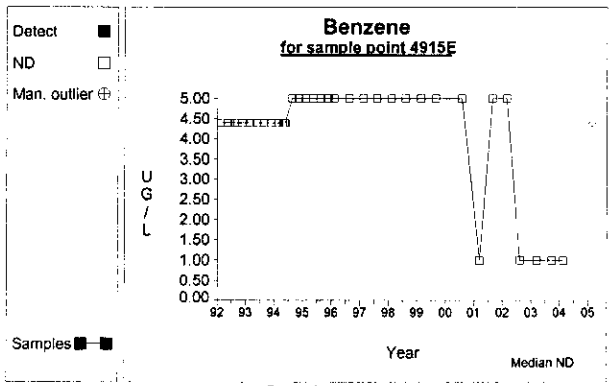
Graph 41



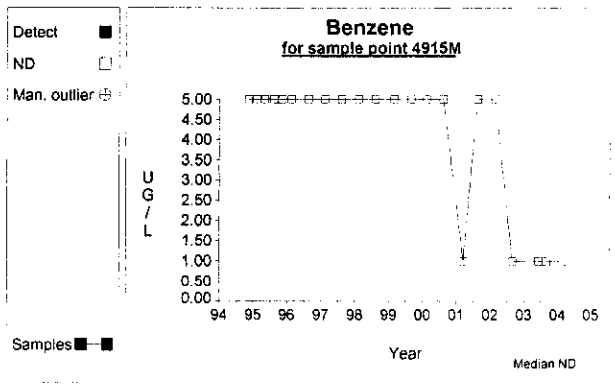
Graph 42



Graph 43

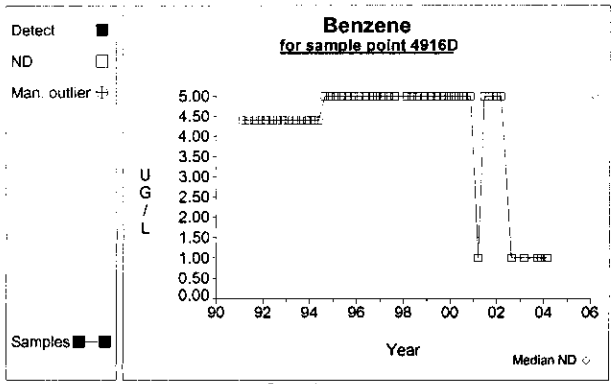


Graph 44

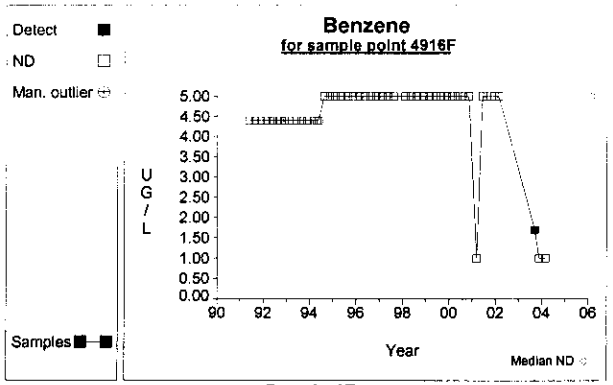


Graph 45

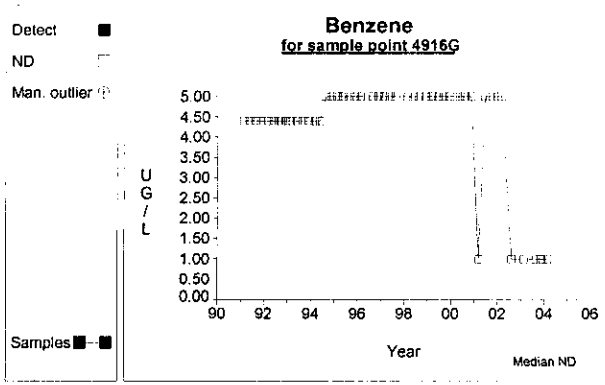
Time Series



Graph 46



Graph 47



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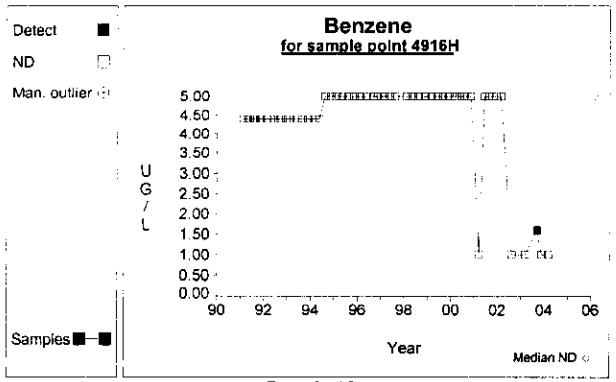
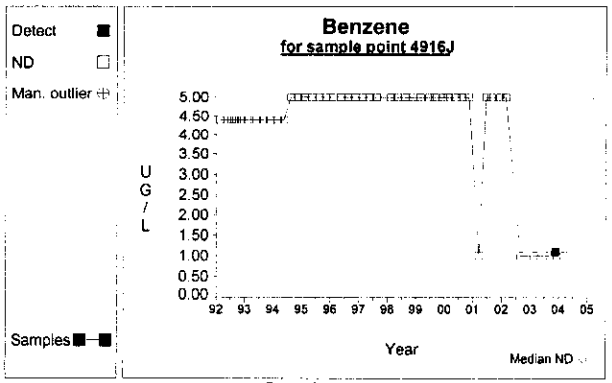
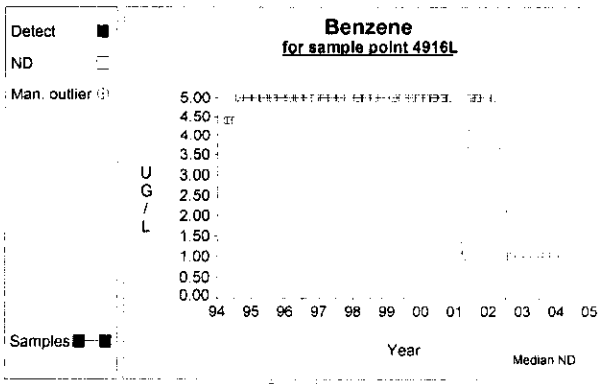


Graph 49



Graph 50



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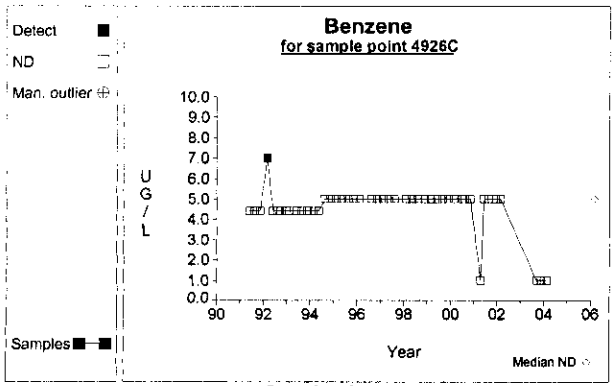
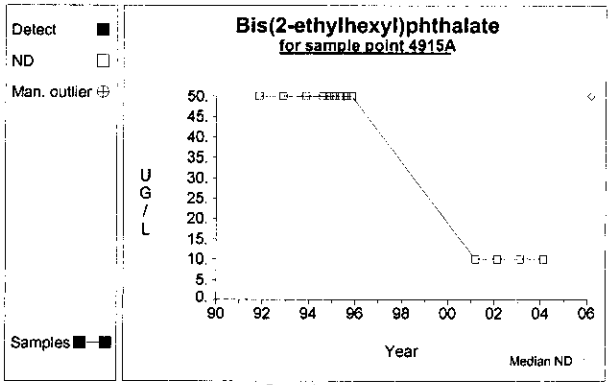
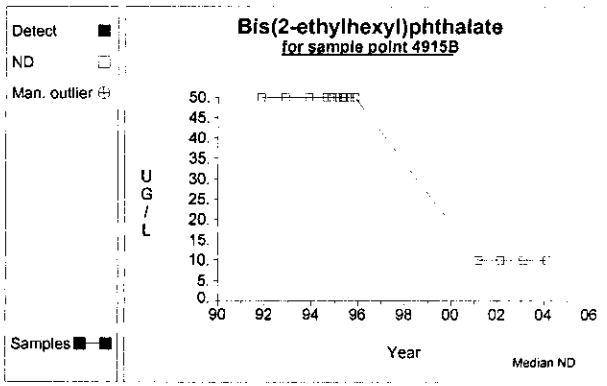


Graph 52

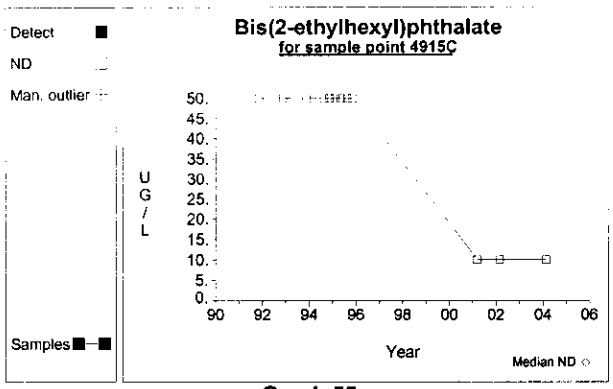


Graph 53

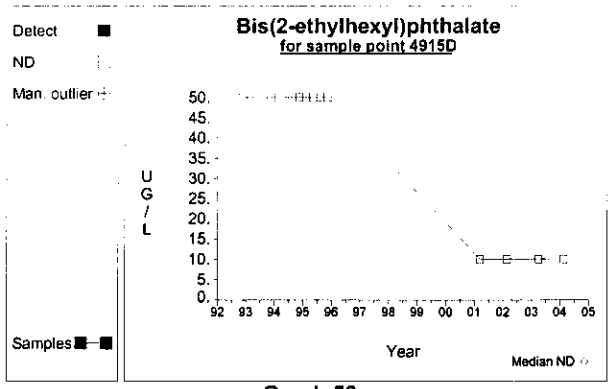


Graph 54

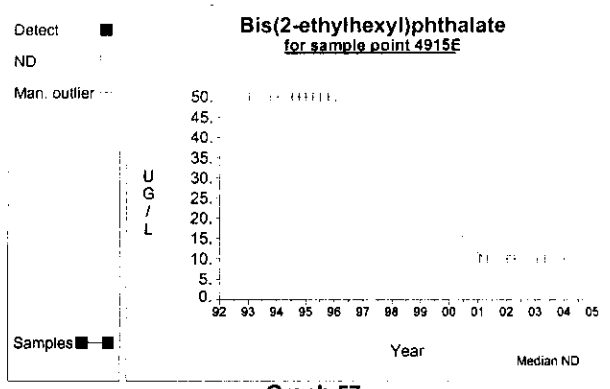
Time Series



Graph 55



Graph 56



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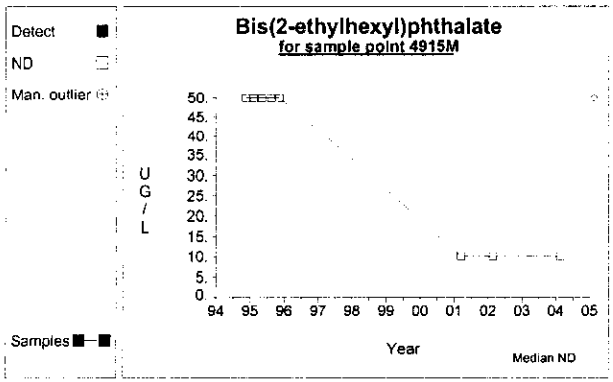
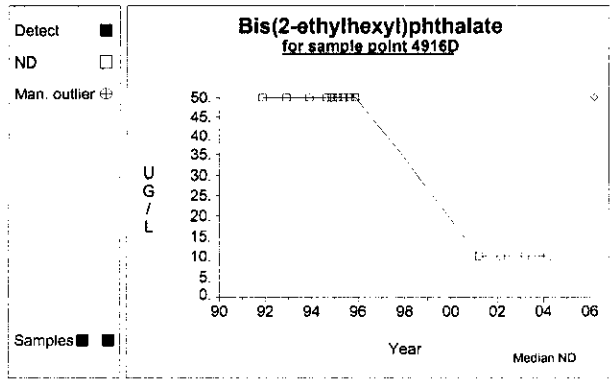
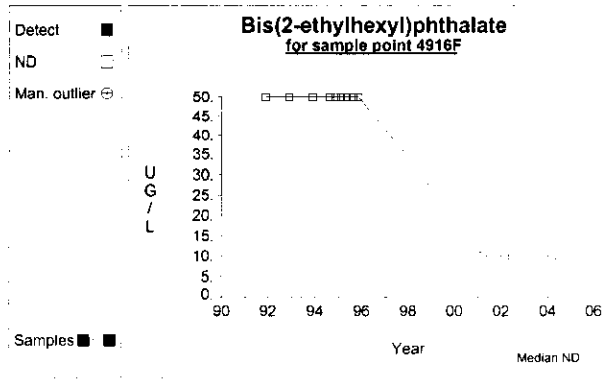


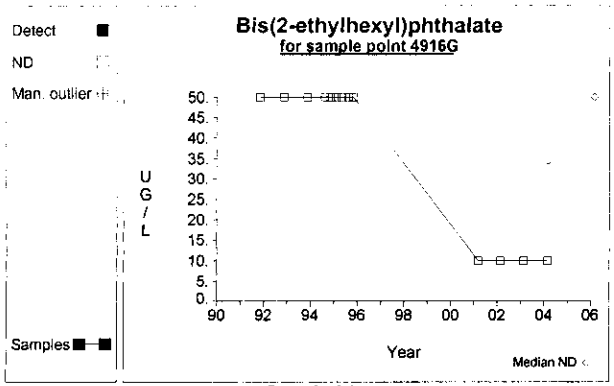
Graph 58



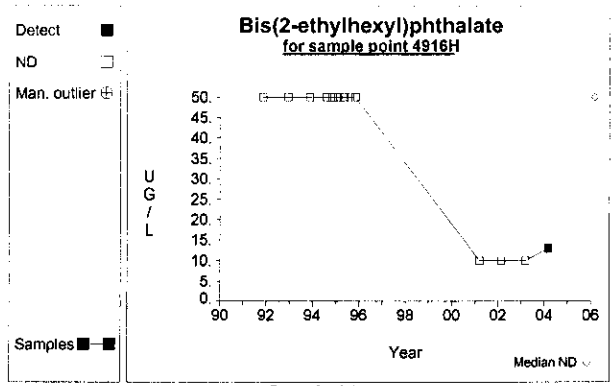
Graph 59



Graph 60



Graph 61



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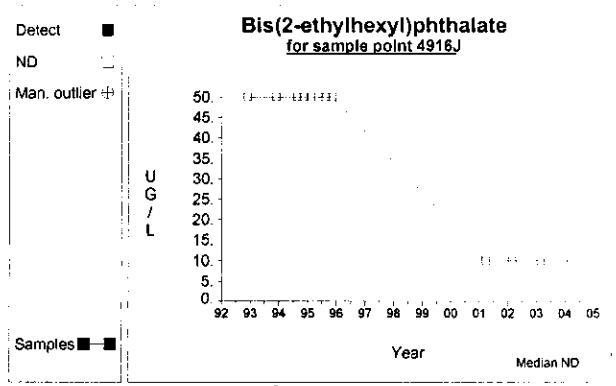
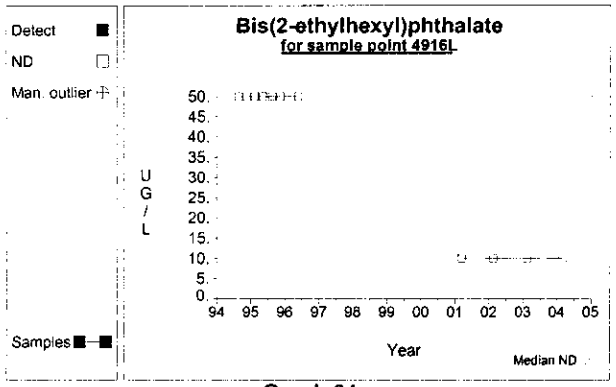


Graph 63

Time Series



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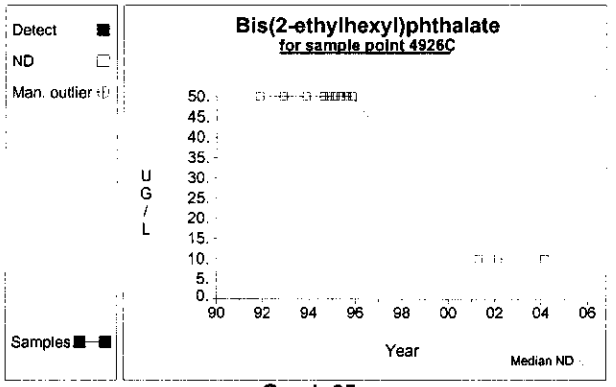

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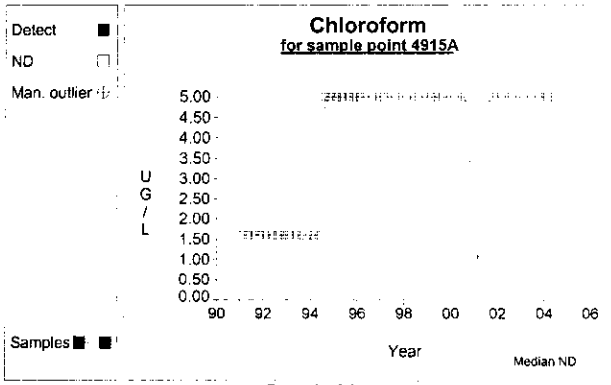

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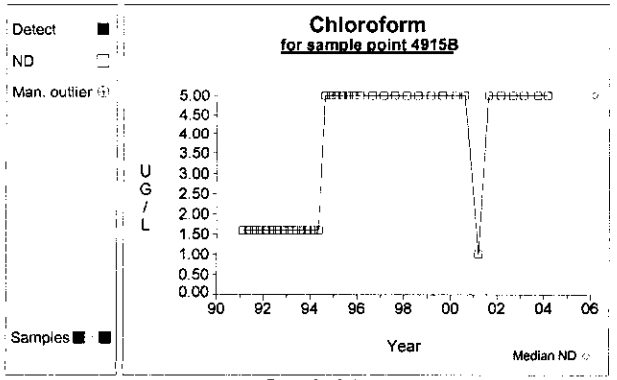

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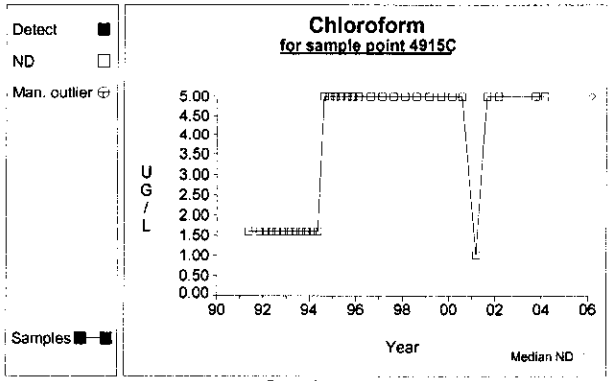

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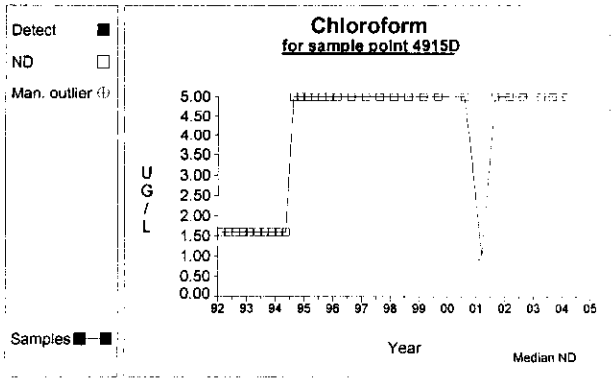

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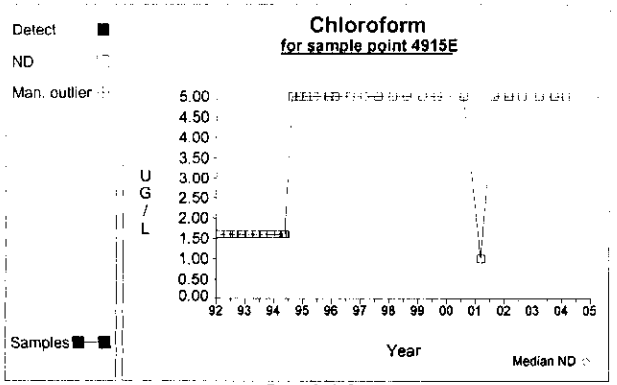

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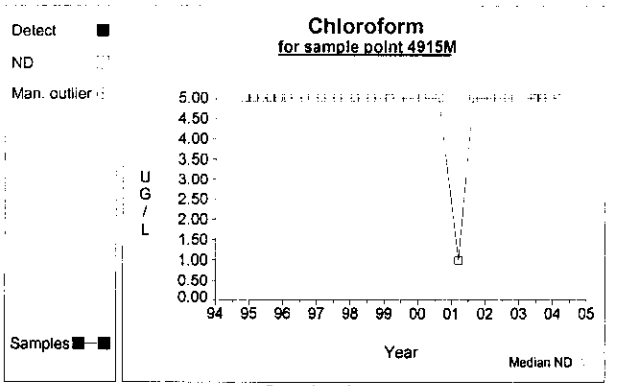

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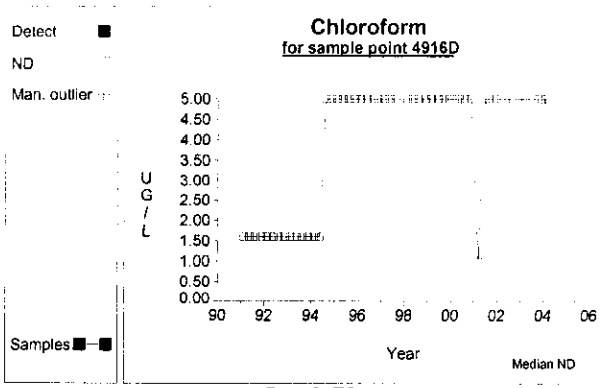
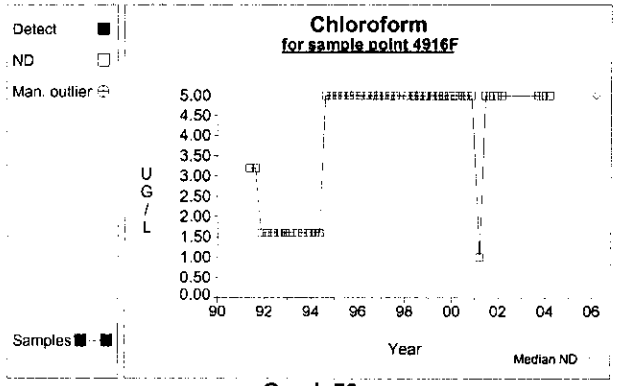


Graph 72

Time Series



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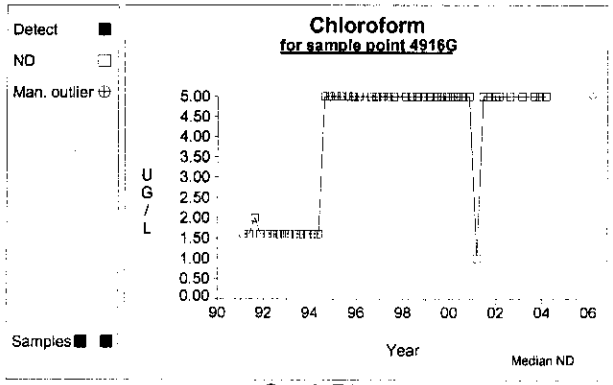

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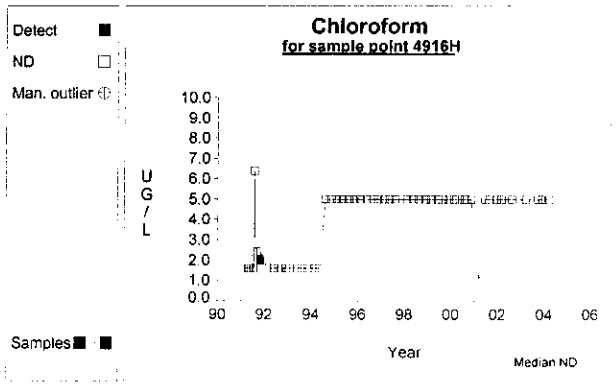

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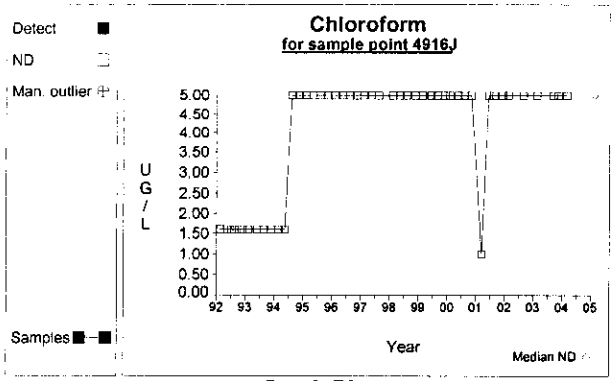

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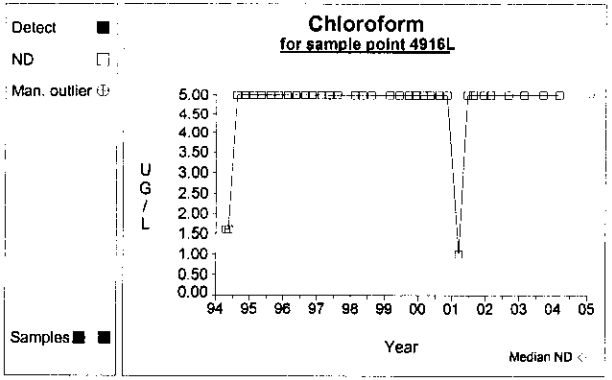

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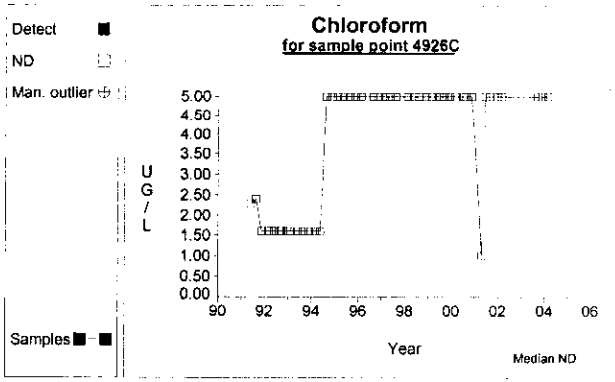

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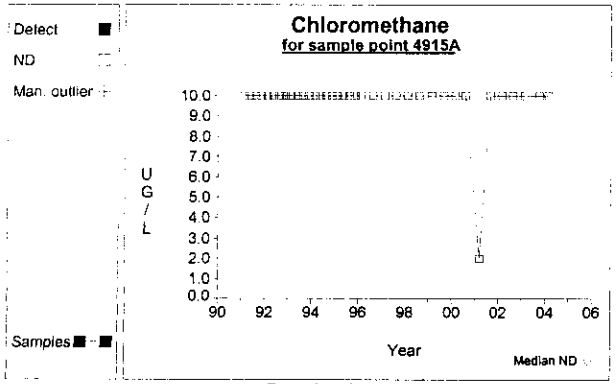

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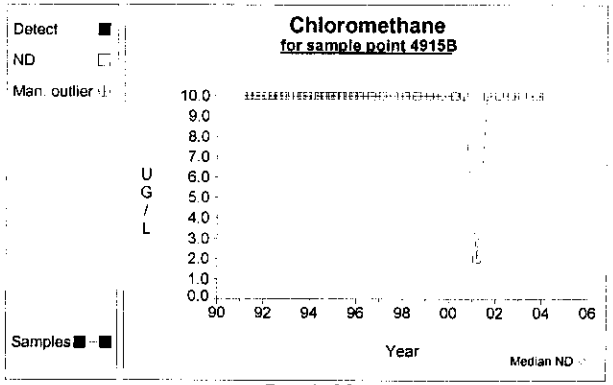

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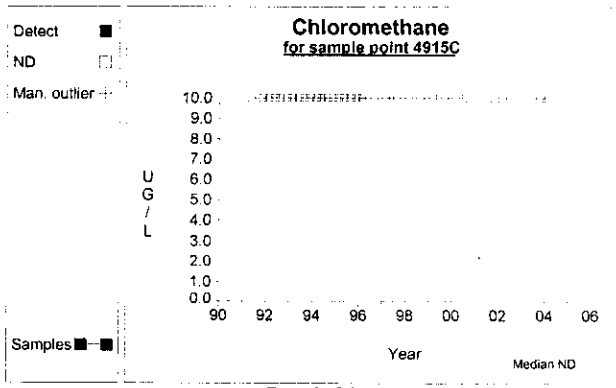
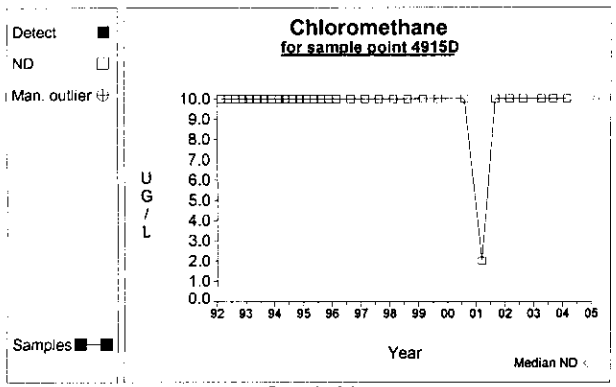


Graph 81

Time Series



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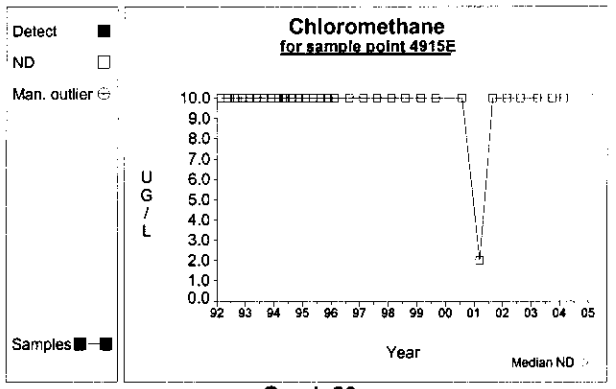

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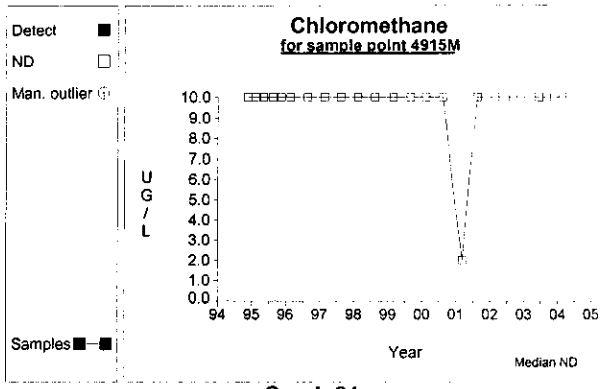

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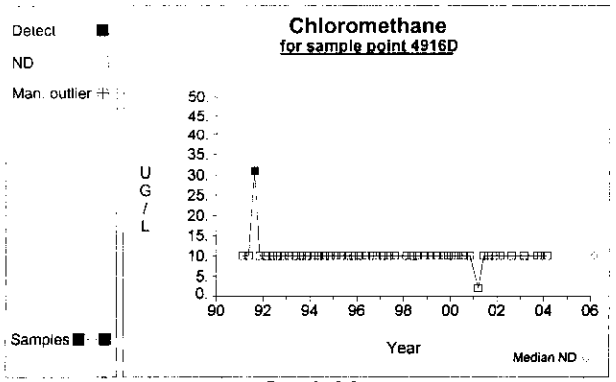

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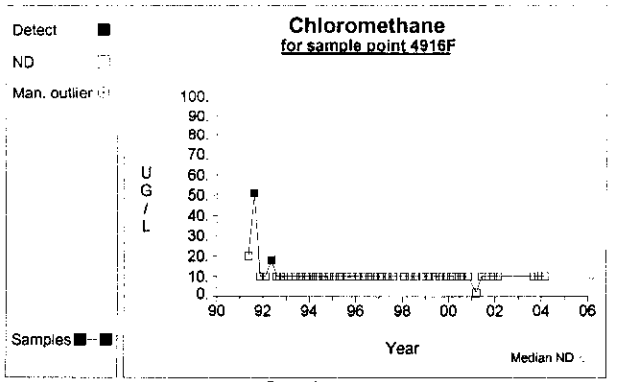

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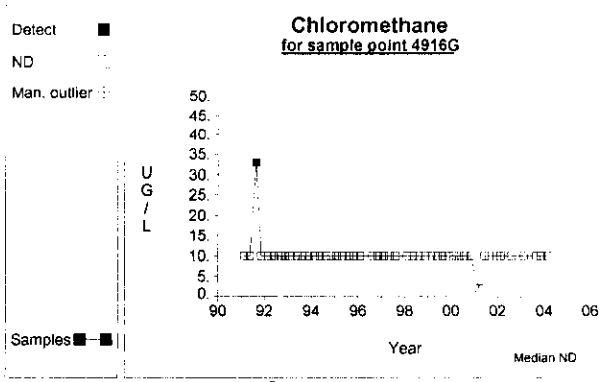

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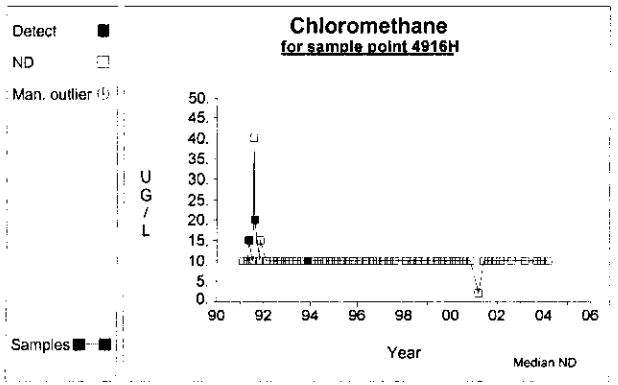

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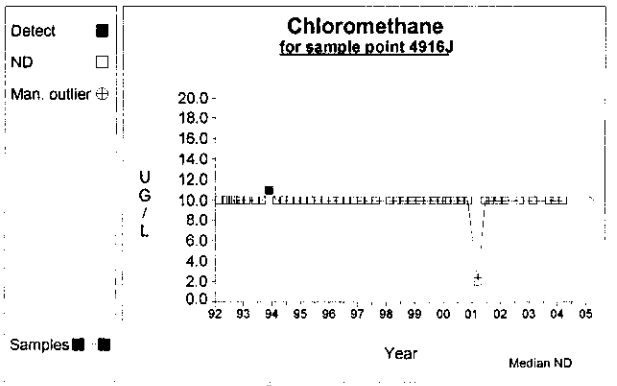

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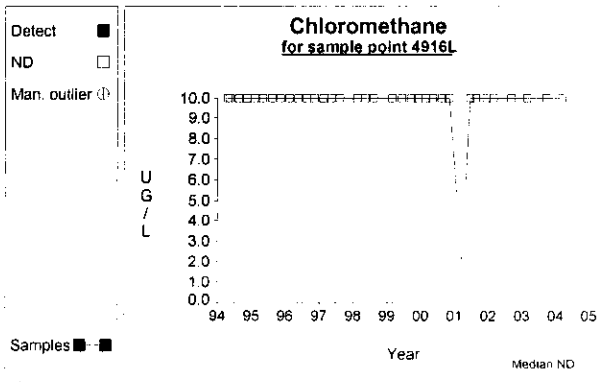
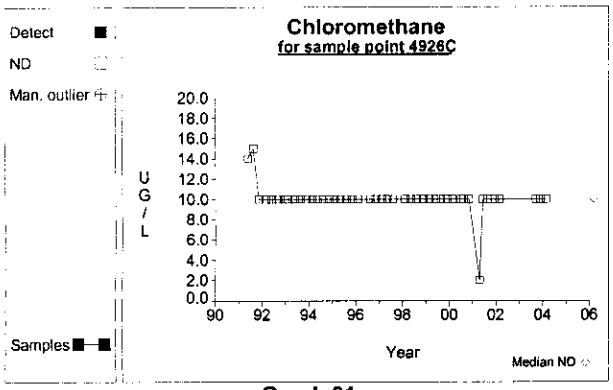
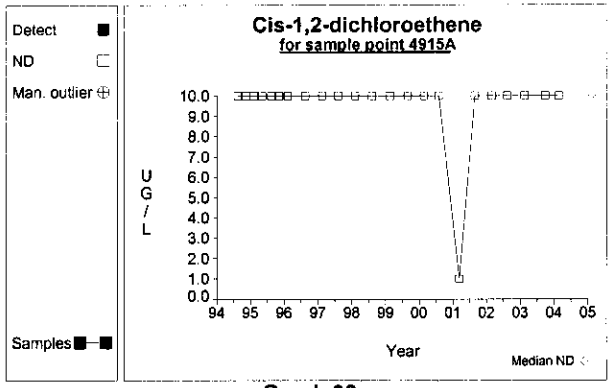


Graph 90

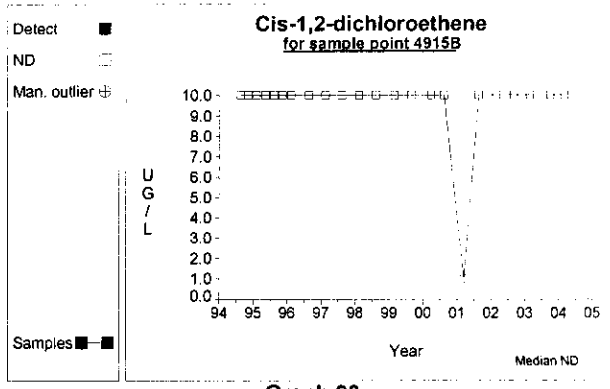
Time Series



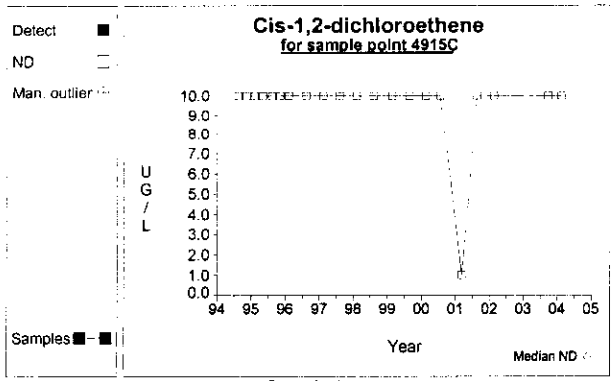
Graph 91



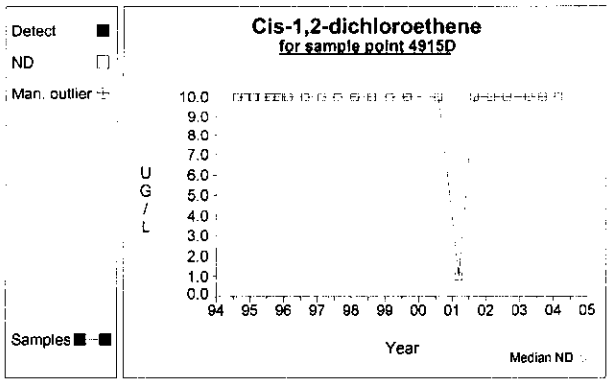
Graph 92



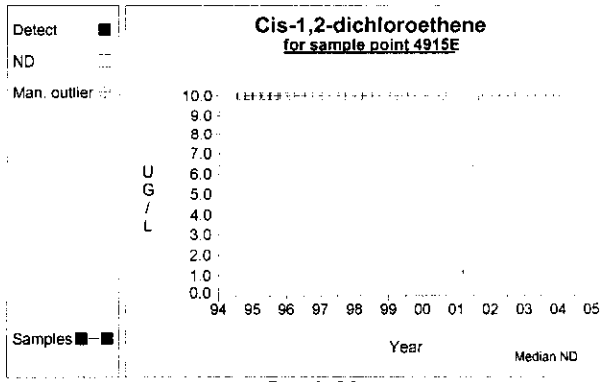
Graph 93



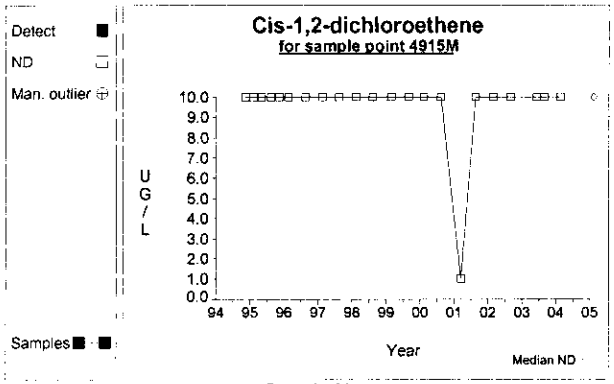
Graph 94



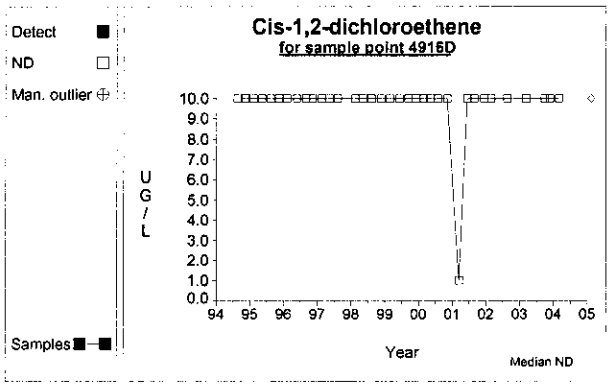
Graph 95



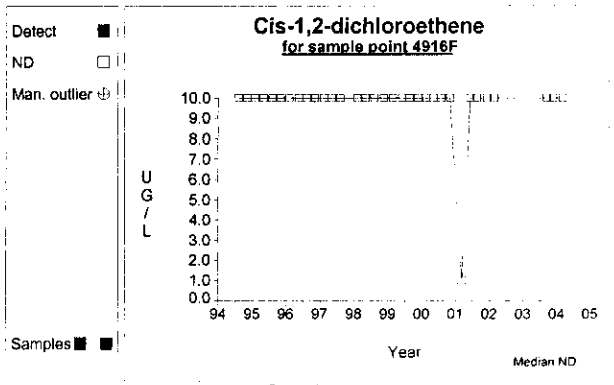
Graph 96



Graph 97

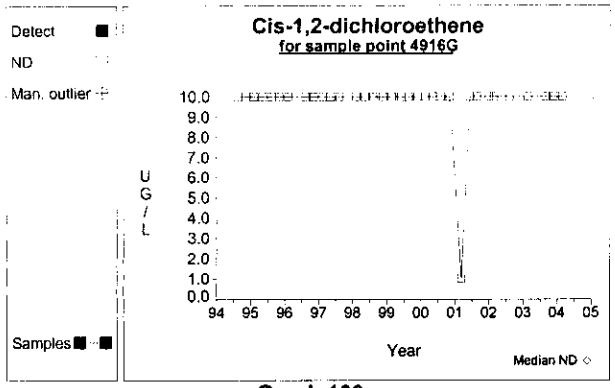


Graph 98

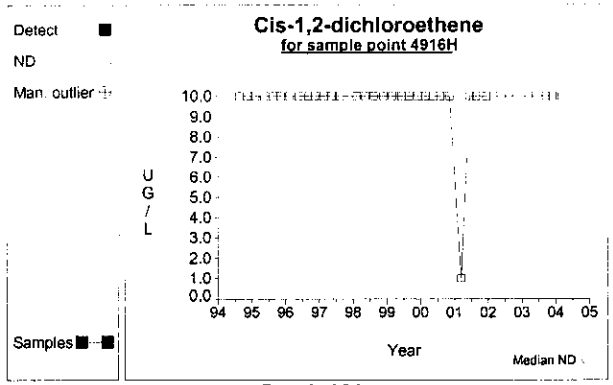


Graph 99

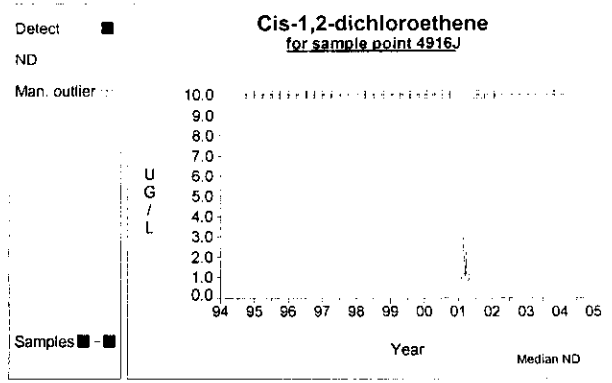
Time Series



Graph 100



Graph 101



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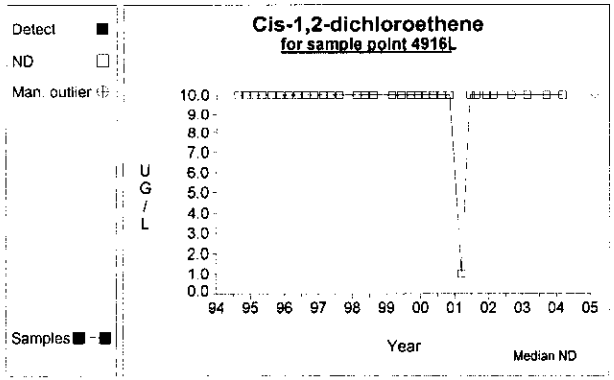

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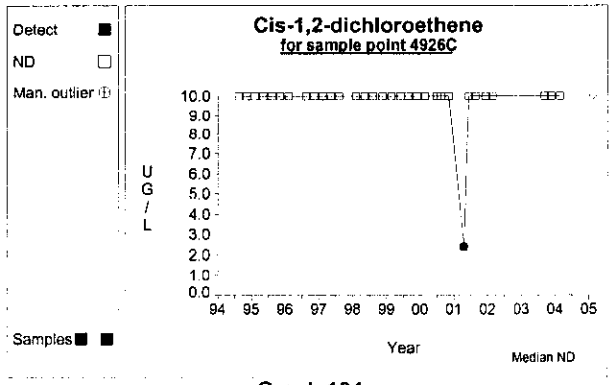

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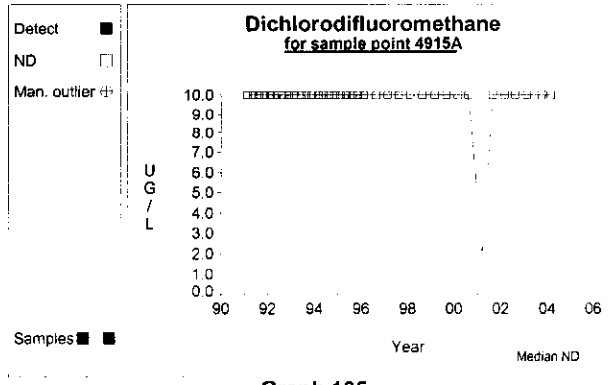

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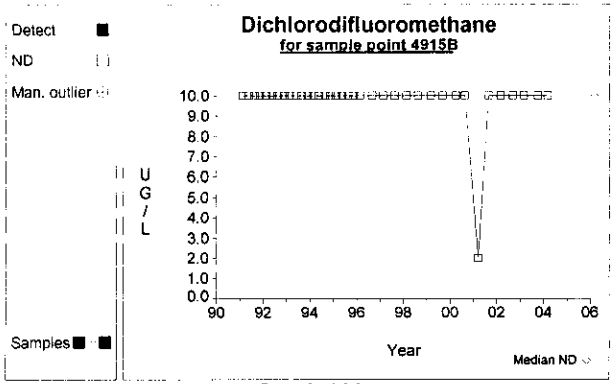

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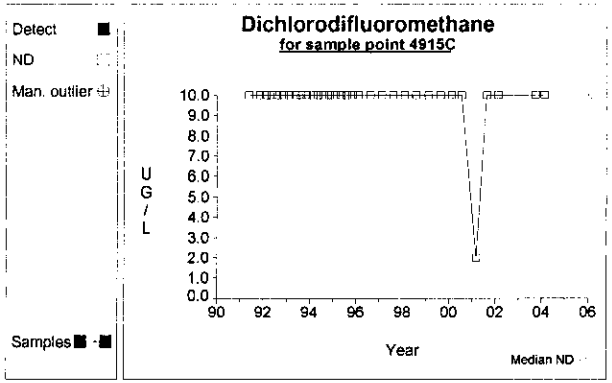

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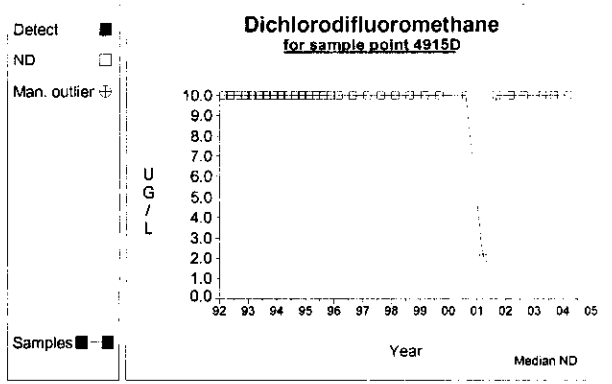
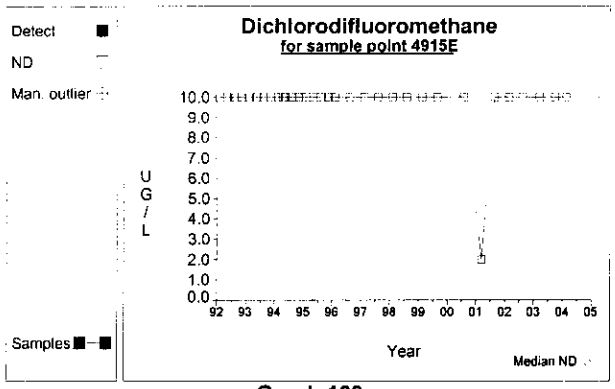
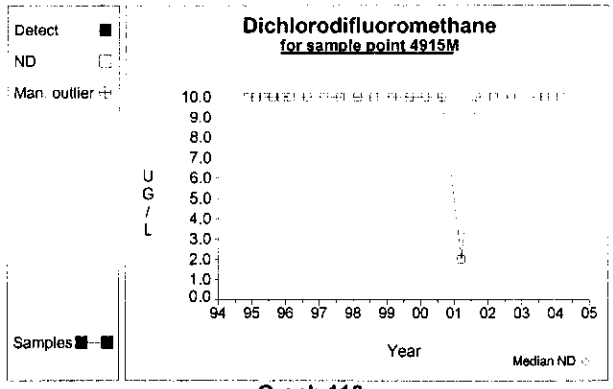


Graph 108

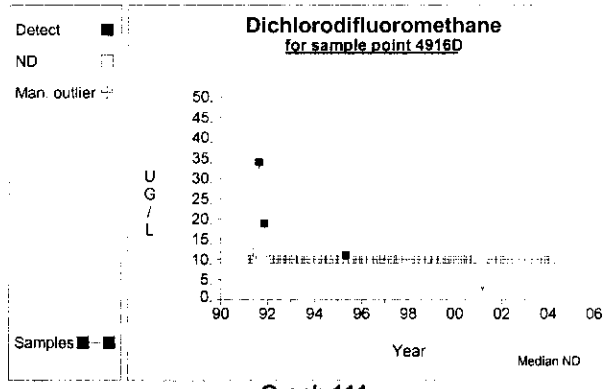
Time Series



Graph 109



Graph 110



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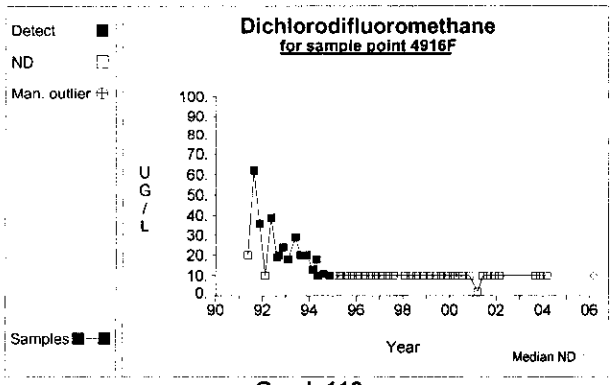

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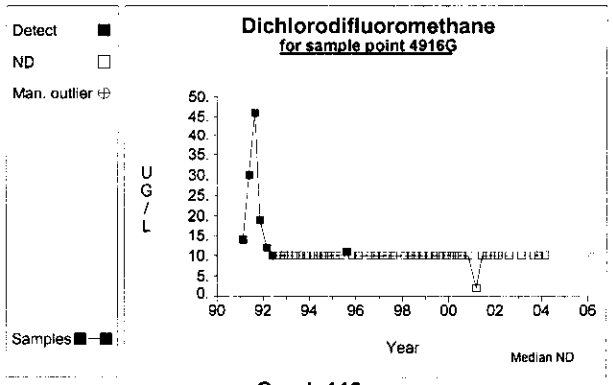

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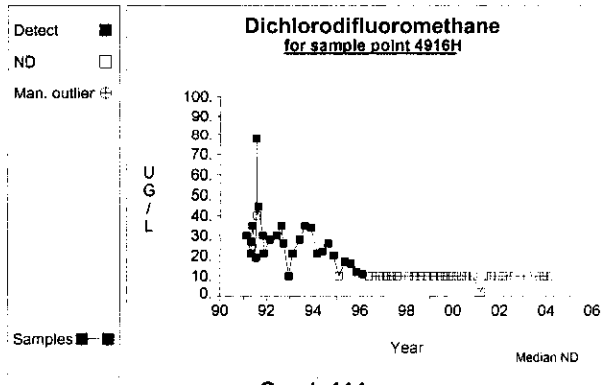

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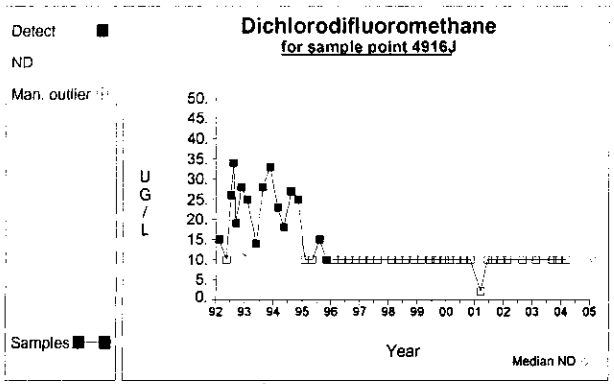

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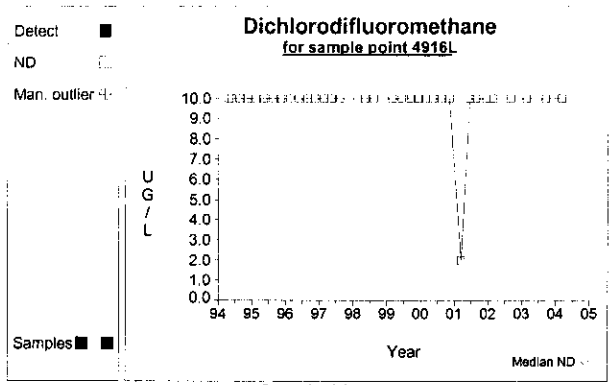

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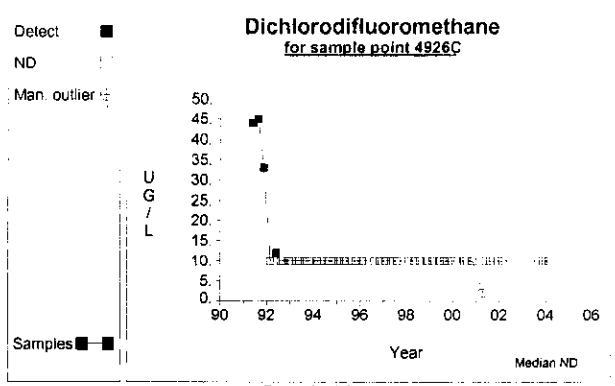
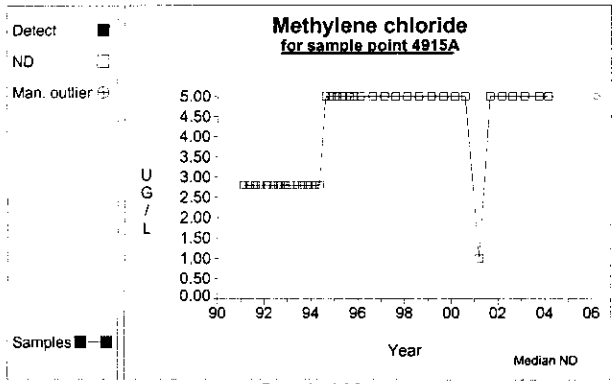
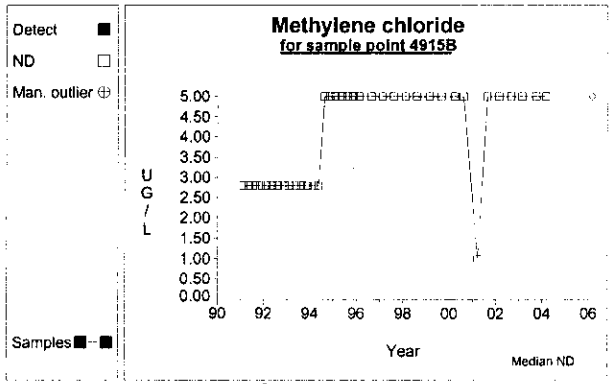


Graph 117

Time Series



Graph 118



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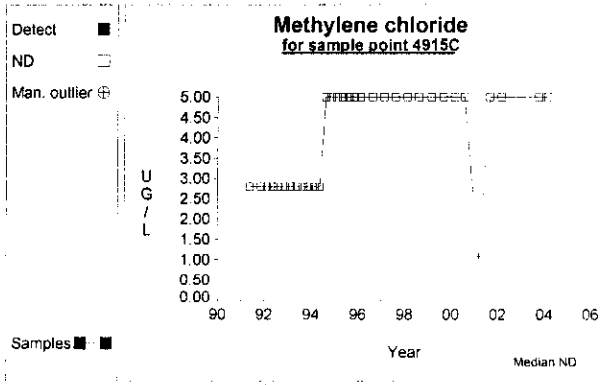

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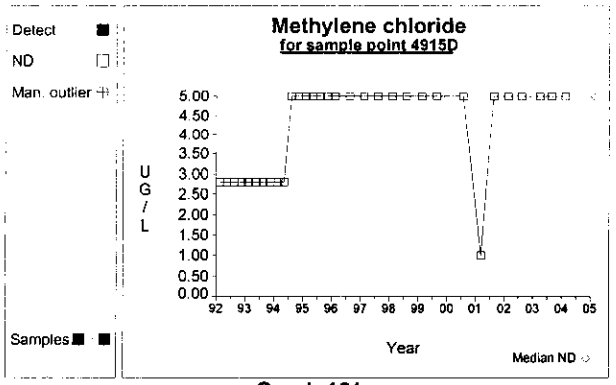

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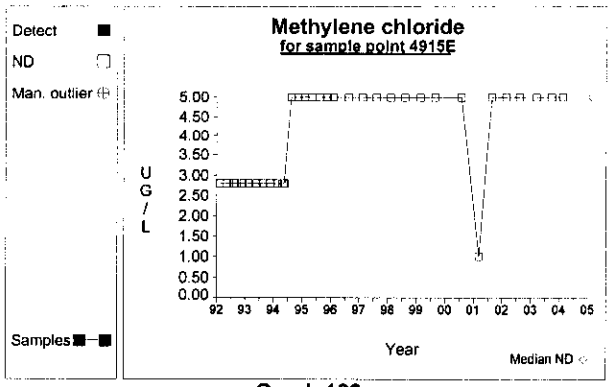

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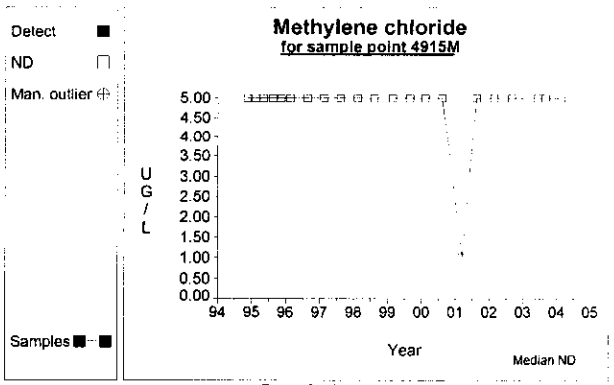

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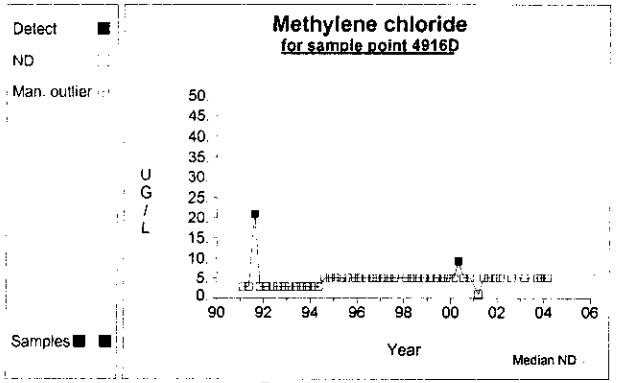

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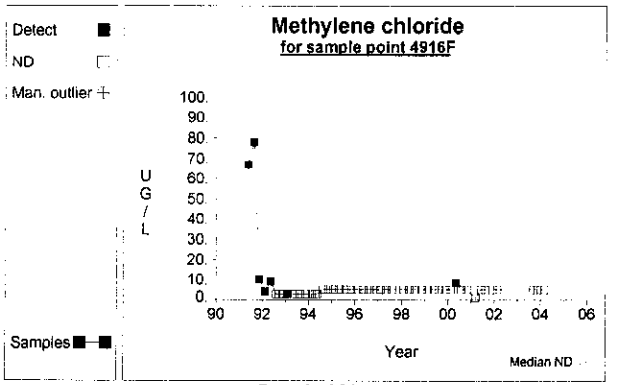

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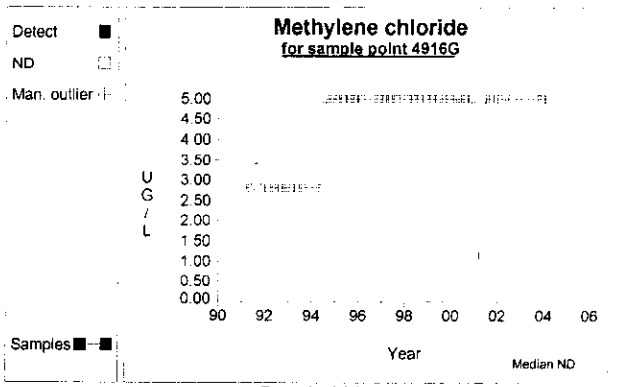
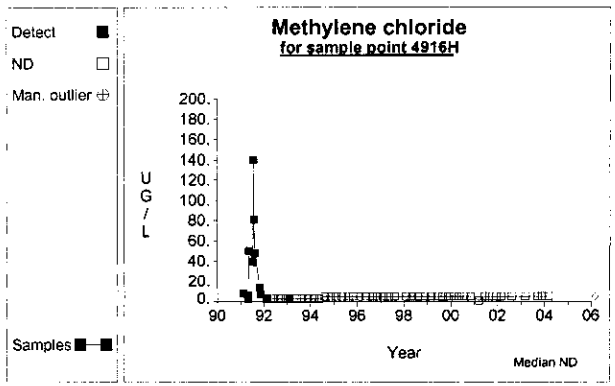


Graph 126

Time Series



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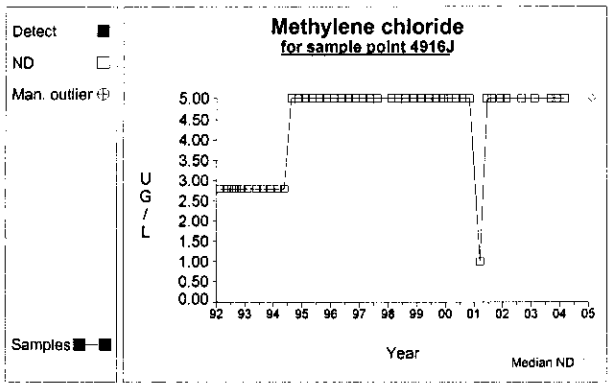

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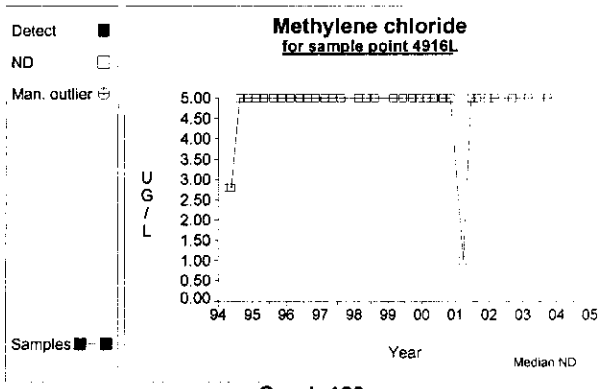

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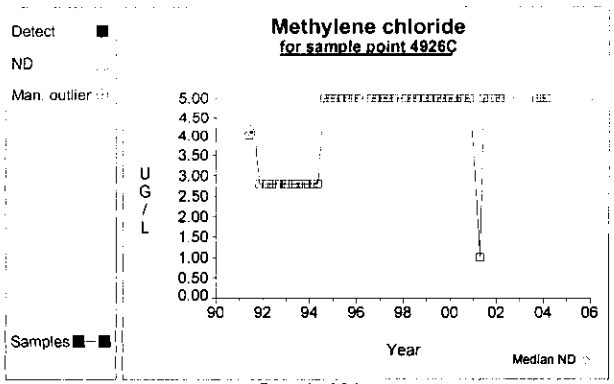

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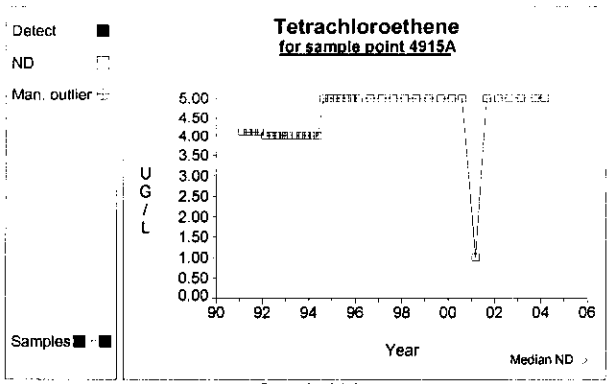

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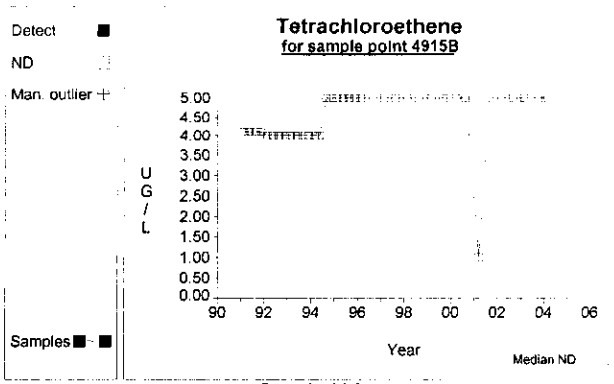

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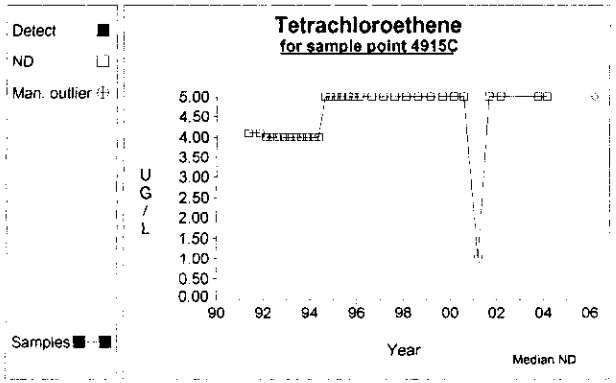

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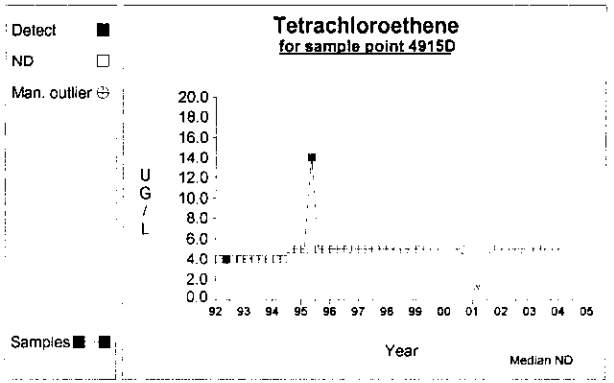

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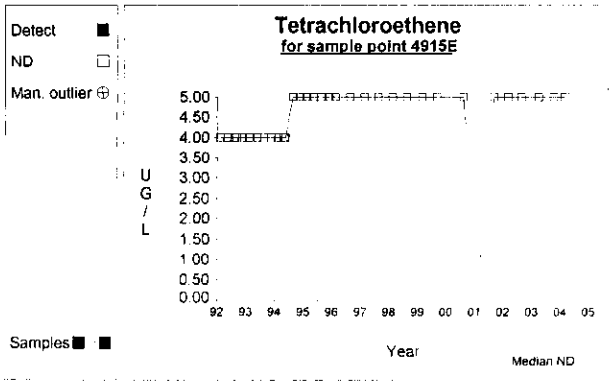
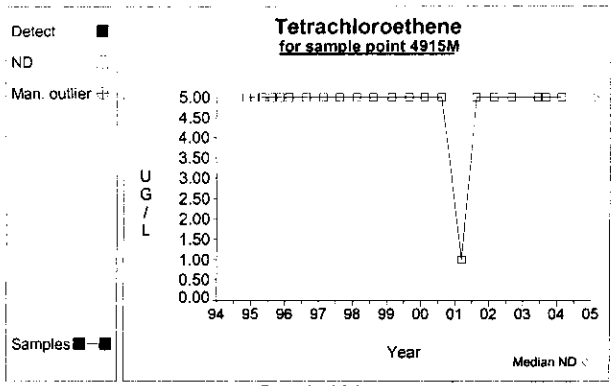


Graph 135

Time Series



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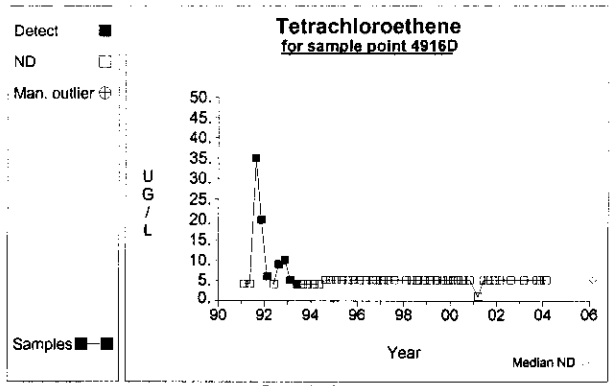

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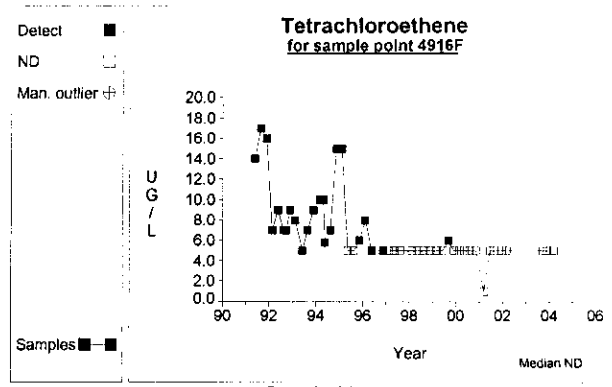

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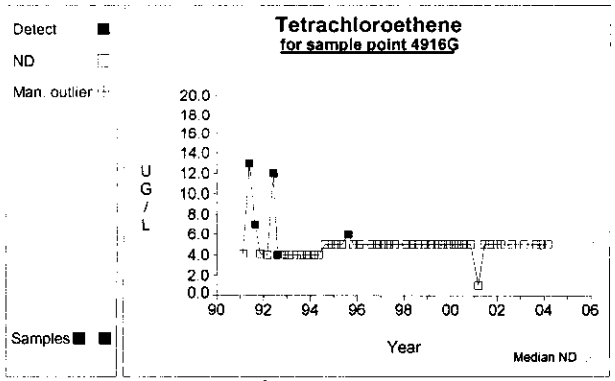

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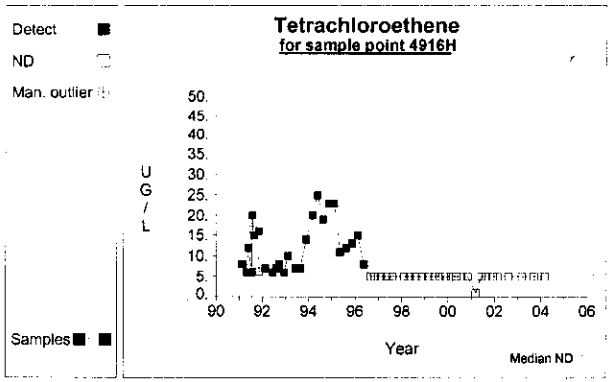

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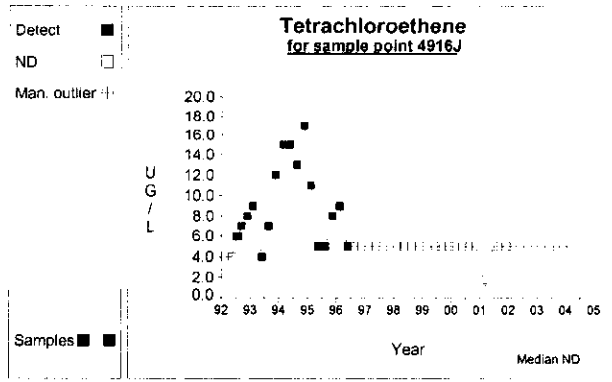

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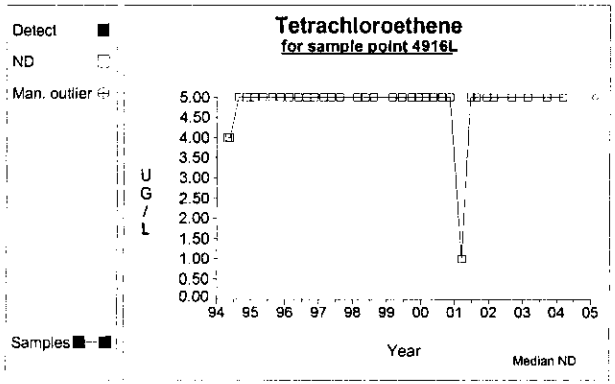

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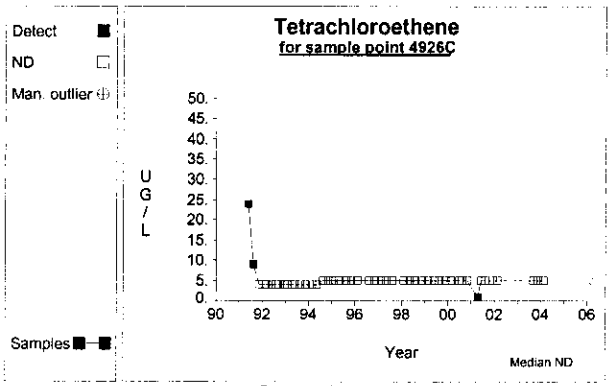

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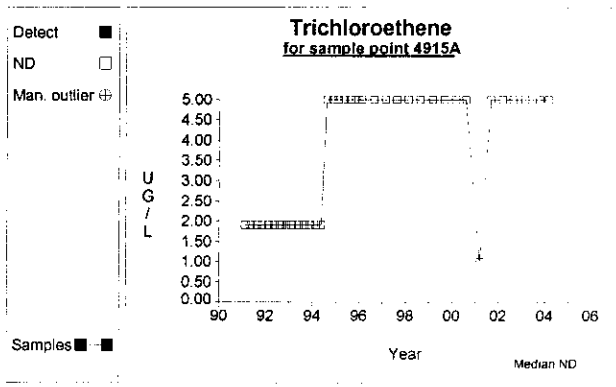
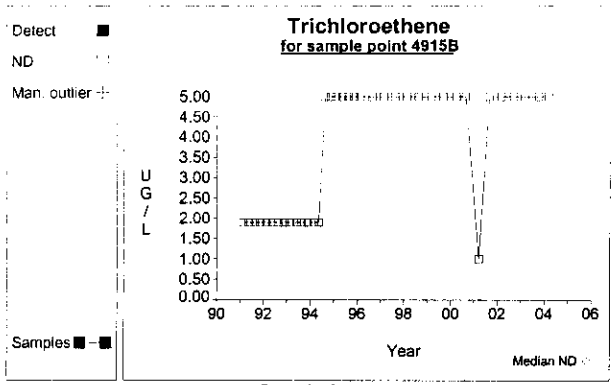


Graph 144

Time Series



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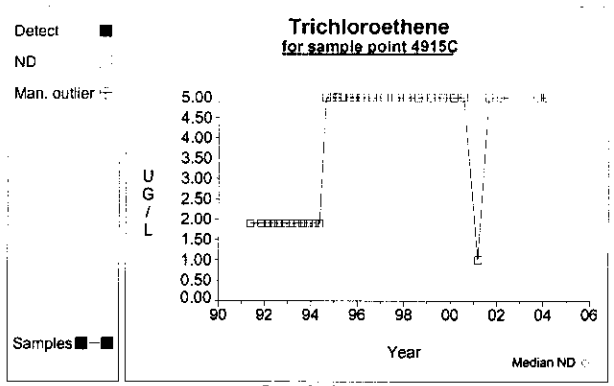

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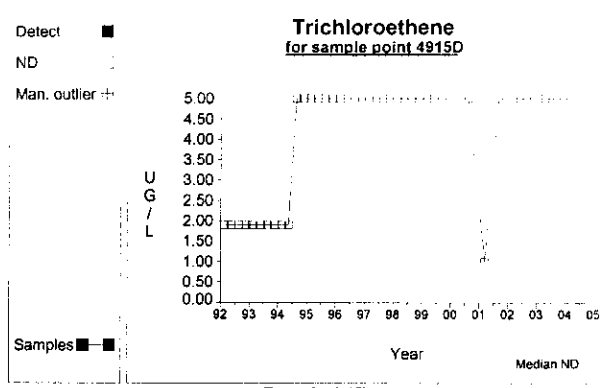

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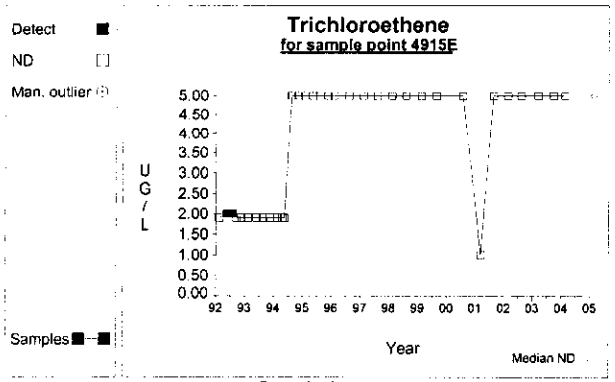

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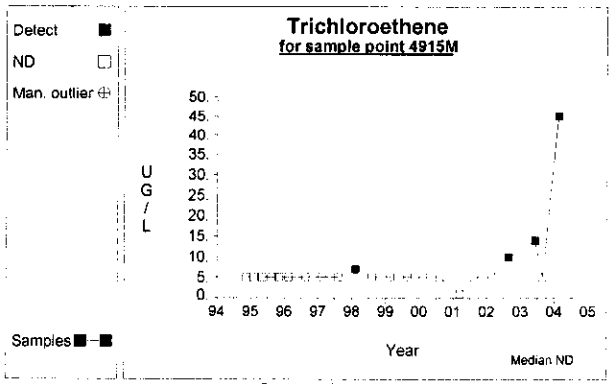

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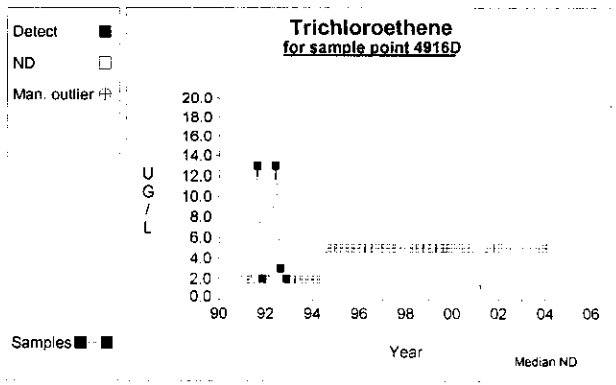
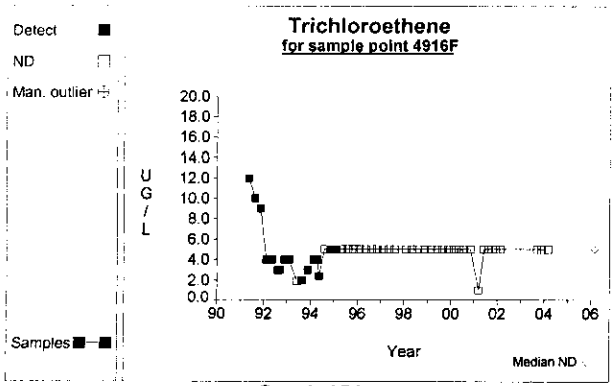


Graph 150



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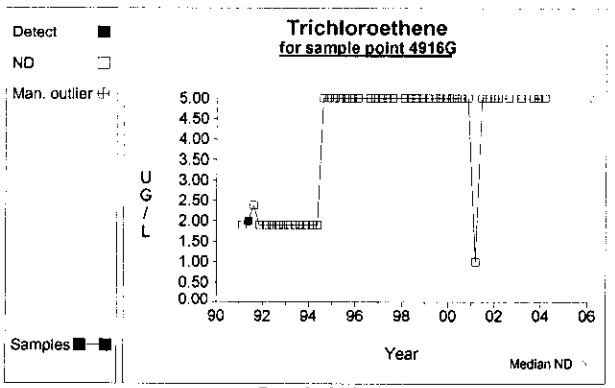

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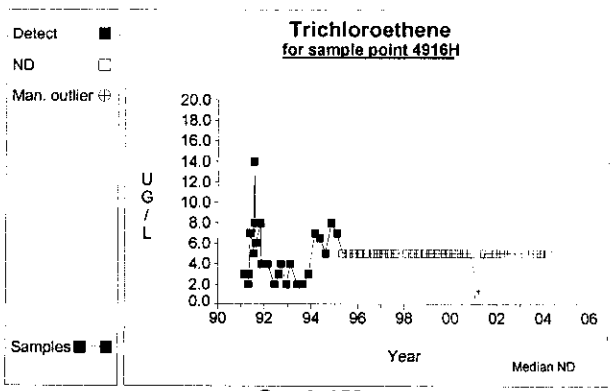
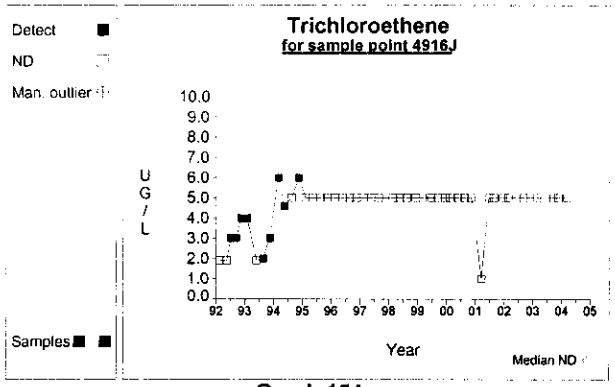
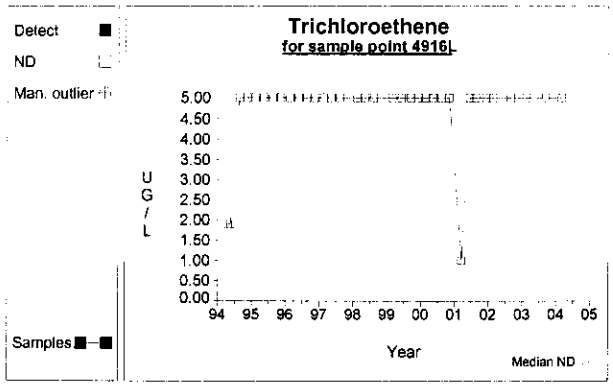


Graph 153

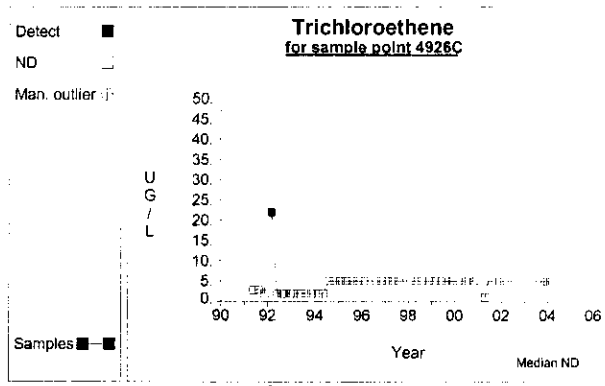
Time Series



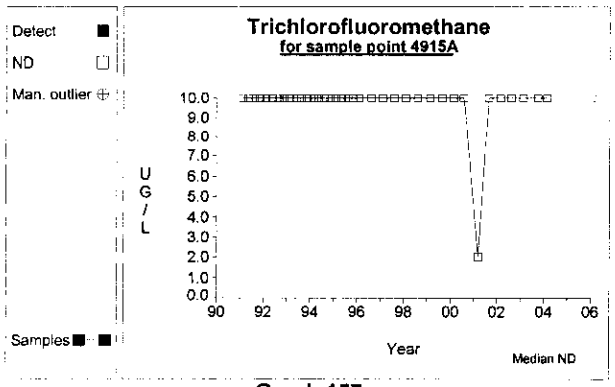
Graph 154



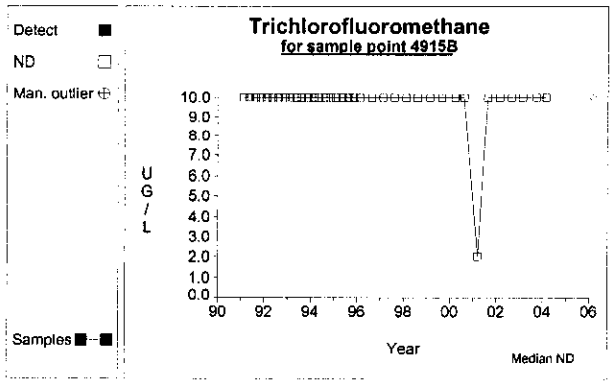
Graph 155



Graph 156



Graph 157



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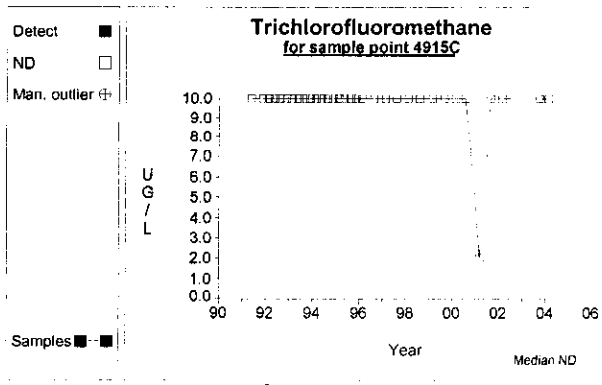
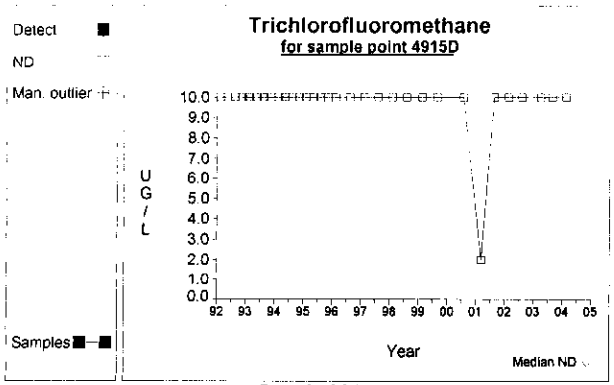


Graph 159



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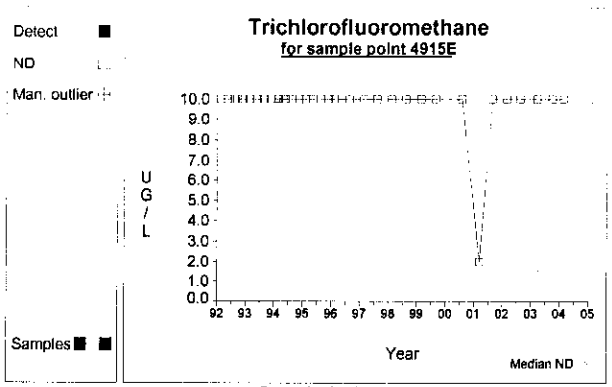
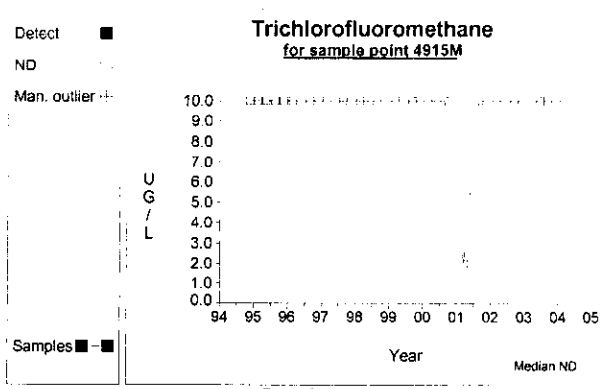
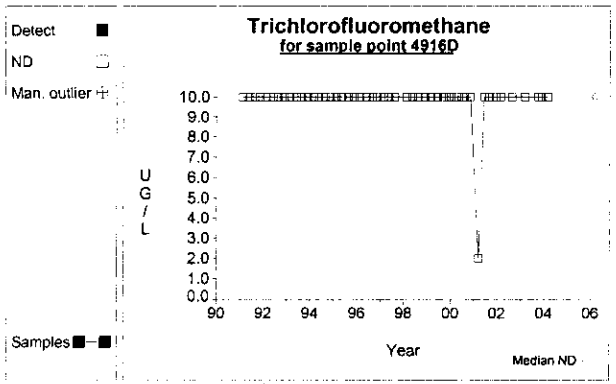


Graph 161



Graph 162

Time Series



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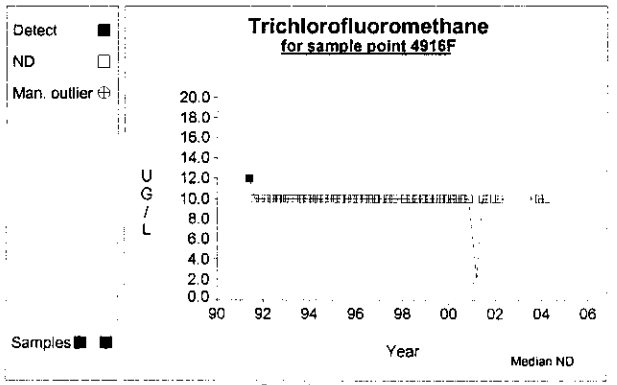
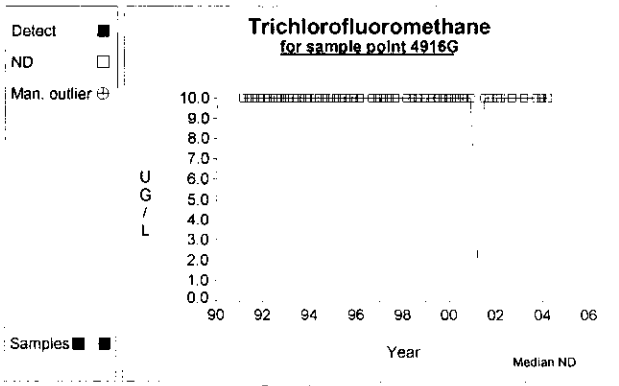


Graph 164



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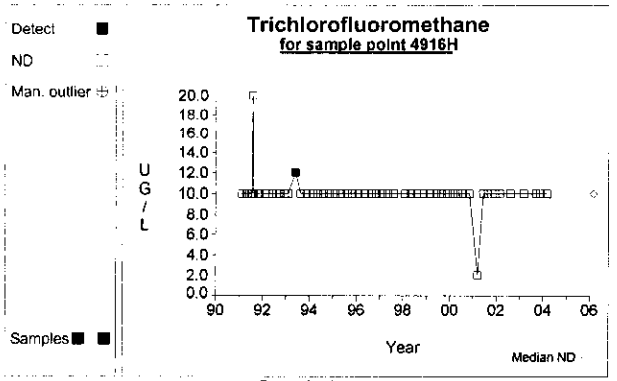

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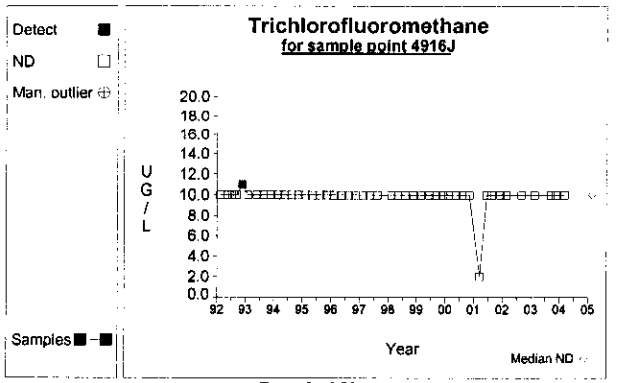

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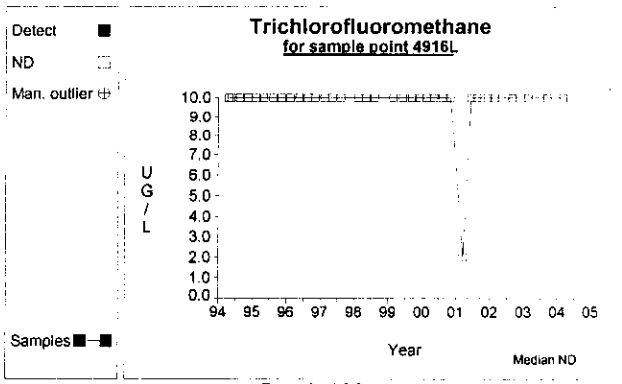

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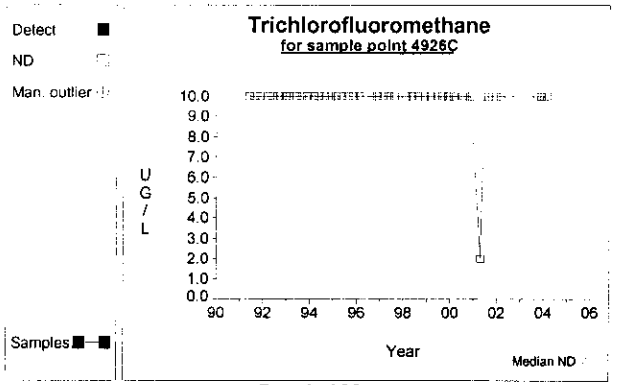

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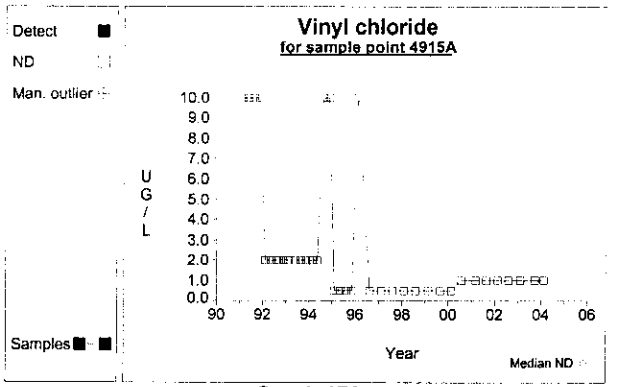

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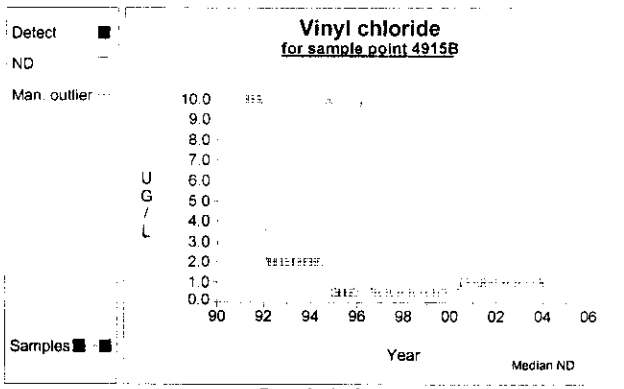
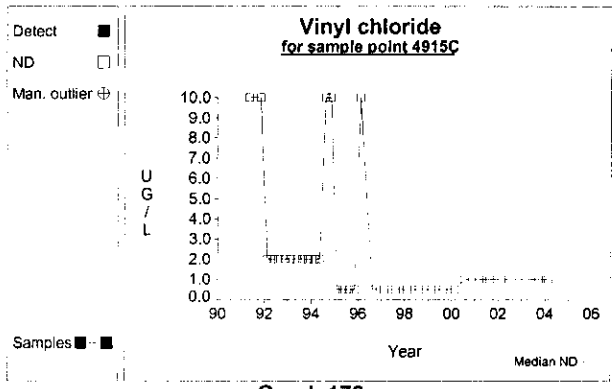


Graph 171

Time Series



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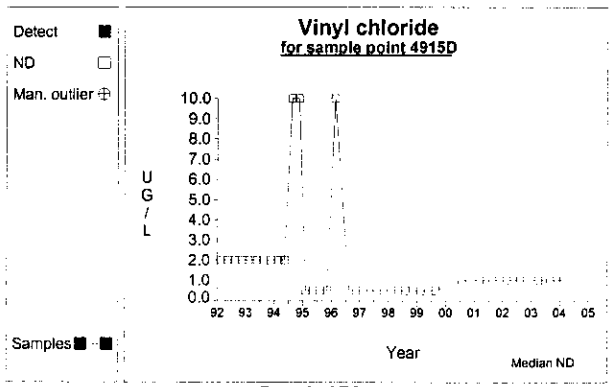

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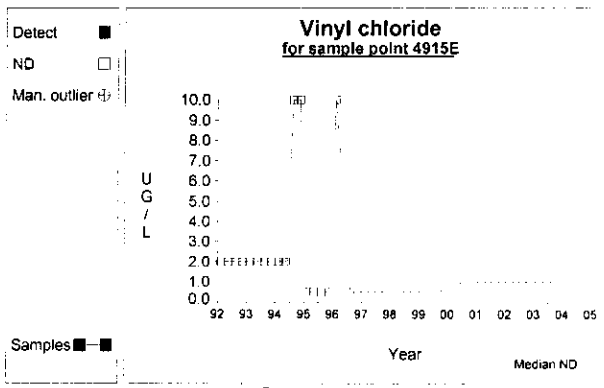

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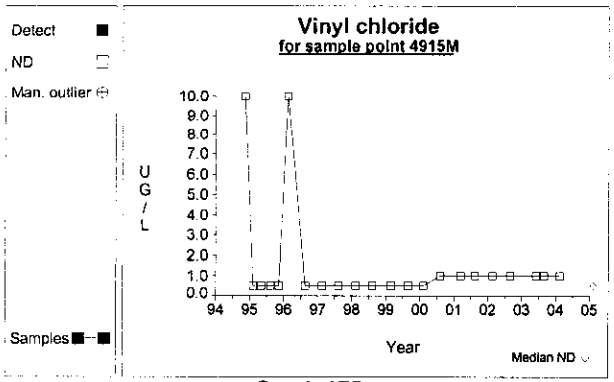

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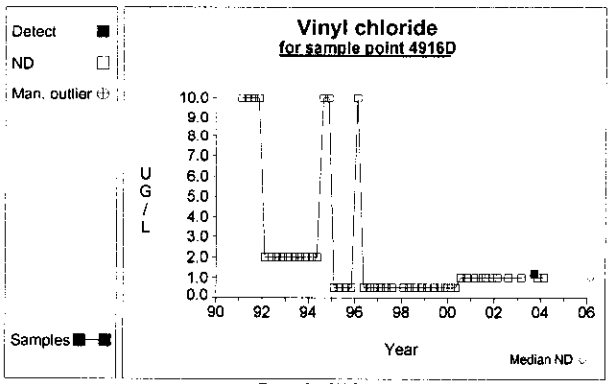

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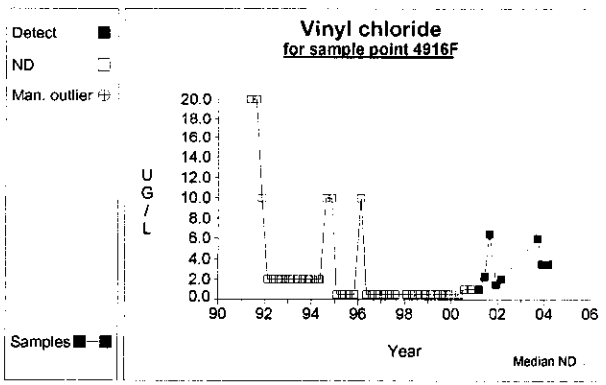

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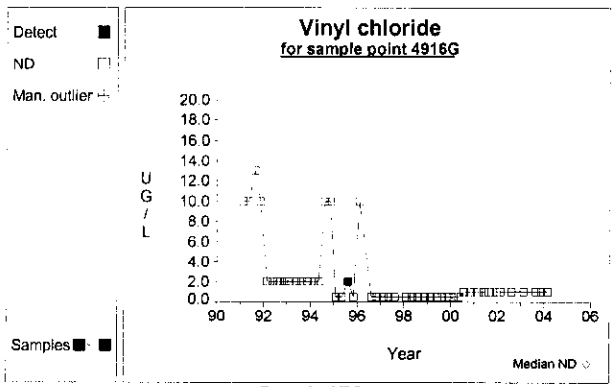
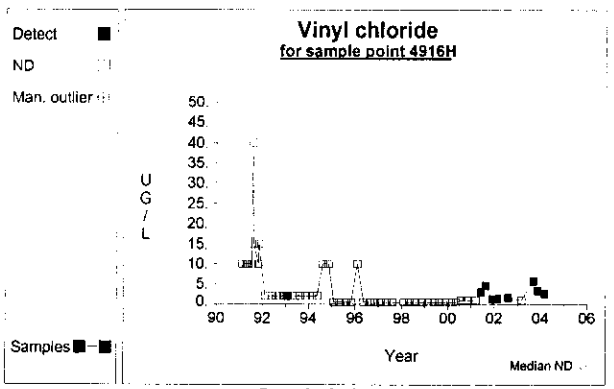


Graph 178



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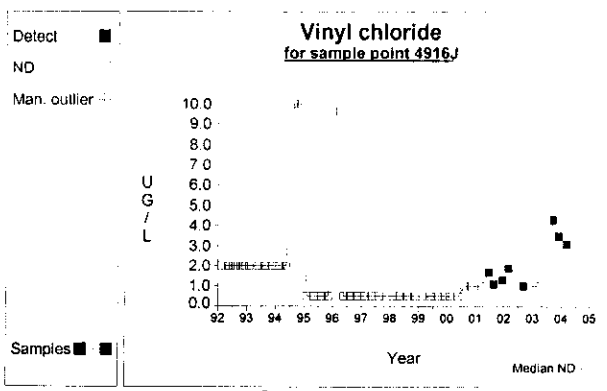
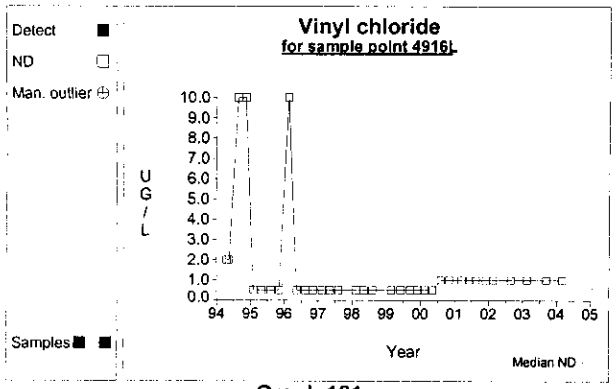


Graph 180

Time Series



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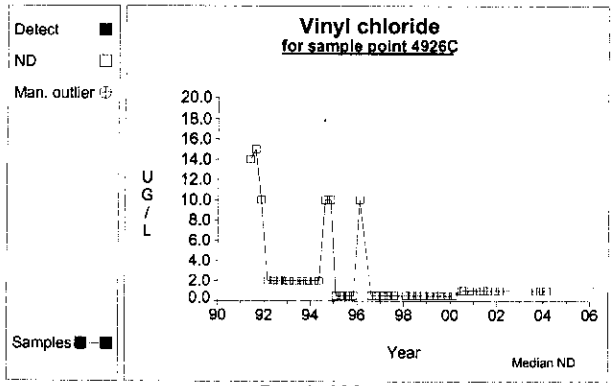


Graph 182

Appendix G

Unclaimed Unacceptable Materials Disposal Facilities

A.B.T.S. WIP Report By Generator # - Summary 1/23/02 15:56:19 Page 1

Generator : 419643 EPA ID : CAD982480937 BRADLEY LANDFILL AND RECYCLE
9227 TUJUNGA AVENUE
SUN VALLEY CA 91352-

WIP #	Waste Name	Recert Due	Status	Approval Code	Facility	App Exp Date
195330	PACKED LAB CHEMICALS		G	TWIBQ4500	TWI	8/14/02
195330	PACKED LAB CHEMICALS		G	TWIBM8244	TWI	2/03/05
195330	PACKED LAB CHEMICALS		G	LP-OSCNONREACT	OSC	12/15/02
195330	PACKED LAB CHEMICALS		G	LP-ALL	TWI	7/27/02
195330	PACKED LAB CHEMICALS		G	LP-FGP	TWI	7/27/02
195330	PACKED LAB CHEMICALS		G	LP-ALL	TWI	7/27/02
195832	SOLID FUELS	11/15/01	G	FUEL05	OSC	2/01/01
195832	SOLID FUELS	11/15/01	G	AZU-DUMPO	OSC	1/12/03
197112	MINERAL SPIRITS		A	OSCC51883	OSC	11/16/02
197323	EMPTY CONTAINERS		G	KHEAJ4235	KHF	11/05/02
197323	EMPTY CONTAINERS		D	LANDOL	OSC	3/01/01
197323	EMPTY CONTAINERS		G	KHF-DEBRIS(NS)	OSC	12/01/02
197325	PAINT RELATED MATERIAL	6/14/03	G	LPK-PAINT(NS)	OSC	12/01/02
197325	PAINT RELATED MATERIAL	6/14/03	D	AZU-FUEL>10	OSC	12/01/02
197325	PAINT RELATED MATERIAL	6/14/03	G	AZU-FUELSLUDGE	OSC	12/05/02
197326	SOIL WITH HYDROCARBONS		G	KHFDD4903	KHF	5/07/01
197326	SOIL WITH HYDROCARBONS		G	LANDOL	OSC	3/01/01
267468	DEBRIS/SOIL WITH OIL,DIESEL FUEL	6/14/03	G	KHFDD4903	KHF	5/07/01
267468	DEBRIS/SOIL WITH OIL,DIESEL FUEL	6/14/03	G	KHF-DEBRIS(NS)	OSC	12/01/02
267469	AEROSOLS, FLAMMABLE	1/09/02	G	TWIAEROC1	TWI	7/01/02
267469	AEROSOLS, FLAMMABLE	1/09/02	G	LPK-AEROSOL(NS)	TWI	7/30/02
269235	NICKEL CADMIUM BATTERIES	12/16/99	A	KBI1012	KBI	3/26/00
269235	NICKEL CADMIUM BATTERIES	12/16/99	G	KBI813	KBI	11/26/04
329594	SODIUM HYDROXIDE POWDER CRYSTALIZED		A	KHF10344	KHF	8/19/00
423798	CONDENSATE FILTERS		G	KHFDD4904	KHF	3/05/00
423824	SILICA		A	KHFDZ0660	KHF	1/28/00
430938	WASTE OIL, WATER, GREASE	9/03/01	A	OSC430938	OSC	9/08/01
430938	WASTE OIL, WATER, GREASE	9/03/01	G	REC-WATER	OSC	10/01/02
453933	HYDROGEN CHLORIDE, ANHYDROUS	1/13/01	G	BOTCYL-2	BOT	12/31/02
453956	LATEX PAINT WITH SOLIDS	6/14/03	D	TWIPAI001	TWI	3/06/02
453956	LATEX PAINT WITH SOLIDS	6/14/03	D	LPK-PAINT(NS)	OSC	12/01/02
453956	LATEX PAINT WITH SOLIDS	6/14/03	G	KHFDD2307	KHF	8/21/02
459831	CYLINDER	4/24/02	G	TWICYG002	TWI	9/26/03
521481	POLYMERIC ISOCYANATE AND FLUOROCARBONS	5/17/03	G	EAI224971	EAI	7/01/02
988469	WASTE OIL NPR		A	OSCAJ4335	OSC	12/07/96
988470	PETROLEUM PRODUCTS AND WATER		A	OSCAK5130	OSC	3/06/96
988471	USED OIL	6/14/03	G	AZU-FUEL>10	OSC	12/01/02
988472	CONTOL (TRADE NAME) VIRGIN		A	OSCAO5011	OSC	2/10/97
988473	TRANSFORMERS WITH NON-PCB OIL		A	OSCBC2440	OSC	2/05/95
988474	DECTEC (NONIONIC SURFACE		A	OSCBC2453	OSC	4/26/95
988475	FLAMMABLE LIQUIDS PAINT		G	OSCBC2453	OSC	4/26/95
988476	LAB PACK DECANT		A	TWIBC2747	TWI	8/02/95
988477	LAB PACK (HPN)		A			10/04/95
988479	RUST INHIBITOR		A	OSCBC5722	OSC	4/26/97
988480	LAB PACK (HPN)					
988482	OIL CONTAMINATED SOIL					

The Bulk of your waste is shipped Direct to the OSC (Azusa) facility. We then manifest it to the Final destination.

These are the facility codes. On the following 4 pages are the detail information on these facilities. If you need additional info. please call me

Display Treatment Facility

Facilty Code KBI

Approval Status: Approved (A)
Treatment Type : Haz Waste & All (H)

EPA ID CAD088504881

Name KINSBURSKY BROTHERS, INC.

Formal Name KINSBURSKY BROTHERS, INC.

Address 1314 N. ANAHEIM BLVD.

ANAHEIM CA 92801

Contact AARON ZISMAN

Phone 714) 738-8516 **Fax** 714) 441-0857

F3=Exit F14=Display Treatment Tech F20=State Reg#

Display Treatment Facility

Facilty Code BDT

Approval Status: Approved (A)
Treatment Type : Haz Waste & All (H)

EPA ID NYD000632372

Name SAFETY-KLEEN (BDT), INC

Formal Name SAFETY-KLEEN (BDT), INC.

Address 4255 RESEARCH PKWY.

CLARENCE NY 14031

Contact NANCY BEEBE

Phone 716) 759-2868 **Fax** 716) 759-6034

F3=Exit F14=Display Treatment Tech F20=State Reg#

Display Treatment Facility

Facility Code EAI

Approval Status: Approved (A)
Treatment Type : Haz Waste & All (H)

EPA ID ARD069748192

Name ENSCO INC.

Formal Name ENSCO INC.

Address 309 AMERICAN CIRCLE

EL DORADO AR 71730

Contact MOLLY ZEIGLER

Phone 870) 863-7173 **Fax** 870) 864-3627

F3=Exit F14=Display Treatment Tech F20=State Reg#

Display Treatment Facility

Facilty Code TWI

Approval Status: Approved (A)
Treatment Type : Haz Waste & All (H)

EPA ID ILD098642424

Name ONYX ENVIRONMENTAL SERVICES

Formal Name ONYX ENVIRONMENTAL SERVICES

Address 7 MOBILE AVENUE

SAUGET IL 62201 1069

Contact DAVE KLARICH (OPR. MGR.)

Phone 618) 271-2804 **Fax** 618) 271-2128

F3=Exit F14=Display Treatment Tech F20=State Reg#

ABNSDEA DISPLAY

Display Treatment Facility

Facility Code KHF

Approval Status: Approved (A)
Treatment Type : Haz Waste & All (H)

EPA ID CAT000646117

Name CHEMICAL WASTE MANAGEMENT, INC

Formal Name CHEMICAL WASTE MANAGEMENT, INC

Address 35251 OLD SKYLINE ROAD
P.O. BOX 471
KETTLEMAN CITY CA 93239

Contact TERRI YARBROUGH

Phone 559) 386-9711 **Fax** 559) 386-6109

F3=Exit F14=Display Treatment Tech F20=State Reg#

Display Treatment Facility

Facilty Code OSC

Approval Status: Approved (A)
Treatment Type : Haz Waste & All (H)

EPA ID CAD008302903

Name ONYX ENVIRONMENTAL SVCS.L.L.C.

Formal Name ONYX ENVIRONMENTAL SERVICES, L.L.C.

Address 1704 W. FIRST STREET

AZUSA CA 91702

Contact

Phone 626) 334-5117 **Fax** 626) 334-4563

F3=Exit F14=Display Treatment Tech F20=State Reg#

APPENDIX H

Rodent Control Documents

SA# 514937 Date Printed..: 2/25/04
WO# 29257982

- ☐ INITIAL SERVICE
- ☐ REGULAR SERVICE
- ☐ EXTRA SERVICE

TERMINIX 02-04

Regular Premier # 0001172906

COMMERCIAL SERVICE AND INSPECTION REPORT

BRANCH	ACCOUNT	RT.	TELEPHONE	GRID	S. DAY	F	T	PRODUCTION	TIME IN	TIME OUT
2164	438629	F11	(818)767-6180	502-H7	23 AMD	MT		150.00	2/25/04	

SERVICE PROPERTY AT

BRADLEY LANDFILL &
9227 TUJUNGA AVE
SUN VALLEY,CA 91352

BRANCH

TERMINIX INTERNATIONAL
3055 N. CALIFORNIA STREET
BURBANK,CA 91504
(800)452-6230

OPERATOR NAME & CERTIFICATION NUMBER

JESUS A RUVALCAB RA157/8

SUPERVISOR NAME & CERTIFICATION NUMBER

Target Pests

- ☐ German Cockroaches
- ☐ American Cockroaches
- ☐ Oriental Cockroaches
- ☐ Other Cockroaches
- ☐ Pavement Ants
- ☐ Argentine Ants
- ☐ Fire Ants
- ☐ Other Ants
- ☐ Rats
- ☐ Mice
- ☐ Silverfish
- ☐ Flies
- ☐ Occasional Invaders
- ☐ Stored Product Pests
- ☐ Other _____
- ☐ Other _____

Materials	# Used		# Used
450 Insiders		620 WIND-UP TRAPS	
400 Insect Monitors		610 TIN CATS	
410 Pheromone Traps		645 Rat Bait Stations	
600 Glue Traps	6	640 Mouse Bait Stations	
630 Snap Traps		655 Liquid Bait Stations	

Pest Control Materials Used

		EPA Reg. #	T/C	E/C	Amount
293	Advance Granular Ant Bait (Abamectin B1) 0.011%	499-370			
295	Advance Dual Choice Ant Bait (Sulfluramid) 0.5%	499-459			
315	Ascend Fire Ant Bait (Abamectin B1) 0.011%	499-370			
309	Avert Roach Bait Stations (Abamectin) 0.05%	499-467			
365	Advance 388B Ant Gel Bait (Borax) 5.4%	499-492			
15	Demand CS (Lambda-cyhalothrin) ☐ 0.015% ☐ 0.03% ☐ 0.06%	10182-361			
210	DeltaGard G (Deltamethrin) 0.05%	432-836			
158	TriDie Bulk Dust (Silica Gel) 40% (Pyrethrins) 1.0%	499-429			
41	Gentrol EC (Hydroprene) 0.06%	2724-351			
540	Generation Mini Blocks Bait (Difethialone) 0.0025%	7173-218			
43	Kicker EC (Pyrethrins) ☐ 0.05% ☐ 0.1% ☐ 0.2%	4816-1145			
550	LiquiTox II Bait (Disodium Salt of Diphacinone) 0.106%	12455-61			
352	Maxforce FC Roach Bait Stations (Fipronil) 0.05%	64248-11/432-1257			
351	Maxforce FC Ant Bait Stations (Fipronil) 0.01%	64248-10/432-1256			
357	Maxforce FC Ant Gel Bait (Fipronil) 0.001%	64248-21/432-1264			
354	Maxforce FC Roach Bait Gel (Fipronil) 0.01%	64248-14/432-1259			
355	Maxforce FG Insect Bait (Hydramethylnon) 1.0%	64248-19/432-1262			
360	Niban Bait/Niban FG Bait (Orthoboric acid) 5%	64405-2			
147	Ni-Bor D (Disodium Octaborate Tretrahydrate) 98%	64405-8			
46	Nylar EC (Pyriproxyfen) ☐ 0.015% ☐ 0.02%	11715-307-57079			
49	Orthene Turf, Tree, & Shrub WP (Acephate) 75%	59639-26-ZA			
380	Pre-Empt Roach Gel Bait (Imidacloprid) 2.15%	3125-525/432-1365			
65	PT Orthene Aerosol (Acephate) 1.0%	499-378			
151	PT Cy-Kick Aerosol (Cyfluthrin) 0.1%	499-470			
70	PT Cy-Kick CS (Cyfluthrin) 0.025% 0.05% 0.1%	499-304			
312	PT Avert Gel Bait (Abamectin B1) 0.05%	499-410			
69	PT 565 Plus XLO Aerosol (Pyrethrins) 0.5%	499-290			
159	PT TriDie Aerosol (Silica Aerogel) 4.8% (Pyrethrins) 0.6%	499-385			
121	Suspend SC (Deltamethrin) ☐ 0.01% ☐ 0.03% ☐ 0.06%	432-763			
81	Tempo Ultra WP (Cyfluthrin) ☐ 0.025% ☐ 0.05% ☐ 0.1%	3125-482/432-1357			
83	Tempo SC Ultra (Cyfluthrin) 0.025%	3125-498/432-1363			
91	ULD BP 100 ULV (Pyrethrins) 1.0%	499-452/11540-9			
92	ULD BP 300 ULV (Pyrethrins) 3.0%	499-450/11540-1			
591	Weatherblok XT Bait (Brodifacoum) 0.005%	10182-339			
520	Contrac Blox Bait (Bromadiolone) 0.005%	12455-79			

Areas Inspected and/or Treated

Pest Control materials used indicated by codes from list at left.

- ☐ Food Areas 600
- ☐ Dining Areas
- ☐ Offices 600
- ☐ Public Areas
- ☐ Rest/Locker Rooms
- ☐ Display Areas
- ☐ Laundry/Boiler Room
- ☐ Storage/Utility
- ☐ Warehouse Area
- ☐ Processing Areas
- ☐ Patient Rooms
- ☐ Guest Rooms
- ☐ Basement
- ☐ Roof
- ☐ Exterior Perimeter
- ☐ Landscaped Areas
- ☐ Loading Dock/Dumpster
- ☐ Other _____

Precautions

Keep out of reach of children and pets.
May cause eye, nose, throat, or skin irritation.
Avoid breathing vapors mists, or dusts. Harmful if swallowed.
Dampen granules to activate.
Do not tamper with rodenticide placements.
Do not return to room until after ventilation.
Do not touch treated areas until dry.
For flea treatments, remain off treated area for a minimum of four hours or until dry.

Treatment Code (T/C): C = Crack & Crevice, V = Void, G = General, S = Spot, BT = Bait, DC = Directed Contact, B = 3' Band, SP = Space, IN = Inspection

Equipment Code (E/C): CS = Comp. Air Sprayer, T = Trap, BS = Bait Station, HD = Hand Duster, A = Aerosol, BG = Bait Gun, PT = Power Treatment, F = ULV

Posting Service Sticker? ☐ *Yes* ☐ *No*

Supervisor's Comments:

Prior Balance.: .00
Base Amt.....: + 150.00
Tax Charge....: +

SPECIAL SERVICE INSTRUCTIONS

CHECK BAIT STATIONS EACH VISIT,SEE SRV.MGR.
CLEAN & FILL AS NECESSARY.TREAT OUTSIDE OF
TRAILERS CONTACT TREBOR FOR SCHEDULING.

CUSTOMER'S SIGNATURE

SERVICE TECHNICIAN'S SIGNATURE DATE 2-25-04

AMOUNT PAID ☐ CASH ☐ CHECK

Total Due.....: 150.00

UNRESOLVED PROBLEMS?
CALL 1-800-TERMINIX (1-800-837-6464)

CUSTOMER INFORMATION

BRADLEY LANDFILL &
9227 TUJUNGA AVE
SUN VALLEY, CA 91352

TERMINIX.

Service Areas–Activity and Conditions Observed

This IPM report details where pests were found in and around the facility. The report also lists those steps you can take to help limit or minimize pest invasions. For each of the areas listed below, numbers represent the type of pests found in the area, and letters represent any conditions present that may be contributing to a current, or possibly a future, pest infestation.

Interior Areas	Pests	Conditions	Food Areas	Pests	Conditions
☑ Offices	16-17	Good	☑ Dining Area	16-17	Good
☐ Lobby/Public Areas			☑ Stove/Oven Line	16-17	Good
☐ Entryways			☐ Food Storeroom		
☐ Rest/Locker Rooms			☐ Dishwashing Area		
☐ Janitor Closets			☐ Deli/Bakery		
☐ Laundry			☐ Processing Area		
☐ Boiler/Furnace Room			☐ Packaging Area		
☐ Storage Utility			☐ Produce Area		
☐ Warehouse			☐ Meat/Seafood Shop		
☐ Basement			**Exterior Areas**		
☐ Patient Rooms			☐ Exterior Walls–North		
☐ ICU			☐ Exterior Walls–South		
☐ Linen Storage Rooms			☐ Exterior Walls–East		
☐ Kitchenettes			☐ Exterior Walls–West		
☐ Nurses Stations			☐ Loading Dock		
☐ Guest Rooms			☐ Dumpster		
☐ Banquet/Meeting Rooms			☐ Exterior Storage Rooms		
☐ Display Aisles #			☐ Roof		
☐ Other			☐ Other		
☐ Other			☐ Other		

1. German Cockroaches	6. Pharaoh Ants	11. Occasional Invaders	16. Rats
2. American Cockroaches	7. Pavement Ants	12. Hunting Spiders	17. Mice
3. Oriental Cockroaches	8. Fire Ants	13. Web-Building Spiders	18. Stored Product Pests
4. Outdoor Cockroaches	9. Argentine Ants	14. Brown Recluse Spiders	19. Other
5. Silverfish	10. Ants.	15. Black Widow Spiders	20. Other

A. Drain Clogged/Dirty	I. Paper/Litter	Q. Poor Storage Practices	Y. Move Dumpster Away From Bldg.
B. Food Debris Under Table	J. Water leak	R. Repair Water Damaged Wood	Z. Dumpster Area Needs Cleaned
C. Food Debris On Shelf	K. Mops Improperly Stored	S. Seal Exterior Cracks/Holes	AA. Mercury Vapor Lights Outside
D. Food Debris Under Appliance	L. Trash Containers Need Cleaning	T. Trim Back Tree/Shrub Branches	BB. Keep Doors Closed
E. Wet Organic Matter in Cracks	M. Heavy Dust/Dirt Deposits	U. Remove Piles of Debris	CC. Repair Door/Screen
F. Grease Deposits on Floor	N. Numerous Cobwebs Present	V. Cut Tall Grass/Weeds	DD. Replace DoorWeatherstripping
G. Grease Deposits on Equipment	O. Repair Floor/Tiles/Wall/Ceiling	W. Improve Outside Drainage	EE. Poor Outdoor Storage Practices
H. Soiled Dishes Left Over Night	P. Seal Holes/Cracks in Walls	X. Install Gravel Foundation Barrier	FF. Other

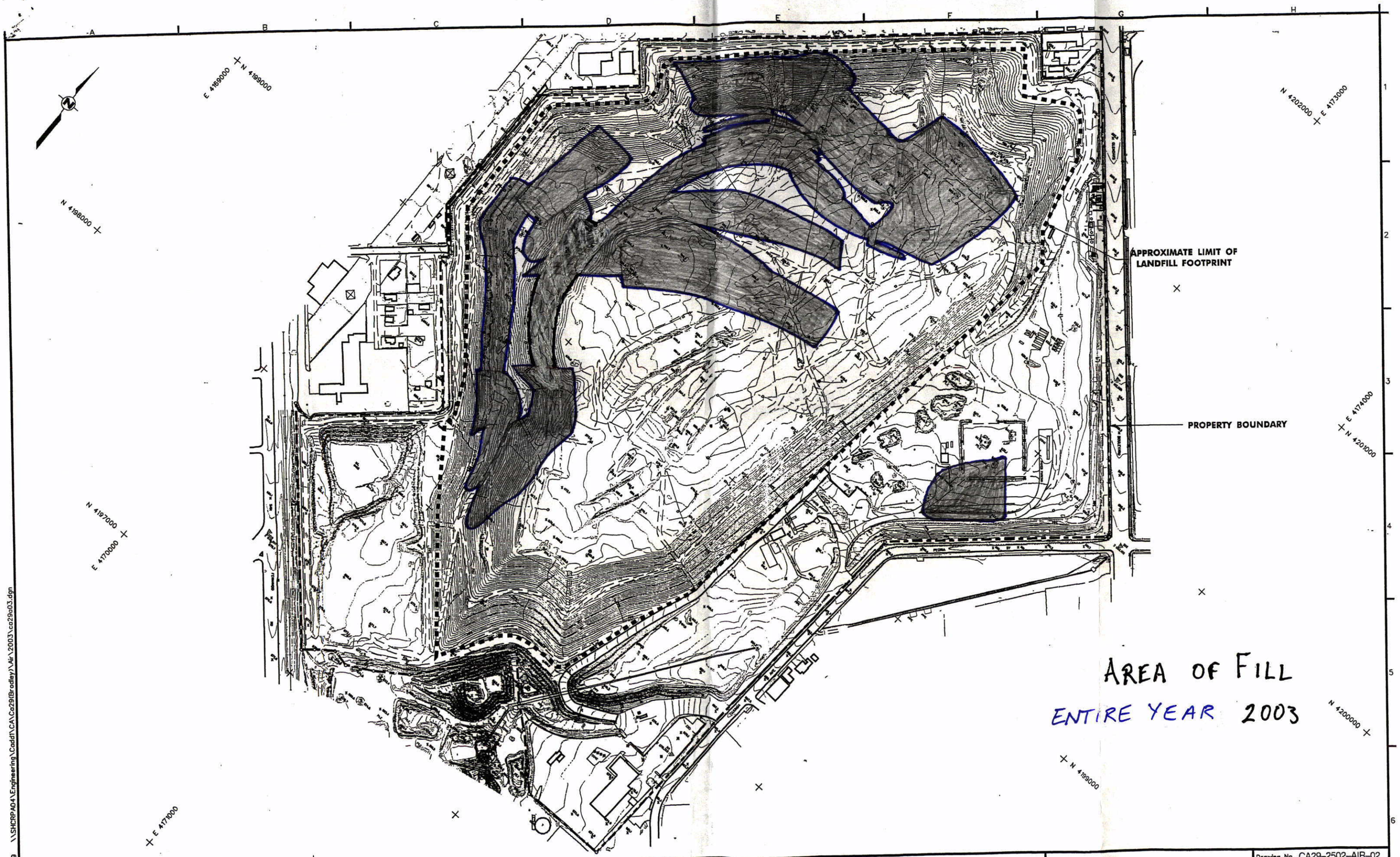
Comments

Customer's Signature | Service Professional's Signature | Date

CUSTOMER'S COPY

APPENDIX I

Figures Showing Filled Waste Areas



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Revisions

No.	Description	Date	By

Approved By: J. Workman
Checked By: J. Workman
Drawn By: Corp. CADD

Project Location:
BRADLEY LANDFILL
SUN VALLEY, CALIFORNIA

2003 TOPOGRAPHY DATED APRIL 30, 2003

Drawing No. CA29-2502-AIR-02

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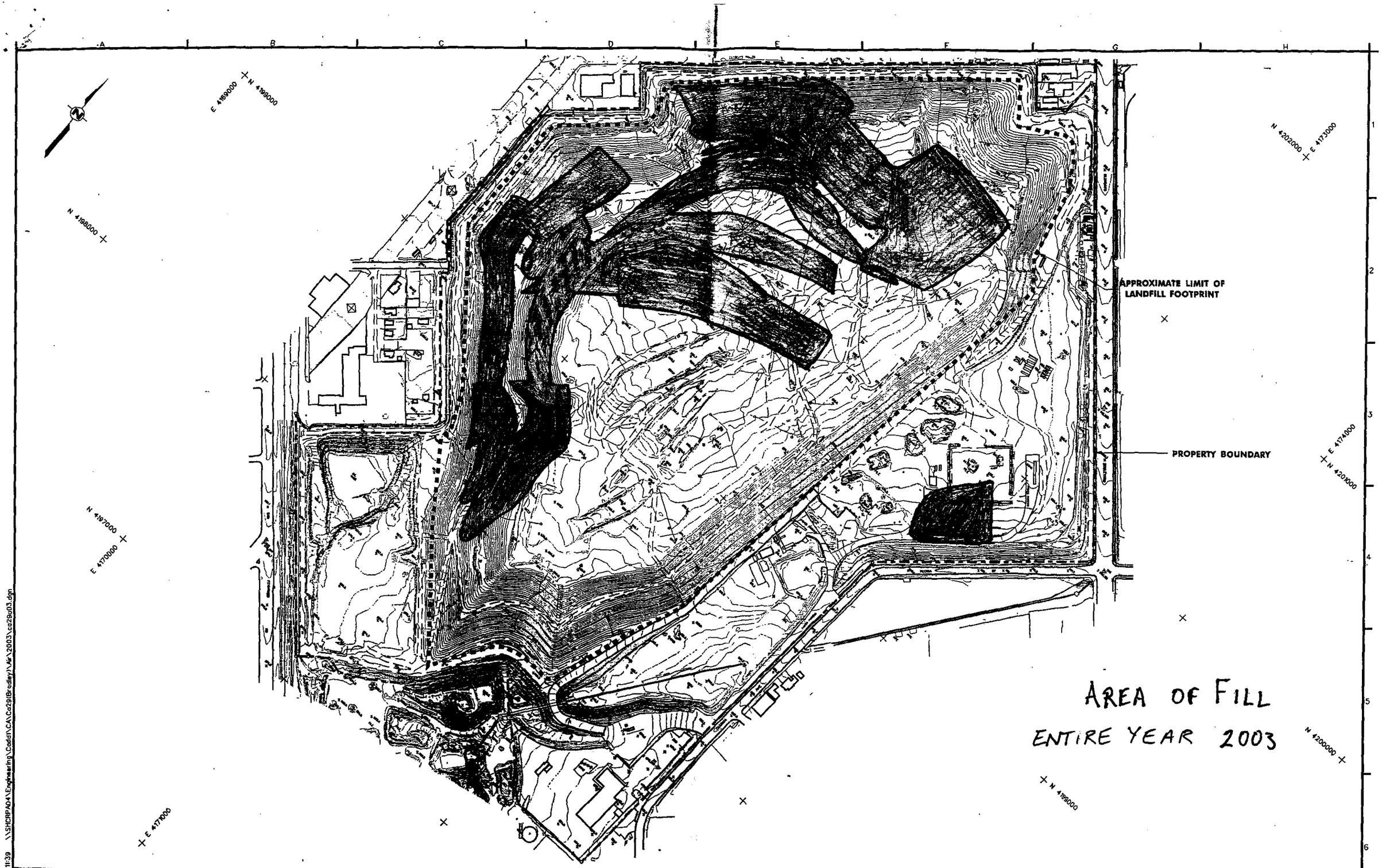
Date:	May 2003	2



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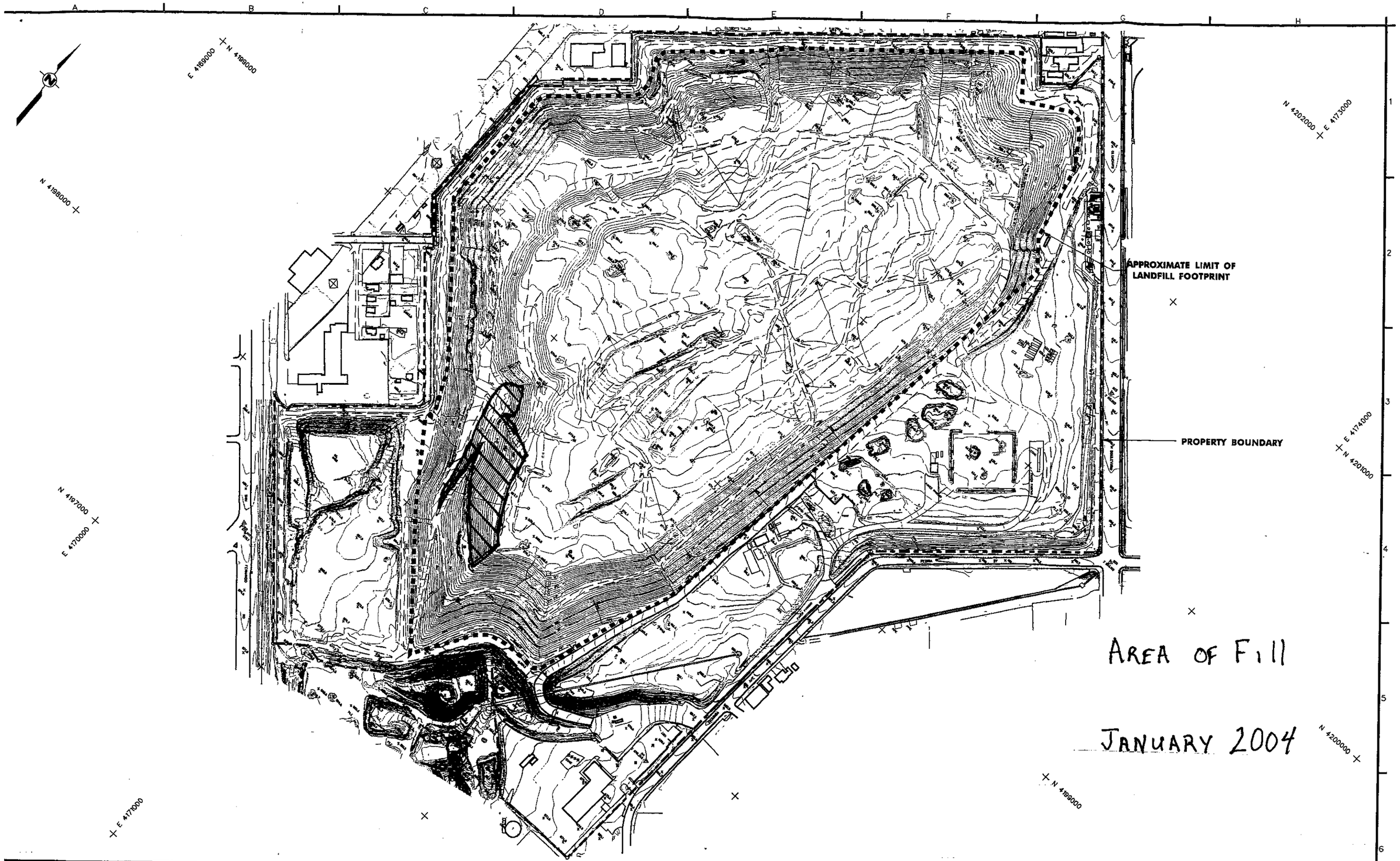

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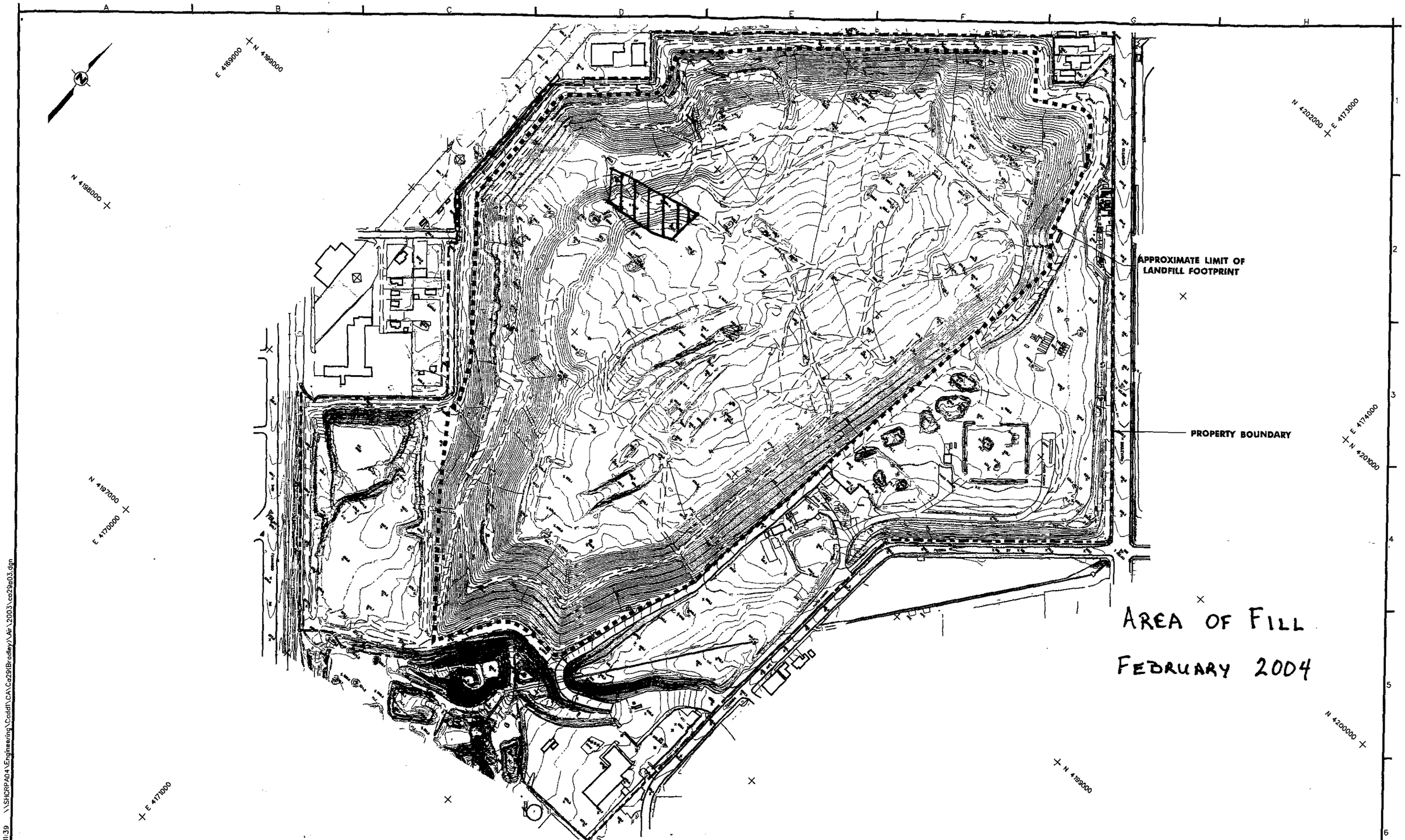

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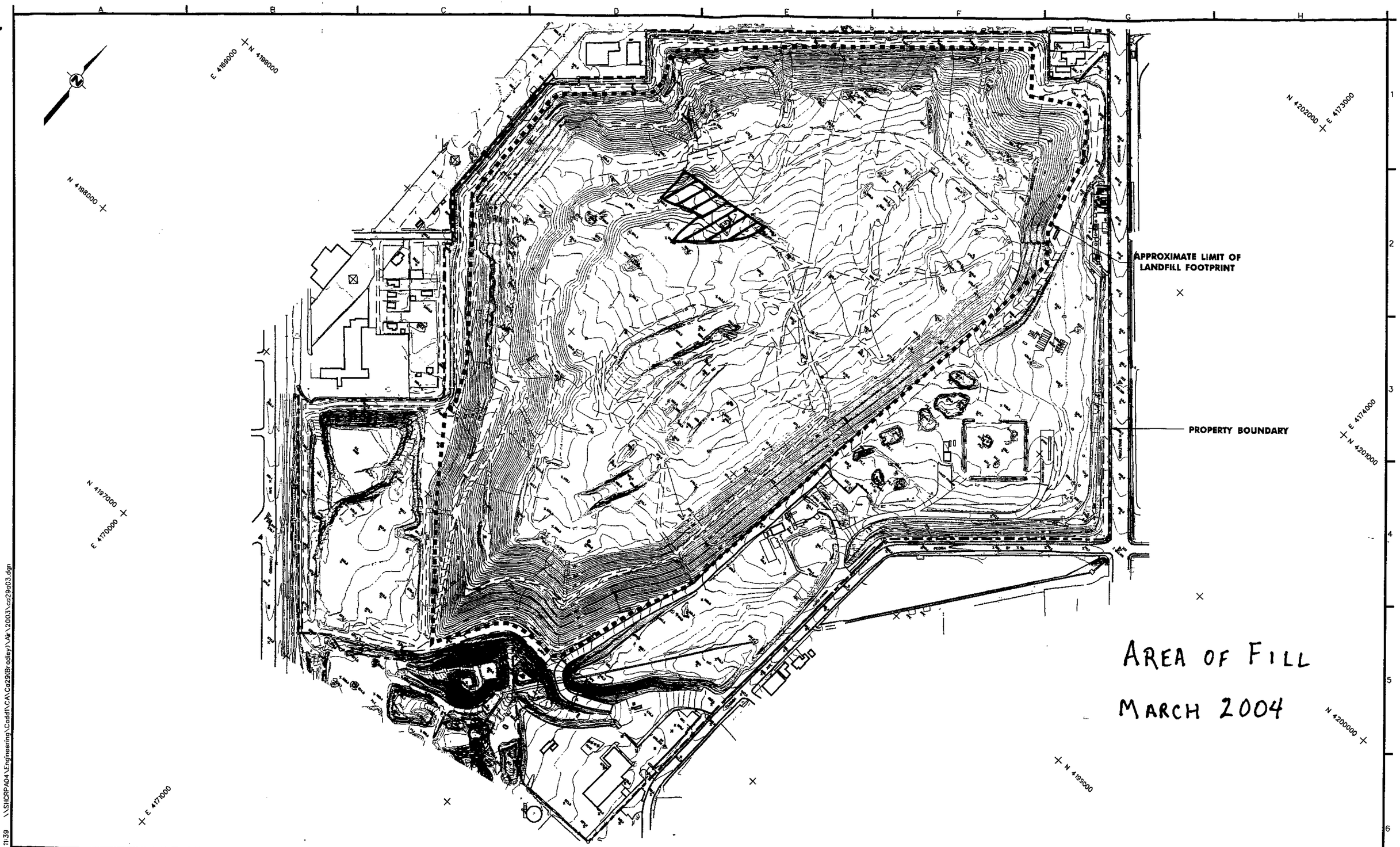

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