EMCON/OWT, Inc.
1326 North Market Boulevard
Sacramennto, CA 95834
916.928.3300
Fax: 916.565.4356

Shaw® EMCON/OWT, Inc.

April 15, 2005
Project No.: 828830.0102000000

Mr. David Elias
Regional Water Quality Control Board, San Francisco Bay Region
1515 Clay Street, Suite 14
Oakland, California 94612

Re: Submittal of the First Quarter 2005 Monitoring Report, American Canyon Sanitary Landfill, Napa County, California

Dear Mr. Elias:

On the behalf of the Napa Vallejo Waste Management Authority, the attached First Quarter 2005 Monitoring Report for the American Canyon Sanitary Landfill was prepared consistent with the Waste Discharge Requirements (WDR) Order No. 97-072 adopted by the California Regional Water Quality Control Board, San Francisco Bay Region on June 27, 1997, and WDR General Order No. 93-113 (effective October 9, 1994). Essential points of the first quarter 2005 monitoring event are listed below:

No municipal solid waste was accepted at the site during the first quarter of 2005.

During the first quarter 2005, no violations of the monthly on-site observation requirements in the monitoring program were observed. Also, no problems were noted with the facilities monitoring systems.

Water level measurements indicate a general groundwater flow to the northeast. An average groundwater velocity of 0.0011 feet per year for the Bay Mud water-bearing zone was calculated based on site-specific data and the first quarter groundwater elevation measurements.

LEACHATE

To evaluate leachate buildup beneath the site, leachate elevation measurements were taken in January 27, 2005 from several of the LFG extraction wells and the leachate wells. These measurements indicate that the quantity of leachate beneath the site measured during the first quarter of 2005 has not significantly changed since measured in

the fourth quarter 2004. Although, several of the leachate extraction wells have produced deeper and larger cones of depression in the leachate mound, indicating mound reduction. This is evidence of the extensive remediation program that has been started to reduce the leachate mound.

During the first quarter 2005, 307,200 gallons of leachate were transported to VSD. Leachate was collected for analysis from the Phase 1 leachate truck, and analytical results were submitted to the VSD, in a separate report. As described in Section 4 of the report the leachate extraction system was temporarily shutdown following complications during the placement of the final cover in the Phase II portion of the landfill.

WATER QUALITY

Wells G-2, G-3A, G-8, and GW-6 are generally upgradient groundwater monitoring wells; wells G-1, G-4, G-6AR, G-7, G-9, G-10, GW-4, and G2-D are downgradient wells. However, wells G-4, G-6AR, and G-9 could not be sampled because they were flooded by water that had inundated the wetlands that surround the landfill. The surface water sampling points are located at the slough on the east side of the landfill. Both the upstream (S-1) and the downstream (S-2) monitoring points are sampled only during ebb tide (when the tide is receding). Both monitoring points S-1 and S-2 were sampled this quarter for chemical analysis.

Unimpacted Wells

Wells G-2, G-4, G-6AR, G-7, G-9, G-2DR, GW-4 and GW-6 are considered unimpacted wells. One VOC was detected (a trace concentration of tetrachloroethene in G-2) in samples from the unimpacted wells during the first quarter 2005.

No tolerance limits were exceeded for inorganic parameters.

Two primary MCLs were exceeded in the unimpacted wells; arsenic in wells G-2DR and GW-4.

All groundwater samples exceeded the secondary MCLs for TDS and EC which is from intrusion of brackish water from the Napa River.

Impacted Wells

During the first quarter 2005, several VOCs were noted in the impacted wells:

- G-10 – No compounds were detected;
- G-1 – No compounds were detected;
- G-3A – Chlorobenzene and benzene were detected above the PQL; and isopropylbenzene, MTBE, 1,2-DCB, 1,3-DCB, and 1,4-DCB were detected at trace concentrations;
- G-8 – Naphthalene was detected above the PQL, and benzene, ethylbenzene, and xylenes were detected at trace concentrations.

Three primary MCLs were exceeded; arsenic in wells G-1, G-8 and G-10. The secondary MCLs for TDS and EC were exceeded in all the impacted wells. These secondary MCL exceedances are naturally-occurring and not indicative of worsening water quality.

Thirteen statistically significant increasing trends were noted in the first quarter 2005; arsenic and cadmium in well G-8; arsenic, cadmium, chromium, lead, and pH in well G-3A; pH, arsenic, lead, chromium, and pH in well G-10; and arsenic and chromium in G-1 (Table 12).

Twelve statistically significant decreasing trends were noted in the first quarter 2005; p-isopropyltoluene, 1,2,4-TMB, 1,3,5-TMB, toluene, benzene, n-propylbenzene, MC, and isopropylbenzene in well G-8. MC in well G-3A; toluene, benzene and MC in well G-1; and none in well G-10 (Table 12).

In addition, numerous parameters did not show either an increasing or decreasing trend.

This appears to indicate that the level of groundwater impact at these wells may have stabilized. The effects of the more aggressive remediation approach to both leachate and landfill gas extraction will be evaluated in future monitoring reports. As the leachate mound is reduced, the potential for landfill contaminants to be released will be mitigated.

Surface Water

No VOCs were detected. None of the monitoring parameter concentration limits were exceeded this quarter. No primary MCLs were exceeded this quarter.

The secondary MCLs for TDS, pH and EC were exceeded in both the upstream and downstream monitoring points. The surface water samples were collected from a slough, which is tidally influenced by the Napa River. The TDS, pH, and EC exceedances are due to the tidal influences of the Napa River and not the landfill.

LANDFILL GAS

The LFG monitoring probe compliance standard states that the concentration of total organic carbons (TOCs) (as methane) shall not exceed five percent by volume in air (which is the lower explosive limit [LEL]) at the landfill property line. During the first quarter 2005, no measurable amounts of methane were detected in MP-2 through MP-5 and MP-7. MP-1 was not measured due to water in the lines. MP-6 was saturated by high groundwater and was not measured. The structures were also monitored on February 24, 2005. No methane was detected during the first quarter 2005 monitoring event from the gas plant or the maintenance building. Thus, the site is in compliance for subsurface and structure monitoring criteria.

If you have any questions, please call.

Sincerely,

EMCON/OWT, INC.

J. C. Isham
Project Manager

Attachment: First Quarter 2005 Monitoring Report, EMCON/OWT, Inc.

cc: Trent Cave, NVWMA

FIRST QUARTER 2005 MONITORING REPORT

AMERICAN CANYON SANITARY LANDFILL

NAPA COUNTY, CALIFORNIA

Prepared for:

Napa Vallejo Waste Management Authority

April 15, 2005

Prepared by:

Shaw™ *EMCON/OWT, Inc.*
1326 N. Market Boulevard
Sacramento, California 95834-1912

Project No.: 828830.01020000

First Quarter 2005 Monitoring Report
American Canyon Sanitary Landfill
Napa County, California

The material and data in this report were prepared under the supervision and direction of the undersigned.

Shaw™ EMCON/OWT, Inc.

for Charles S. Metzinger
Project Manager

Shaw™ EMCON/OWT, Inc.

J. C. Isham, RG, CEG, CHG
Geology Manager

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1 INTRODUCTION

The American Canyon Sanitary Landfill (ACSL) is a 130-acre Class III solid waste disposal site owned and operated by Napa Vallejo Waste Management Authority (Authority). The landfill is located adjacent to the east bank of the Napa River at the end of Eucalyptus Drive in Napa County (Figure 1).

The first quarter 2005 monitoring for the ACSL was conducted consistent with the ACSL's Waste Discharge Requirements (WDR) Order No. 97-072, adopted by the California Regional Water Quality Control Board, San Francisco Bay Region (RWQCB), on June 27, 1997, and WDR General Order No. 93-113 (effective October 9, 1994). Essential points of the monitoring program per the WDRs are listed below:

The monitoring network under the WDRs is summarized in Table 1. As part of the site's monitoring program, samples for chemical analysis are to be collected from twelve groundwater monitoring wells: four upgradient wells (G-2, G-3A, G-8, and GW-6), and eight downgradient wells (G-1, G-4, G-6AR, G-7, G-9, G-10, GW-4, and G-2D). There are also two surface water locations upstream and downstream of the landfill (S-1 and S-2, respectively). Samples are collected quarterly from all the wells and S-1 and S-2 as listed above. Monitoring locations are shown on Figure 2.

Table 2 summarizes the chemical analyses to be conducted for the monitoring network, which includes monitoring parameters to be analyzed quarterly and constituents of concern (COCs) to be analyzed once every 5 years. First quarter 1996 was the first 5-year COCs monitoring event. The second COCs event was conducted in the third quarter 2001. The next COC event will be in 2006. Leachate from the site is required to be monitored prior to disposal at the wastewater treatment plant (WWTP). Table 2 also summarizes the analytical requirements for leachate going to the WWTP, currently the Vallejo Sanitation District (VSD).

The ACSL landfill gas (LFG) monitoring network consists of seven LFG probes (MP-1 through MP-7) located at the property line and two onsite structures (gas plant and maintenance building). The probe and structure locations are shown on Figure 2.

Quarterly LFG probe monitoring consists of measuring methane concentrations, oxygen concentrations, and soil gas pressures in the LFG monitoring probes with a portable combustible gas analyzer, GEM 500. Quarterly LFG structure monitoring consists of methane monitoring at the gas plant and maintenance building.

As of July 29, 1995, the ACSL stopped accepting waste. Instead, waste formerly accepted at the ACSL is being taken to the Devlin Road Transfer Station.

2 WASTE QUANTITIES, PLACEMENT, AND ON-SITE OBSERVATIONS

As noted in the introduction, as of July 29, 1995, the ACSL is no longer accepting waste on a regular basis. Instead, waste formerly accepted at the ACSL is being taken to the Devlin Road Transfer Station.

During the first quarter 2005, the site was operated in compliance with WDR Order No. 97-072 and General Order No. 93-113.

2.1 Waste Monitoring

No municipal solid waste or sludge was accepted at the site during the first quarter of 2005. Final cover was placed on the Phase II area during the fourth quarter as shown on Figure 3.

2.2 On-site Observations

Both monthly and quarterly observations are made by site personnel at the ACSL. Results of the on-site observations are discussed below and presented in Tables 3 and 4.

2.2.1 Monthly Inspections

Site inspections were performed by site personnel monthly throughout the first quarter of 2005. The results of the on-site observation program for the first quarter of 2005 are summarized in Table 3. Specific observations of the site's (1) receiving waters (the adjacent slough), (2) waste management unit (WMU), and (3) WMU perimeter are required per WDR Order No. 97-072. The locations where observations are to be made are shown on Figure 2.

No problems were observed during the first quarter 2005 monthly on-site observations (Table 3).

2.2.2 Quarterly Observations

WDR Order No. 97-072 requires quarterly observations of the site's facilities monitoring systems:

- Leachate monitoring and control facilities (wells, pumps, sumps, pipes, and tanks)
- Runoff/run-on control facilities
- Perimeter diversion channels
- Final and interim cover systems

These facilities are to be observed for proper and safe operations. Deficiencies are to be noted, and any necessary remedial action(s) taken are to be described. Information regarding quarterly observations is provided by the site operations manager.

These facilities are shown on Figure 2. During the first quarter 2005, no problems were noted with any of these systems (Table 4).

3 GROUNDWATER FLOW AND VELOCITY CALCULATIONS

WDR Order No. 97-072 requires that the monitoring report include a graphic description of groundwater flow and velocity calculations under/around the WMU based on past and present water elevation data and pertinent visual observations.

3.1 Groundwater Flow and Contour Map

A groundwater contour map (Figure 4) was prepared based on the first quarter 2005 groundwater elevations (Table 5). Groundwater flow is generally towards the northeast, which is indicative of groundwater recharge from the Napa River.

3.2 Groundwater Velocity

An average groundwater flow velocity of 0.0011 feet per year was calculated based on the first quarter groundwater elevations. The groundwater flow velocity calculations are presented in Appendix A.

4 EVALUATION OF THE LEACHATE MONITORING/CONTROL FACILITY EFFECTIVENESS

WDR Order No. 97-072 requires the quarterly monitoring report to include an evaluation of the site's leachate monitoring and/or control facilities effectiveness. This evaluation is to include an evaluation of (1) the leachate buildup within the WMU, (2) a summary of the leachate volumes removed from the WMUs, and (3) a discussion of the methods used to dispose of the site's leachate.

4.1 Leachate Buildup Evaluation

To evaluate leachate buildup beneath the site, on January 27, 2005, EMCON/OWT, Inc. took leachate elevation measurements from the site's LFG extraction wells and leachate wells. The resulting leachate depth measurements are summarized in Table 6. A contour map of the leachate for the site was thus prepared and is presented as Figure 5. This drawing was compared to previous leachate contour maps to determine if the leachate mound is subsiding at the site.

The leachate mound conditions in January 2005, as shown on Figure 5, were compared to a leachate contour map prepared during the fourth quarter 2004 The mound conditions between the first quarter 2005 and fourth quarter 2004 have not noticeably changed. Although, several of the leachate extraction wells have produced deeper and larger cones of depression in the leachate mound, indicating mound reduction. This is evidence of the extensive remediation program that has been started to reduce the leachate mound.

4.2 Leachate Quantity and Quality

Table 7 summarizes the amount of leachate that has been hauled off-site to the WWTP at the VSD in Vallejo, California. During the first quarter 2005, 307,200 gallons of leachate were transported to VSD. This amount is less than the amount pumped last quarter (110,400 gallons), because the leachate extraction wells were shutdown due to high levels of chromium in November 2004.

As required by the VSD, on March 10, 2005, EMCON/OWT, Inc. collected leachate from the leachate truck. The results from this monitoring event were submitted as a separate report to the VSD. The analytical results are included in Table 8.

The results of the testing of leachate indicates that the leachate was compliant with the VDS limits for March 2005.

A leachate management system is currently under construction to distribute leachate to a zone of high oxidation in the Phase II portion of the landfill. This system will transfer leachate from Phase I area wells to a new series of shallow soaker wells installed in a portion of the landfill that has exhibited high temperatures and the presence of carbon monoxide.

5 SAMPLING AND ANALYSIS PROGRAM

The ACSL monitoring network consists of 12 groundwater monitoring wells (G-1, G-2, G-3A, G-4, G-6AR, G-7 through G-10, GW-4, GW-6, and G-2D), and two surface water monitoring points (S-1 and S-2). The twelve monitoring wells are screened in two separate water bearing zones. Wells G-1, G-2, G-3A, G-4, G-6AR, and G-7 through G-10 are screened across first encounter water in the bay mud. Wells GW-4, GW-6, and G-2D are screened in sand layers encountered deeper into the bay mud.

Wells G-2, G-3A, G-8, and GW-6 are upgradient groundwater monitoring wells; wells G-1, G-4, G-6AR, G-7, G-9, G-10, GW-4, and G2-D are downgradient wells. The surface water sampling points are located at the slough on the east side of the landfill. Both the upstream (S-1) and downstream (S-2) monitoring points are sampled only during ebb tide (when the tide is receding).

Samples from these monitoring points are to be collected and analyzed for the monitoring parameters and COC parameters listed on Table 2. However, wells G-4, G-6AR, and G-9 could not be sampled because they were flooded by water that had inundated the wetlands that surround the landfill. COCs monitoring takes place every fifth year; the next event will be held in 2006.

5.1 First Quarter 2005 Monitoring Event

Groundwater and surface water samples for the first quarter of 2005 were collected on January 11 and 12, 2005, by EMCON/OWT's, Inc. field personnel. Wells G-4, G-6AR, and G-9, which are located in the wetlands that surround the landfill, could not be sampled because they were flooded by Napa River water. Purging, sampling, and well information are presented on the field data sheets in Appendix B. The sampling procedures used are based on guidelines presented in the following documents:

- Procedures Manual for Groundwater Monitoring at Solid Waste Disposal Facilities, U.S. Environmental Protection Agency (USEPA), EPA-530/SW-611, August 1977
- Test Methods for Evaluating Solid Waste: Physical/Chemical Methods, USEPA, EPA SW-846, fourth edition, November 1986

- Methods for Organic Chemical Analysis of Municipal and Industrial Wastewater, USEPA, EPA-600/4-82/057, July 1982

- Resource Conservation and Recovery Act Groundwater Monitoring Technical Enforcement Guidance Document, Office of Solid Waste Emergency Response 9950.1, September 1986

A duplicate sample was collected as part of field quality control (QC) procedures. The duplicate sample, which was collected from well G-8, was analyzed to document field and analytical precision. The duplicate was packed and shipped "blind" to the laboratory for analysis with the other samples (i.e., this sample did not exhibit any special markings indicating that it was collected from well G-8).

Trip and field blanks were collected during the sampling event to detect contamination introduced through sampling procedures, external field conditions, sample transportation, container preparation, sample storage, and the analytical process. A trip blank is a sample bottle filled with deionized water, sealed by the laboratory and sent to EMCON/OWT, Inc. along with sample containers for the sampling event. The trip blank accompanies sample containers to and from that event but at no time is opened or exposed to the atmosphere. A field blank is an empty sample bottle supplied by the laboratory to field personnel to fill with laboratory-supplied water at a specific well. The sample water and bottle are thus exposed to the ambient atmosphere at this location.

Samples were collected, preserved, and then transported with the appropriate chain-of-custody documentation to BC Labs, a state-certified laboratory, for analyses. Purge water was discharged to the ground surface. Table 2 lists the typical analytical methods used by the laboratory to analyze the parameters in the monitoring program. Table 9 summarizes sample collection and preservation information. The field report and water sample field data sheets for the first quarter 2005 monitoring event are contained in Appendix B.

6 ANALYTICAL RESULTS AND DATA EVALUATION

The analytical results for the first quarter 2005 monitoring event are summarized on Tables 10 and 11, and a tabular summary of historical data is included in Appendix C. Sample results are reported in the certified analytical reports with both the practical quantitation limit (PQL) and the method detection limit (MDL). The MDL is a statistically derived number determined through repeated analyses of a blank matrix spiked at low levels on similar equipment. MDLs and PQLs reflect the detection and quantitation capabilities of a specific analytical procedure and equipment used by the laboratory. Analytical results that are above the MDL but below the PQL are reported as "trace." Certified analytical reports and chain-of-custody records are contained in Appendix D. The QC results are presented below, followed by a discussion of the analytical data.

6.1 QC Results

As part of EMCON/OWT's, Inc. evaluation of the first quarter 2005 data, the analytical results were assessed based on field and laboratory QC considerations.

6.1.1 Maximum Holding Times

Sample holding times were reviewed to determine if the laboratory conducted the analytical procedures within the recommended holding times specified by the analytical methodology. Analyses were performed within USEPA recommended holding times.

6.1.2 Field QC

As discussed previously in Section 5, a field duplicate sample was collected as part of field QC procedures. The analytical results for these samples are summarized on Table 10. The duplicate sample was analyzed for volatile organic compounds (VOCs), arsenic, cadmium, chromium, copper, lead, nickel, and total dissolved solids (TDS). The results for the duplicate sample, which was collected from well G-8, showed that good analytical reproducibility was maintained.

Trip and field blanks were collected during the first quarter 2005 sampling event to detect contamination introduced through sampling procedures, external field conditions, sample transportation, container preparation, sample storage, and the analytical process. Both the trip and field blanks were analyzed for VOCs. No VOCs were detected in the field or trip blanks.

6.1.3 Laboratory QC

Analysis of laboratory QC samples is routinely conducted as part of the analytical protocol for each method. The laboratory QC included method blanks, surrogate spikes, matrix spikes (MS), matrix spike duplicates (MSD), laboratory control samples (LCS), and laboratory control sample duplicates (LCSD). Method blanks are analyzed daily to assess the effect of the laboratory environment on the samples. Surrogate spike recoveries are used to assess analytical accuracy and the effect of the sample matrix on the analysis. MS and MSD are samples spiked with known amounts of the target analytes and are evaluated to determine whether the sample matrix is interfering with the laboratory analysis and to assess sample homogeneity. LCS and LCSD samples are similar to MS samples, but the spikes are performed on laboratory water, eliminating any matrix effects.

- Nickel and lead were detected in the laboratory method blanks for surface water.
- All surrogate spike recoveries were within acceptance limits.
- All MS and MSD recoveries, and the relative percent differences (RPDs) between duplicate results, were within acceptance limits.
- All LCS and LCSD recoveries, and the RPDs between duplicate results, were within acceptance limits.

The results for the QC samples are included with the certified analytical reports in Appendix E. Additional QC information, such as frequency of QC analyses, laboratory personnel qualifications, and equipment detection limits, are available from BC Labs.

6.2 Data Evaluation Methods

Consistent with ACSL WDR Order No. 97-072, two data evaluation methods are to be used to evaluate downgradient well data at ACSL: comparison to regulatory established maximum contaminant levels (MCLs) and an intrawell statistical method. Even though the site's WDRs only require data evaluation of the downgradient wells, the upgradient

and crossgradient wells will also be evaluated in order to obtain a more comprehensive understanding of the analytical data at the ACSL. These two methods of data evaluation, as well as a third method from General Order No. 93-113, will be implemented at ACSL.

6.2.1 Evaluation Using Detection Limits

RWQCB WDR General Order No. 93-113 requires organic data to be evaluated relative to their detection limits. A tentative impact is to be identified if either of the following conditions is met:

- Two or more qualifying organic compounds are detected at concentrations equal to, or exceeding, their respective MDLs.
- One qualifying organic compound is detected at a concentration equal to, or exceeding, it's PQL.
- Organic compounds detected at concentrations above their MDLs, but below their PQL, are referred to as trace detections.

6.2.2 Evaluation Using MCLs

Per ACSL WDR Order No. 97-072, the downgradient wells and surface water monitoring points at ACSL are to be compared to appropriate MCLs. MCLs are drinking water standards that establish limits for substances that may affect health or aesthetic qualities of water. Two types of standards have been promulgated: primary MCLs and secondary MCLs. Primary standards are established for the protection of public health. These standards specify limits for substances in water that may be harmful if consumed in excess for long periods. Secondary standards have been established based on aesthetic qualities of water such as taste, odor, and clarity. These standards specify limits for substances that may influence consumer acceptance of water. California drinking water standards are listed in the California Code of Regulations, (CCR) Title 22, Sections 64431 through 64672.3. Federal drinking water standards are listed in 40 Code of Federal Regulations, Parts 141 and 143. The MCLs for the ACSL analytical parameters are presented on Tables 10 and 11.

6.2.3 Evaluation Using Statistics

Downgradient Wells. Per WDR Order No. 97-072, if an appropriate MCL for a downgradient well is exceeded, this constituent is to be evaluated using an intrawell statistical method. The inorganic data from the unimpacted wells will be evaluated using the intrawell tolerance limit method, and the impacted and tentatively impacted wells' data will be evaluated using the trend analysis method. Both methods are explained in Section 6.2.4 and in Appendix E.

Surface Water. Organic and inorganic surface water data will be evaluated by comparison to detection limits and MCLs. Inorganic data will also be evaluated using interpoint tolerance limits as explained below.

6.2.4 Statistical Methods

Statistical evaluations for the ACSL are conducted using a statistical software program called Sanitas®, which was developed by Intelligent Decision Technologies, Ltd. (IDT). Sanitas is specifically designed for groundwater monitoring data evaluation at landfills. It meets the statistical requirements of CCR, Title 27, and WDR General Order No. 93-113 (which incorporates Subtitle D statistical requirements).

Because data have been collected for the ACSL since 1980, the quantity of data available for the site is abundant. When reviewing the data, EMCON determined that only the data since 1990 are needed for statistical evaluation. Older data were not used because sampling and analysis methods may have changed. Thus, only data obtained since 1990 are used to conduct statistical evaluations for the ACSL.

It should be noted that statistical evaluations were not conducted for electrical conductivity (EC) because historically, for most of the ACSL wells, EC measurements have typically been greater than 20,000 micromhos per centimeter, which is higher then most EC meters can detect, making it difficult to evaluate EC using statistics. Similarly, using statistics for evaluating turbidity is also inappropriate, since turbidity measures disturbance of sediments rather than water quality. The historically high EC readings are a result of brackish surface water intrusion to the groundwater from the Napa River.

Tolerance Interval Method. The tolerance interval method was used to calculate concentration limits to determine statistically significant evidence of a release of inorganic constituents from a WMU. With one exception, analytical data are compared to the upper concentration limit; an exceedance of an upper concentration limit may be indicative of a release from the landfill. The exception is pH, for which both a lower and

an upper concentration limit are proposed. The pH values that fall below the lower limit or exceed the upper limit may be indicative of landfill impact.

At least eight quarters of historical data values are recommended to establish tolerance limits. For more detail regarding how concentration limits are calculated, see Appendix E.

Intrawell Method for Groundwater. For unimpacted wells, the use of the tolerance limit method can determine if water quality is worsening over time. Using upgradient wells as background is inappropriate where spatial variation is significant because the data set from the upgradient well may not encompass the range of naturally-occurring constituent concentrations detected in groundwater around the site. In such instances, intrawell comparisons should be used. In other words, each well should function as its own background. As described in "Proposed Alternative Groundwater Monitoring Program for the ACSL" (EMCON, December 1994), groundwater quality at the ACSL exhibits statistically significant spatial variation. Therefore, the intrawell tolerance limit method is used to evaluate the groundwater data for inorganic compounds at ACSL for the unimpacted wells. Intrawell concentration limits are updated on an annual basis during the fourth quarter. The COCs event occurred third quarter 2001, the concentration limits for the COCs parameters were updated at that time. The use of an intrawell method for statistical evaluation of ACSL groundwater data is approved per WDR Order No. 97-072.

Interpoint Method for Surface Water. Surface water at the ACSL is evaluated using the interpoint tolerance interval method, which uses the analytical data collected at upstream location S-1 to set limits to compare the downstream data collected at S-2. Interpoint concentration limits for surface water are updated on a quarterly basis.

Trend Analysis. For wells that are considered to be impacted or tentatively impacted, the intrawell trend analysis method is used for evaluating analytical data to identify statistically significant trends. A trend is a general increase or decrease in the value of observations of a particular variable over time. The Sen's Nonparametric Estimator of Slope (Sen's Slope) and the Mann-Kendall test for trend are used to identify statistically significant trends in the monitoring data.

Only constituents with four or more values detected above the MDL are evaluated for trends. Trend analyses were conducted only on data collected from the time data were first detected above the MDL. For more information on the trend analysis method, see Appendix F.

6.3 First Quarter 2005 Data Evaluation

6.3.1 Unimpacted Wells

The wells considered to be unimpacted at this site are downgradient wells G-2D, G-4, G-6AR, G-7, G-9, GW-4; and upgradient wells G-2 and GW-6. Wells G-4, G-6AR and G-9 could not be sampled because they were flooded with Napa River water.

Evaluation Using Detection Limits for Organic Data. One VOC was detected: a trace concentration of tetrachloroethene (0.23 µg/L) was detected in well G-2, samples from the unimpacted wells during the first quarter 2005 as shown on Table 10.

Evaluation Using MCLs and Concentration Limits for Inorganic Data. Using historical data, intrawell concentration limits were established for inorganic data for the unimpacted wells. These limits are updated annually in the fourth quarter. Analytical results from the first quarter 2005 were compared to the calculated concentration limits and to established MCLs (see Table 10).

No tolerance limits were exceeded for inorganic parameters.

Two primary MCLs were exceeded in unimpacted wells during the first quarter 2005; arsenic in wells G-2DR (0.065 mg/L) and GW-4 (0.058 mg/L) exceeded the primary MCL of 0.05 mg/L.

All the downgradient and upgradient well samples exceeded the secondary MCLs for TDS and EC. TDS and EC do not appear to be appropriate parameters for comparisons to MCLs since groundwater at ACSL is recharged by the Napa River, which is brackish water (tidally mixed with San Pablo Bay waters). The first quarter 2005 analytical results confirm that these high inorganic values are naturally occurring since the same secondary MCLs (TDS and EC) are exceeded in unimpacted upgradient wells G-2 and GW-6. Table 11 also shows that TDS and EC exceeded these standards for the upstream and downstream surface water monitoring points S-1 and S-2.

Historical summaries of the analytical data are included in Appendix C.

6.3.2 Impact Study Wells

The historical analytical data in Appendix C show that groundwater from two upgradient wells, G-3A and G-8, consistently contain low concentrations of VOCs. Additionally, samples from well G-8 historically have contained semi-volatile organic compounds

(SVOCs). Past quarterly monitoring reports have presented possible sources of impact to these wells to include the upgradient levee (which is partially constructed of refuse debris and located to the southwest of the wells), another upgradient source (such as the abandoned landfill on State Lands Commission property to the southwest of the ACSL), the Napa River, or leakage from the ACSL.

In November 2000, a workplan was submitted to the RWQCB to investigate the source of impact to wells G-3A and G-8. Verbal direction from the RWQCB has been that this investigation would not be necessary.

However, the U. S. Army Corps of Engineers completed an investigation of the abandoned landfill (HTW Screening Characterization, June 2001) on State Laws commission property, which is upgradient of the ACSL. A copy of the characterization study is contained in Appendix F of the fourth quarter 2001 report. The study consisted of a comprehensive soil, sediment, and surface water sampling program. A review of the VOC and SVOC detections in the samples collected from the abandoned landfill area indicates that the abandoned landfill debris could be the source of some of the VOCs and SVOCs detected in wells G-3A and G-8. In addition, high levels of various metals were also detected in soil samples from the abandoned landfill.

As noted in the site's WDR Order No. 97-072, two downgradient wells, G-1 and G-10, have also been defined as impacted wells.

Evaluation Using Detection Limits, MCLs, and Trends for Organic Data. During the first quarter 2005, several VOCs were noted in the impacted wells as shown on Table 10:

- G-10 – No compounds were detected;
- G-1 – No compounds were detected;
- G-3A – Chlorobenzene and benzene were detected above the PQL at concentrations of 6.8 and 0.6 µg/L, respectively; isopropylbenzene, MTBE, 1,2-DCB, 1-3-DCB, and 1,4-DCB were detected at trace concentrations of 0.32, 0.15, 0.1, 0.16, and 0.14 µg/L, respectively.
- G-8 – Naphthalene was detected above the PQL at a concentration of 3.1 µg/L, benzene, ethylbenzene, and xylenes were detected at trace concentrations of 0.15, 0.18, and 0.49 µg/L, respectively.

Twelve statistically significant decreasing trends were noted; MC in well G-3A; toluene, benzene, and MC in well G-1; none in well G-10; and p-isopropyloluene, 1,2,4-TMB,

1,3,5-TMB, toluene, benzene, n-propylbenzene, MC, and isopropylbenzene in well G-8 (Table 12).

In addition, no increasing trends were noted for VOCs, and numerous parameters did not have any trends. This appears to indicate that the level of organic impact at these wells may have stabilized or is declining.

Evaluation Using MCLs and Trends for Inorganic Data. For wells that are impacted (G-3A and G-8) or tentatively impacted (G-1 and G-10), the analytical data were evaluated by comparing the data to MCLs, as well as by conducting trend analyses to identify statistically significant trends.

Three primary MCLs were exceeded; arsenic exceeded the MCL of 0.05 mg/L in well G-1 (0.13 mg/L), well G-8 (0.067 mg/L), and well G-10 (0.056 mg/L). The secondary MCLs for TDS and EC were exceeded in all the impacted wells. However, as explained in Section 6.3.1, these secondary MCL exceedances are naturally-occurring and not indicative of worsening water quality.

Thirteen statistically significant increasing trends were noted in the first quarter 2005; arsenic and cadmium in well G-8;, arsenic, cadmium, chromium, lead, and pH in well G-3A; arsenic, lead, chromium, and pH in well G-10; and arsenic and chromium in G-1 (Table 12).

In addition, numerous parameters did not show either an increasing or decreasing trend.

Historical summaries of the analytical data are included in Appendix D, and the trend analysis results are included in Appendix E.

6.3.3 Surface Water

During the first quarter 2005 sampling event, surface water samples were collected during ebb tide from upstream monitoring point S-1 and downstream monitoring point S-2. The surface water samples are collected from an unnamed slough to the east of the landfill (Figure 2). This slough is tidally influenced and receives recharge from the Napa River. The slough water is same source water that has flooded the wetlands around the landfill.

The monitoring parameter results are included in Table 11. Interpoint concentration limits were established for inorganic data during the first quarter 2005 for the inorganic monitoring parameters using the data collected from S-1. For more information regarding

how concentration limits are calculated see Appendix E. These limits were then used to evaluate the first quarter 2005 analytical results for S-2.

None of the monitoring parameter concentration limits were exceeded for surface water this quarter (see Table 11).

No VOC compounds were detected.

No primary MCLs were exceeded during this quarter.

The secondary MCLs for TDS, pH, and EC were exceeded in both the upstream and downstream monitoring points. The surface water samples were collected from a slough, which is tidally influenced by the Napa River. The TDS, pH, and EC exceedances are due to the tidal influences of the Napa River and not the landfill. Historical summaries of the data are included in Appendix C.

7 LFG MONITORING

7.1 Monitoring Network

The monitoring network consists of seven LFG probes (MP-1 through MP-7) and two on-site structures, as shown in Figure 2.

7.2 Probe Monitoring

Methane concentrations, oxygen concentrations, and soil gas pressures were measured on February 24, 2005 with a portable combustible gas analyzer, GEM 500. The monitoring data are presented in Table 13, and the gas monitoring field sheets are included in Appendix B.

The compliance standard states that the concentration of total organic compounds (as methane) shall not exceed 5 percent by volume in air (which is the lower explosive limit [LEL]) at the landfill property line. During the first quarter, no measurable amounts of methane were detected in MP-2 through MP-5 and MP-7. Probe MP-1 was not measured due to water in the lines. Probe MP-6 was saturated by high groundwater and was not measured. These are indications of very high groundwater, which would prevent the movement of LFG through the vadose zone. The site is in compliance with the subsurface monitoring criteria.

7.3 Structure Monitoring

Structures to be monitored at the ACSL include the maintenance building and the gas plant. The compliance standard states that the concentration of total organic compounds (as methane) shall not exceed 1.25 percent by volume in on-site structures. The structures were monitored on February 24, 2005. No methane was detected during the first quarter 2005 monitoring event from the gas plant or the maintenance building. Thus, the site is in compliance for structure monitoring.

8 SUMMARY

No municipal solid waste was accepted at the site during the first quarter of 2005.

During the first quarter 2005, no violations of the monthly on-site observation requirements in the monitoring program were observed. Also, no problems were noted with the facilities monitoring systems.

Water level measurements indicate a general groundwater flow to the northeast. An average groundwater velocity of 0.0011 feet per year for the Bay Mud water-bearing zone was calculated based on site-specific data and the first quarter groundwater elevation measurements.

LEACHATE

To evaluate leachate buildup beneath the site, leachate elevation measurements were taken in January 27, 2005 from several of the LFG extraction wells and the leachate wells. These measurements indicate that the quantity of leachate beneath the site measured during the first quarter of 2005 has not significantly changed since measured in the fourth quarter 2004. Although, several of the leachate extraction wells have produced deeper and larger cones of depression in the leachate mound, indicating mound reduction. This is evidence of the extensive remediation program that has been started to reduce the leachate mound.

During the first quarter 2005, 307,200 gallons of leachate were transported to VSD. Leachate was collected for analysis from the Phase 1 leachate truck, and analytical results were submitted to the VSD, in a separate report. As described in Section 4 of the report the leachate extraction system was temporarily shutdown following complications during the placement of the final cover in the Phase II portion of the landfill.

WATER QUALITY

Wells G-2, G-3A, G-8, and GW-6 are generally upgradient groundwater monitoring wells; wells G-1, G-4, G-6AR, G-7, G-9, G-10, GW-4, and G2-D are downgradient wells. However, wells G-4, G-6AR, and G-9 could not be sampled because they were flooded by water that had inundated the wetlands that surround the landfill. The surface water

sampling points are located at the slough on the east side of the landfill. Both the upstream (S-1) and the downstream (S-2) monitoring points are sampled only during ebb tide (when the tide is receding). Both monitoring points S-1 and S-2 were sampled this quarter for chemical analysis.

Unimpacted Wells

Wells G-2, G-4, G-6AR, G-7, G-9, G-2DR, GW-4 and GW-6 are considered unimpacted wells. One VOC was detected (a trace concentration of tetrachloroethene in G-2) in samples from the unimpacted wells during the first quarter 2005.

No tolerance limits were exceeded for inorganic parameters.

Two primary MCLs were exceeded in the unimpacted wells; arsenic in wells G-2DR and GW-4.

All groundwater samples exceeded the secondary MCLs for TDS and EC which is from intrusion of brackish water from the Napa River.

Impacted Wells

During the first quarter 2005, several VOCs were noted in the impacted wells:

- G-10 – No compounds were detected;
- G-1 – No compounds were detected;
- G-3A – Chlorobenzene and benzene were detected above the PQL; and isopropylbenzene, MTBE, 1,2-DCB, 1,3-DCB, and 1,4-DCB were detected at trace concentrations;
- G-8 – Naphthalene was detected above the PQL, and benzene, ethylbenzene, and xylenes were detected at trace concentrations.

Three primary MCLs were exceeded; arsenic in wells G-1, G-8 and G-10. The secondary MCLs for TDS and EC were exceeded in all the impacted wells. These secondary MCL exceedances are naturally-occurring and not indicative of worsening water quality.

Thirteen statistically significant increasing trends were noted in the first quarter 2005; arsenic and cadmium in well G-8; arsenic, cadmium, chromium, lead, and pH in well G-3A;

pH, arsenic, lead, chromium, and pH in well G-10; and arsenic and chromium in G-1 (Table 12).

Twelve statistically significant decreasing trends were noted in the first quarter 2005; p-isopropyltoluene, 1,2,4-TMB, 1,3,5-TMB, toluene, benzene, n-propylbenzene, MC, and isopropylbenzene in well G-8. MC in well G-3A; toluene, benzene and MC in well G-1; and none in well G-10 (Table 12).

In addition, numerous parameters did not show either an increasing or decreasing trend.

This appears to indicate that the level of groundwater impact at these wells may have stabilized. The effects of the more aggressive remediation approach to both leachate and landfill gas extraction will be evaluated in future monitoring reports. As the leachate mound is reduced, the potential for landfill contaminants to be released will be mitigated.

Surface Water

No VOCs were detected. None of the monitoring parameter concentration limits were exceeded this quarter. No primary MCLs were exceeded this quarter.

The secondary MCLs for TDS, pH and EC were exceeded in both the upstream and downstream monitoring points. The surface water samples were collected from a slough, which is tidally influenced by the Napa River. The TDS, pH, and EC exceedances are due to the tidal influences of the Napa River and not the landfill.

LANDFILL GAS

The LFG monitoring probe compliance standard states that the concentration of total organic carbons (TOCs) (as methane) shall not exceed five percent by volume in air (which is the lower explosive limit [LEL]) at the landfill property line. During the first quarter 2005, no measurable amounts of methane were detected in MP-2 through MP-5 and MP-7. MP-1 was not measured due to water in the lines. MP-6 was saturated by high groundwater and was not measured. The structures were also monitored on February 24, 2005. No methane was detected during the first quarter 2005 monitoring event from the gas plant or the maintenance building. Thus, the site is in compliance for subsurface and structure monitoring criteria.

LIMITATIONS

The services described in this report were performed consistent with generally accepted professional consulting principles and practices. No other warranty, expressed or implied, is made. These services were performed consistent with our agreement with our client. This report is solely for the use and information of our client unless otherwise noted. Any reliance on this report by a fourth party is at such party's sole risk.

Opinions and recommendations contained in this report apply to conditions existing when services were performed and are intended only for the client, purposes, locations, time frames, and project parameters indicated. We are not responsible for the impacts of any changes in environmental standards, practices, or regulations subsequent to performance of services. We do not warrant the accuracy of information supplied by others, or the use of segregated portions of this report.

REFERENCES

EMCON. 1994. Proposed Alternative Groundwater Monitoring Program, ACSL. December.

EMCON. 1999. Groundwater Impact Study at the ACSL. February.

Table 1
Monitoring Network
American Canyon Sanitary Landfill

Monitoring Points to be Sampled Quarterly (unless noted)				
G-1*	G-6AR	G-10	S-1 [1]	leachate tank [2]
G-2*	G-7	G-2D	S-2 [1]	
G-3A [1]	G-8 [1]	GW-4		
G-4	G-9	GW-6		

Notes:
[1] Includes semiannual sampling (first and third quarters) for semi-VOCs.
[2] Analytical sampling as required by Vallejo Sanitation District (see Table 3).

Wells Included in the Quarterly Water Level Survey				
G-1	G-10	L-1**	GR-5**	GR-13**
G-2	G-12	L-2**	GR-6**	GR-14**
G-3A	G-1D	L-3**	GR-7**	approx. 30 gas extraction wells
G-4	G-2D	PL-2	GR-8**	
G-6AR	G-3D	GR-1**	GR-9**	
G-7	GW-2	GR-2**	GR-10**	
G-8	GW-4	GR-3**	GR-11**	
G-9	GW-6	GR-4**	GR-12**	

Notes:
**Wells require overnight recharge prior to sampling.*
***Leachate wells (GR, L, and PL series wells).*
G series wells monitor the first-encountered water-bearing zone in the Bay Mud.
GW series wells monitor sand units within the Bay Mud.

Table 2

American Canyon Sanitary Landfill
Analytical Test Methods and Sampling Hold Times

Analytical Parameters	USEPA Analytical Method	Holding Time	Reference
Constituents of Concern (next event - year 2006)			
Semivolatile Organic Compounds	8270	7 days extraction 40 days analysis	1
Organochlorine Pesticides and PCBs	8081/8082	7 days extraction 40 days analysis	1
Chlorinated Herbicides	8151	7 days extraction 40 days analysis	1
Chloride	300.0	28 days	2
Nitrate as Nitrogen	353.2	28 days	2
Total Kjeldahl Nitrogen	351.4	28 days	2
Total Organic Carbon	415.1	28 days	2
Sulfide	376.1	7 days	2
26 ICP Metals[a]	6000 & 7000 series	6 months[b]	2
Cyanide	335.2/SM 4500-CNF	14 days	2
Organophosphorus Pesticides	8141	7 days extraction 40 days analysis	1
Monitoring Parameters			
Semivolatile Organic Compounds	8270	7 days extraction 40 days analysis	1
Volatile Organic Compounds	8260	14 days	1
Arsenic	7060/206.2	6 months	2
Cadmium	6010/200.7	6 months	2
Chromium	6010/200.7	6 months	2
Copper	6010/200.7	6 months	2
Lead	7421/239.2	6 months	2
Nickel	6010/200.7	6 months	2
Total Dissolved Solids	160.1	7 days	2
Turbidity	field meter	analyzed immediately	2
pH	field meter	analyzed immediately	2
Electrical Conductivity	field meter	analyzed immediately	2

Table 2 (continued)

American Canyon Sanitary Landfill
Analytical Test Methods and Sampling Hold Times

Analytical Parameters	USEPA Analytical Method	Holding Time	Reference
Vallejo Sanitation District Required Analyses			
Arsenic	206.2	6 months	2
Beryllium	200.7	6 months	2
Cadmium	213.1/213.2	6 months	2
Chromium, Total	200.7	6 months	2
Copper	200.7	6 months	2
Lead	239.1/239.2	6 months	2
Mercury	245.1/245.2	6 months	2
Nickel	200.7	6 months	2
Selenium	270.2	6 months	2
Silver	200.7	6 months	2
Zinc	200.7	6 months	2
Total Phenols	420.1/420.2	28 days	2
Total Cyanide	335.2/SM 4500-CNF	14 days	2
Total Oil and Grease	1664	28 days	2
Identifiable Chlorinated Hydrocarbons (Organochlorine Pesticides and PCBs)	608/8080	7 days extraction 40 days analysis	1
pH	9040	analyzed immediately	2
5-Day Biochemical Oxygen Demand	SM 5210B	48 hours	2
Total Suspended Solids	106.2	7 days	2

[a] Metals analyzed by USEPA Method series 6000 and 7000 are aluminum, antimony, arsenic, barium, beryllium, boron, cadmium, calcium, chromium, cobalt, copper, iron, lead, magnesium, manganese, mercury, molybdenum, nickel, potassium, silver, sodium, thallium, tin, vanadium, and zinc.

[b] Holding time for all metals is 6 months, with the exception of mercury (28 days).

[1] Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, U.S. Environmental Protection Agency (USEPA), SW-846, November 1986.

[2] Methods for Chemical Analysis of Water and Wastes, USEPA, EOA-600/4-79-020, March 1983.

Table 3

American Canyon Sanitary Landfill
On-Site Observations[1]

Station Type	Station Observations: Date:	First Quarter 2005 October	November	December
S	Floating and suspended materials of waste origin: presence or absence, source, and size of affected area	NO	NO	NO
S	Discoloration and turbidity: description of color, source, and size of affected area	NO	NO	NO
S	Evidence of odors, presence or absence, characterization, source, and distance of travel from source	NO	NO	NO
S	Evidence of beneficial use: presence of water-associated wildlife	NO	NO	NO
S	Flow Rate (g.p.m.)	NORMAL	NORMAL	NORMAL
S	Weather conditions: wind direction and estimated velocity, total precipitation during the past five days and on the day of observation	NO	NO	NO
V	Evidence of ponded water at any point in the waste management facility	NO	NO	NO
V	Evidence of odors, presence or absence, characterization, source, and distance of travel from source	NO	NO	NO
V	Evidence of erosion and/or daylighted refuse	NO	NO	NO
P	Evidence of liquid leaving or entering the waste management unit, estimated size of affected area and flow rate (Show affected area on map)	NO	NO	NO
P	Evidence of odors, presence or absence, characterization, source, and distance of travel from source	NO	NO	NO
P	Evidence of erosion and/or daylighted refuse	NO	NO	NO

[1] Note any leachate seeps on observation map; if seep is >2 gpm, collect sample per WDR/MRP Table A-2.

Station Type: S = slough observations, V = Waste Management Unit observations, P = perimeter observations

If "yes" response to any monthly observation, state station identification number in the box above and note corrective action taken below, see map for station locations.

Corrective action(s) taken:

Print Name of Person Conducting Observations: CHUCK BOWLING

Signature of Person Conducting Observations: [signature]

Table 4

American Canyon Sanitary Landfill
Facilities Monitoring

Observations:	Fourth Quarter 2004
Perimeter diversion channels	OK
Final and interim cover systems	OK
Run-on/Run-off control features	OK
Leachate monitoring system (wells and sumps)	OK
Leachate collection and removal pumping and piping system	OK
Leachate tanks	OK
Inspect for proper and safe operations. Note any deficiencies and actions taken to remediate the problem(s).	
Other observations:	

Table 5

American Canyon Sanitary Landfill
Groundwater Elevations
January 11, 2005

Monitoring Point	Casing Elevation (ft - MSL) [1]	Depth to Water [2] (feet)	Water Elevation (ft - MSL)
G-1	4.51	1.02	3.49
G-1D	6.34	NM	NM
G-2	4.19	1.54	2.65
G-2DR	11.62	7.16	4.46
G-3A	9.28	3.45	5.83
G-3D	7.03	3.00	4.03
G-4	2.60	NM	NM
G-6AR	2.37	NM	NM
G-7	3.93	0.00	3.93
G-8	10.16	4.98	5.18
G-9	1.97	NM	NM
G-10	6.77	2.56	4.21
G-12	6.85	4.10	2.75
GW-4	6.63	4.18	2.45
GW-6	6.77	2.66	4.11

[1] Feet mean sea level
[2] Depth to water measured from top-of-casing.
NM = Not Measured.

Table 6
Leachate Measurements
American Canyon Sanitary Landfill
January 27, 2005

Well ID	Top of Casing Elevation (feet - MSL)	Depth to Leachate (feet)	Leachate Elevation (feet - MSL)
Leachate Wells and Sumps			
GR-1	10.93	8.74	2.19
GR-2	11.43	9.16	2.27
GR-3	14.15	7.40	6.75
GR-4	11.97	7.96	4.01
GR-5	12.77	9.65	3.12
GR-6	9.73	5.62	4.11
GR-7	13.46	6.74	6.72
GR-8	10.23	10.61	-0.38
GR-9	9.89	8.42	1.47
GR-10	11.88	7.98	3.90
GR-11	10.34	6.96	3.38
GR-12	11.60	9.61	1.99
GR-13	11.22	8.14	3.08
GR-14	12.33	6.36	5.97
L-1	44.74	35.83	8.91
L-2	41.49	37.02	4.47
L-3	38.35	29.94	8.41
L-4	36.07	NM	NM
L-5	35.20	32.98	2.22
L-6	39.08	26.34	12.74
L-8	48.60	40.94	7.66
L-9	48.85	30.95	17.90
L-10	47.02	38.36	8.66
L-11	41.21	41.47	-0.26
L-12	44.90	41.04	3.86
L-13	45.40	35.72	9.68
L-14	50.30	44.60	5.70
L-15	39.51	46.98	-7.47
L-16	46.46	27.91	18.55
L-17	42.48	26.47	16.01
L-18	43.86	27.80	16.06
L-19	45.86	27.30	18.56
L-20	47.97	27.82	20.15
L-22	44.89	34.90	9.99
L-23	44.50	48.68	-4.18
L-24	40.11	24.88	15.23
L-25	37.35	22.05	15.30
L-26	37.04	23.18	13.86
L-27	36.96	22.04	14.92
L-28	38.01	20.78	17.23
L-29	42.60	27.47	15.13
L-30	43.20	38.26	4.94
L-31	39.20	44.63	-5.43
L-32	39.56	33.80	5.76
L-33	38.70	27.88	10.82
L-34	37.70	28.78	8.92
L-35	37.40	42.77	-5.37

Table 6
Leachate Measurements
American Canyon Sanitary Landfill
January 27, 2005

Well ID	Top of Casing Elevation (feet - MSL)	Depth to Leachate (feet)	Leachate Elevation (feet - MSL)
EW-3	45.80	26.74	19.06
EW-4	46.80	NM	NM
EW-5	47.70	27.13	20.57
EW-7	48.10	34.26	13.84
EW-9	42.60	36.02	6.58
EW-11	47.80	NM	NM
EW-13	46.30	52.55	-6.25
EW-15	42.30	32.55	9.75
EW-16	42.60	48.95	-6.35
EW-17	42.40	49.01	-6.61
EW-18	41.00	47.10	-6.10
EW-23	40.50	39.55	0.95
EW-27	34.13	29.60	4.53
EW-29	32.90	30.50	2.40
Landfill Gas Wells			
GS-2	45.37	29.30	16.07
GS-7	45.30	32.13	13.17
GS-13	46.01	17.02	28.99
GS-18	36.42	24.33	12.09
GS-24	44.15	NM	NM
GS-25	39.40	23.97	15.43
GS-29	40.00	NM	NM
GS-60	46.63	31.77	14.86
GS-69	45.60	37.55	8.05
GS-80	37.89	38.62	-0.73
GS-85	48.49	35.52	12.97
GS-86	48.78	31.54	17.24
GS-89	42.20	33.83	8.37

MSL = Mean sea level
NM - Not measured.

Table 7

American Canyon Sanitary Landfill
Fourth Quarter 2004 Leachate Quantities
Transported to Wastewater Treatment Plant (Vallejo Sanitation District)

MONTH	Total Leachate (IN GALLONS)
OCTOBER	76,800
NOVEMBER	38,400
DECEMBER	192,000
TOTAL GALLONS	307,200

Table 8

Leachate Analytical Results, First Quarter 2005 Sampling Event
As Required by Vallejo Sanitation District
American Canyon Sanitary Landfill
(Units: mg/L)

Constituent	Leachate Truck 03/10/05	Vallejo Sanitation District Limit Average Daily Concentrations
Organochlorine Pesticides and PCB's [1]		
All Conpounds (total detects)	ND	0.01
Oil and Grease	16	100.0
Arsenic	trace(0.003)	0.04
Beryllium	<0.0002	0.01
Cadmium	<0.0001	0.02
Chromium , Total	0.05	0.10
Copper	<0.003	0.50
Lead	trace(0.002)	0.50
Mercury	<0.00004	0.01
Nickel	<0.03	0.50
Selenium	<0.003	0.02
Silver	<0.005	1.00
Zinc	0.017	1.00
Phenols	NM	2.00
Cyanide	0.04	0.40
pH (std. units), field	8.36	6.0 - 9.0
Total Suspended Solids	trace(7)	No Average
Biochemical Oxygen Demand	59	No Average

[1] Only compounds detected in one or more samples are listed.
ND = Not Detected
Bolded values indicate concentration exceedances.

Table 9

Sample Collection and Preservation Requirements
American Canyon Sanitary Landfill

Analytical Parameters	Volume Required (ml)	Container Type	Preservation
Semivolatile Organic Compounds*,**	1,000	Glass with Teflon-lined cup	Cool to 4° C
Chlorinated Pesticides and Polychlorinated Biphenyls*,***	1,000	Glass with Teflon-lined cup	Cool to 4° C
Chlorinated Herbicides*	1,000	Glass with Teflon-lined cup	Cool to 4° C
Chloride*	50	Plastic	Cool to 4° C
Nitrate-nitrogen*	50	Plastic	H_2SO_4 to pH <2/Cool to 4° C
Total Kjeldahl Nitrogen*	50	Plastic	H_2SO_4 to pH <2/Cool to 4° C
Total Organic Carbon (TOC)*	125	Plastic	H_2SO_4 to pH <2/Cool to 4° C
Sulfides*	500	Plastic	ZnAC NaOH to pH >10 Cool to 4° C
Metals*,**,*** [1]	500	Plastic[2]	HNO_3 to pH <2/Cool to 4° C
Cyanide*,***	1,000	Plastic	NaOH to pH >12/Cool to 4° C
Organophosphorus Pesticides*	1,000	Glass with Teflon-lined cup	Cool to 4° C
Volatile Organic Compounds (VOCs)**	40	Glass with Teflon-lined cup	HCl to pH <2/Cool to 4° C
Total Dissolved Solids (TDS)**	100	Plastic	Cool to 4° C
Turbidity**	Field Measurement	NA	NA
pH**,***	Field Measurement	NA	NA
Electrical Conductivity**	Field Measurement	NA	NA
Total Phenols***	1,000	Glass	H_3PO_4 & $CuSO_4$/cool to 4°C
Petroleum Based Oil and Grease***	1,000	Glass	H_2SO_4/cool to 4°C
Total Identifiable Chlorinated Hydrocarbons (Organochlorine Pesticides and PCB's)***	1,000	Glass	NP/cool to 4°C
5-Day Biochemical Oxygen Demand***	1,000	Glass	NP/cool to 4°C
Total Suspended Solids***	500	Glass	NP/cool to 4°C

* Constituents of concern. Metals include aluminum, antimony, arsenic, barium, beryllium, boron, cadmium, calcium, chromium (total), cobalt, copper, iron, lead, magnesium, manganese, mercury, molybdenum, nickel, potassium, selenium, silver, sodium, thallium, tin, vanadium, and zinc.
** Monitoring parameters: Metals include: arsenic, cadmium, chromium, copper, lead, and nickel.
*** Vallejo Sanitation District requirements. Metals include: arsenic, beryllium, cadmium, chromium, copper, lead, mercury, nickel, selenium, silver, zinc.
[1] Groundwater samples are field filtered through a 0.45-micron acrylic copolymer filter before preservation.
[2] Plastic = linear polyethylene.
NA = Not applicable

Table 10
American Canyon Sanitary Landfill
First Quarter 2005 Groundwater Monitoring Data
Monitoring Parameters, Tentatively Impacted Wells, and Impacted Wells
(Units: mg/L, unless noted)

Sample Description Sample Description Sampling Date	Maximum Contaminant Levels Primary	 Secondary	G-3A (upgradient) Result 01/11/05	G-8 (upgradient) Result 01/12/05	 XDUP Results 01/12/05	G-1 (downgradient) Result 01/12/05	G-10 (downgradient) Result 01/11/05	FB-1 Result 01/11/05	TB-1 Result 01/11/05
Volatile Organic Compounds (µg/L) (USEPA Method 8260)									
Naphthalene	NE	NE	<0.093	**3.1**	**3.1**	<0.093	<0.093	<0.093	<0.093
Benzene	1	NE	**0.6**	**trace(0.15)**	**trace(0.15)**	<0.12	<0.12	<0.12	<0.12
Chlorobenzene	70	NE	**6.8**	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12
Ethylbenzene	NE	NE	<0.12	**trace(0.18)**	**trace(0.18)**	<0.12	<0.12	<0.12	<0.12
Xylenes	NE	NE	<0.36	**trace(0.49)**	**trace(0.49)**	<0.36	<0.36	<0.36	<0.36
Tetrachloroethene	NE	NE	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15
Isopropylbenzene	NE	NE	**trace(0.32)**	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14
Methyl tert-butyl ether	NE	NE	**trace(0.15)**	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12
1,2-Dichlorobenzene	NE	NE	**trace(0.1)**	<0.077	<0.077	<0.077	<0.077	<0.077	<0.077
1,3-Dichlorobenzene	NE	NE	**trace(0.16)**	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14
1,4-Dichlorobenzene	NE	NE	**trace(0.14)**	<0.14	<0.14	<0.14	<0.14	<0.14	<0.14
Semivolatile Organic Compounds (µg/L) (USEPA Method 8270)									
All Compounds	NE	NE	ND	ND	NA	NA	NA	NA	NA
Metals									
Arsenic, Dissolved	0.05	NE	0.048	0.067	0.063	0.13	0.056	NA	NA
Cadmium, Dissolved	0.005	NE	<0.027	<0.027	<0.027	<0.027	<0.027	NA	NA
Chromium, Dissolved	0.05	NE	0.017	0.005	0.007	0.012	<0.004	NA	NA
Copper, Dissolved	1.3	1	<0.0041	<0.0041	<0.0041	<0.0041	<0.0041	NA	NA
Lead, Dissolved	0.015	NE	<0.00014	<0.00027	<0.00014	<0.00027	<0.00027	NA	NA
Nickel, Dissolved	0.1	NE	0.025	<0.011	<0.011	0.018	0.03	NA	NA
General Water Quality Parameters									
Total Dissolved Solids	NE	500/1,000/1,500 [1]	9,100	15,500	15,300	26,800	18,800	NA	NA
pH (std. units)(field)	NE	6.5-8.5	6.81	6.71	NA	6.61	6.68+	NA	NA
Electrical Conductivity (umhos/cm)	NE	900/1,600/2,200 [1]	15,820	25,310	NA	45,990	22,070	NA	NA

Only organic compounds detected in one or more samples are listed.
Bolded results indicate concentration limit exceedence, underlined results indicate MCL exceedence.
Refer to Appendix for details regarding statistical methodologies used to set concentration limits.
Limits were updated fourth quarter 2003.
[1] = Recommended, upper, and short term limits.
[2] = Because the alpha level (percent false positive level) was greater than 1% (due to greater than 50% non detect values), this concentration limit could not be estimated at this time.

NE = Not Established
NS = Not Samples
NA = Not Analyzed

Table 10
American Canyon Sanitary Landfill
First Quarter 2005 Groundwater Monitoring Data
Monitoring Parameters, Unimpacted Wells
(Units: mg/L, unless noted)

Sample Description	Maximum Contaminant Levels		G-4 (downgradient)		G-7 (downgradient)		G-2DR (downgradient)		GW-4 (downgradient)	
Sample Description			Result	Concentration	Result	Concentration	Result	Concentration	Result	Concentration
Sampling Date	Primary	Secondary	NS	Limit	01/11/05	Limit	01/11/05	Limit	01/11/05	Limit
Volatile Organic Compounds (µg/L) (USEPA Method 8260)										
Naphthalene	NE	NE	NS	detect	<0.093	detect	<0.093	detect	<0.093	detect
Benzene	1	NE	NS	detect	<0.12	detect	<0.12	detect	<0.12	detect
Chlorobenzene	70	NE	NS	detect	<0.12	detect	<0.12	detect	<0.12	detect
Ethylbenzene	NE	NE	NS	detect	<0.12	detect	<0.12	detect	<0.12	detect
Xylenes	NE	NE	NS	detect	<0.36	detect	<0.36	detect	<0.36	detect
Tetrachloroethene	NE	NE	NS	detect	<0.15	detect	<0.15	detect	<0.15	detect
Isopropylbenzene	NE	NE	NS	detect	<0.14	detect	<0.14	detect	<0.14	detect
Methyl tert-butyl ether	NE	NE	NS	detect	<0.12	detect	<0.12	detect	<0.12	detect
1,2-Dichlorobenzene	NE	NE	NS	detect	<0.077	detect	<0.077	detect	<0.077	detect
1,3-Dichlorobenzene	NE	NE	NS	detect	<0.14	detect	<0.14	detect	<0.14	detect
1,4-Dichlorobenzene	NE	NE	NS	detect	<0.14	detect	<0.14	detect	<0.14	detect
Semivolatile Organic Compounds (µg/L) (USEPA Method 8270)										
All Compounds	NE	NE	NS	detect	NA	detect	NA	detect	NA	detect
Metals										
Arsenic, Dissolved	0.05	NE	NS	NE [2]	0.02	0.067	0.065	NE [2]	0.058	NE [2]
Cadmium, Dissolved	0.005	NE	NS	NE [2]	<0.027	NE [2]	<0.027	NE [2]	<0.027	NE [2]
Chromium, Dissolved	0.05	NE	NS	NE [2]	0.004	NE [2]	0.005	NE [2]	<0.004	NE [2]
Copper, Dissolved	1.3	1	NS	NE [2]	<0.0041	NE [2]	<0.0041	NE [2]	<0.0041	NE [2]
Lead, Dissolved	0.015	NE	NS	NE [2]	<0.00014	NE [2]	<0.00014	NE [2]	<0.00014	NE [2]
Nickel, Dissolved	0.1	NE	NS	0.79	<0.011	NE [2]	0.011	0.074	<0.011	NE [2]
General Water Quality Parameters										
Total Dissolved Solids	NE	500/1,000/1,500 [1]	NS	26,000	6,350	22,000	15,200	19,000	17,600	21,000
pH (std. units)(field)	NE	6.5-8.5	NS	4.9-8.0	6.81	5.8-8.1	6.70	6.0-7.6	6.84	5.9-7.4
Electrical Conductivity (umhos/cm)	NE	900/1,600/2,200 [1]	NS	---	25,730	---	26,040	---	20,910	---

Only organic compounds detected in one or more samples are listed.
Bolded results indicate concentration limit exceedence, underlined results indicate MCL exceedence.
Refer to Appendix for details regarding statistical methodologies used to set concentration limits.
Limits were updated fourth quarter 2003.
[1] = Recommended, upper, and short term limits.
[2] = Because the alpha level (percent false positive level) was greater than 1% (due to greater than 50% non detect values), this concentration limit could not be estimated at this time.

NE = Not Established
NS = Not Samples
NA = Not Analyzed

Table 11

American Canyon Sanitary Landfill
First Quarter 2005 Surface Water Monitoring Data
Monitoring Parameters
(Units: mg/L, unless noted)

Sample Description / Sampling Date	Maximum Contaminant Levels Primary	Maximum Contaminant Levels Secondary	S-1 Upstream 01/12/05	S-2 Downstream 01/12/05	Concentration Limit for S-2
Volatile Organic Compounds (µg/L) (USEPA Method 8260)					
All Compounds	NA	NA	ND	ND	detect
Metals					
Arsenic, Total	0.05	NE	0.0046	0.0042	0.1
Cadmium, Total	0.005	NE	<0.0018	<0.018	NE [1]
Chromium, Total	0.05	NE	0.01	0.007	NE [1]
Copper, Total	1.3	1.0	0.046	0.043	0.059
Lead, Total	0.015	NE	0.0042	0.0012	0.01
Nickel, Total	0.1	NE	0.012	0.014	0.14
General Water Quality Parameters					
Total Dissolved Solids	NE	500/1,000/1,500 [2]	960	4,200	33,000
pH (std. units)(field)	NE	6.5-8.5	6.48	6.46	5.3-9.3
Electrical Conductivity (µmhos/cm)(field)	NE	900/1,600/2,200 [2]	24,710	27,070	NA

Refer to Appendix E for details regarding statistical methodologies used to set concentration limits. Surface water limits are updated quarterly.
Bolded results indicate concentration limit exceedence, underlined results indicate MCL exceedence.
ND = Not Detected.
NE = Not Established.
NA = Not Applicable.
[1] = Not established. Due to greater than 50% non detect values, the alpha level (percent false positive rate) is greater than 1%.
[2] = Recommended, upper, and short term limits.

Table 12

American Canyon Sanitary Landfill
First Quarter 2005 Trend Analysis Results
Impacted Study Wells
(Units: mg/L, unless noted)

Sample Description Sampling Date: July 8, 2003	G-1 Significant Trend	G-3A Significant Trend	G-8 Significant Trend	G-10 Significant Trend
Volatile Organic Compounds (µg/L) (USEPA Method 8260)				
p-Isopropyltoluene	NE	NE	**Decreasing**	NE
1,2,4-Trimethylbenzene	Not Significant	Not Significant	**Decreasing**	NE
1,3,5-Trimethylbenzene	NE	NE	**Decreasing**	NE
Acetone	NE	Not Significant	Not Significant	Not Significant
Ethylbenzene	NE	NE	Not Significant	NE
Toluene	**Decreasing**	Not Significant	**Decreasing**	NE
Naphthalene	NE	Not Significant	Not Significant	Not Significant
Chlorobenzene	NE	Not Significant	NE	NE
Benzene	**Decreasing**	Not Significant	**Decreasing**	NE
Total Xylenes	Not Significant	Not Significant	Not Significant	NE
1,2-Dichlorobenzene	NE	Not Significant	NE	NE
1,3-Dichlorobenzene	NE	Not Significant	NE	NE
1,4-Dichlorobenzene	NE	Not Significant	Not Significant	NE
Isopropylbenzene	NE	Not Significant	**Decreasing**	NE
n-Propylbenzene	NE	Not Significant	**Decreasing**	NE
Methylene Chloride	**Decreasing**	**Decreasing**	**Decreasing**	Not Significant
Methyl tert-butyl ether	NE	Not Significant	NE	NE
Metals				
Arsenic, Dissolved	**Increasing**	**Increasing**	**Increasing**	**Increasing**
Cadmium, Dissolved	Not Significant	**Increasing**	**Increasing**	Not Significant
Chromium, Dissolved	**Increasing**	**Increasing**	Not Significant	**Increasing**
Copper, Dissolved	Not Significant	Not Significant	Not Significant	Not Significant
Lead, Dissolved	Not Significant	**Increasing**	NE	**Increasing**
Nickel, Dissolved	Not Significant	Not Significant	Not Significant	Not Significant
General Water Quality Parameters				
Total Dissolved Solids	Not Significant	Not Significant	Not Significant	Not Significant
pH (std. units)(field)	Not Significant	**Increasing**	Not Significant	**Increasing**

Only organic compounds detected in one or more samples are listed.
NE = Not established. Trend analysis only conducted when at least 4 values are detected above the MDL.
Increasing: Statistically significant increasing trend.
Decreasing: Statistically significant decreasing trend.

Table 13

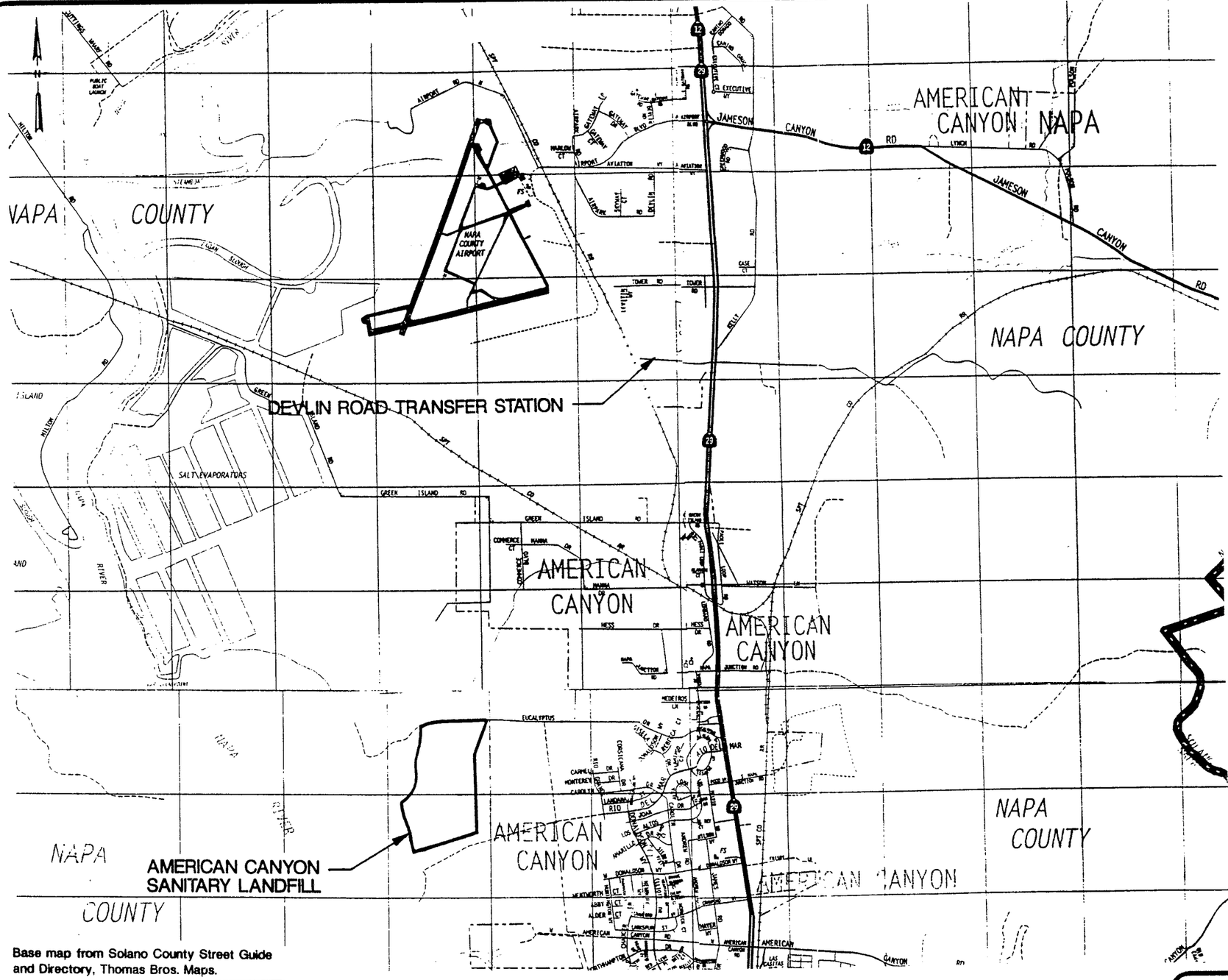
Landfill Gas Monitoring Data
South Napa Waste Management Authority
American Canyon Sanitary Landfill
First Quarter 2005

Instrument Used: GEM 500
Sampled by: Paul Weinhardt

Sampling Point	Date Sampled	Methane (CH4) (% volume)	Oxygen (O2) (% volume)
MP-1	02/24/05	NM [1]	NM [1]
MP-2	02/24/05	0.0	18.9
MP-3	02/24/05	0.0	19.1
MP-4	02/24/05	0.0	18.2
MP-5	02/24/05	0.0	20.3
MP-6	02/24/05	NM [2]	NM [2]
MP-7	02/24/05	0.0	17.6
Gas Plant	02/24/05	0.0	19.7
Maintenance Bldg.	02/24/05	0.0	19.9

Compliance per California Code of Regulations Title 27:
- For structures: methane must not exceed 1.25 % methane by % volume
- For boundary: methane gas must not exceed 5 % methane by % volume

NM [1] = not measured, water in lines.
NM [2] = not measured, probe under water.
Bold - indicates exceedence of compliance concentrations.
[1] = See Figure A-1: Landfill Gas Monitoring Protocol for details regarding LFG field measurement recording procedures.



Base map from Solano County Street Guide and Directory, Thomas Bros. Maps.

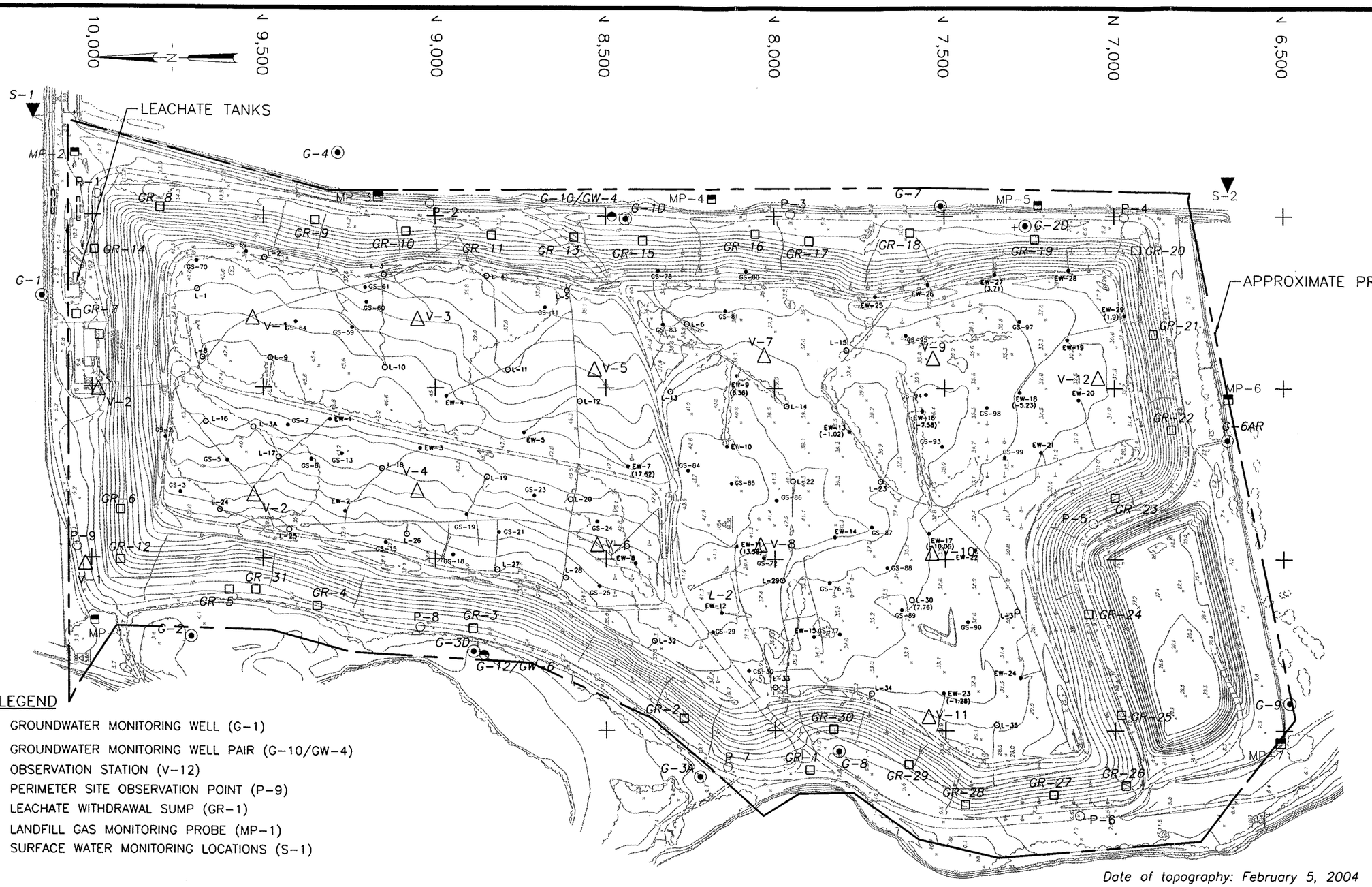
SCALE: 2400 4800 7200 9600 12000 FEET

EMCON

DATE
DWN
APP
REV
PROJECT NO. 792704

FIGURE 1
NAPA VALLEJO WASTE MANAGEMENT AUTHORITY
AMERICAN CANYON SANITARY LANDFILL
NAPA COUNTY, CALIFORNIA

SITE LOCATION MAP



LEGEND

- GROUNDWATER MONITORING WELL (G-1)
- GROUNDWATER MONITORING WELL PAIR (G-10/GW-4)
- OBSERVATION STATION (V-12)
- PERIMETER SITE OBSERVATION POINT (P-9)
- LEACHATE WITHDRAWAL SUMP (GR-1)
- LANDFILL GAS MONITORING PROBE (MP-1)
- SURFACE WATER MONITORING LOCATIONS (S-1)

Date of topography: February 5, 2004

Shaw® EMCON/OWT, Inc.

GS-53 ● EXISTING LFG EXTRACTION WELL
L-10 ○ LEACHATE/LFG EXTRACTION WELL
EW-1 ● LFG EXTRACTION WELL

0 300 600
SCALE IN FEET

DATE	7/27/04
DWN	R.B.
APP	JCI
REV	0
PROJECT NO.	828830

FIGURE 2
NAPA VALLEJO WASTE MANAGEMENT AUTHORITY
AMERICAN CANYON SANITARY LANDFILL
NAPA COUNTY, CALIFORNIA
MONITORING POINT AND SITE OBSERVATION LOCATIONS

XREF Files: 2-5-04 IMAGE Files:
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E 10,000

E 9,500

E 9,000

E 8,500

INERT MATERIAL PLACEMENT FIRST QUARTER 2005

APPROXIMATE PROPERTY LINE

EXCAVATING POINT

FOUNDATION LAYER

S-1 S-2 MP-1 MP-2 MP-3 MP-4 MP-5 MP-6 MP-7 G-1 G-2 G-3A G-3D G-4 G-5 G-6AR G-7 G-8 G-9 G-10/GW-4 G-10D G-11/GW-6 G-12D G-2D P-1 P-2 P-3 P-4 P-5 P-6 P-7 P-8 P-9 GR-1 GR-2 GR-3 GR-4 GR-5 GR-6 GR-8 GR-9 GR-10 GR-11 GR-12 GR-13 GR-14 V-1 V-2 V-3 V-4 V-5 V-6 V-7 V-8 V-9 V-10 V-11 V-12

LEGEND

- AREA OF INERT MATERIALS
- GROUNDWATER MONITORING WELL (G-1)
- GROUNDWATER MONITORING WELL PAIR (G-10/GW-4)
- OBSERVATION STATION (V-12)
- PERIMETER SITE OBSERVATION POINT (P-9)
- LEACHATE WITHDRAWAL SUMP (GR-1)
- LANDFILL GAS MONITORING PROBE (MP-1)
- SURFACE WATER MONITORING LOCATIONS (S-1)

Date of topography: February 5, 2004.

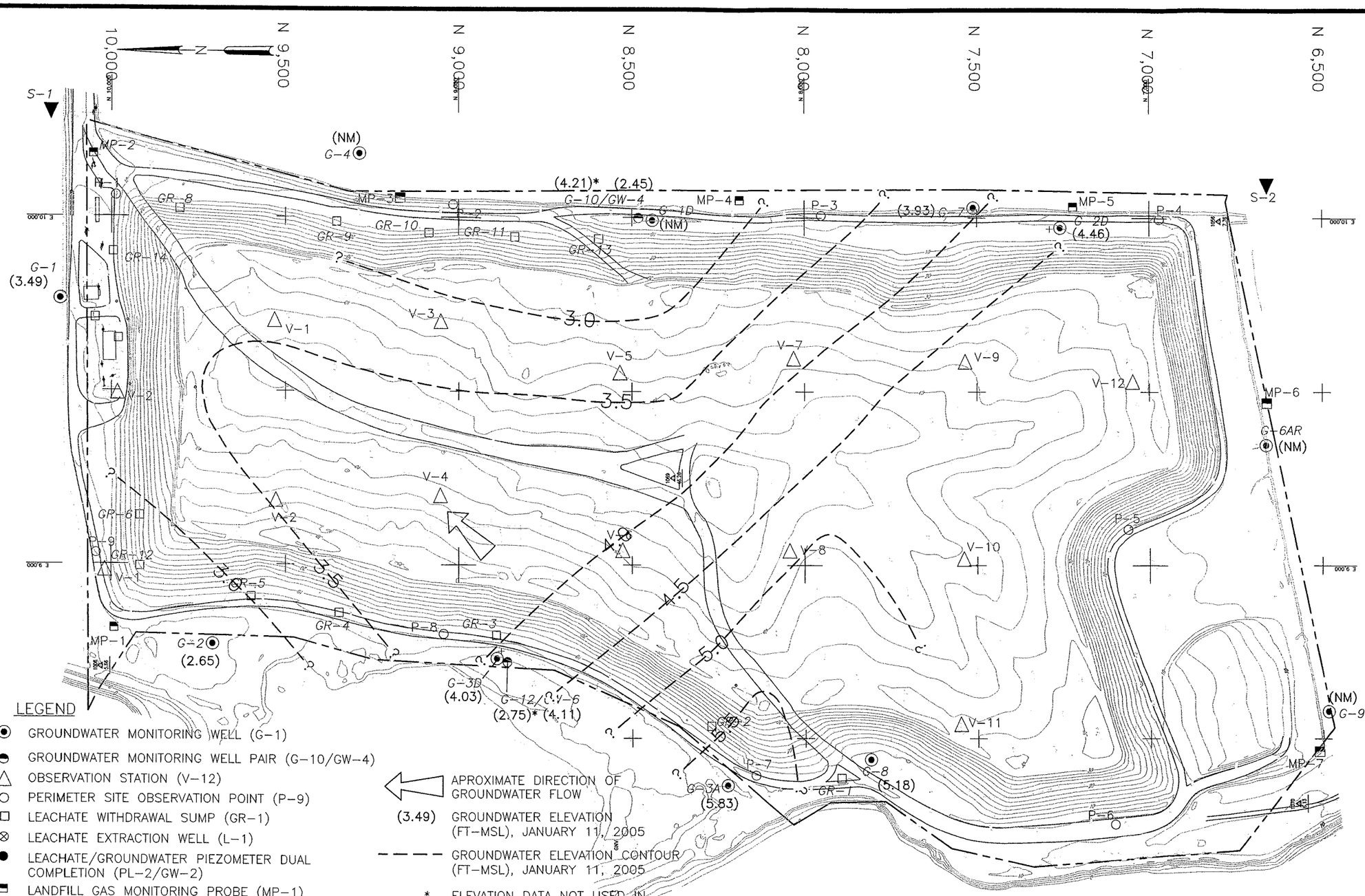
Shaw® EMCON/OWT, Inc.

0 300 600

SCALE IN FEET

DATE	Jan 05
DWN	RB
APP	JCI
REV	0
PROJECT NO.	828830

FIGURE 3
NAPA-VALLEJO WASTE MANAGEMENT AUTHORITY
AMERICAN CANYON SANITARY LANDFILL
NAPA COUNTY, CALIFORNIA
SLUDGE AND INERT WASTE PLACEMENT FIRST QUARTER 2005



Date of topography: February 15, 2005.

Shaw® EMCON/OWT, Inc.

DATE 11/24/04
DWN R.B.
APP
REV
PROJECT NO. 828830

FIGURE 4
NAPA VALLEJO WASTE MANAGEMENT AUTHORITY
AMERICAN CANYON SANITARY LANDFILL
NAPA COUNTY, CALIFORNIA
QUARTERLY GROUNDWATER MONITORING
GROUNDWATER CONTOUR MAP, FIRST QUARTER 2005

XREF Files: 2-1-05 IMAGE Files:
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GR-6 (−0.38)
GR-9 (1.47)
GR-10 (3.90)
GR-11 (3.38)
GR-13 (3.08)
GR-14 (5.97)
GS-69 (8.05)
L-2 (4.47)
GS-70
L-3 (8.41)
L-4 (NM)
L-5 (2.22)
GS-78
GS-80 (−0.73)*
L-1 (8.91)
GS-61
GS-60 (14.86)
GS-41
GS-64
GS-59
GS-83
L-6 (12.74)
GS-81
GR-7 (6.72)
L-8 (7.66)
L-9 (17.90)
L-10 (8.66)
L-11 (−0.26)
L-12 (3.86)
L-13 (9.68)
EW-9 (6.58)
L-14 (5.70)
EW-4
L-16 (18.55)
GS-7 (13.17)
EW-1
GS-2 (16.07)
L-17 (16.01)
GS-5
GS-8
GS-13 (26.99)
L-18 (16.06)
EW-3 (19.06)
EW-5 (20.57)
EW-10
EW-7 (13.84)
GS-84
L-19 (18.56)
GS-23
GS-85 (12.97)
L-22 (9.99)
GS-3
L-20 (20.15)
EW-2
GR-6 (4.11)
L-24 (15.23)
L-25 (15.30)
GS-19
GS-24
GS-86 (17.24)
GS-15
L-26 (13.86)
GS-21
GR-12 (1.99)
GS-18 (12.09)
L-27 (14.92)
L-28 (17.23)
EW-8
EW-11 (NM)
GS-72
L-29 (15.13)
GS-76
GR-5 (3.12)
GS-25 (15.43)
GR-4 (4.01)
EW-12
GR-3 (6.75)
GS-29 (NM)
GS-77
EW-15 (9.75)
L-32 (5.76)
GS-30
L-33 (10.82)
L-34 (8.92)
GR-2 (2.27)
GR-1 (2.19)
EW-25
EW-26
EW-27 (4.53)
EW-28
EW-29 (2.40)
GS-97
GS-95
EW-19
L-15 (−7.47)
GS-94
EW-18 (−6.10)
EW-20
EW-16 (−6.35)
GS-98
EW-13 (−6.25)
GS-93
GS-99
EW-21
L-23 (−4.18)
EW-14
GS-87
EW-17 (−6.61)
EW-22
GS-88
L-30 (4.94)
GS-89 (6.37)
L-31 (−5.43)
GS-90
EW-24
EW-23 (0.95)
L-35 (−5.37)

EXPLANATION

- GR-1 □ LEACHATE SUMP
- GS-53 ● EXISTING LFG EXTRACTION WELL
- L-10 ⊙ LEACHATE/LFG EXTRACTION WELL
- EW-1 ● LFG EXTRACTION WELL
- (4.57) LEACHATE ELEVATION (FT.−MSL); MEASURED JANUARY 27, 2005
- —15— LEACHATE ELEVATION CONTOUR (FT.−MSL)
- * NOT USED IN CONTOURING

0 100 200
SCALE IN FEET

REV	DATE	DESCRIPTION	DWN BY	DES BY	CHK BY	APP BY
	DATE OF ISSUE —	DWN BY R.B. DES BY JCI	CHK BY JCI APP BY JCI			

Shaw EMCON/OWT, Inc.

NAPA VALLEJO WASTE MANAGEMENT AUTHORITY
AMERICAN CANYON SANITARY LANDFILL
NAPA COUNTY, CALIFORNIA

LEACHATE CONTOUR MAP
FISRT QUARTER 2005

DRAWING NO. 5
PROJECT NO. 828830-03

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APPENDIX A

GROUNDWATER FLOW DIRECTION AND VELOCITY CALCULATIONS

APPENDIX A
GROUNDWATER FLOW DIRECTION AND VELOCITY CALCULATIONS

Based on water elevations measured in the wells on January 11, 2005, the direction of groundwater flow beneath the site is inferred to be to the northeast. The average groundwater velocity beneath the landfill in the Bay Mud was calculated by EMCON/OWT using the following equation (Darcy's Law):

$$V = \frac{Ki}{N}$$

where: V = average linear velocity

K = permeability

i = hydraulic gradient

n = effective porosity

The values used to solve the above equation are as follows:

K = 4.1×10^{-7} cm/sec or 0.42 ft/yr

i = (1.5 foot [ft])/1,540 ft = 0.001

n = 0.40

Based on the results of undisturbed laboratory permeability tests reported in Table 1 of EMCON's March 1997 Construction Quality Assurance Report for the 1996 Stage 1 Phase 1 Partial Final Closure System, the permeability of the Bay Muds at the site ranges from 4.1×10^{-7} to 4.7×10^{-9} cm/sec. To be conservative, EMCON/OWT selected a permeability value of 4.1 x 10-^{7} cm/sec (0.42 ft/yr.) to be used in the groundwater velocity calculation. The hydraulic gradient was calculated by dividing the difference in groundwater elevations between the 3.5-foot and 5.0-foot contour lines by the distance between them (1,540 feet).

For conservative purposes, the effective porosity (n) of the water-bearing zone units was estimated to be 40 percent. This estimate is based on published porosity values of geologic materials. Materials underlying the landfill are composed primarily of clay. Published primary porosity values for clay range from 40 to 70 percent (Freeze and Cherry, 1979).

An average groundwater flow velocity of 0.0011 feet per year (ft/yr) was calculated based on conditions observed on January 11, 2005, as follows:

$$V = \frac{(4.1 \times 10^{-7} \text{ cm/sec}) \times (0.001)}{0.40} = 1.03 \times 10^{-9} \text{ cm/sec}$$

$$V = \frac{(0.42 \text{ ft/yr}) \times (0.001)}{0.40} = 0.0011 \text{ ft/yr.}$$

APPENDIX B

FIELD REPORT AND FIELD DATA SHEETS

FIELD REPORT
WATER LEVEL / FLOATING PRODUCT
SURVEY

EMCON/OWT Inc.
1326 North Market Boulevard
Sacramento, California 95834
(916) 928-3300

PROJECT NO : 828830/01010000 **LOCATION : NAPA COUNTY** **DATE:** 1-11-05

CLIENT : AMERICAN CANYON **SAMPLER :** PAUL WEINHARDT **DAY OF WEEK:** TUES

WELL ID	CASING ELEVATION (Feet, MSL)	TIME	TOTAL DEPTH (Feet)	DEPTH TO WATER (Feet)	DEPTH TO FLOATING PRODUCT (Feet)	FLOATING PRODUCT THICKNESS (Feet)	COMMENTS
G-1	4.51	646	18.40	1.02	—	—	
G-1D	6.34	719	2.52	[redacted]	—	—	
G-2	4.19	649	10.30	1.54	—	—	
G-2DR	11.62	708	44.90	716			Replc well for G-2D 8/03'
G-3A	9.28	659	20.20	3.45	—	—	
G-3D	7.03	652	—	3.00	—	—	
G-4	2.60	N/A	N/A	—	—	—	
G-6AR	2.37	N/A	N/A	—	—	—	
G-7	3.93	711	25.10	0.100	—	—	
G-8	10.16	702	25.40	4.98	—	—	
G-9	1.97	N/A	N/A	—	—	—	
G-10	6.77	714	19.40	2.56	—	—	
G-12	6.85	659	—	4.10	—	—	
~~GW-2~~	~~41.94~~	N/A	N/A	N/A	—	—	Abandoned 8/03'
GW-4	6.63	716	46.90	4.18			More North than G-10.
GW-6	6.77	656	47.30	2.46	—	—	

Paul Weinhardt
Signature

FIELD REPORT
WATER LEVEL / FLOATING PRODUCT
SURVEY

EMCON/OWT Inc.
1326 North Market Boulevard
Sacramento, California 95834
(916) 928-3300

PROJECT NO : 828830/01010000 **LOCATION : NAPA COUNTY** **DATE:** 1-11-05

CLIENT : AMERICAN CANYON **SAMPLER :** Paul Weinhardt **DAY OF WEEK:** Tues

WELL ID	CASING ELEVATION (Feet, MSL)	TIME	TOTAL DEPTH (Feet)	DEPTH TO WATER (Feet)	DEPTH TO FLOATING PRODUCT (Feet)	FLOATING PRODUCT THICKNESS (Feet)	COMMENTS
GR-1	10.93	1330		8.74			
GR-2	11.43	1327		9.16			
GR-3	14.15	1324		7.40			
GR-4	11.97	1320		7.96			
GR-5	12.77	1317		9.65			
GR-6	9.73	1310		5.62			
GR-7	13.46	1343		6.74			
GR-8	10.23	1348		10.61			
GR-9	9.89	1350		8.12			
GR-10	11.88	1353		7.98			
GR-11	10.34	1356		6.96			
GR-12	11.60	1313		9.61			
GR-13	11.22	1400		8.14			
GR-14	12.33	1346		6.36			

Comments :

Paul Weinhardt
Signature

American Canyon Sanitary Landfill
Landfill Gas Well Water Level Data

Well ID	Casing Stick-up (ft)	Ground Surface Elevation (ft, MSL)	Top of Casing Elevation (ft, MSL)	Depth to Water (ft)	Groundwater Elevation (ft, MSL)	Comments - Water Levels Collected on 1/27 2005
EW-17	3.5	31.25	34.75	49.01		
EW-18	6	32.60	38.6	47.10		
EW-23			34.77	39.55		
EW-27	4	30.13	34.13	29.60		
EW-29	5.6	27.30	32.9	30.50		
GS-2		38.80	45.37	29.30		
GS-7		33.80	45.30	32.13		
GS-13		40.00	46.01	17.02		
GS-18		32.70	36.42	24.33		
GS-24		40.90	44.15	NOT FOUND		Not found 10/18/04
GS-25		36.00	39.40	23.97		
GS-29		36.80	40.00			
GS-60		41.00	46.63	31.77		
GS-69		37.00	45.60	37.55		
GS-80	5.50	32.39	37.89	33.62		
GS-85		40.00	48.49	36.52		
GS-86			48.78	31.54		
GS-89		38.20	43.28	33.83		

Levels only.

Note: This data is used to develop the leachate level contour map

American Canyon Sanitary Landfill
Landfill Gas Well Water Level Data

Well ID	Casing Stick-up (ft)	Ground Surface Elevation (ft, MSL)	Top of Casing Elevation (ft, MSL)	Depth to Water (ft)	Groundwater Elevation (ft, MSL)	Comments - Water Levels Collected on 1 | 27 | 2005
L-1			44.74	35.83		
L-2			41.49	37.02		
L-3			38.35	29.94		
L-4			36.07			
L-5			35.2	32.98		
L-6	5	34.08	39.08	26.34		
L-8			48.6	40.94		
L-9			48.85	30.95		
L-10			47.02	38.36		
L-11			41.21	41.47		
L-12			45.71	41.04		
L-13			41.99	35.72		
L-14			41.76	44.60		
L-15	4	35.51	39.51	46.98		
L-16			46.46	27.91		
L-17			42.48	26.47		
L-18			43.86	27.80		
L-19			45.86	27.30		
L-20			47.97	27.82		
L-22			42.95	34.90		
L-23			40.11	48.68		
L-24			37.35	24.88		
L-25			33.25	22.05		
L-26			37.04	23.18		
L-27			36.96	22.04		
L-28			38.01	20.78		
L-29			39.01	27.48		No longer an extraction well.
L-30			36.22	38.26		
L-31			32.71	44.63		
L-32			39.56	33.80		
L-33			34.17	27.88		
L-34			33.09	28.78		
L-35			30.31	42.77		
EW-3	3'			26.14	—	
~~EW-4~~	—	—	~~46.8~~	—	—	~~remove from list per Paul 10/18/04~~
EW-5	2' 6"			27.13		
EW-7			48.1	34.26		
EW-9			42.6	36.02		
EW-11			45.8			
EW-13			41.09	52.55		
EW-15	6			32.55		
EW-16	6	34.72	40.72	78.95		

Well Samples Levels on M.

WATER SAMPLE FIELD DATA SHEET

Rev. 1/97

PROJECT NO : 828830 | SAMPLE ID : G-1

PURGED BY : Paul Weinhardt | CLIENT NAME : American Canyon Landfill

SAMPLED BY : Paul Weinhardt | LOCATION : Napa County, California

TYPE: Groundwater X | Surface Water ____ | Leachate ____ | Other ____

CASING DIAMETER (inches): 2 ____ (.163) | 3 ____ (.367) | 4 X (.652) | 4.5 ____ (.826) | 6 ____ (1.47) | Other ____

CASING ELEVATION (feet/MSL) : ____ | VOLUME IN CASING (gal.) : 11.47

DEPTH OF WELL (feet) : 18.40 | CALCULATED PURGE (gal.) : 34.41

DEPTH TO WATER (feet) : 1.02 | ACTUAL PURGE VOL. (gal.) : ____

DATE PURGED : 1-11-05 | END PURGE : 731

DATE SAMPLED : 1-12-05 | SAMPLING TIME : 750

TIME (2400 HR)	VOLUME (gal.)	pH (units)	E.C. (µmhos/cm@25°c)	TEMPERATURE (°C)	COLOR (visual)	TURBIDITY (visual)
731	1150	6.56	46.640	11.90	cloudy	MOD
			DRY @ 11.59AL			
746	—	6.61	45.990	12.0	cloudy	MOD

1-12-05

OTHER: DTW @ TIME OF SAMPLE 4.61 ODOR: ____ | ____ (COBALT 0-100) | 46.3 (NTU 0-200)

FIELD QC SAMPLES COLLECTED AT THIS WELL (i.e. FB-1, XDUP-1) : ____

PURGING EQUIPMENT

____ 2" Bladder Pump | ____ Bailer (Teflon)

____ Centrifugal Pump | ____ Bailer (PVC)

X Submersible Pump | ____ Bailer (Stainless Steel)

____ Dispo Bailer | ____ Dedicated

Other: ____

SAMPLING EQUIPMENT

____ 2" Bladder Pump | ____ Bailer (Teflon)

____ Bomb Sampler | ____ Bailer (Stainless Steel)

____ Dipper | ____ Submersible Pump

X Dispo Bailer | ____ Dedicated

Other: ____

WELL INTEGRITY: GOOD | LOCK: 0464

REMARKS: ____

pH, E.C., Temp. Meter Calibration: Date: ____ Time: ____ Meter Serial No.: ____

E.C. 1000 ____ / ____ pH 7 ____ / ____ pH 10 ____ / ____ pH 4 ____ / ____

Temperature °C ____

SIGNATURE: Paul Weinhardt | REVIEWED BY: X | PAGE 1 OF 14

WATER SAMPLE FIELD DATA SHEET

Rev. 1/97

PROJECT NO : 828830 | SAMPLE ID : G-2

PURGED BY : Paul Weinhardt | CLIENT NAME : American Canyon Landfill

SAMPLED BY : Paul Weinhardt | LOCATION : Napa County, California

TYPE: Groundwater X | Surface Water ____ | Leachate ____ | Other ____

CASING DIAMETER (inches): 2 ____ (.163) | 3 ____ (.367) | 4 X (.652) | 4.5 ____ (.826) | 6 ____ (1.47) | Other ____

CASING ELEVATION (feet/MSL) : ____ | VOLUME IN CASING (gal.) : 5.78

DEPTH OF WELL (feet) : 10.30 | CALCULATED PURGE (gal.) : 17.34

DEPTH TO WATER (feet) : 1.54 | ACTUAL PURGE VOL. (gal.) : 18.00

DATE PURGED : 1-11-05 | END PURGE : 849

DATE SAMPLED : 1-11-05 | SAMPLING TIME : 820

TIME (2400 HR)	VOLUME (gal.)	pH (units)	E.C. (µmhos/cm@25°c)	TEMPERATURE (°C)	COLOR (visual)	TURBIDITY (visual)
806	6.0	6.94	19,170	14.10	cloudy	mod
810	12.0	6.89	19,940	15.0	cloudy	mod
814	18.0	6.86	20330	15.3°	cloudy	mod

OTHER: ____ | ODOR: ____ | ____ (COBALT 0-100) | 39.7 (NTU 0-200)

FIELD QC SAMPLES COLLECTED AT THIS WELL (i.e. FB-1, XDUP-1) : ____

PURGING EQUIPMENT

____ 2" Bladder Pump | ____ Bailer (Teflon)

____ Centrifugal Pump | ____ Bailer (PVC)

X Submersible Pump | ____ Bailer (Stainless Steel)

____ Dispo Bailer | ____ Dedicated

Other: ____

SAMPLING EQUIPMENT

____ 2" Bladder Pump | ____ Bailer (Teflon)

____ Bomb Sampler | ____ Bailer (Stainless Steel)

____ Dipper | ____ Submersible Pump

X Dispo Bailer | ____ Dedicated

Other: ____

WELL INTEGRITY: G000 | LOCK: 0464

REMARKS: ____

pH, E.C., Temp. Meter Calibration: Date: ____ Time: ____ Meter Serial No.: ____

E.C. 1000 ____ / ____ pH 7 ____ / ____ pH 10 ____ / ____ pH 4 ____ / ____

Temperature °C ____

SIGNATURE: Paul Weinhardt | REVIEWED BY: X | PAGE 2 OF 14

WATER SAMPLE FIELD DATA SHEET

Rev. 1/97

PROJECT NO : 828830 | SAMPLE ID : ~~B~~ G-3A

PURGED BY : Paul Weinhardt | CLIENT NAME : American Canyon Landfill

SAMPLED BY : Paul Weinhardt | LOCATION : Napa County, California

TYPE: Groundwater A | Surface Water ____ | Leachate ____ | Other ____

CASING DIAMETER (inches): 2 X (.163) | 3 ____ (.367) | 4 ____ (.652) | 4.5 ____ (.826) | 6 ____ (1.47) | Other ____

CASING ELEVATION (feet/MSL) : ____ | VOLUME IN CASING (gal.) : 273

DEPTH OF WELL (feet) : 20.20 | CALCULATED PURGE (gal.) : 819

DEPTH TO WATER (feet) : 3.45 | ACTUAL PURGE VOL. (gal.) : 825

DATE PURGED : 1.11.05 | END PURGE : 910

DATE SAMPLED : 1.11.05 | SAMPLING TIME : 916

TIME (2400 HR)	VOLUME (gal.)	pH (units)	E.C. (µmhos/cm@25°c)	TEMPERATURE (°C)	COLOR (visual)	TURBIDITY (visual)
904	2.75	6.78	16.840	14.6°	Cloudy	Mod
907	5.50	6.79	15.930	15.1°	Cloudy	Mod
910	8.25	6.81	15.820	15.7°	Cloudy	Mod

OTHER: ____ | ODOR: ____ | ____ (COBALT 0-100) | 54.6 (NTU 0-200)

FIELD QC SAMPLES COLLECTED AT THIS WELL (i.e. FB-1, XDUP-1) : ____

PURGING EQUIPMENT

____ 2" Bladder Pump | ____ Bailer (Teflon)

____ Centrifugal Pump | ____ Bailer (PVC)

X Submersible Pump | ____ Bailer (Stainless Steel)

____ Dispo Bailer | ____ Dedicated

Other: ____

SAMPLING EQUIPMENT

____ 2" Bladder Pump | ____ Bailer (Teflon)

____ Bomb Sampler | ____ Bailer (Stainless Steel)

____ Dipper | ____ Submersible Pump

A Dispo Bailer | ____ Dedicated

Other: ____

WELL INTEGRITY: Good | LOCK: 0464

REMARKS: ____

pH, E.C., Temp. Meter Calibration: Date: ____ Time: ____ Meter Serial No.: ____

E.C. 1000 ____ / ____ | pH 7 ____ / ____ | pH 10 ____ / ____ | pH 4 ____ / ____

Temperature °C ____

SIGNATURE: Paul Weinhardt | REVIEWED BY: ~~PR~~ | PAGE 3 OF 14

WATER SAMPLE FIELD DATA SHEET

Rev. 1/97

PROJECT NO : 828830 | SAMPLE ID : G-4

PURGED BY : Paul Weinhardt | CLIENT NAME : American Canyon Landfill

SAMPLED BY : Paul Weinhardt | LOCATION : Napa County, California

TYPE: Groundwater ____ Surface Water ____ Leachate ____ Other ____

CASING DIAMETER (inches): 2 ____ (.163) 3 ____ (.367) 4 ____ (.652) 4.5 ____ (.826) 6 ____ (1.47) Other ____

CASING ELEVATION (feet/MSL) : ____ | VOLUME IN CASING (gal.) : ____

DEPTH OF WELL (feet) : ____ | CALCULATED PURGE (gal.) : ____

DEPTH TO WATER (feet) : ____ | ACTUAL PURGE VOL. (gal.) : ____

DATE PURGED : ____ | END PURGE : ____

DATE SAMPLED : ____ | SAMPLING TIME : ____

TIME (2400 HR)	VOLUME (gal.)	pH (units)	E.C. (µmhos/cm@25°c)	TEMPERATURE (°C)	COLOR (visual)	TURBIDITY (visual)
		UNDER WATER		NO Sample		

OTHER: ____ ODOR: 1/11/05

(COBALT 0-100) (NTU 0-200)

FIELD QC SAMPLES COLLECTED AT THIS WELL (i.e. FB-1, XDUP-1) : ____

PURGING EQUIPMENT

____ 2" Bladder Pump ____ Bailer (Teflon)
____ Centrifugal Pump ____ Bailer (PVC)
____ Submersible Pump ____ Bailer (Stainless Steel)
____ Dispo Bailer ____ Dedicated
Other: ____

SAMPLING EQUIPMENT

____ 2" Bladder Pump ____ Bailer (Teflon)
____ Bomb Sampler ____ Bailer (Stainless Steel)
____ Dipper ____ Submersible Pump
____ Dispo Bailer ____ Dedicated
Other: ____

WELL INTEGRITY: ____ LOCK: ____

REMARKS: ____

pH, E.C., Temp. Meter Calibration: Date: ____ Time: ____ Meter Serial No.: ____

E.C. 1000 ____ / ____ pH 7 ____ / ____ pH 10 ____ / ____ pH 4 ____ / ____

Temperature °C ____

SIGNATURE: Paul Weinhardt REVIEWED BY: ____ PAGE 4 OF 14

WATER SAMPLE FIELD DATA SHEET

Rev. 1/97

PROJECT NO : 828830 SAMPLE ID : G16AR

PURGED BY : Paul Weinhardt CLIENT NAME : American Canyon Landfill

SAMPLED BY : Paul Weinhardt LOCATION : Napa County, California

TYPE: Groundwater ____ Surface Water ____ Leachate ____ Other ____

CASING DIAMETER (inches): 2 ____ (.163) 3 ____ (.367) 4 ____ (.652) 4.5 ____ (.826) 6 ____ (1.47) Other ____

CASING ELEVATION (feet/MSL) : ____ VOLUME IN CASING (gal.) : ____

DEPTH OF WELL (feet) : ____ CALCULATED PURGE (gal.) : ____

DEPTH TO WATER (feet) : ____ ACTUAL PURGE VOL. (gal.) : ____

DATE PURGED : ____ END PURGE : ____

DATE SAMPLED : ____ SAMPLING TIME : ____

TIME (2400 HR)	VOLUME (gal.)	pH (units)	E.C. (µmhos/cm@25°c)	TEMPERATURE (°C)	COLOR (visual)	TURBIDITY (visual)
		UNDER WATER		NO Sample		

OTHER: 1/11/05 ODOR: ____ (COBALT 0-100) (NTU 0-200)

FIELD QC SAMPLES COLLECTED AT THIS WELL (i.e. FB-1, XDUP-1) : ____

PURGING EQUIPMENT

____ 2" Bladder Pump ____ Bailer (Teflon)
____ Centrifugal Pump ____ Bailer (PVC)
____ Submersible Pump ____ Bailer (Stainless Steel)
____ Dispo Bailer ____ Dedicated
Other: ____

SAMPLING EQUIPMENT

____ 2" Bladder Pump ____ Bailer (Teflon)
____ Bomb Sampler ____ Bailer (Stainless Steel)
____ Dipper ____ Submersible Pump
____ Dispo Bailer ____ Dedicated
Other: ____

WELL INTEGRITY: ____ LOCK: ____

REMARKS: ____

pH, E.C., Temp. Meter Calibration: Date: ____ Time: ____ Meter Serial No.: ____

E.C. 1000 ____ / ____ pH 7 ____ / ____ pH 10 ____ / ____ pH 4 ____ / ____

Temperature °C ____

SIGNATURE: Paul Weinhardt REVIEWED BY: ____ PAGE 5 OF 14

WATER SAMPLE FIELD DATA SHEET

Rev. 1/97

PROJECT NO : 828830 | SAMPLE ID : G-7

PURGED BY : Paul Weinhardt | CLIENT NAME : American Canyon Landfill

SAMPLED BY : Paul Weinhardt | LOCATION : Napa County, California

TYPE: Groundwater ____ Surface Water ____ Leachate ____ Other ____

CASING DIAMETER (inches): 2 ____ (.163) 3 ____ (.367) 4 ____ (.652) 4.5 ____ (.826) 6 ____ (1.47) Other ____

CASING ELEVATION (feet/MSL) : ____ | VOLUME IN CASING (gal.) : 409

DEPTH OF WELL (feet) : 25.10 | CALCULATED PURGE (gal.) : 12.27

DEPTH TO WATER (feet) : 0.00 | ACTUAL PURGE VOL. (gal.) : 12.25

DATE PURGED : 1-11-05 | END PURGE : 1018

DATE SAMPLED : 1-11-05 | SAMPLING TIME : 1023

TIME (2400 HR)	VOLUME (gal.)	pH (units)	E.C. (µmhos/cm@25°c)	TEMPERATURE (°C)	COLOR (visual)	TURBIDITY (visual)
1010	4.25	6.93	24.710	15.10	Cloudy	mod
1014	8.50	6.88	25.460	14.90	Cloudy	mod
1018	12.25	6.81	25.730	14.8°	Cloudy	mod

OTHER: ____ ODOR: ____ ____ (COBALT 0-100) 19.7 (NTU 0-200)

FIELD QC SAMPLES COLLECTED AT THIS WELL (i.e. FB-1, XDUP-1) : ____

PURGING EQUIPMENT

____ 2" Bladder Pump ____ Bailer (Teflon)
____ Centrifugal Pump ____ Bailer (PVC)
X Submersible Pump ____ Bailer (Stainless Steel)
____ Dispo Bailer ____ Dedicated
Other: ____

SAMPLING EQUIPMENT

____ 2" Bladder Pump ____ Bailer (Teflon)
____ Bomb Sampler ____ Bailer (Stainless Steel)
____ Dipper ____ Submersible Pump
X Dispo Bailer ____ Dedicated
Other: ____

WELL INTEGRITY: Good | LOCK: NO

REMARKS: ____

pH, E.C., Temp. Meter Calibration: Date: ____ Time: ____ Meter Serial No.: ____

E.C. 1000 ____ / ____ pH 7 ____ / ____ pH 10 ____ / ____ pH 4 ____ / ____

Temperature °C ____

SIGNATURE: Paul Weinhardt REVIEWED BY: [illegible] PAGE 6 OF 14

WATER SAMPLE FIELD DATA SHEET

Rev. 1/97

PROJECT NO : 828830 | SAMPLE ID : G-8
PURGED BY : Paul Weinhardt | CLIENT NAME : American Canyon Landfill
SAMPLED BY : Paul Weinhardt | LOCATION : Napa County, California

TYPE: Groundwater X | Surface Water ____ | Leachate ____ | Other ____

CASING DIAMETER (inches): 2 X (.163) | 3 ____ (.367) | 4 ____ (.652) | 4.5 ____ (.826) | 6 ____ (1.47) | Other ____

CASING ELEVATION (feet/MSL) : ____ | VOLUME IN CASING (gal.) : 3.32
DEPTH OF WELL (feet) : 25.40 | CALCULATED PURGE (gal.) : 9.98
DEPTH TO WATER (feet) : 4.98 | ACTUAL PURGE VOL. (gal.) : 4.0

DATE PURGED : 1-11-05 | END PURGE : 932
DATE SAMPLED : 1-12-05 | SAMPLING TIME : 810

TIME (2400 HR)	VOLUME (gal.)	pH (units)	E.C. (µmhos/cm@25°c)	TEMPERATURE (°C)	COLOR (visual)	TURBIDITY (visual)
931	3.25	6.71	24.170	15.10	cloudy	mod
932	4.00	6.68	24.480	14.90	cloudy	mod
		DRY	@ 4.09AL			
1.12.05 BOB	—	6.71	25.310	15.10	cloudy	mod

OTHER: D.T.W. Time of Sample 5.46 | ODOR: ____ | (COBALT 0-100) | 78.9 (NTU 0-200)

FIELD QC SAMPLES COLLECTED AT THIS WELL (i.e. FB-1, XDUP-1) : ____

PURGING EQUIPMENT

____ 2" Bladder Pump
____ Centrifugal Pump
X Submersible Pump
____ Dispo Bailer
____ Bailer (Teflon)
____ Bailer (PVC)
____ Bailer (Stainless Steel)
____ Dedicated
Other: ____

SAMPLING EQUIPMENT

____ 2" Bladder Pump
____ Bomb Sampler
____ Dipper
X Dispo Bailer
____ Bailer (Teflon)
____ Bailer (Stainless Steel)
____ Submersible Pump
____ Dedicated
Other: ____

WELL INTEGRITY: Good | LOCK: NO

REMARKS: X - DUP 1 @ THIS well

pH, E.C., Temp. Meter Calibration: Date: ____ Time: ____ Meter Serial No.: ____
E.C. 1000 ____ / ____ pH 7 ____ / ____ pH 10 ____ / ____ pH 4 ____ / ____
Temperature °C ____

SIGNATURE: Paul Weinhardt | REVIEWED BY: ____ | PAGE 7 OF 14

WATER SAMPLE FIELD DATA SHEET

Rev. 1/97

PROJECT NO : 828830 | SAMPLE ID : G-9

PURGED BY : Paul Weinhardt | CLIENT NAME : American Canyon Landfill

SAMPLED BY : Paul Weinhardt | LOCATION : Napa County, California

TYPE: Groundwater ____ Surface Water ____ Leachate ____ Other ____

CASING DIAMETER (inches): 2 ____ (.163) 3 ____ (.367) 4 ____ (.652) 4.5 ____ (.826) 6 ____ (1.47) Other ____

CASING ELEVATION (feet/MSL) : ____ | VOLUME IN CASING (gal.) : ____

DEPTH OF WELL (feet) : ____ | CALCULATED PURGE (gal.) : ____

DEPTH TO WATER (feet) : ____ | ACTUAL PURGE VOL. (gal.) : ____

DATE PURGED : ____ | END PURGE : ____

DATE SAMPLED : ____ | SAMPLING TIME : ____

TIME (2400 HR)	VOLUME (gal.)	pH (units)	E.C. (µmhos/cm@25°c)	TEMPERATURE (°C)	COLOR (visual)	TURBIDITY (visual)
		UNDER WATER NO SAMPLE				

OTHER: ____ ODOR: ____ (COBALT 0-100) (NTU 0-200)

1/11/05

FIELD QC SAMPLES COLLECTED AT THIS WELL (i.e. FB-1, XDUP-1) : ____

PURGING EQUIPMENT

____ 2" Bladder Pump ____ Bailer (Teflon)
____ Centrifugal Pump ____ Bailer (PVC)
____ Submersible Pump ____ Bailer (Stainless Steel)
____ Dispo Bailer ____ Dedicated
Other: ____

SAMPLING EQUIPMENT

____ 2" Bladder Pump ____ Bailer (Teflon)
____ Bomb Sampler ____ Bailer (Stainless Steel)
____ Dipper ____ Submersible Pump
____ Dispo Bailer ____ Dedicated
Other: ____

WELL INTEGRITY: ____ LOCK: ____

REMARKS: ____

pH, E.C., Temp. Meter Calibration: Date: ____ Time: ____ Meter Serial No.: ____

E.C. 1000 ____ / ____ pH 7 ____ / ____ pH 10 ____ / ____ pH 4 ____ / ____

Temperature °C ____

SIGNATURE: ____ REVIEWED BY: ____ PAGE 8 OF 14

WATER SAMPLE FIELD DATA SHEET

Rev. 1/97

PROJECT NO : 828830 | SAMPLE ID : G-10

PURGED BY : Paul Weinhardt | CLIENT NAME : American Canyon Landfill

SAMPLED BY : Paul Weinhardt | LOCATION : Napa County, California

TYPE: Groundwater X | Surface Water ____ | Leachate ____ | Other ____

CASING DIAMETER (inches): 2 X (.163) | 3 ____ (.367) | 4 ____ (.652) | 4.5 ____ (.826) | 6 ____ (1.47) | Other ____

CASING ELEVATION (feet/MSL) : ____

DEPTH OF WELL (feet) : 19.40

DEPTH TO WATER (feet) : 2.56

VOLUME IN CASING (gal.) : 27

CALCULATED PURGE (gal.) : B23

ACTUAL PURGE VOL. (gal.) : B25

DATE PURGED : 1-11-05 | END PURGE : 1122

DATE SAMPLED : 1-11-05 | SAMPLING TIME : 1128

TIME (2400 HR)	VOLUME (gal.)	pH (units)	E.C. (µmhos/cm@25°c)	TEMPERATURE (°C)	COLOR (visual)	TURBIDITY (visual)
1114	2.75	6.78	21.930	15.10	Cloudy	MOD
1119	5.50	6.71	22.040	14.90	Cloudy	MOD
1122	B25	6.60	22.070	14.60	Cloudy	MOD

OTHER: ____ | ODOR: ____ | ____ (COBALT 0-100) | 96.1 (NTU 0-200)

FIELD QC SAMPLES COLLECTED AT THIS WELL (i.e. FB-1, XDUP-1) : ____

PURGING EQUIPMENT

- ____ 2" Bladder Pump
- ____ Centrifugal Pump
- X Submersible Pump
- ____ Dispo Bailer
- ____ Bailer (Teflon)
- ____ Bailer (PVC)
- ____ Bailer (Stainless Steel)
- ____ Dedicated

Other: ____

SAMPLING EQUIPMENT

- ____ 2" Bladder Pump
- ____ Bomb Sampler
- ____ Dipper
- X Dispo Bailer
- ____ Bailer (Teflon)
- ____ Bailer (Stainless Steel)
- ____ Submersible Pump
- ____ Dedicated

Other: ____

WELL INTEGRITY: Good | LOCK: No

REMARKS: ____

pH, E.C., Temp. Meter Calibration: Date: ____ Time: ____ Meter Serial No.: ____

E.C. 1000 ____ / ____ pH 7 ____ / ____ pH 10 ____ / ____ pH 4 ____ / ____

Temperature °C ____

SIGNATURE: Paul Weinhardt | REVIEWED BY: JR | PAGE 9 OF 14

WATER SAMPLE FIELD DATA SHEET

Rev. 1/97

PROJECT NO : 828830 | SAMPLE ID : GW-4

PURGED BY : Paul Weinhardt | CLIENT NAME : American Canyon Landfill

SAMPLED BY : Paul Weinhardt | LOCATION : Napa County, California

TYPE: Groundwater X | Surface Water ____ | Leachate ____ | Other ____

CASING DIAMETER (inches): 2 X (.163) | 3 ____ (.367) | 4 ____ (.652) | 4.5 ____ (.826) | 6 ____ (1.47) | Other ____

CASING ELEVATION (feet/MSL) : ____

DEPTH OF WELL (feet) : 46.90

DEPTH TO WATER (feet) : 4.18

VOLUME IN CASING (gal.) : 6.96

CALCULATED PURGE (gal.) : 20.89

ACTUAL PURGE VOL. (gal.) : 21.00

DATE PURGED : 1-11-05 | END PURGE : 1059

DATE SAMPLED : 1-11-05 | SAMPLING TIME : 1106

TIME (2400 HR)	VOLUME (gal.)	pH (units)	E.C. (µmhos/cm@25°c)	TEMPERATURE (°C)	COLOR (visual)	TURBIDITY (visual)
1051	7.0	6.93	21.740	15.10	Cloudy	mod
1055	14.0	6.88	20.930	14.90	Cloudy	mod
1059	21.0	6.84	20910	14.80	Cloudy	mod

OTHER: ____ | ODOR: ____ | (COBALT 0-100) ____ | (NTU 0-200) 107.3

FIELD QC SAMPLES COLLECTED AT THIS WELL (i.e. FB-1, XDUP-1) : ____

PURGING EQUIPMENT

____ 2" Bladder Pump | ____ Bailer (Teflon)

____ Centrifugal Pump | ____ Bailer (PVC)

X Submersible Pump | ____ Bailer (Stainless Steel)

____ Dispo Bailer | ____ Dedicated

Other: ____

SAMPLING EQUIPMENT

____ 2" Bladder Pump | ____ Bailer (Teflon)

____ Bomb Sampler | ____ Bailer (Stainless Steel)

____ Dipper | ____ Submersible Pump

X Dispo Bailer | ____ Dedicated

Other: ____

WELL INTEGRITY: GOOD | LOCK: NO

REMARKS: ____

pH, E.C., Temp. Meter Calibration: Date: ____ Time: ____ Meter Serial No.: ____

E.C. 1000 ____ / ____ pH 7 ____ / ____ pH 10 ____ / ____ pH 4 ____ / ____

Temperature °C ____

SIGNATURE: Paul Weinhardt | REVIEWED BY: [illegible] | PAGE 10 OF 14

WATER SAMPLE FIELD DATA SHEET

Rev. 1/97

PROJECT NO : 828830 | SAMPLE ID : GW-6

PURGED BY : Paul Weinhardt | CLIENT NAME : American Canyon Landfill

SAMPLED BY : Paul Weinhardt | LOCATION : Napa County, California

TYPE: Groundwater X | Surface Water ____ | Leachate ____ | Other ____

CASING DIAMETER (inches): 2 X (.163) | 3 ____ (.367) | 4 ____ (.652) | 4.5 ____ (.826) | 6 ____ (1.47) | Other ____

CASING ELEVATION (feet/MSL) : ____

DEPTH OF WELL (feet) : 47.30

DEPTH TO WATER (feet) : 2.66

VOLUME IN CASING (gal.) : 7.27

CALCULATED PURGE (gal.) : 21.82

ACTUAL PURGE VOL. (gal.) : 21.75

DATE PURGED : 1-11-05 | END PURGE : 845

DATE SAMPLED : 1-11-05 | SAMPLING TIME : 851

TIME (2400 HR)	VOLUME (gal.)	pH (units)	E.C. (µmhos/cm@25°c)	TEMPERATURE (°C)	COLOR (visual)	TURBIDITY (visual)
837	7.25	6.86	26.200	14.7°	cloudy	mod
841	14.50	6.73	25.770	16.1°	cloudy	mod
845	21.75	6.70	25.840	16.1°	cloudy	mod

OTHER: ____ | ODOR: ____ | ____ (COBALT 0-100) | 74.3 (NTU 0-200)

FIELD QC SAMPLES COLLECTED AT THIS WELL (i.e. FB-1, XDUP-1) : ____

PURGING EQUIPMENT

____ 2" Bladder Pump | ____ Bailer (Teflon)

____ Centrifugal Pump | ____ Bailer (PVC)

X Submersible Pump | ____ Bailer (Stainless Steel)

____ Dispo Bailer | ____ Dedicated

Other: ____

SAMPLING EQUIPMENT

____ 2" Bladder Pump | ____ Bailer (Teflon)

____ Bomb Sampler | ____ Bailer (Stainless Steel)

____ Dipper | ____ Submersible Pump

X Dispo Bailer | ____ Dedicated

Other: ____

WELL INTEGRITY: Good | LOCK: 0464

REMARKS: ____

pH, E.C., Temp. Meter Calibration: Date: ____ Time: ____ Meter Serial No.: ____

E.C. 1000 ____ / ____ pH 7 ____ / ____ pH 10 ____ / ____ pH 4 ____ / ____

Temperature °C ____

SIGNATURE: Paul Weinhardt | REVIEWED BY: ____ | PAGE 11 OF 14

WATER SAMPLE FIELD DATA SHEET

Rev. 1/97

PROJECT NO : 828830 | SAMPLE ID : G-2DR

PURGED BY : Paul Weinhardt | CLIENT NAME : American Canyon Landfill

SAMPLED BY : Paul Weinhardt | LOCATION : Napa County, California

TYPE: Groundwater X | Surface Water ____ | Leachate ____ | Other ____

CASING DIAMETER (inches): 2 X (.163) | 3 ____ (.367) | 4 ____ (.652) | 4.5 ____ (.826) | 6 ____ (1.47) | Other ____

CASING ELEVATION (feet/MSL) : ____

DEPTH OF WELL (feet) : 44.90

DEPTH TO WATER (feet) : 7.16

VOLUME IN CASING (gal.) : 6.15

CALCULATED PURGE (gal.) : 18.45

ACTUAL PURGE VOL. (gal.) : 18.75

DATE PURGED : 11.11.05 | END PURGE : 1203

DATE SAMPLED : 11.11.05 | SAMPLING TIME : 1208

TIME (2400 HR)	VOLUME (gal.)	pH (units)	E.C. (µmhos/cm@25°c)	TEMPERATURE (°C)	COLOR (visual)	TURBIDITY (visual)
1151	6.25	6.81	25470	14.90	cloudy	mod
1158	12.50	6.74	25910	14.70	cloudy	mod
1203	18.75	6.70	26040	14.60	cloudy	mod

OTHER: ____ | ODOR: ____ | ____ (COBALT 0-100) | 441 (NTU 0-200)

FIELD QC SAMPLES COLLECTED AT THIS WELL (i.e. FB-1, XDUP-1) : ____

PURGING EQUIPMENT

____ 2" Bladder Pump | ____ Bailer (Teflon)

____ Centrifugal Pump | ____ Bailer (PVC)

X Submersible Pump | ____ Bailer (Stainless Steel)

____ Dispo Bailer | ____ Dedicated

Other: ____

SAMPLING EQUIPMENT

____ 2" Bladder Pump | ____ Bailer (Teflon)

____ Bomb Sampler | ____ Bailer (Stainless Steel)

____ Dipper | ____ Submersible Pump

1 Dispo Bailer | ____ Dedicated

Other: ____

WELL INTEGRITY: GOOD | LOCK: ~~NO~~ 0464

REMARKS: ____

pH, E.C., Temp. Meter Calibration: Date: ____ Time: ____ Meter Serial No.: ____

E.C. 1000 ____ / ____ pH 7 ____ / ____ pH 10 ____ / ____ pH 4 ____ / ____

Temperature °C ____

SIGNATURE: Paul Weinhardt | REVIEWED BY: ____ | PAGE 12 OF 14

WATER SAMPLE FIELD DATA SHEET

Rev. 1/97

PROJECT NO : 828830 SAMPLE ID : S-1

PURGED BY : Paul Weinhardt CLIENT NAME : American Canyon Landfill

SAMPLED BY : Paul Weinhardt LOCATION : Napa County, California

TYPE: Groundwater ____ Surface Water X Leachate ____ Other ____

CASING DIAMETER (inches): 2 ____ (.163) 3 ____ (.367) 4 ____ (.652) 4.5 ____ (.826) 6 ____ (1.47) Other ____

CASING ELEVATION (feet/MSL) : ____ VOLUME IN CASING (gal.) : ____

DEPTH OF WELL (feet) : ____ CALCULATED PURGE (gal.) : ____

DEPTH TO WATER (feet) : ____ ACTUAL PURGE VOL. (gal.) : ____

DATE PURGED : N/A END PURGE : N/A

DATE SAMPLED : 1-12-05 SAMPLING TIME : 721

TIME (2400 HR)	VOLUME (gal.)	pH (units)	E.C. (µmhos/cm@25°c)	TEMPERATURE (°C)	COLOR (visual)	TURBIDITY (visual)
719	—	6.48	24.710	13.10	cloudy	mod

OTHER: ____ ODOR: ____ ____ (COBALT 0-100) 86.3 (NTU 0-200)

FIELD QC SAMPLES COLLECTED AT THIS WELL (i.e. FB-1, XDUP-1) : ____

PURGING EQUIPMENT

____ 2" Bladder Pump ____ Bailer (Teflon)

____ Centrifugal Pump ____ Bailer (PVC)

____ Submersible Pump ____ Bailer (Stainless Steel)

____ Dispo Bailer ____ Dedicated

Other: ____

SAMPLING EQUIPMENT

____ 2" Bladder Pump ____ Bailer (Teflon)

____ Bomb Sampler ____ Bailer (Stainless Steel)

____ Dipper ____ Submersible Pump

____ Dispo Bailer ____ Dedicated

Other: ____

WELL INTEGRITY: ____ LOCK: ____

REMARKS: ____

pH, E.C., Temp. Meter Calibration: Date: ____ Time: ____ Meter Serial No.: ____

E.C. 1000 ____ / ____ pH 7 ____ / ____ pH 10 ____ / ____ pH 4 ____ / ____

Temperature °C ____

SIGNATURE: Paul Weinhardt REVIEWED BY: [illegible] PAGE 13 OF 14

WATER SAMPLE FIELD DATA SHEET

Rev. 1/97

PROJECT NO : 828830 | SAMPLE ID : S-2

PURGED BY : Paul Weinhardt | CLIENT NAME : American Canyon Landfill

SAMPLED BY : Paul Weinhardt | LOCATION : Napa County, California

TYPE: Groundwater ____ Surface Water X Leachate ____ Other ____

CASING DIAMETER (inches): 2 ____ (.163) 3 ____ (.367) 4 ____ (.652) 4.5 ____ (.826) 6 ____ (1.47) Other ____

CASING ELEVATION (feet/MSL) : ____ | VOLUME IN CASING (gal.) : ____

DEPTH OF WELL (feet) : ____ | CALCULATED PURGE (gal.) : ____

DEPTH TO WATER (feet) : ____ | ACTUAL PURGE VOL. (gal.) : ____

DATE PURGED : ____ | END PURGE : ____

DATE SAMPLED : 1-12-05 | SAMPLING TIME : 705

TIME (2400 HR)	VOLUME (gal.)	pH (units)	E.C. (µmhos/cm@25°c)	TEMPERATURE (°C)	COLOR (visual)	TURBIDITY (visual)
703	1	6.46	27,070	14.1°	cloudy	mod

OTHER: ____ ODOR: ____ ____ (COBALT 0-100) 61.8 (NTU 0-200)

FIELD QC SAMPLES COLLECTED AT THIS WELL (i.e. FB-1, XDUP-1) : ____

PURGING EQUIPMENT

____ 2" Bladder Pump
____ Centrifugal Pump
____ Submersible Pump
____ Dispo Bailer
____ Bailer (Teflon)
____ Bailer (PVC)
____ Bailer (Stainless Steel)
____ Dedicated
Other: ____

SAMPLING EQUIPMENT

____ 2" Bladder Pump
____ Bomb Sampler
____ Dipper
____ Dispo Bailer
____ Bailer (Teflon)
____ Bailer (Stainless Steel)
____ Submersible Pump
____ Dedicated
Other: ____

WELL INTEGRITY: ____ LOCK: ____

REMARKS: ____

pH, E.C., Temp. Meter Calibration: Date: ____ Time: ____ Meter Serial No.: ____

E.C. 1000 ____ / ____ pH 7 ____ / ____ pH 10 ____ / ____ pH 4 ____ / ____

Temperature °C ____

SIGNATURE: Paul Weinhardt REVIEWED BY: ____ PAGE 14 OF 14

AMERICAN CANYON
LANDFILL GAS MONITORING PROBES

PROJECT: 828830 / 02010000 **SAMPLER:** Paul Weinhardt

DATE: 2.24.05 **WEATHER:** Foggy

INSTURMENT: GEM 500 **LAST CALIBRATED:**

PROBE ID	TIME	STATIC PRESSURE	CH_4	CO_2	O_2	BALANCE	COMMENTS
MP-1	810	—	—	—	—	—	GEM pulled WATER No Readings
MP-2	924	0.0	0.0	1.4	18.9	79.7	
MP-3	908	0.0	0.0	3.0	19.1	77.9	
MP-4	856	0.0	0.0	3.1	18.2	78.8	
MP-5	842	0.0	0.0	0.0	20.3	79.7	Stove pipe lid rusted away/ No lid on stove pipe.
MP-6	831	—	—	—	—	—	WATER OVER WELL
MP-7	821	0.0	0.0	4.6	17.6	77.9	
GAS PLANT	936	NA	0.0	0.0	19.7	80.3	
MAINTENANCE BUILDING	942	NA	0.0	0.0	19.9	80.1	

COMMENTS:

* ALL STOVE PIPES ARE IN POOR CONDITION (RUSTING AWAY) PW

APPENDIX C

TABULAR SUMMARIES OF HISTORICAL DATA

AMERICAN CANYON SANITARY LANDFILL
GROUNDWATER MONITORING HISTORICAL SUMMARY[1]
MONITORING PARAMETERS

Units: mg/l, unless noted

Sample Description	G-1	G-1	G-1	G-1	G-1	G-1	G-1	G-1	G-1	G-1	G-1	G-1	G-1	G-1	G-1	G-1	G-1
Sampling Date	01/09/90	04/23/90	07/06/90	10/03/90	12/07/90	01/05/91	04/25/91	06/25/91	06/25/91	01/07/92	04/07/92	07/24/92	10/13/92	10/23/92	01/05/93	04/28/93	07/09/93
Volatile Organic Compounds (ug/l) (EPA Method 8260)																	
Trichlorotrifluoroethane	NR	NR	NR	NR	NR	NR	ND	NR	NR	ND	ND	ND	ND	NR	ND	ND	ND
Methylene Chloride	NR	NR	NR	NR	NR	NR	ND	NR	NR	11	<10	<10	<10	NR	<10	<10	<10
Chloroform	NR	NR	NR	NR	NR	NR	ND	NR	NR	ND	ND	ND	ND	NR	ND	ND	ND
1,1,1-trichloroethane	NR	NR	NR	NR	NR	NR	ND	NR	NR	ND	ND	ND	ND	NR	ND	ND	ND
Benzene	NR	NR	NR	NR	NR	NR	ND	NR	NR	ND	ND	ND	3	NR	<1	<1	<1
Toluene	NR	NR	NR	NR	NR	NR	ND	NR	NR	ND	ND	ND	4	NR	<1	<1	<1
Chlorobenzene	NR	NR	NR	NR	NR	NR	ND	NR	NR	ND	ND	ND	ND	NR	ND	ND	ND
Ethylbenzene	NR	NR	NR	NR	NR	NR	ND	NR	NR	ND	ND	ND	ND	NR	ND	ND	ND
Total Xylenes	NR	NR	NR	NR	NR	NR	ND	NR	NR	ND	ND	ND	2	NR	<1	<5	<5
2-Hexanone	NR	NR	NR	NR	NR	NR	ND	NR	NR	ND	ND	ND	ND	NR	ND	ND	ND
Acetone	NR	NR	NR	NR	NR	NR	ND	NR	NR	ND	ND	ND	ND	NR	ND	ND	ND
Naphthalene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Carbon Disulfide	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	NR	ND	ND	ND
Iodomethane	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
1,2,4-Trimethylbenzene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
1,3,5-Trimethylbenzene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
1,1-dichloroethene	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	NR	ND	ND	ND
Styrene	NR	NR	NR	NR	NR	NR	ND	NR	NR	ND	ND	ND	ND	NR	ND	ND	ND
Trichloroethene	NR	NR	NR	NR	NR	NR	ND	NR	NR	ND	ND	ND	ND	NR	ND	ND	ND
1,2-Dichlorobenzene	NR	NR	NR	NR	NR	NR	ND	NR	NR	ND	ND	ND	ND	NR	ND	ND	ND
1,3-Dichlorobenzene	NR	NR	NR	NR	NR	NR	ND	NR	NR	ND	ND	ND	ND	NR	ND	ND	ND
1,4-Dichlorobenzene	NR	NR	NR	NR	NR	NR	ND	NR	NR	ND	ND	ND	ND	NR	ND	ND	ND
Isopropylbenzene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
n-Propylbenzene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
p-Isopropyltoluene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
m/p-Xylene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
o-Xylene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Tetrachloroethene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Bromobenzene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
sec-butylbenzene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
4-methyl-2-pentanone	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
1,2,3-Trichlorobenzene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Dichlorodifluoromethane	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Chloroethane	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Chloromethane	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Vinyl Chloride	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Carbon Tetrachloride	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
1,2-Dichloroethane	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Methyl tert-butyl ether	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
2-Butanone	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
n-Butylbenzene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Bromomethane	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR

[1] Only data from 1990 to present is presented here; however pre-1990 data is available upon request.
[2] This analytical result appears to be anomalous and therefore was not used in statistical evaluation procedures.
[3] Because this constituent was detected in the method blank during laboratory QA/QC, this quarter's data was not included in the statistical evaluation.
* The analytical results of this duplicate sample were not used in the statistical analysis.
** This result was revised during the first quarter 1999 to correct a laboratory reporting error.
ND = Not Detected. Detection limits are provided only for constituents that have been detected above the MDL at least once.
NR = Not Required
NS = Not Sampled

AMERICAN CANYON SANITARY LANDFILL
GROUNDWATER MONITORING HISTORICAL SUMMARY[1]
MONITORING PARAMETERS

Units: mg/l, unless noted

Sample Description	G-1	G-1	G-1	G-1	G-1	G-1	G-1	G-1	G-1	G-1	G-1	G-1	G-1	G-1	G-1	G-1	G-1
Sampling Date	12/01/93	02/09/94	04/07/94	08/30/94	10/25/94	01/18/95	04/18/95	07/13/95	11/01/95	01/03/96	04/11/96	07/24/96	10/22/96	01/07/97	04/16/97	07/16/97	10/09/97
Volatile Organic Compounds (ug/l)																	
(EPA Method 8260)																	
Trichlorotrifluoroethane	ND	ND	ND	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Methylene Chloride	<4	<1	<3	<10	<0.47	<0.47	<0.47	<0.2	<0.2	<0.2	<0.2	<0.08	<0.08	<0.08	<0.08	<7.1	<7.1
Chloroform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.43	<0.06	<0.83	<0.83
1,1,1-trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	<2	<0.5	<3	<1	<0.36	<0.36	<0.36	<0.5	<0.5	<0.5	<0.5	<0.08	<0.08	<0.08	<0.08	<0.040	<1.0
Toluene	<2	<0.5	<3	<1	<0.35	<0.35	<0.35	<0.3	<0.3	<0.3	<0.3	<0.07	<0.07	<0.07	<0.07	<0.70	<0.70
Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Xylenes	<4	<1	<6	<1	<0.5	<1.4	<1.4	<0.4	<0.4	<0.4	<0.4	<0.13	<0.13	<0.13	<0.13	NR	NR
2-Hexanone	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	NR	NR	NR	ND	trace	<4.4	<4.4	<2	<2	<2	<2	<5.75	<5.75	<5.75	<5.75	<0.80	<0.80
Naphthalene	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	NR	NR	NR	ND	trace	trace	<0.39	trace	trace	<0.4	<0.4	<0.47	1.9	2.8	trace	<0.96	2.7
Iodomethane	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR	ND	ND
1,2,4-Trimethylbenzene	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.13	<0.07	<0.80	<0.80
Trichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND
m/p-Xylene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND
o-Xylene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND
Tetrachloroethene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND
Bromobenzene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND
sec-butylbenzene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND
4-methyl-2-pentanone	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Dichlorodifluoromethane	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Chloroethane	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Chloromethane	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Vinyl Chloride	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Carbon Tetrachloride	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
1,2-Dichloroethane	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Methyl tert-butyl ether	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
2-Butanone	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
n-Butylbenzene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Bromomethane	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR

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[3] Because this constituent was detected in the method blank during laboratory QA/QC, this quarter's data was not included in the statistical evaluation.
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AMERICAN CANYON SANITARY LANDFILL
GROUNDWATER MONITORING HISTORICAL SUMMARY[1]
MONITORING PARAMETERS

Units: mg/l, unless noted

Sample Description	G-1	G-1	G-1	G-1	G-1	G-1	G-1	G-1	G-1	G-1	G-1	G-1	G-1	G-1	G-1	G-1	G-1
Sampling Date	01/13/98	03/04/98	04/08/98	07/09/98	10/08/98	01/06/99	02/17/99	04/07/99	07/08/99	10/13/99	01/06/00	05/09/00	07/13/00	11/10/00	01/25/01	04/17/01	07/26/01
Volatile Organic Compounds (ug/l)																	
(EPA Method 8260)																	
Trichlorotrifluoroethane	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Methylene Chloride	<7.1	NR	<7.1	<0.08	trace	trace	<0.80	<0.2	trace	<0.2	<0.3	<2.36	trace	trace[3]	trace[3]	<0.392	<0.2
Chloroform	<0.83	NR	<0.83	<0.06	<0.06	<0.06	<0.29	<0.2	<0.2	<0.2	<0.2	<0.07	<0.44	<0.44	<0.44	<0.164	<0.12
1,1,1-trichloroethane	ND	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	<1.1	NR	<1.0	<0.08	<0.08	trace	<0.25	<0.5	<0.5	<0.5	<0.2	<0.07	<0.19	<0.19	<0.19	3.3	0.72
Toluene	<0.70	NR	<0.70	<0.07	<0.07	trace	<0.25	<0.3	<0.3	<0.3	<0.2	<0.09	<0.08	trace	<0.08	7	trace
Chlorobenzene	ND	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	ND	NR	ND	ND	ND	trace	<0.33	<0.1	<0.1	<0.1	<0.2	<0.13	<0.08	<0.08	<0.08	2	<0.14
Total Xylenes	NR	NR	NR	<0.13	<0.13	trace	<0.79	<0.4	<0.4	<0.4	NR	<0.13	<0.16	trace	<0.16	9.8	trace
2-Hexanone	ND	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	<0.80	NR	<0.80	<5.75	<5.75	<5.75	<6.6	8	23	<2	<2	<2.11	<4.28	<4.28	<4.28	<5.935	<18
Naphthalene	ND	NR	ND	ND	ND	ND	ND	ND	ND	ND	trace	<0.4	<0.52	<0.52	<0.52	0.85	<0.19
Carbon Disulfide	<0.96	NR	<0.96	NR	NR	NR	NR	<0.4	trace	trace	trace	NR	NR	NR	NR	NR	NR
Iodomethane	ND	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR	NR
1,2,4-Trimethylbenzene	ND	NR	ND	ND	ND	trace	NA	<0.1	<0.1	<0.1	<0.2	<0.15	<0.26	<0.26	<0.26	1.5	trace
1,3,5-Trimethylbenzene	ND	NR	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	trace	<0.16	trace	<0.14
1,1-dichloroethene	ND	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	<0.80	NR	<0.80	<0.07	<0.07	<0.07	<0.25	<0.1	<0.1	<0.1	<0.2	<0.06	<0.11	<0.11	<0.11	<0.047	<0.13
Trichloroethene	ND	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ND	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	ND	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ND	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	ND	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	trace	<0.15
n-Propylbenzene	ND	NR	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	trace	<0.14
p-Isopropyltoluene	ND	NR	ND	ND	ND	ND	ND	ND	ND	NR	ND	ND	ND	ND	ND	ND	ND
m/p-Xylene	ND	NR	ND	NR	NR	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR	NR	NR
o-Xylene	ND	NR	ND	NR	NR	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR	NR	NR
Tetrachloroethene	ND	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromobenzene	ND	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
sec-butylbenzene	ND	NR	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-methyl-2-pentanone	ND	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	trace	<0.17
Dichlorodifluoromethane	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	NR	NR	NR	NR	NR	NR	trace	<0.5	<0.5	<0.5	<0.3	<0.11	<0.19	<0.19	<0.19	<0.053	<0.16
1,2-Dichloroethane	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl tert-butyl ether	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	NR	NR	1.4	<0.226	<0.094	<0.41
2-Butanone	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Butylbenzene	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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AMERICAN CANYON SANITARY LANDFILL
GROUNDWATER MONITORING HISTORICAL SUMMARY[1]
MONITORING PARAMETERS

Units: mg/l, unless noted

Sample Description	G-1	G-1	G-1	G-1	G-1	G-1	G-1	G-1	G-1	G-1	G-1	G-1	G-1	G-1	G-2	G-2	G-2
Sampling Date	10/23/01	01/11/02	04/03/02	07/10/02	10/10/02	01/08/03	04/09/03	07/08/03	10/08/03	01/08/04	04/13/04	07/13/04	10/05/04	01/12/05	04/23/90	07/06/90	12/07/90
Volatile Organic Compounds (ug/l) (EPA Method 8260)																	
Trichlorotrifluoroethane	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Methylene Chloride	<0.2	<0.95	<0.084	<0.14	<0.19	<0.95	5.9	16	<0.12	<0.17	<0.17	<0.16	<0.16	<0.16	NR	NR	NR
Chloroform	<0.12	<0.074	<0.096	<0.17	<0.051	<0.074	<0.074	<0.33	<0.048	<0.19	<0.19	<0.11	<0.11	<0.11	NR	NR	NR
1,1,1-trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR
Benzene	<0.12	<0.059	<0.048	<0.15	trace	<0.059	<0.059	<0.25	<0.035	<0.06	trace	<0.13	<0.13	<0.13	NR	NR	NR
Toluene	trace	<0.098	<0.085	<0.13	trace	<0.098	<0.098	<0.34	<0.042	<0.063	trace	trace	trace	<0.15	NR	NR	NR
Chlorobenzene	trace	<0.085	<0.053	<0.11	<0.064	<0.085	<0.085	<0.20	<0.049	<0.084	<0.084	<0.12	<0.12	<0.12	NR	NR	NR
Ethylbenzene	<0.14	<0.12	<0.068	<0.083	<0.043	<0.12	<0.12	<0.45	<0.03	<0.051	<0.051	<0.14	<0.14	<0.14	NR	NR	NR
Total Xylenes	<0.46	<0.35	<0.19	<0.30	trace	<0.35	<0.35	<1.2	<0.14	<0.15	trace	<0.4	<0.4	<0.4	NR	NR	NR
2-Hexanone	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Acetone	<18	<7	<4.2	<4.0	<2.6	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Naphthalene	trace	<0.13	<0.11	<0.068	<0.036	<0.13	<0.13	<0.33	<0.13	<0.074	<0.074	<0.12	<0.12	<0.12	NR	NR	NR
Carbon Disulfide	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Iodomethane	NR	NR	6.2	<0.28	<0.99	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
1,2,4-Trimethylbenzene	<0.15	<0.19	<0.07	<0.097	trace	<0.19	<0.19	<0.25	<0.062	<0.07	trace	<0.16	<0.16	<0.16	NR	NR	NR
1,3,5-Trimethylbenzene	<0.14	<0.13	<0.062	<0.094	<0.038	<0.13	<0.13	<0.27	<0.087	<0.059	<0.059	<0.13	<0.13	<0.13	NR	NR	NR
1,1-dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR
Styrene	<0.13	<0.11	<0.057	<0.11	<0.049	<0.11	<0.11	<0.15	<0.068	<0.025	<0.025	<0.14	<0.14	<0.14	NR	NR	NR
Trichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR
Isopropylbenzene	<0.15	<0.14	<0.053	<0.097	<0.057	<0.14	<0.14	<0.32	<0.034	<0.16	<0.16	<0.11	<0.11	<0.11	NR	NR	NR
n-Propylbenzene	<0.14	<0.11	<0.054	<0.096	<0.069	<0.11	<0.11	<0.36	<0.034	<0.067	<0.067	<0.11	<0.11	<0.11	NR	NR	NR
p-Isopropyltoluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR
m/p-Xylene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
o-Xylene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR
Bromobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR
sec-butylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR
4-methyl-2-pentanone	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
1,2,3-Trichlorobenzene	<0.17	<0.13	<0.098	<0.084	<0.079	<0.13	<0.13	<0.74	<0.15	<0.14	<0.14	<0.16	<0.16	<0.16	NR	NR	NR
Dichlorodifluoromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR
Chloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR
Chloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR
Vinyl Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR
Carbon Tetrachloride	<0.16	<0.078	<0.078	<0.17	<0.065	<0.078	<0.078	<0.27	<0.057	<0.061	<0.061	<0.11	<0.11	<0.11	NR	NR	NR
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR
Methyl tert-butyl ether	<0.41	<0.13	<0.09	<0.17	<0.074	<0.13	<0.13	<0.46	<0.054	<0.076	trace	<0.15	<0.15	<0.15	NR	NR	NR
2-Butanone	ND	ND	NR	NR	NR	ND	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
n-Butylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR
Bromomethane	trace	<0.16	<0.17	<0.088	<0.028	<0.16	<0.16	<0.80	<0.37	<0.35	<0.35	<0.12	<0.12	<0.12	NR	NR	NR

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AMERICAN CANYON SANITARY LANDFILL
GROUNDWATER MONITORING HISTORICAL SUMMARY[1]
MONITORING PARAMETERS

Units: mg/l, unless noted

Sample Description	G-2	G-2	G-2	G-2	G-2	G-2	G-2	G-2	G-2	G-2	G-2	G-2	G-2	G-2	G-2	G-2	G-2
Sampling Date	04/24/91	07/02/91	01/06/92	04/06/92	07/24/92	10/23/92	01/04/93	04/27/93	07/08/93	11/30/93	02/09/94	04/06/94	08/30/94	10/25/94	01/19/95	04/17/95	07/13/95
Volatile Organic Compounds (ug/l)																	
(EPA Method 8260)																	
Trichlorotrifluoroethane	ND	ND	12	<10	<10	<10	<10	<10	<10	<0.5	0.89	<0.5	<10	NR	NR	NR	NR
Methylene Chloride	ND	ND	12	<10	<10	<10	<10	<10	<10	<0.5	<1	<0.5	<10	<0.47	<0.47	<0.47	<0.2
Chloroform	ND	ND	1	<1	<1	<1	<1	<1	<1	<0.5	0.53	<0.5	<1	<0.31	<0.31	<0.31	<0.2
1,1,1-trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Xylenes	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	ND	ND	ND	ND	ND
Acetone	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	ND	trace	<4.4	<4.4	<2
Naphthalene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND
Carbon Disulfide	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	ND	ND	ND	ND	ND
Iodomethane	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND
1,2,4-Trimethylbenzene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND
1,3,5-Trimethylbenzene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND
1,1-dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	ND	ND	ND	ND	ND
Trichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND
n-Propylbenzene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND
p-Isopropyltoluene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
m/p-Xylene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
o-Xylene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Tetrachloroethene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Bromobenzene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
sec-butylbenzene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
4-methyl-2-pentanone	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
1,2,3-Trichlorobenzene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Dichlorodifluoromethane	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Chloroethane	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Chloromethane	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Vinyl Chloride	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Carbon Tetrachloride	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
1,2-Dichloroethane	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Methyl tert-butyl ether	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
2-Butanone	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
n-Butylbenzene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Bromomethane	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR

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AMERICAN CANYON SANITARY LANDFILL
GROUNDWATER MONITORING HISTORICAL SUMMARY[1]
MONITORING PARAMETERS

Units: mg/l, unless noted

Sample Description	G-2	G-2	G-2	G-2	G-2	G-2	G-2	G-2	G-2	G-2	G-2	G-2	G-2	G-2	G-2	G-2	G-2
Sampling Date	11/01/95	01/03/96	04/10/96	07/23/96	10/21/96	01/06/97	04/15/97	07/16/97	10/08/97	01/12/98	04/07/98	07/07/98	09/04/98	10/07/98	01/05/99	04/06/99	07/07/99
Volatile Organic Compounds (ug/l) (EPA Method 8260)																	
Trichlorotrifluoroethane	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Methylene Chloride	<0.2	<0.2	<0.2	<0.08	<0.08	<0.08	<0.08	<7.1	<7.1	<7.1	<7.1	<0.08	<0.08	trace	trace	<0.2	trace
Chloroform	<0.2	<0.2	<0.2	<0.06	<0.06	<0.06	<0.06	<0.83	<0.83	<0.83	<0.83	<0.06	<0.06	<0.06	<0.06	<0.2	<0.2
1,1,1-trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	ND	ND	ND	ND	ND	ND	trace	<0.040	<1.0	<1.0	<1.0	0.84	<1.0	<1.0	trace	<0.5	<0.5
Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.3	<0.07	<0.07	trace	<0.3	<0.3
Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	trace	<0.07	<0.07	<0.07	<0.1	<0.1
Total Xylenes	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR	1	<0.13	<0.13	<0.13	<0.4	<0.4
2-Hexanone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	<2	<2	<2	<5.75	11	<5.75	<5.75	<0.80	<0.80	<0.80	<0.80	19	<0.80	<0.80	<0.80	7	trace
Naphthalene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	ND	ND	ND	ND	ND	ND	ND	ND	2.0	<0.96	<0.96	NR	NR	NR	NR	<0.4	<0.4
Iodomethane	ND	ND	ND	NR	NR	NR	NR	trace	<1.2	<1.2	<1.2	<0.18	<0.18	<0.18	<0.18	<0.2	<0.2
1,2,4-Trimethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	trace	<0.06	<0.06	<0.06	<0.1	<0.1
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
m/p-Xylene	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	NR	NR	NR	NR	NR	NR
o-Xylene	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	NR	NR	NR	NR	NR	NR
Tetrachloroethene	NR	NR	NR	ND	ND	ND	trace	<0.87	<0.87	<0.87	<0.87	trace	<0.16	<0.16	<0.16	<0.3	<0.3
Bromobenzene	NR	NR	NR	ND	ND	ND	ND	ND	ND	trace	<0.74	<0.07	<0.07	<0.07	<0.07	<0.1	<0.1
sec-butylbenzene	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-methyl-2-pentanone	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND
Chloroethane	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND
Chloromethane	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND
Vinyl Chloride	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND
1,2-Dichloroethane	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND
Methyl tert-butyl ether	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND
2-Butanone	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND
n-Butylbenzene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND
Bromomethane	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND

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AMERICAN CANYON SANITARY LANDFILL
GROUNDWATER MONITORING HISTORICAL SUMMARY[1]
MONITORING PARAMETERS

Units: mg/l, unless noted

Sample Description	G-2	G-2	G-2	G-2	G-2	G-2	G-2	G-2	G-2	G-2	G-2	G-2	G-2	G-2	G-2	G-2	G-2
Sampling Date	10/12/99	01/05/00	05/08/00	07/13/00	11/07/00	01/23/01	04/17/01	07/26/01	10/23/01	01/10/02	04/02/02	07/09/02	10/10/02	01/07/03	04/08/03	07/08/03	10/07/03
Volatile Organic Compounds (ug/l) (EPA Method 8260)																	
Trichlorotrifluoroethane	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Methylene Chloride	<0.2	<0.3	<2.36	trace	<0.32	1.1[3]	<0.392	<0.2	<0.2	<0.95	<0.084	<0.14	<0.19	<0.95	4.6	15	<0.12
Chloroform	<0.2	<0.2	<0.07	<0.44	<0.44	<0.44	<0.164	<0.12	<0.12	<0.074	<0.096	<0.17	<0.051	<0.074	<0.074	<0.33	<0.048
1,1,1-trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	<0.5	<0.2	<0.07	<0.19	<0.19	<0.19	trace	<0.12	<0.12	<0.059	<0.048	<0.15	<0.042	<0.059	<0.059	<0.25	<0.035
Toluene	<0.3	<0.2	<0.09	<0.08	<0.08	<0.08	<0.047	<0.13	<0.13	<0.098	<0.085	<0.13	<0.058	<0.098	<0.098	<0.34	<0.042
Chlorobenzene	ND	ND	ND	trace	<0.05	<0.05	<0.082	<0.14	<0.14	<0.085	<0.053	<0.11	<0.064	<0.085	<0.085	<0.20	<0.049
Ethylbenzene	<0.1	<0.2	<0.13	<0.08	<0.08	<0.08	trace	<0.14	<0.14	<0.12	<0.068	<0.083	<0.043	<0.12	<0.12	<0.45	<0.03
Total Xylenes	<0.4	NR	<0.13	<0.16	<0.16	<0.16	trace	<0.46	<0.46	<0.35	<0.19	<0.30	<0.014	<0.35	<0.35	<1.2	<0.14
2-Hexanone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR
Acetone	<2	<8	<2.11	trace	trace	<4.28	<5.935	<18	<18	<7	20	<4.0	trace	NR	NR	NR	NR
Naphthalene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	<0.4	<0.2	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Iodomethane	<0.2	<0.05	NR	NR	NR	NR	NR	NR	NR	NR	<0.52	<0.28	<0.99	NR	NR	NR	NR
1,2,4-Trimethylbenzene	<0.1	<0.2	<0.15	<0.26	<0.26	<0.26	trace	<0.15	<0.15	<0.19	<0.07	<0.097	<0.055	<0.19	<0.19	<0.25	<0.062
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
m/p-Xylene	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
o-Xylene	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Tetrachloroethene	<0.3	<0.2	<0.1	trace	trace	trace	<0.062	<0.21	<0.21	trace	<0.056	trace	<0.073	trace	<0.074	<0.43	<0.049
Bromobenzene	<0.1	<0.2	<0.07	<0.18	<0.18	<0.18	<0.059	<0.14	<0.14	<0.13	<0.042	<0.11	<0.054	<0.13	<0.13	<0.19	<0.09
sec-butylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-methyl-2-pentanone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR
1,2,3-Trichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	trace	<0.16	<0.16	<0.55	<0.056
Vinyl Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl tert-butyl ether	ND	ND	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	ND	ND	ND	ND	trace	<0.97	<1.752	<13	<13	<5.4	NR	NR	NR	<5.4	<5.4	NR	NR
n-Butylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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AMERICAN CANYON SANITARY LANDFILL
GROUNDWATER MONITORING HISTORICAL SUMMARY[1]
MONITORING PARAMETERS

Units: mg/l, unless noted

Sample Description	G-2	G-2	G-2	G-2	G-2	G-3A	G-3A	G-3A	G-3A	G-3A	G-3A	G-3A	G-3A	G-3A	G-3A	G-3A	G-3A
Sampling Date	01/07/04	04/13/04	07/13/04	10/05/04	01/11/05	01/09/90	04/24/90	07/05/90	10/03/90	12/07/90	01/03/91	04/25/91	06/24/91	06/24/91	07/02/91	10/09/91	01/06/92
Volatile Organic Compounds (ug/l) (EPA Method 8260)																	
Trichlorotrifluoroethane	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	13
Methylene Chloride	<0.17	<0.17	<0.16	<0.16	<0.16	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	12
Chloroform	<0.19	<0.19	<0.11	<0.11	<0.11	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	2	<1
1,1,1-trichloroethane	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR	NR	ND	1.3	<50 *	<1	2	<1
Benzene	<0.06	<0.06	<0.13	<0.13	<0.13	NR	NR	NR	NR	NR	NR	1.2	1.2	<50 *	1.5	1	1
Toluene	<0.063	<0.063	<0.12	trace	<0.15	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND
Chlorobenzene	<0.084	<0.084	<0.12	<0.12	<0.12	NR	NR	NR	NR	NR	NR	10	8.6	<50 *	9.9	10	8
Ethylbenzene	<0.051	<0.051	<0.14	<0.14	<0.14	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND
Total Xylenes	<0.15	<0.15	<0.4	<0.4	<0.4	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND
2-Hexanone	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND
Acetone	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND
Naphthalene	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Carbon Disulfide	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND
Iodomethane	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
1,2,4-Trimethylbenzene	<0.07	<0.07	<0.16	<0.16	<0.16	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
1,1-dichloroethene	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND
Styrene	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND
Trichloroethene	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND
Isopropylbenzene	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
n-Propylbenzene	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
p-Isopropyltoluene	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
m/p-Xylene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
o-Xylene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Tetrachloroethene	trace	trace	<0.12	<0.12	trace	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Bromobenzene	<0.083	<0.083	<0.15	<0.15	<0.15	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
sec-butylbenzene	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
4-methyl-2-pentanone	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
1,2,3-Trichlorobenzene	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Dichlorodifluoromethane	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Chloroethane	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Chloromethane	<0.04	<0.04	<0.13	<0.13	<0.13	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Vinyl Chloride	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Carbon Tetrachloride	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
1,2-Dichloroethane	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Methyl tert-butyl ether	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
2-Butanone	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
n-Butylbenzene	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Bromomethane	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR

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AMERICAN CANYON SANITARY LANDFILL
GROUNDWATER MONITORING HISTORICAL SUMMARY[1]
MONITORING PARAMETERS

Units: mg/l, unless noted

Sample Description	G-3A	G-3A	G-3A	G-3A	G-3A	G-3A	G-3A	G-3A	G-3A	G-3A	G-3A	G-3A	G-3A	G-3A	G-3A	G-3A	G-3A
Sampling Date	04/07/92	07/23/92	10/13/92	01/04/93	04/28/93	07/08/93	11/30/93	02/09/94	04/07/94	08/30/94	10/26/94	01/18/95	04/17/95	07/13/95	10/31/95	01/02/96	04/10/96
Volatile Organic Compounds (ug/l) (EPA Method 8260)																	
Trichlorotrifluoroethane	<10	<10	<10	<10	<10	<10	<2	0.77	<3	<10	NR	NR	NR	NR	NR	NR	NR
Methylene Chloride	<10	<10	<10	<10	<10	<10	<4	<1	<3	<1	<0.47	<0.9	<0.94	<0.4	<0.4	<0.4	<2
Chloroform	<1	<1	<1	<1	<1	<1	<2	<0.5	<3	<1	<0.31	<0.6	<0.62	<0.4	<0.4	<0.4	<2
1,1,1-trichloroethane	<1	<1	<1	<1	<1	<1	<2	<0.5	<3	<1	<0.31	<0.6	<0.62	<0.6	<0.6	<0.6	<3
Benzene	1	1	<1	1	<1	1	<4	1.1	<3	<1	1	1	trace	trace	trace	trace	<5
Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	10	11	10	11	9	10	11	8.7	7.9	9	11	11	trace	trace	trace	trace	<1
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Xylenes	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	ND	ND	ND	ND	ND	ND	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	ND	ND	ND	ND	ND	ND	NR	NR	NR	ND	trace	<8.8	<8.8	trace	53	<4	<20
Naphthalene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	ND	ND	ND	ND	ND	ND	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND
Iodomethane	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	3	trace	<0.4	<0.4	<0.4	<2
1,2,4-Trimethylbenzene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND
1,1-dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	trace	<4
Styrene	ND	ND	ND	ND	ND	ND	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
m/p-Xylene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
o-Xylene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Tetrachloroethene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Bromobenzene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
sec-butylbenzene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
4-methyl-2-pentanone	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
1,2,3-Trichlorobenzene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Dichlorodifluoromethane	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Chloroethane	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Chloromethane	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Vinyl Chloride	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Carbon Tetrachloride	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
1,2-Dichloroethane	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Methyl tert-butyl ether	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
2-Butanone	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
n-Butylbenzene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Bromomethane	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR

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AMERICAN CANYON SANITARY LANDFILL
GROUNDWATER MONITORING HISTORICAL SUMMARY[1]
MONITORING PARAMETERS

Units: mg/l, unless noted

Sample Description	G-3A	G-3A	G-3A	G-3A	G-3A	G-3A	G-3A	G-3A	G-3A	G-3A	G-3A	G-3A	G-3A	G-3A	G-3A	G-3A	G-3A
Sampling Date	07/23/96	10/21/96	01/06/97	04/15/97	07/15/97	10/08/97	01/12/98	03/04/98	04/07/98	07/07/98	10/08/98	01/05/99	04/06/99	07/08/99	10/13/99	01/05/00	05/09/00
Volatile Organic Compounds (ug/l) (EPA Method 8260)																	
Trichlorotrifluoroethane	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Methylene Chloride	<0.08	<0.08	<0.08	<0.08	<7.1	<7.1	<7.1	NR	<7.1	<0.08	<0.08	1.3	<0.2	trace	<0.2	<0.3	<2.36
Chloroform	<0.06	<0.06	0.30	<0.06	<0.83	<0.83	<0.83	NR	<0.83	<0.06	<0.06	<0.06	<0.2	<0.2	<0.2	<0.2	<0.07
1,1,1-trichloroethane	<0.10	<0.10	<0.10	<0.10	<1.2	<1.2	<1.2	NR	<1.2	<0.10	<0.10	<0.10	<0.3	<0.3	<0.3	<0.3	<0.09
Benzene	1.0	1.2	1.4	0.97	<0.040	trace	<1.0	NR	<1.0	0.72	1.4	0.85	trace	trace	trace	trace	<0.07
Toluene	ND	0.15	<0.007	trace	<0.70	<0.70	<0.70	NR	<0.70	<0.07	trace	trace	<0.3	<0.3	<0.3	<0.2	<0.09
Chlorobenzene	8.5	9.2	12	8.0	trace	7.4	2.0	NR	6.2	7.5	10	8.6	6	9	8	9.6	<0.05
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Xylenes	ND	0.15	<0.13	<0.13	NR	NR	NR	NR	NR	<0.13	trace	trace	<0.4	<0.4	<0.4	NR	<0.13
2-Hexanone	ND	ND	ND	ND	ND	ND	ND	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	<5.75	45	30	16	<0.80	13	<0.80	NR	<0.80	14	15	24	20	27	8	20	<2.11
Naphthalene	ND	0.55	0.31	trace	<1.4	<1.4	<1.4	NR	<1.4	trace	trace	trace	trace	<0.3	<0.3	trace	<0.4
Carbon Disulfide	ND	ND	ND	ND	ND	trace	<0.96	NR	<0.96	NR	NR	NR	<0.4	<0.4	trace	<0.2	NR
Iodomethane	NR	NR	NR	NR	<1.2	<1.2	<1.2	NR	<1.2	<0.18	<0.18	<0.18	<0.2	<0.2	<0.2	<0.05	NR
1,2,4-Trimethylbenzene	ND	0.30	<0.06	<0.06	<1.1	<1.1	<1.1	NR	<1.1	<0.06	<0.06	trace	<0.1	<0.1	<0.1	<0.2	<0.15
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	ND	ND	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-dichloroethene	<0.11	<0.11	<0.11	<0.11	<0.72	<0.72	<0.72	NR	<0.72	<0.11	<0.11	<0.11	<0.4	<0.4	<0.4	<0.2	<0.1
Styrene	0.95	0.15	<0.07	<0.07	<0.80	<0.80	<0.80	NR	<0.80	<0.07	<0.07	<0.07	<0.1	<0.1	<0.1	<0.2	<0.06
Trichloroethene	ND	ND	ND	ND	ND	ND	ND	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ND	0.13	<0.12	trace	<0.95	<0.95	<0.95	NR	<0.95	trace	trace	<0.12	<0.1	<0.1	<0.1	<0.2	<0.09
1,3-Dichlorobenzene	ND	0.26	0.22	trace	<1.1	<1.1	<1.1	NR	<1.1	trace	trace	trace	<0.1	<0.1	<0.1	trace	<0.09
1,4-Dichlorobenzene	ND	0.28	0.25	trace	<0.89	<0.89	<0.89	NR	<0.89	trace	trace	trace	<0.1	trace	<0.1	trace	<0.1
Isopropylbenzene	ND	0.24	0.21	trace	<1.2	<1.2	<1.2	NR	<1.2	trace	trace	trace	<0.3	<0.3	<0.3	trace	<0.06
n-Propylbenzene	ND	0.12	<0.007	trace	<0.95	<0.95	<0.95	NR	<0.95	trace	<0.07	trace	<0.2	<0.2	<0.2	<0.2	<0.11
p-Isopropyltoluene	ND	ND	ND	ND	ND	ND	ND	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND
m/p-Xylene	NR	NR	NR	NR	ND	ND	ND	NR	ND	NR	NR	NR	NR	NR	NR	ND	NR
o-Xylene	NR	NR	NR	NR	ND	ND	ND	NR	ND	NR	NR	NR	NR	NR	NR	ND	NR
Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND	NR	ND	trace	<0.16	<0.16	<0.3	<0.3	<0.3	<0.2	<0.1
Bromobenzene	ND	ND	ND	ND	ND	ND	2.4	NR	<0.74	<0.07	<0.07	<0.07	<0.1	<0.1	<0.1	<0.2	<0.07
sec-butylbenzene	ND	ND	ND	ND	ND	ND	ND	NR	ND	ND	ND	trace	<0.3	<0.3	<0.3	<0.2	<0.07
4-methyl-2-pentanone	ND	ND	ND	ND	ND	ND	ND	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	trace	<0.3	<0.3	<0.3	<0.2	<0.14
Chloroethane	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	trace
Chloromethane	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND
1,2-Dichloroethane	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	trace	<0.07
Methyl tert-butyl ether	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	trace	<0.2	<0.2	<0.2	NR
2-Butanone	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND
n-Butylbenzene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND
Bromomethane	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND

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GROUNDWATER MONITORING HISTORICAL SUMMARY[1]
MONITORING PARAMETERS

Units: mg/l, unless noted

Sample Description	G-3A	G-3A	G-3A	G-3A	G-3A	G-3A	G-3A	G-3A	G-3A	G-3A	G-3A	G-3A	G-3A	G-3A	G-3A	G-3A	G-3A
Sampling Date	07/13/00	11/07/00	01/23/01	04/17/01	07/25/01	10/23/01	01/10/02	04/02/02	07/09/02	10/09/02	01/07/03	04/08/03	07/08/03	10/07/03	01/07/04	04/13/04	07/13/04
Volatile Organic Compounds (ug/l)																	
(EPA Method 8260)																	
Trichlorotrifluoroethane	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Methylene Chloride	trace	<0.32	1.1 [3]	<0.392	<0.2	<0.2	<0.95	<0.084	<0.14	14	<0.95	40	15	<0.12	<0.17	<0.17	<0.16
Chloroform	<0.44	<0.44	<0.44	<0.164	<0.12	<0.12	<0.074	<0.096	<0.17	<0.051	<0.074	<0.074	<0.33	<0.048	<0.19	<0.19	<0.11
1,1,1-trichloroethane	<0.15	<0.15	<0.15	<0.204	<0.27	<0.27	<0.053	<0.1	<0.35	<0.067	<0.053	<0.053	<0.35	<0.072	<0.61	<0.61	<0.12
Benzene	1.0	trace	1.1	2.1	1.3	1.1	<0.059	1.0	trace	6.9	1.5	<0.059	<0.25	0.81	1.1	0.75	0.99
Toluene	trace	trace	trace	3.2	<0.13	trace	<0.098	<0.085	trace	<0.058	trace	<0.098	<0.34	trace	trace	trace	trace
Chlorobenzene	<0.05	7.7	9.3	5.4	6.6	11	8.5	10	2.7	8.7	12	8.3	9.8	11	12	0.79	10
Ethylbenzene	ND	ND	ND	1.2	<0.14	<0.14	<0.12	<0.068	<0.083	trace	<0.12	<0.12	<0.45	<0.03	<0.051	<0.051	<0.14
Total Xylenes	<0.16	trace	trace	6.1	<0.46	<0.46	<0.35	<0.19	<0.30	<0.14	trace	<0.35	3.2	<0.14	trace	trace	<0.4
2-Hexanone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR
Acetone	trace	trace	trace	trace	21	<18	<7	46	<4.0	trace	NR	NR	NR	NR	NR	NR	NR
Naphthalene	<0.52	trace	trace	0.6	2.1	trace	<0.13	trace	trace	<0.036	1.6	<0.13	<0.33	trace	2.1	trace	2.5
Carbon Disulfide	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Iodomethane	NR	NR	NR	NR	NR	NR	NR	<0.52	<0.28	<0.99	NR	NR	NR	NR	NR	NR	NR
1,2,4-Trimethylbenzene	<0.26	<0.26	<0.26	1.2	<0.15	<0.15	<0.19	<0.07	<0.097	<0.055	<0.19	<0.19	<0.25	<0.062	trace	trace	<0.16
1,3,5-Trimethylbenzene	ND	trace	<0.16	trace	<0.14	<0.14	<0.13	<0.062	<0.094	<0.038	<0.13	<0.13	<0.27	<0.087	<0.059	<0.059	<0.13
1,1-dichloroethene	<0.19	<0.19	<0.19	<0.095	<0.17	<0.17	<0.11	<0.1	<0.16	<0.087	<0.11	<0.11	<0.27	<0.054	<0.054	<0.054	<0.15
Styrene	<0.11	<0.11	<0.11	<0.047	<0.13	<0.13	<0.11	<0.057	<0.11	<0.049	<0.11	<0.11	<0.15	<0.068	<0.025	<0.025	<0.14
Trichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	<0.11	trace	<0.11	<0.092	<0.12	trace	<0.23	<0.073	<0.090	<0.035	<0.23	<0.23	<0.28	<0.089	trace	trace	<0.16
1,3-Dichlorobenzene	<0.10	trace	<0.10	trace	trace	trace	<0.14	trace	trace	<0.054	<0.14	<0.14	<0.30	trace	trace	trace	trace
1,4-Dichlorobenzene	<0.10	trace	<0.10	trace	trace	trace	<0.13	trace	trace	<0.050	<0.13	<0.13	<0.31	trace	trace	trace	trace
Isopropylbenzene	<0.20	trace	<0.20	trace	trace	trace	<0.14	trace	trace	<0.057	trace	<0.14	<0.32	trace	trace	trace	trace
n-Propylbenzene	<0.13	<0.13	<0.13	trace	<0.14	trace	<0.11	<0.054	trace	<0.069	<0.11	<0.11	<0.36	trace	trace	trace	<0.11
p-Isopropyltoluene	ND	trace	<0.09	<0.074	<0.16	<0.16	<0.15	<0.068	<0.094	<0.068	<0.15	<0.15	<0.28	<0.044	<0.065	<0.065	<0.15
m/p-Xylene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
o-Xylene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Tetrachloroethene	<0.04	<0.04	<0.04	<0.062	<0.21	<0.21	<0.11	<0.056	<0.15	<0.073	<0.11	<0.11	<0.43	<0.049	<0.092	<0.092	<0.12
Bromobenzene	<0.18	<0.18	<0.18	<0.059	<0.14	<0.14	<0.13	<0.042	<0.11	<0.054	<0.13	<0.13	<0.19	<0.09	<0.083	<0.083	<0.15
sec-butylbenzene	<0.10	<0.10	<0.10	<0.070	<0.15	<0.15	<0.23	<0.068	<0.096	<0.077	<0.23	<0.23	<0.32	<0.053	<0.079	<0.079	<0.12
4-methyl-2-pentanone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR
1,2,3-Trichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	<0.23	<0.23	<0.23	<0.038	<0.16	<0.16	<0.19	<0.14	<0.20	<0.098	<0.19	<0.19	<0.51	<0.042	<0.11	<0.11	<0.098
Chloroethane	trace	<0.36	<0.36	<0.053	<0.15	<0.15	<0.17	<0.087	<0.23	<0.038	<0.17	<0.17	<0.89	<0.11	<0.29	<0.29	<0.16
Chloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	ND	ND	ND	ND	trace	<0.16	<0.22	<0.12	<0.14	<0.050	<0.22	<0.22	<0.54	<0.092	<0.057	<0.057	<0.13
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	<0.25	<0.25	<0.25	<0.095	<0.13	<0.13	<0.067	<0.059	<0.19	<0.070	<0.067	<0.067	<0.24	<0.12	<0.086	<0.086	<0.13
Methyl tert-butyl ether	NR	ND	ND	ND	ND	ND	ND	ND	ND	9.3	ND	ND	ND	trace	trace	trace	<0.15
2-Butanone	ND	trace	<0.97	<1.752	<13	<13	<5.4	NR	NR	NR	<5.4	<5.4	NR	NR	NR	NR	NR
n-Butylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	trace	<0.041	ND	ND	ND	ND	ND	ND	ND
Bromomethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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AMERICAN CANYON SANITARY LANDFILL
GROUNDWATER MONITORING HISTORICAL SUMMARY[1]
MONITORING PARAMETERS

Units: mg/l, unless noted

Sample Description	G-3A	G-3A	G-4	G-4	G-4	G-4	G-4	G-4	G-4	G-4	G-4	G-4	G-4	G-4	G-4	G-4	G-4
Sampling Date	10/05/04	01/11/05	04/24/90	07/06/90	10/03/90	12/07/90	01/04/91	04/25/91	07/02/91	10/09/91	01/07/92	04/07/92	07/23/92	10/13/92	01/05/93	04/28/93	07/09/93
Volatile Organic Compounds (ug/l) (EPA Method 8260)																	
Trichlorotrifluoroethane	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	11	<10	<10	<10	<10	<10	<10
Methylene Chloride	<0.16	<0.16	NR	NR	NR	NR	NR	ND	ND	ND	12	<10	<10	<10	<10	<10	<10
Chloroform	<0.11	<0.11	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-trichloroethane	<0.12	<0.12	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	trace	0.6	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	trace	<0.15	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	2.5	6.8	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	<0.14	<0.14	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Xylenes	<0.4	<0.4	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	trace	<0.093	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Carbon Disulfide	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Iodomethane	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
1,2,4-Trimethylbenzene	<0.16	<0.16	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
1,3,5-Trimethylbenzene	<0.13	<0.13	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
1,1-dichloroethene	<0.15	<0.15	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	<0.14	<0.14	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	ND	ND	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	<0.16	trace	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	<0.11	trace	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	<0.072	trace	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	<0.16	trace	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
n-Propylbenzene	trace	<0.11	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
p-Isopropyltoluene	<0.15	<0.15	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
m/p-Xylene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
o-Xylene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Tetrachloroethene	<0.12	<0.12	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Bromobenzene	<0.15	<0.15	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
sec-butylbenzene	<0.12	<0.12	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
4-methyl-2-pentanone	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
1,2,3-Trichlorobenzene	ND	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Dichlorodifluoromethane	<0.098	<0.098	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Chloroethane	<0.16	<0.16	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Chloromethane	ND	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Vinyl Chloride	<0.13	<0.13	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Carbon Tetrachloride	ND	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
1,2-Dichloroethane	<0.13	<0.13	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Methyl tert-butyl ether	<0.15	trace	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
2-Butanone	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
n-Butylbenzene	ND	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Bromomethane	ND	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR

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AMERICAN CANYON SANITARY LANDFILL
GROUNDWATER MONITORING HISTORICAL SUMMARY[1]
MONITORING PARAMETERS

Units: mg/l, unless noted

Sample Description	G-4	G-4	G-4	G-4	G-4	G-4	G-4	G-4	G-4	G-4	G-4	G-4	G-4	G-4	G-4	G-4	G-4
Sampling Date	12/01/93	02/09/94	04/07/94	08/30/94	10/26/94	01/19/95	04/19/95	07/13/95	10/31/95	01/03/96	04/11/96	07/24/96	10/22/96	01/07/97	04/16/97	07/16/97	10/10/97
Volatile Organic Compounds (ug/l)																	
(EPA Method 8260)																	
Trichlorotrifluoroethane	<0.5	2.2	<0.5	<10	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Methylene Chloride	<0.5	<1	<0.5	<10	<0.47	<0.47	<0.47	<0.2	<0.2	<0.2	<0.2	<0.08	<0.08	<0.08	<0.08	<7.1	<7.1
Chloroform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Xylenes	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR
2-Hexanone	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Iodomethane	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR	ND	ND
1,2,4-Trimethylbenzene	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND
m/p-Xylene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND
o-Xylene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND
Tetrachloroethene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	2.3	<0.87
Bromobenzene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND
sec-butylbenzene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND
4-methyl-2-pentanone	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND
Chloroethane	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND
Chloromethane	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND
Vinyl Chloride	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
1,2-Dichloroethane	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Methyl tert-butyl ether	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
2-Butanone	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
n-Butylbenzene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Bromomethane	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR

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AMERICAN CANYON SANITARY LANDFILL
GROUNDWATER MONITORING HISTORICAL SUMMARY[1]
MONITORING PARAMETERS

Units: mg/l, unless noted

Sample Description	G-4	G-4	G-4	G-4	G-4	G-4	G-4	G-4	G-4	G-4	G-4	G-4	G-4	G-4	G-6A	G-6A	G-6A
Sampling Date	01/12/98	04/07/98	10/08/98	01/07/99	04/08/99	07/09/99	10/14/99	01/06/00	01/06/00	11/10/00	01/25/01	04/17/01	07/26/01	10/24/01	01/09/90	04/24/90	07/05/90
Volatile Organic Compounds (ug/l) (EPA Method 8260)																	
Trichlorotrifluoroethane	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Methylene Chloride	<7.1	NS	trace	trace	<0.2	trace	<0.2	<2.36	<0.36	trace[3]	1.2 [3]	<0.392	<0.2	<0.2	NR	NR	NR
Chloroform	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR
1,1,1-trichloroethane	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR
Benzene	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR
Toluene	ND	NS	ND	ND	ND	ND	ND	ND	ND	trace	trace	<0.047	<0.13	<0.13	NR	NR	NR
Chlorobenzene	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR
Ethylbenzene	ND	NS	ND	ND	ND	ND	ND	ND	ND	trace	<0.08	<0.141	<0.14	<0.14	NR	NR	NR
Total Xylenes	NR	NS	ND	ND	ND	ND	ND	ND	ND	trace	<0.16	<0.236	<0.46	<0.46	NR	NR	NR
2-Hexanone	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR
Acetone	ND	NS	ND	ND	6	6	<2	<2.11	trace	trace	56	28	33	<18	NR	NR	NR
Naphthalene	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR
Carbon Disulfide	ND	NS	NR	NR	ND	ND	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Iodomethane	ND	NS	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
1,2,4-Trimethylbenzene	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR
1,3,5-Trimethylbenzene	ND	NS	ND	ND	ND	ND	ND	ND	ND	trace	<0.16	<0.066	<0.14	<0.14	NR	NR	NR
1,1-dichloroethene	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR
Styrene	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR
Trichloroethene	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR
1,2-Dichlorobenzene	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR
1,3-Dichlorobenzene	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR
1,4-Dichlorobenzene	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR
Isopropylbenzene	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR
n-Propylbenzene	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR
p-Isopropyltoluene	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR
m/p-Xylene	ND	NS	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR
o-Xylene	ND	NS	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR
Tetrachloroethene	<0.87	NS	<0.16	<0.16	<0.3	<0.3	<0.3	<0.1	<0.10	<0.04	<0.04	<0.062	<0.21	<0.21	NR	NR	NR
Bromobenzene	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR
sec-butylbenzene	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR
4-methyl-2-pentanone	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR
1,2,3-Trichlorobenzene	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR
Dichlorodifluoromethane	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR
Chloroethane	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR
Chloromethane	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR
Vinyl Chloride	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR
Carbon Tetrachloride	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR
1,2-Dichloroethane	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR
Methyl tert-butyl ether	NR	NR	NR	NR	ND	ND	ND	NR	NR	2.0	<0.226	<0.094	<0.41	<0.41	NR	NR	NR
2-Butanone	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	trace	<13	<13	NR	NR	NR
n-Butylbenzene	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR
Bromomethane	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR

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GROUNDWATER MONITORING HISTORICAL SUMMARY[1]
MONITORING PARAMETERS

Units: mg/l, unless noted

Sample Description	G-6A	G-6A	G-6A	G-6A	G-6A	G-6A	G-6A	G-6A	G-6A	G-6A	G-6A	G-6AR	G-6AR	G-6AR	G-6AR	G-6AR	G-6AR
Sampling Date	10/03/90	12/03/90	12/05/90	12/07/90	01/04/91	04/25/91	07/02/91	10/09/91	01/07/92	04/07/92	01/06/93	02/09/94	04/07/94	08/30/94	10/25/94	01/19/95	04/18/95
Volatile Organic Compounds (ug/l) (EPA Method 8260)																	
Trichlorotrifluoroethane	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	0.84	<0.5	<10	NR	NR	NR
Methylene Chloride	NR	NR	NR	NR	NR	ND	ND	ND	12	<10	<10	ND	ND	ND	ND	ND	ND
Chloroform	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-trichloroethane	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Xylenes	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	NR	ND	ND	ND	ND	ND	ND
2-Hexanone	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	NR	NR	ND	ND	ND	ND
Acetone	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	NR	NR	ND	ND	ND	ND
Naphthalene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND
Carbon Disulfide	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	NR	NR	ND	ND	ND	ND
Iodomethane	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR	ND	ND
1,2,4-Trimethylbenzene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND
1,3,5-Trimethylbenzene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND
1,1-dichloroethene	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	NR	NR	ND	ND	ND	ND
Trichloroethene	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND
n-Propylbenzene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND
p-Isopropyltoluene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
m/p-Xylene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
o-Xylene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Tetrachloroethene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Bromobenzene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
sec-butylbenzene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
4-methyl-2-pentanone	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
1,2,3-Trichlorobenzene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Dichlorodifluoromethane	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Chloroethane	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Chloromethane	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Vinyl Chloride	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Carbon Tetrachloride	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
1,2-Dichloroethane	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Methyl tert-butyl ether	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
2-Butanone	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
n-Butylbenzene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Bromomethane	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR

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AMERICAN CANYON SANITARY LANDFILL
GROUNDWATER MONITORING HISTORICAL SUMMARY[1]
MONITORING PARAMETERS

Units: mg/l, unless noted

Sample Description	G-6AR	G-6AR	G-6AR	G-6AR	G-6AR	G-6AR	G-6AR	G-6AR	G-6AR	G-6AR	G-6AR	G-6AR	G-6AR	G-6AR	G-6AR	G-6AR	G-6AR
Sampling Date	07/13/95	10/31/95	01/03/96	04/11/96	07/25/96	10/22/96	01/07/97	04/16/97	07/16/97	10/09/97	01/14/98	04/07/98	10/08/98	01/07/99	04/08/99	07/09/99	10/13/99
Volatile Organic Compounds (ug/l) (EPA Method 8260)																	
Trichlorotrifluoroethane	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NS	NR	NR	NR	NR
Methylene Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	trace	trace	<0.2	<0.2
Chloroform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	ND	ND	ND	ND
1,1,1-trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	ND	ND	ND	ND
Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	ND	ND	ND	ND
Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	ND	ND	ND	ND
Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	ND	ND	ND	ND
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	ND	ND	ND	ND
Total Xylenes	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR	NS	ND	ND	ND	ND
2-Hexanone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	ND	ND	ND	ND
Acetone	ND	ND	ND	ND	ND	ND	ND	ND	ND	6.4	<0.80	NS	NS	<5.75	10	9	<2
Naphthalene	ND	ND	ND	ND	ND	ND	ND	3.2	<1.4	<1.4	<1.4	NS	NS	<0.11	<0.3	trace	<0.3
Carbon Disulfide	ND	ND	ND	ND	ND	ND	ND	ND	ND	trace	<0.96	NS	NS	NR	<0.4	<0.4	<0.4
Iodomethane	ND	ND	ND	ND	NR	NR	NR	NR	ND	ND	ND	NS	NS	ND	ND	ND	ND
1,2,4-Trimethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	ND	ND	ND	ND
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	ND	ND	ND	ND
1,1-dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	ND	ND	ND	ND
Styrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	ND	ND	ND	ND
Trichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	ND	ND	ND	ND
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	ND	ND	ND	ND
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	ND	ND	ND	ND
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	ND	ND	ND	ND
Isopropylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	ND	ND	ND	ND
n-Propylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	ND	ND	ND	ND
p-Isopropyltoluene	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	NS	NS	ND	ND	ND	ND
m/p-Xylene	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	NS	NS	NR	NR	NR	NR
o-Xylene	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	NS	NS	NR	NR	NR	NR
Tetrachloroethene	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	NS	NS	ND	ND	ND	ND
Bromobenzene	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	NS	NS	ND	ND	ND	ND
sec-butylbenzene	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	NS	NS	ND	ND	ND	ND
4-methyl-2-pentanone	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	NS	NS	ND	ND	ND	ND
1,2,3-Trichlorobenzene	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	NS	NS	ND	ND	ND	ND
Dichlorodifluoromethane	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	NS	NS	ND	ND	ND	ND
Chloroethane	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	NS	NS	ND	ND	ND	ND
Chloromethane	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	NS	NS	ND	ND	ND	ND
Vinyl Chloride	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	NS	NS	ND	ND	ND	ND
Carbon Tetrachloride	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND
1,2-Dichloroethane	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND
Methyl tert-butyl ether	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND
2-Butanone	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND
n-Butylbenzene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND
Bromomethane	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND

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AMERICAN CANYON SANITARY LANDFILL
GROUNDWATER MONITORING HISTORICAL SUMMARY[1]
MONITORING PARAMETERS

Units: mg/l, unless noted

Sample Description	G-6AR	G-6AR	G-6AR	G-6AR	G-6AR	G-6AR	G-6AR	G-6AR	G-7	G-7	G-7	G-7	G-7	G-7	G-7	G-7	G-7
Sampling Date	01/06/00	05/09/00	05/09/00	11/10/00	01/25/01	04/19/01	07/26/01	10/24/01	01/09/90	04/23/90	07/05/90	10/03/90	12/07/90	01/04/91	04/25/91	07/02/91	10/08/91
Volatile Organic Compounds (ug/l) (EPA Method 8260)																	
Trichlorotrifluoroethane	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND
Methylene Chloride	<0.3	<2.36	trace	trace[3]	trace[3]	<0.392	<0.2	<0.2	NR	NR	NR	NR	NR	NR	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR	NR	ND	ND	ND
1,1,1-trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR	NR	ND	ND	ND
Benzene	ND	ND	ND	ND	ND	trace	<0.12	<0.12	NR	NR	NR	NR	NR	NR	ND	ND	ND
Toluene	ND	ND	ND	trace	trace	0.63	<0.13	<0.13	NR	NR	NR	NR	NR	NR	ND	ND	ND
Chlorobenzene	ND	ND	trace	<0.05	<0.05	<0.082	<0.14	<0.14	NR	NR	NR	NR	NR	NR	ND	ND	ND
Ethylbenzene	ND	ND	ND	trace	<0.08	trace	<0.14	<0.14	NR	NR	NR	NR	NR	NR	ND	ND	ND
Total Xylenes	NR	ND	ND	trace	<0.16	1	<0.46	<0.46	NR	NR	NR	NR	NR	NR	ND	ND	ND
2-Hexanone	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR	NR	ND	ND	ND
Acetone	trace	<2.11	trace	<4.28	100	<5.935	36	<18	NR	NR	NR	NR	NR	NR	ND	ND	ND
Naphthalene	<0.2	<0.4	<0.4	<0.52	<0.52	<0.094	<0.19	<0.19	NR	NR	NR	NR	NR	NR	NR	NR	NR
Carbon Disulfide	trace	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND
Iodomethane	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
1,2,4-Trimethylbenzene	ND	ND	ND	ND	ND	trace	<0.15	<0.15	NR	NR	NR	NR	NR	NR	NR	NR	NR
1,3,5-Trimethylbenzene	ND	ND	ND	trace	<0.16	<0.066	<0.14	<0.14	NR	NR	NR	NR	NR	NR	NR	NR	NR
1,1-dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR	NR	ND	ND	ND
Styrene	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR	NR	ND	ND	ND
Trichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR	NR	ND	ND	ND
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR	NR	ND	ND	ND
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR	NR	ND	ND	ND
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR	NR	ND	ND	ND
Isopropylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR
n-Propylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR
p-Isopropyltoluene	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR
m/p-Xylene	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
o-Xylene	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR
Bromobenzene	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR
sec-butylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR
4-methyl-2-pentanone	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR
1,2,3-Trichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR
Dichlorodifluoromethane	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR
Chloroethane	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR
Chloromethane	ND	ND	ND	5.8	<0.27	<0.158	<0.14	<0.14	NR	NR	NR	NR	NR	NR	NR	NR	NR
Vinyl Chloride	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR
Methyl tert-butyl ether	ND	NR	NR	2.2	<0.226	<0.094	<0.41	<0.41	NR	NR	NR	NR	NR	NR	NR	NR	NR
2-Butanone	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR
n-Butylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR
Bromomethane	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR

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GROUNDWATER MONITORING HISTORICAL SUMMARY[1]
MONITORING PARAMETERS

Units: mg/l, unless noted

Sample Description	G-7	G-7	G-7	G-7	G-7	G-7	G-7	G-7	G-7	G-7	G-7	G-7	G-7	G-7	G-7	G-7	G-7
Sampling Date	01/06/92	04/07/92	07/24/92	10/13/92	01/05/93	04/28/93	07/08/93	12/01/93	02/08/94	04/06/94	08/30/94	10/26/94	01/19/95	04/18/95	07/13/95	10/31/95	01/04/96
Volatile Organic Compounds (ug/l) (EPA Method 8260)																	
Trichlorotrifluoroethane	ND	ND	ND	ND	ND	ND	ND	ND	2.5	<3	<10	NR	NR	NR	NR	NR	NR
Methylene Chloride	11	<10	<10	<10	<10	<10	<10	<0.5	<1	<3	<10	<0.47	<0.47	<0.47	<0.2	<0.2	<0.2
Chloroform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	ND	ND	ND	2	<1	<1	<1	<0.5	<0.5	<3	<1	<0.36	<0.36	<0.36	<0.5	<0.5	<0.5
Toluene	ND	ND	ND	3	<1	<1	<1	<0.5	<0.5	<3	<1	<0.35	<0.35	<0.35	<0.3	<0.3	<0.3
Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Xylenes	ND	ND	ND	2	<1	<5	<5	<1	<1	<6	<1	<0.5	<1.4	<1.4	<0.4	<0.4	<0.4
2-Hexanone	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND
Acetone	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND
Naphthalene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND
Carbon Disulfide	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND
Iodomethane	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND
1,1-dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND
n-Propylbenzene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
m/p-Xylene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
o-Xylene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Tetrachloroethene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Bromobenzene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
sec-butylbenzene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
4-methyl-2-pentanone	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
1,2,3-Trichlorobenzene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Dichlorodifluoromethane	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Chloroethane	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Chloromethane	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Vinyl Chloride	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Carbon Tetrachloride	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
1,2-Dichloroethane	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Methyl tert-butyl ether	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
2-Butanone	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
n-Butylbenzene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Bromomethane	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR

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AMERICAN CANYON SANITARY LANDFILL
GROUNDWATER MONITORING HISTORICAL SUMMARY[1]
MONITORING PARAMETERS

Units: mg/l, unless noted

Sample Description	G-7	G-7	G-7	G-7	G-7	G-7	G-7	G-7	G-7	G-7	G-7	G-7	G-7	G-7	G-7	G-7	G-7
Sampling Date	04/11/96	07/24/96	10/21/96	01/06/97	04/16/97	07/17/97	10/09/97	01/13/98	03/04/98	04/08/98	07/07/98	10/06/98	01/07/99	04/07/99	07/08/99	10/06/98	01/07/99
Volatile Organic Compounds (ug/l)																	
(EPA Method 8260)																	
Trichlorotrifluoroethane	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Methylene Chloride	<0.2	<0.08	<0.08	<0.08	<0.08	<7.1	<7.1	<7.1	<0.2	<7.1	<0.08	<0.08	trace	<0.2	trace	<0.08	trace
Chloroform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	<0.5	<0.08	<0.08	<0.08	<0.08	<0.040	<1.0	<1.0	<0.5	<1.0	<0.08	<0.08	<0.08	<0.5	<0.5	<0.08	<0.08
Toluene	<0.3	<0.07	<0.07	<0.07	<0.07	<0.76	<0.70	<0.70	<0.3	<0.70	<0.07	<0.07	<0.07	<0.3	<0.3	<0.07	<0.07
Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Xylenes	<0.4	<0.13	<0.13	<0.13	<0.13	NR	NR	NR	<0.4	NR	<0.13	<0.13	<0.13	<0.4	<0.4	<0.13	<0.13
2-Hexanone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	5	6	ND	ND
Naphthalene	ND	ND	ND	4.3	<0.11	<1.4	<1.4	<1.4	<0.3	<1.4	<0.11	<0.11	<0.11	<0.3	<0.3	<0.11	<0.11
Carbon Disulfide	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Iodomethane	ND	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	ND	ND	ND	ND	ND	ND	ND	2.0	<0.1	<1.1	<0.06	<0.06	<0.06	<0.1	<0.1	<0.06	<0.06
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	ND	ND	4.9	<0.2	<1.2	<0.07	<0.07	<0.07	<0.2	<0.2	<0.07	<0.07
1,1-dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene	NR	ND	ND	ND	ND	ND	ND	ND	NR	ND	ND	ND	ND	ND	ND	ND	ND
m/p-Xylene	NR	NR	NR	NR	NR	ND	ND	trace	NR	<0.78	NR	NR	NR	NR	NR	NR	NR
o-Xylene	NR	NR	NR	NR	NR	ND	ND	ND	NR	ND	NR	NR	NR	NR	NR	NR	NR
Tetrachloroethene	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromobenzene	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
sec-butylbenzene	NR	ND	ND	ND	ND	ND	ND	2.0	<0.3	<1.5	<0.07	<0.07	<0.07	<0.3	<0.3	<0.07	<0.07
4-methyl-2-pentanone	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	NR	ND
1,2-Dichloroethane	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	NR	ND
Methyl tert-butyl ether	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	NR	ND
2-Butanone	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	NR	ND
n-Butylbenzene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	NR	ND
Bromomethane	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	NR	ND

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AMERICAN CANYON SANITARY LANDFILL
GROUNDWATER MONITORING HISTORICAL SUMMARY[1]
MONITORING PARAMETERS

Units: mg/l, unless noted

Sample Description	G-7	G-7	G-7	G-7	G-7	G-7	G-7	G-7	G-7	G-7	G-7	G-7	G-7	G-7	G-7	G-7	G-7
Sampling Date	04/07/99	07/08/99	10/13/99	01/06/00	05/10/00	07/13/00	11/07/00	01/23/01	04/19/01	07/26/01	10/23/01	02/08/02	04/03/02	07/10/02	10/09/02	01/08/03	04/08/03
Volatile Organic Compounds (ug/l) (EPA Method 8260)																	
Trichlorotrifluoroethane	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Methylene Chloride	<0.2	trace	<0.2	<0.3	<2.36	trace	<0.32	trace[3]	<0.392	<0.2	<0.2	8.3	<0.084	<0.14	<0.19	<0.95	13
Chloroform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	<0.5	<0.5	<0.5	<0.2	<0.07	<0.19	<0.19	<0.19	1.2	<0.12	<0.12	<0.059	<0.048	<0.15	<0.042	<0.059	<0.059
Toluene	<0.3	<0.3	<0.3	<0.2	<0.09	<0.08	<0.08	<0.08	2.4	<0.13	<0.13	<0.098	<0.085	<0.13	<0.058	<0.098	<0.098
Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	0.72	<0.14	<0.14	<0.12	<0.068	<0.083	<0.043	<0.12	<0.12
Total Xylenes	<0.4	<0.4	<0.4	NR	<0.13	<0.16	<0.16	<0.16	4.3	<0.46	<0.46	<0.35	<0.19	<0.30	<0.14	<0.35	<0.35
2-Hexanone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	5	6	<2	<8	<2.11	<4.28	<4.28	<4.28	<5.935	<18	49	<7	45	<4.0	trace	NR	NR
Naphthalene	<0.3	<0.3	<0.3	<0.2	<0.4	<0.52	trace	<0.52	trace	<0.19	<0.19	<0.13	<0.11	<0.068	<0.036	<0.13	<0.13
Carbon Disulfide	ND	ND	ND	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Iodomethane	ND	ND	ND	ND	NR	NR	NR	NR	NR	NR	NR	NR	<0.52	<0.28	<0.99	NR	NR
1,2,4-Trimethylbenzene	<0.1	<0.1	<0.1	<0.2	<0.13	<0.26	<0.26	<0.26	0.76	<0.15	<0.15	<0.19	<0.07	<0.097	<0.055	<0.19	<0.19
1,3,5-Trimethylbenzene	<0.2	<0.2	<0.2	<0.2	<0.13	<0.16	<0.16	<0.16	trace	<0.14	<0.14	<0.13	<0.062	<0.094	<0.038	<0.13	<0.13
1,1-dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
m/p-Xylene	NR	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND
o-Xylene	NR	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
sec-butylbenzene	<0.3	<0.3	<0.3	<0.2	<0.2	<0.10	<0.10	<0.10	<0.070	<0.15	<0.15	<0.23	<0.068	<0.096	<0.077	<0.23	<0.23
4-methyl-2-pentanone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl tert-butyl ether	ND	ND	ND	ND	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	ND	ND
n-Butylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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AMERICAN CANYON SANITARY LANDFILL
GROUNDWATER MONITORING HISTORICAL SUMMARY[1]
MONITORING PARAMETERS

Units: mg/l, unless noted

Sample Description	G-7	G-7	G-7	G-7	G-7	G-7	G-7	G-8	G-8	G-8	G-8	G-8	G-8	G-8	G-8	G-8	G-8
Sampling Date	07/08/03	10/08/03	01/07/04	04/13/04	07/13/04	10/05/04	01/11/05	01/09/90	04/24/90	07/06/90	10/03/90	12/07/90	01/03/91	04/25/91	06/24/91	06/24/91	07/02/91
Volatile Organic Compounds (ug/l) (EPA Method 8260)																	
Trichlorotrifluoroethane	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND
Methylene Chloride	<2.1	<0.12	<0.17	<0.17	<0.16	<0.16	<0.16	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND
1,1,1-trichloroethane	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND
Benzene	<0.25	<0.035	<0.06	<0.06	<0.13	<0.13	<0.13	NR	NR	NR	NR	NR	NR	1.9	2.2	<50 *	2.5
Toluene	<0.34	<0.042	<0.063	<0.063	<0.12	<0.12	<0.12	NR	NR	NR	NR	NR	NR	2.5	2.9	<50 *	30[2]
Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND
Ethylbenzene	<0.45	<0.03	<0.051	<0.051	<0.14	<0.14	<0.14	NR	NR	NR	NR	NR	NR	1.4	1.6	<50 *	1.8
Total Xylenes	<1.2	<0.14	<0.15	<0.15	<0.4	<0.4	<0.4	NR	NR	NR	NR	NR	NR	6.5	6.9	<50 *	8.1
2-Hexanone	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND
Acetone	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND
Naphthalene	<0.33	<0.13	<0.074	<0.074	<0.12	<0.12	<0.12	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Carbon Disulfide	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND
Iodomethane	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
1,2,4-Trimethylbenzene	<0.25	<0.062	<0.07	<0.07	<0.16	<0.16	<0.16	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
1,3,5-Trimethylbenzene	<0.27	<0.087	<0.059	<0.059	<0.13	<0.13	<0.13	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
1,1-dichloroethene	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND
Styrene	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND
Trichloroethene	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR	NR	NR	ND	NR	ND
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR	NR	NR	ND	NR	ND
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR	NR	NR	ND	NR	ND
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR	NR	NR	ND	NR	ND
Isopropylbenzene	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
n-Propylbenzene	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
p-Isopropyltoluene	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
m/p-Xylene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
o-Xylene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Bromobenzene	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
sec-butylbenzene	<0.32	<0.053	<0.079	<0.079	<0.12	<0.12	<0.12	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
4-methyl-2-pentanone	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
1,2,3-Trichlorobenzene	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Dichlorodifluoromethane	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Chloroethane	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Chloromethane	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Vinyl Chloride	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Methyl tert-butyl ether	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
2-Butanone	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
n-Butylbenzene	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Bromomethane	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR

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AMERICAN CANYON SANITARY LANDFILL
GROUNDWATER MONITORING HISTORICAL SUMMARY[1]
MONITORING PARAMETERS

Units: mg/l, unless noted

Sample Description	G-8	G-8	G-8	G-8	G-8	G-8	G-8	G-8	G-8	G-8	G-8	G-8	G-8	G-8	G-8	G-8	G-8
Sampling Date	10/09/91	01/07/92	04/07/92	07/24/92	10/26/92	01/06/93	04/28/93	07/09/93	11/30/93	02/09/94	04/07/94	08/30/94	10/25/94	01/18/95	04/17/95	07/13/95	10/31/95
Volatile Organic Compounds (ug/l) (EPA Method 8260)																	
Trichlorotrifluoroethane	ND	12	<10	<10	<10	<10	<10	<10	<2	2.3	<3	<10	NR	NR	NR	NR	NR
Methylene Chloride	ND	12	<10	<10	<10	<10	<10	<10	<4	<1	<3	<10	<0.47	<0.9	<0.94	<0.4	<0.4
Chloroform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	2	2	2	2	2	2	1	2	<10[2]	1.6	<3	2	2	2	trace	trace	trace
Toluene	3	3	2	1	2	1	<1	1	<2	1.0	<3	1	trace	1	trace	trace	<0.6
Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	2	2	1	<1	1	<1	<1	1	<2	1.1	<3	1	2	2	trace	trace	trace
Total Xylenes	8	6	8	6	7	6	<5	5	7	6.3	<6	6	6	8	trace	trace	trace
2-Hexanone	ND	ND	20	<10	<10	<10	<10	<10	NR	NR	NR	<10	<0.30	<7.0	<7.0	<1	<1
Acetone	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	ND	ND	ND	ND	ND	53
Naphthalene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	30	60	59	51	50
Carbon Disulfide	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	ND	ND	ND	ND	ND	ND
Iodomethane	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND
1,2,4-Trimethylbenzene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	trace	trace
1,3,5-Trimethylbenzene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND
1,1-dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	ND	ND	ND	ND	ND	ND
Trichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND
n-Propylbenzene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND
p-Isopropyltoluene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
m/p-Xylene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
o-Xylene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Tetrachloroethene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Bromobenzene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
sec-butylbenzene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
4-methyl-2-pentanone	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
1,2,3-Trichlorobenzene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Dichlorodifluoromethane	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Chloroethane	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Chloromethane	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Vinyl Chloride	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Carbon Tetrachloride	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
1,2-Dichloroethane	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Methyl tert-butyl ether	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
2-Butanone	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
n-Butylbenzene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Bromomethane	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR

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AMERICAN CANYON SANITARY LANDFILL
GROUNDWATER MONITORING HISTORICAL SUMMARY[1]
MONITORING PARAMETERS

Units: mg/l, unless noted

Sample Description	G-8	G-8	G-8	G-8	G-8	G-8	G-8	G-8	G-8	G-8	G-8	G-8	G-8	G-8	G-8	G-8	G-8
Sampling Date	01/02/96	04/10/96	07/25/96	10/21/96	01/06/97	04/15/97	07/15/97	10/08/97	01/12/98	03/04/98	04/07/98	07/07/98	10/07/98	01/06/99	04/07/99	07/07/99	10/13/99
Volatile Organic Compounds (ug/l) (EPA Method 8260)																	
Trichlorotrifluoroethane	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Methylene Chloride	<0.4	<2	<0.16**	<0.08	<0.08	<0.08	<7.1	<7.1	<7.1	NR	<7.1	trace	<0.08	trace	trace	trace	<0.2
Chloroform	ND	ND	ND	ND	0.57	<0.06	<0.83	<0.83	<0.83	NR	<0.83	<0.06	<0.06	0.06	<2	<2	<0.2
1,1,1-trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	ND	ND	ND	ND	ND	ND	ND
Benzene	trace	<5	1.6	2.2	2.4	2.1	<0.040	trace	<1.0	NR	trace	2.3	1.9	1.6	<5	<5	trace
Toluene	trace	<3	0.72	1.5	1.3	1.2	<0.70	trace	<0.70	NR	<0.70	1.4	0.92	0.79	<3	<3	trace
Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	trace	<1	1.2	1.9	1.9	1.8	<0.92	trace	<0.92	NR	trace	2	1.4	0.07	trace	trace	trace
Total Xylenes	trace	<4	6.0	8.6	9.5	8.9	NR	NR	NR	NR	NR	9.6	7.2	6.5	<4	trace	4
2-Hexanone	<1	<5	<6.64**	<3.32	<3.32	<3.32	<1.8	<1.8	<1.8	NR	<1.8	<3.32	<3.32	<3.32	<5	<5	<0.5
Acetone	<4	<20	<5.75	35	16	12	<0.80	<0.80	<0.80	NR	<0.80	22	14	16	91	<20	8
Naphthalene	65	<3	33	44	27	41	2.6	13	8.1	NR	30	46	35	27	trace	trace	26
Carbon Disulfide	ND	ND	ND	ND	ND	ND	ND	trace	<0.96	NR	<0.96	NR	NR	NR	<4	<4	<0.4
Iodomethane	ND	ND	NR	NR	NR	NR	ND	ND	ND	NR	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	trace	<1	0.76	1.2	1.1	1.1	<1.1	<1.1	<1.1	NR	trace	1.2	0.78	0.78	<1	<1	trace
1,3,5-Trimethylbenzene	trace	<2	<0.07	0.41	0.39	trace	<1.2	<1.2	<1.2	NR	<1.2	0.88	trace	trace	<2	<2	trace
1,1-dichloroethene	trace	<4	<0.22**	<0.11	<0.11	<0.11	<0.72	<0.72	<0.72	NR	<0.72	<0.11	<0.11	<0.11	<4	<4	<0.4
Styrene	ND	ND	ND	ND	0.48	<0.07	<0.80	<0.80	<0.80	NR	<0.80	<0.07	<0.07	<0.07	<1	<1	<0.1
Trichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	trace	<0.89	<0.89	<0.89	NR	<0.89	<0.11	<0.11	<0.11	<1	<1	<0.1
Isopropylbenzene	ND	ND	ND	0.21	0.14	trace	<1.2	<1.2	<1.2	NR	<1.2	<0.06	trace	trace	<3	<3	<0.3
n-Propylbenzene	ND	ND	ND	ND	0.13	trace	<0.95	<0.95	<0.95	NR	<0.95	trace	<0.07	<0.07	<2	<2	<0.2
p-Isopropyltoluene	NR	NR	ND	ND	0.13	trace	<1.2	<1.2	<1.2	NR	<1.2	trace	<0.06	<0.06	<2	<2	<0.2
m/p-Xylene	NR	NR	NR	NR	NR	NR	ND	trace	<0.78	NR	3.7	NR	NR	NR	NR	NR	NR
o-Xylene	NR	NR	NR	NR	NR	NR	ND	2.0	<0.84	NR	2.7	NR	NR	NR	NR	NR	NR
Tetrachloroethene	NR	NR	ND	ND	ND	ND	ND	ND	ND	NR	ND	ND	ND	ND	ND	ND	ND
Bromobenzene	NR	NR	ND	ND	ND	ND	ND	ND	ND	NR	ND	ND	ND	ND	ND	ND	ND
sec-butylbenzene	NR	NR	ND	ND	ND	ND	ND	ND	ND	NR	ND	ND	ND	ND	ND	ND	ND
4-methyl-2-pentanone	NR	NR	ND	ND	ND	ND	ND	ND	ND	NR	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND
Chloroethane	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND
Chloromethane	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND
Vinyl Chloride	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND
1,2-Dichloroethane	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND
Methyl tert-butyl ether	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND
2-Butanone	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND
n-Butylbenzene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND
Bromomethane	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND

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AMERICAN CANYON SANITARY LANDFILL
GROUNDWATER MONITORING HISTORICAL SUMMARY[1]
MONITORING PARAMETERS

Units: mg/l, unless noted

Sample Description	G-8	G-8	G-8	G-8	G-8	G-8	G-8	G-8	G-8	G-8	G-8	G-8	G-8	G-8	G-8	G-8	G-8
Sampling Date	01/05/00	05/09/00	07/13/00	11/07/00	01/23/01	04/17/01	07/25/01	10/23/01	01/10/02	04/03/02	07/09/02	10/10/02	01/08/03	04/09/03	07/08/03	10/08/03	01/08/04
Volatile Organic Compounds (ug/l)																	
(EPA Method 8260)																	
Trichlorotrifluoroethane	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Methylene Chloride	<0.3	<2.36	trace	<0.32	trace[3]	<0.392	<0.2	<0.2	<0.95	<0.084	<0.14	50	<0.95	43	17	<0.12	<0.17
Chloroform	<0.2	<0.07	<0.44	<0.44	<0.44	<0.164	<0.12	<0.12	<0.074	<0.096	<0.17	<0.051	<0.074	<0.074	<0.33	<0.048	<0.19
1,1,1-trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	trace	<0.07	2.2	1.5	1.0	2.2	1.9	1.9	trace	2.2	<0.15	trace	2.2	1.4	<0.25	1.2	1.7
Toluene	<0.2	<0.09	1.3	trace	trace	1.3	1	0.98	<0.098	1.1	<0.13	trace	1.1	<0.098	<0.34	0.073	0.91
Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	<0.084
Ethylbenzene	trace	<0.13	2.1	trace	trace	2.1	1.5	1.5	trace	1.4	trace	trace	1.6	1.3	<0.45	1.1	1.6
Total Xylenes	NR	<0.13	9.8	4.5	2.8	<0.263	7.8	7.7	7.6	8.5	trace	trace	7.5	6.3	3.6	6.1	<0.15
2-Hexanone	<6	<0.95	<2.33	<2.33	<2.33	<1.993	<7.8	<7.8	<7.1	<2.3	<2.9	<3.1	<7.1	<7.1	NR	NR	NR
Acetone	trace	<2.11	trace	trace	trace	trace	<18	<18	<7	trace	<4.0	trace	NR	NR	NR	NR	NR
Naphthalene	6.3	<0.4	48	21	18	55	32	51	36	37	0.97	trace	36	33	<0.33	38	45
Carbon Disulfide	trace	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Iodomethane	ND	NR	NR	NR	NR	NR	NR	NR	NR	<0.52	<0.28	<0.99	NR	NR	NR	NR	NR
1,2,4-Trimethylbenzene	<0.2	<0.13	trace	trace	trace	<0.078	0.76	0.81	<0.19	0.91	<0.097	<0.055	0.83	<0.19	<0.25	0.53	0.89
1,3,5-Trimethylbenzene	<0.2	<0.13	1.1	trace	trace	<0.066	trace	trace	<0.13	trace	<0.094	<0.038	<0.13	<0.13	<0.27	trace	trace
1,1-dichloroethene	<0.2	<0.1	<0.19	<0.19	<0.19	<0.095	<0.17	<0.17	<0.11	<0.1	<0.16	<0.087	<0.11	<0.11	<0.27	<0.054	<0.054
Styrene	<0.2	<0.06	<0.11	<0.11	<0.11	<0.047	<0.13	<0.13	<0.11	<0.057	<0.11	<0.049	<0.11	<0.11	<0.15	<0.068	<0.025
Trichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	<0.2	<0.1	<0.10	<0.10	<0.10	trace	<0.15	<0.15	<0.13	<0.068	<0.079	<0.050	<0.13	<0.13	<0.31	<0.069	trace
Isopropylbenzene	<0.2	<0.06	<0.20	<0.20	<0.20	trace	<0.15	<0.15	<0.14	<0.053	<0.097	<0.057	<0.14	<0.14	<0.32	<0.034	<0.16
n-Propylbenzene	<0.2	<0.11	<0.13	<0.13	<0.13	trace	<0.14	<0.14	<0.11	<0.054	<0.096	<0.069	<0.11	<0.11	<0.36	<0.034	trace
p-Isopropyltoluene	<0.2	<0.09	<0.09	<0.09	<0.09	trace	<0.16	<0.16	<0.15	<0.068	<0.094	<0.068	<0.15	<0.15	<0.28	<0.044	trace
m/p-Xylene	trace	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
o-Xylene	trace	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
sec-butylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-methyl-2-pentanone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR
1,2,3-Trichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl tert-butyl ether	ND	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	ND	ND	trace	<0.97	<0.97	<1.752	<13	<13	<5.4	NR	NR	NR	<5.4	<5.4	NR	NR	NR
n-Butylbenzene	ND	ND	ND	trace	trace	<0.119	<0.14	<0.14	<0.17	<0.087	<0.11	<0.041	<0.17	<0.17	<0.29	<0.059	<0.067
Bromomethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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AMERICAN CANYON SANITARY LANDFILL
GROUNDWATER MONITORING HISTORICAL SUMMARY[1]
MONITORING PARAMETERS

Units: mg/l, unless noted

Sample Description	G-8	G-8	G-8	G-8	G-9	G-9	G-9	G-9	G-9	G-9	G-9	G-9	G-9	G-9	G-9	G-9	G-9
Sampling Date	04/13/04	07/15/04	10/05/04	01/12/05	01/09/90	04/24/90	07/05/90	10/03/90	12/07/90	01/03/91	04/25/91	07/02/91	10/09/91	01/07/92	04/07/92	07/24/92	10/13/92
Volatile Organic Compounds (ug/l) (EPA Method 8260)																	
Trichlorotrifluoroethane	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	10	<10	<10	<10
Methylene Chloride	<0.17	trace	<0.19	<0.19	NR	NR	NR	NR	NR	NR	ND	ND	ND	11	<10	<10	<10
Chloroform	<0.19	<0.11	<0.11	<0.11	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND
1,1,1-trichloroethane	ND	ND	ND	ND	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND
Benzene	2	trace	trace	trace	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND
Toluene	1.1	trace	<0.063	<0.063	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	<0.084	<0.12	<0.12	<0.12	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	1.8	trace	trace	trace	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND
Total Xylenes	9.1	<0.4	trace	trace	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND
Acetone	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND
Naphthalene	49	<0.12	3.4	3.1	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Carbon Disulfide	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND
Iodomethane	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
1,2,4-Trimethylbenzene	0.94	trace	<0.07	<0.07	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
1,3,5-Trimethylbenzene	trace	trace	<0.059	<0.059	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
1,1-dichloroethene	<0.054	<0.15	<0.15	<0.15	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND
Styrene	<0.025	<0.14	<0.14	<0.14	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	ND	ND	ND	ND	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ND	ND	ND	ND	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	ND	ND	ND	ND	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	trace	<0.14	<0.14	<0.14	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	trace	<0.11	<0.11	<0.11	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
n-Propylbenzene	trace	<0.11	<0.11	<0.11	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
p-Isopropyltoluene	trace	<0.15	<0.15	<0.15	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
m/p-Xylene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
o-Xylene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Tetrachloroethene	ND	ND	ND	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Bromobenzene	ND	ND	ND	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
sec-butylbenzene	ND	ND	ND	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
4-methyl-2-pentanone	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
1,2,3-Trichlorobenzene	ND	ND	ND	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Dichlorodifluoromethane	ND	ND	ND	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Chloroethane	ND	ND	ND	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Chloromethane	ND	ND	ND	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Vinyl Chloride	ND	ND	ND	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Carbon Tetrachloride	ND	ND	ND	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
1,2-Dichloroethane	ND	ND	ND	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Methyl tert-butyl ether	ND	ND	ND	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
2-Butanone	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
n-Butylbenzene	<0.067	<0.13	<0.13	<0.13	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Bromomethane	ND	ND	ND	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR

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AMERICAN CANYON SANITARY LANDFILL
GROUNDWATER MONITORING HISTORICAL SUMMARY[1]
MONITORING PARAMETERS

Units: mg/l, unless noted

Sample Description	G-9	G-9	G-9	G-9	G-9	G-9	G-9	G-9	G-9	G-9	G-9	G-9	G-9	G-9	G-9	G-9	G-9
Sampling Date	01/05/93	04/28/93	07/09/93	11/30/93	02/09/94	04/07/94	08/30/94	10/25/94	01/19/95	04/18/95	07/13/95	10/31/95	01/03/96	04/11/96	07/25/96	10/22/96	01/07/97
Volatile Organic Compounds (ug/l)																	
(EPA Method 8260)																	
Trichlorotrifluoroethane	<10	<10	<10	<2	1.6	<3	<10	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Methylene Chloride	<10	<10	<10	<4	<1	<3	<10	<0.47	<0.47	<0.47	<0.2	<0.2	<0.2	<2	<0.08	<0.08	NR
Chloroform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR
1,1,1-trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR
Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR
Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR
Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR
Total Xylenes	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR
2-Hexanone	ND	ND	ND	ND	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR
Acetone	ND	ND	ND	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR
Naphthalene	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	trace	<0.3	<0.3	<3	<0.11	<0.11	NR
Carbon Disulfide	ND	ND	ND	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR
Iodomethane	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	NR	NR	NR
1,2,4-Trimethylbenzene	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR
1,3,5-Trimethylbenzene	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR
1,1-dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR
Styrene	ND	ND	ND	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR
Trichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.46	NR
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR
Isopropylbenzene	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR
n-Propylbenzene	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR
p-Isopropyltoluene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	NR
m/p-Xylene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
o-Xylene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Tetrachloroethene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	NR
Bromobenzene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	NR
sec-butylbenzene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	NR
4-methyl-2-pentanone	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	NR
1,2,3-Trichlorobenzene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Dichlorodifluoromethane	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Chloroethane	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Chloromethane	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Vinyl Chloride	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Carbon Tetrachloride	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
1,2-Dichloroethane	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Methyl tert-butyl ether	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
2-Butanone	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
n-Butylbenzene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Bromomethane	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR

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AMERICAN CANYON SANITARY LANDFILL
GROUNDWATER MONITORING HISTORICAL SUMMARY[1]
MONITORING PARAMETERS

Units: mg/l, unless noted

Sample Description	G-9	G-9	G-9	G-9	G-9	G-9	G-9	G-9	G-9	G-9	G-9	G-9	G-9	G-9	G-9	G-9	G-9
Sampling Date	04/16/97	07/17/97	10/08/97	01/13/98	04/07/98	10/07/98	01/06/99	04/07/99	07/08/99	10/13/99	01/05/00	05/09/00	07/13/00	11/10/00	01/25/01	04/17/01	10/24/01
Volatile Organic Compounds (ug/l) (EPA Method 8260)																	
Trichlorotrifluoroethane	NR	NR	NR	NR	NS	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Methylene Chloride	<0.08	<7.1	<7.1	<7.1	NS	trace	trace	<0.2	trace	<0.2	<0.3	<2.36	1.2	trace[3]	trace[3]	<0.392	<0.2
Chloroform	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-trichloroethane	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.5	<0.12
Toluene	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	trace	<0.08	7.9	<0.13
Chlorobenzene	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.8	<0.14
Total Xylenes	ND	NR	NR	NR	NS	ND	ND	ND	ND	ND	NR	ND	ND	trace	<0.16	14	<0.46
2-Hexanone	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	ND	ND	4.4	<0.80	NS	<5.75	<5.75	6	10	<2	<8	<2.11	<4.28	<4.28	<4.28	<5.935	<18
Naphthalene	<0.11	<1.4	<1.4	<1.4	NS	1	<0.11	<0.3	<0.3	<0.3	trace	<0.4	trace	<0.52	<0.52	2.5	<0.19
Carbon Disulfide	ND	ND	ND	ND	NS	ND	ND	ND	trace	<0.4	<0.2	NR	NR	NR	NR	NR	NR
Iodomethane	NR	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR	NR
1,2,4-Trimethylbenzene	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.5	<0.15
1,3,5-Trimethylbenzene	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	trace	<0.16	0.74	<0.14
1,1-dichloroethene	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	<0.09	<0.89	<0.89	<0.89	NS	<0.09	<0.09	<0.4	<0.4	<0.4	<0.3	<0.15	<0.29	<0.29	<0.29	<0.32	<0.095
1,2-Dichlorobenzene	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	trace	<0.15
n-Propylbenzene	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	trace	trace
p-Isopropyltoluene	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
m/p-Xylene	NR	ND	ND	ND	NS	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR	NR	NR
o-Xylene	NR	ND	ND	trace	NS	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR	NR	NR
Tetrachloroethene	ND	trace	<0.87	trace	NS	<0.16	<0.16	<0.3	<0.3	<0.3	<0.2	<0.1	<0.04	<0.04	<0.04	<0.064	<0.21
Bromobenzene	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
sec-butylbenzene	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-methyl-2-pentanone	ND	ND	ND	9.6	NS	<2.57	<2.57	<3	<3	<3	<7	<0.87	<1.51	<1.51	<1.51	<0.4	<7.1
1,2,3-Trichlorobenzene	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	trace	<0.27	<0.158	<0.14
Vinyl Chloride	ND	ND	ND	ND	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl tert-butyl ether	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	NR	NR	2.5	<0.226	<0.094	<0.41
2-Butanone	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Butylbenzene	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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AMERICAN CANYON SANITARY LANDFILL
GROUNDWATER MONITORING HISTORICAL SUMMARY[1]
MONITORING PARAMETERS

Units: mg/l, unless noted

Sample Description	G-10	G-10	G-10	G-10	G-10	G-10	G-10	G-10	G-10	G-10	G-10	G-10	G-10	G-10	G-10	G-10	G-10
Sampling Date	10/25/94	01/20/95	04/18/95	07/14/95	10/31/95	01/04/96	04/11/96	07/25/96	10/22/96	01/07/97	04/16/97	07/17/97	10/09/97	01/13/98	03/04/98	04/08/98	07/08/98
Volatile Organic Compounds (ug/l) (EPA Method 8260)																	
Trichlorotrifluoroethane	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Methylene Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	ND	ND
Chloroform	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.92	<0.06	<0.83	<0.83	<0.83	NR	<0.83	<0.06
1,1,1-trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	ND	ND
Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	ND	ND
Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	ND	ND
Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	ND	ND
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	ND	ND
Total Xylenes	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR	ND
2-Hexanone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	ND	ND
Acetone	7	5	<4.4	<2	26	<4	<20	<5.75	18	27	24	5.7	<0.80	<0.80	NR	<0.80	29
Naphthalene	ND	ND	ND	trace	<0.3	<0.6	<3	<0.11	0.27	<0.11	<0.11	<1.4	<1.4	<1.4	NR	<1.4	trace
Carbon Disulfide	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	ND	ND
Iodomethane	NR	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR	ND	ND	ND	NR	ND	ND
1,2,4-Trimethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	ND	ND
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	ND	ND
1,1-dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	ND	ND
Styrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.38	<0.07	<0.80	<0.80	<0.80	NR	<0.80	<0.07
Trichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	ND	ND
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	ND	ND
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	ND	ND
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	ND	ND
Isopropylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	ND	ND
n-Propylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	ND	ND
p-Isopropyltoluene	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	NR	ND	ND
m/p-Xylene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	NR	ND	NR
o-Xylene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	NR	ND	NR
Tetrachloroethene	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	NR	ND	ND
Bromobenzene	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	NR	ND	ND
sec-butylbenzene	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	NR	ND	ND
4-methyl-2-pentanone	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	NR	ND	ND
1,2,3-Trichlorobenzene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	trace
Dichlorodifluoromethane	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND
Chloroethane	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND
Chloromethane	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND
Vinyl Chloride	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND
Carbon Tetrachloride	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
1,2-Dichloroethane	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Methyl tert-butyl ether	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
2-Butanone	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
n-Butylbenzene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Bromomethane	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR

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AMERICAN CANYON SANITARY LANDFILL
GROUNDWATER MONITORING HISTORICAL SUMMARY[1]
MONITORING PARAMETERS

Units: mg/l, unless noted

Sample Description	G-10	G-10	G-10	G-10	G-10	G-10	G-10	G-10	G-10	G-10	G-10	G-10	G-10	G-10	G-10	G-10	G-10
Sampling Date	09/04/98	10/06/98	01/07/99	04/08/99	07/08/99	10/14/99	01/07/00	05/10/00	05/10/00	11/07/00	01/23/01	04/19/01	07/26/01	10/23/01	02/08/02	04/03/02	07/10/02
Volatile Organic Compounds (ug/l)																	
(EPA Method 8260)																	
Trichlorotrifluoroethane	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Methylene Chloride	ND	trace	<0.08	trace	trace	<0.2	<0.3	<2.36	trace	<0.32	trace[3]	<0.392	<0.2	<0.2	53	<0.084	<0.14
Chloroform	<0.06	<0.06	<0.06	<0.2	<0.2	<0.2	<0.2	<0.07	<0.44	<0.44	<0.44	<0.164	<0.12	<0.12	<0.074	<0.096	<0.17
1,1,1-trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Xylenes	ND	ND	ND	ND	ND	ND	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	<0.80	<0.80	<5.75	10	10	<2	<8	<2.11	trace	trace	trace	trace	29	<18	<7	11	<4.0
Naphthalene	<0.11	trace	<0.11	<0.3	<0.3	<0.3	<0.2	<0.4	<0.52	<0.52	<0.52	<0.094	3.4	<0.19	<0.13	<0.11	<0.068
Carbon Disulfide	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Iodomethane	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND
1,2,4-Trimethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	<0.07	<0.07	<0.07	<0.1	<0.1	<0.1	<0.2	<0.06	<0.11	<0.11	<0.11	<0.042	<0.13	<0.13	<0.11	<0.057	<0.11
Trichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
m/p-Xylene	NR	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
o-Xylene	NR	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
sec-butylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-methyl-2-pentanone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	<0.16	<0.16	<0.12	<0.1	<0.1	<0.1	<0.2	<0.21	<0.48	<0.48	<0.48	<0.044	<0.17	<0.17	<0.13	<0.098	<0.084
Dichlorodifluoromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	trace	<0.27	<0.158	<0.14	<0.14	<0.16	<0.12	<0.18
Vinyl Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl tert-butyl ether	NR	NR	ND	ND	ND	ND	ND	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR
n-Butylbenzene	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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AMERICAN CANYON SANITARY LANDFILL
GROUNDWATER MONITORING HISTORICAL SUMMARY[1]
MONITORING PARAMETERS

Units: mg/l, unless noted

Sample Description	G-10	G-10	G-10	G-10	G-10	G-10	G-10	G-10	G-10	G-10	G-2D	G-2D	G-2D	G-2D	G-2D	G-2D	G-2D
Sampling Date	10/09/02	01/08/03	04/08/03	07/08/03	10/08/03	01/07/04	04/13/04	07/13/04	10/05/04	01/11/05	01/20/95	04/18/95	07/14/95	11/01/95	01/04/96	04/10/96	07/25/96
Volatile Organic Compounds (ug/l) (EPA Method 8260)																	
Trichlorotrifluoroethane	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Methylene Chloride	25	<0.95	39	16	<0.12	<0.17	<0.17	<0.16	<0.16	<0.16	ND	ND	ND	ND	ND	ND	ND
Chloroform	<0.051	<0.074	<0.074	<0.33	<0.048	<0.19	<0.19	<0.11	<0.11	<0.11	ND	ND	ND	ND	ND	ND	ND
1,1,1-trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Xylenes	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	ND	ND	ND	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND
Acetone	trace	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND
Naphthalene	<0.036	2.5	<0.13	<0.33	0.68	<0.074	<0.074	<0.12	<0.12	<0.12	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND
Iodomethane	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	NR
1,2,4-Trimethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	<0.049	<0.11	<0.11	<0.15	<0.068	<0.025	<0.025	<0.14	<0.14	<0.14	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR	NR	ND
m/p-Xylene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
o-Xylene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR	NR	ND
Bromobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR	NR	ND
sec-butylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR	NR	ND
4-methyl-2-pentanone	ND	ND	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND
1,2,3-Trichlorobenzene	<0.079	<0.13	<0.13	<0.74	<0.15	<0.14	<0.14	<0.16	<0.16	<0.16	NR	NR	NR	NR	NR	NR	NR
Dichlorodifluoromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR	NR	NR
Chloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR	NR	NR
Chloromethane	<0.061	<0.16	<0.16	<0.55	<0.056	<0.04	<0.04	<0.13	<0.13	<0.13	NR	NR	NR	NR	NR	NR	NR
Vinyl Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR	NR	NR
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR	NR	NR
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR	NR	NR
Methyl tert-butyl ether	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR	NR	NR
2-Butanone	NR	ND	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
n-Butylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR	NR	NR
Bromomethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR	NR	NR

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AMERICAN CANYON SANITARY LANDFILL
GROUNDWATER MONITORING HISTORICAL SUMMARY[1]
MONITORING PARAMETERS

Units: mg/l, unless noted

Sample Description	G-2D	G-2D	G-2D	G-2D	G-2D	G-2D	G-2D	G-2D	G-2D	G-2D	G-2D	G-2D	G-2D	G-2D	G-2D	G-2D	G-2D
Sampling Date	10/22/96	01/06/97	04/16/97	07/17/97	10/09/97	01/13/98	04/08/98	07/08/98	10/07/98	01/06/99	02/16/99	04/07/99	07/07/99	10/13/99	01/07/00	05/10/00	05/10/00
Volatile Organic Compounds (ug/l) (EPA Method 8260)																	
Trichlorotrifluoroethane	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Methylene Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	trace	<0.80	<0.2	<0.2	<0.2	<0.3	<2.36	trace
Chloroform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	trace	<0.25	<0.5	<0.5	<0.5	<0.2	<0.07	trace
Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	trace
Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Xylenes	ND	ND	ND	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	NR	ND	ND
2-Hexanone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	6	<2	<2	<8	<2.11	trace
Naphthalene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	ND	ND	ND	ND	NR	NR
Iodomethane	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR
1,2,4-Trimethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
1,1-dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
m/p-Xylene	NR	NR	NR	ND	ND	ND	ND	NR	NR	NR	NR	NR	NR	NR	ND	NR	NR
o-Xylene	NR	NR	NR	ND	ND	ND	ND	NR	NR	NR	NR	NR	NR	NR	ND	NR	NR
Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
sec-butylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND
4-methyl-2-pentanone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	NR	NR	NR	NR	NR	NR	NR	ND	ND	trace	<0.38	<0.3	<0.3	<0.3	<0.2	<0.06	trace
Chloromethane	NR	NR	NR	NR	NR	NR	NR	ND	ND	1.9	<0.46	<0.3	<0.3	<0.3	<0.2	<0.34	<0.36
Vinyl Chloride	NR	NR	NR	NR	NR	NR	NR	ND	ND	trace	<4.5	<0.4	<0.4	<0.4	<0.3	<0.04	<0.27
Carbon Tetrachloride	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND
Methyl tert-butyl ether	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	NR	NR
2-Butanone	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND
n-Butylbenzene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND
Bromomethane	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND

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AMERICAN CANYON SANITARY LANDFILL
GROUNDWATER MONITORING HISTORICAL SUMMARY[1]
MONITORING PARAMETERS

Units: mg/l, unless noted

Sample Description	G-2D	G-2D	G-2D	G-2D	G-2D	G-2D	G-2D	G-2D	G-2D	G-2D	G-2D	G-2D	G-2DR	G-2DR	G-2DR	G-2DR	G-2DR
Sampling Date	11/07/00	01/23/01	04/19/01	07/26/01	10/23/01	02/08/02	04/03/02	07/09/02	10/09/02	02/08/02	04/08/03	07/08/03	10/08/03	01/07/04	04/13/04	07/13/04	10/05/04
Volatile Organic Compounds (ug/l)																	
(EPA Method 8260)																	
Trichlorotrifluoroethane	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Methylene Chloride	<0.32	trace[3]	<0.392	<0.2	<0.2	23	<0.084	<0.14	<0.19	<0.95	42	<2.1	<0.12	<0.17	<0.17	<0.16	<0.16
Chloroform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	<0.19	<0.19	trace	trace	<0.12	<0.059	<0.048	<0.15	<0.042	<0.059	<0.059	<0.25	<0.035	<0.06	<0.06	<0.13	<0.13
Toluene	<0.08	<0.08	trace	<0.13	<0.13	<0.098	<0.085	<0.13	<0.058	<0.098	<0.098	<0.34	trace	<0.063	<0.063	<0.12	<0.12
Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	trace	<0.051	<0.051	<0.14	<0.14
Total Xylenes	ND	ND	trace	<0.46	<0.46	<0.35	<0.19	<0.30	<0.14	<0.35	<0.35	<1.2	trace	<0.15	<0.15	<0.4	<0.4
2-Hexanone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR	NR
Acetone	<4.28	<4.28	<5.935	<18	<18	<7	<4.2	<4.0	<2.6	NR	NR	NR	NR	NR	NR	NR	NR
Naphthalene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Iodomethane	NR	NR	NR	NR	NR	NR	ND	ND	ND	NR	NR	NR	NR	NR	NR	NR	NR
1,2,4-Trimethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	trace	<0.07	<0.07	<0.16	<0.16
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	trace	<0.059	<0.059	<0.13	<0.13
1,1-dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	trace	<0.072	<0.072	<0.14	<0.14
Isopropylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
m/p-Xylene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
o-Xylene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
sec-butylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-methyl-2-pentanone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR	NR
1,2,3-Trichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	<0.36	<0.36	<0.053	<0.15	<0.15	<0.17	<0.087	<0.23	<0.038	<0.17	<0.17	<0.89	<0.11	<0.29	<0.29	<0.16	<0.16
Chloromethane	<0.27	<0.27	<0.158	<0.14	<0.14	<0.16	<0.12	<0.18	<0.061	<0.16	<0.16	<0.55	<0.056	<0.04	trace	<0.13	<0.13
Vinyl Chloride	<0.20	<0.20	<0.040	<0.16	<0.16	<0.22	<0.12	<0.14	<0.050	<0.22	<0.22	<0.54	<0.092	<0.057	<0.057	<0.13	<0.13
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl tert-butyl ether	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	trace	<0.076	<0.076	<0.15	<0.15
2-Butanone	ND	ND	ND	ND	ND	ND	NR	NR	NR	ND	ND	NR	NR	NR	NR	NR	NR
n-Butylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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AMERICAN CANYON SANITARY LANDFILL
GROUNDWATER MONITORING HISTORICAL SUMMARY[1]
MONITORING PARAMETERS

Units: mg/l, unless noted

Sample Description	G-2DR	GW-4	GW-4	GW-4	GW-4	GW-4	GW-4	GW-4	GW-4	GW-4	GW-4	GW-4	GW-4	GW-4	GW-4	GW-4	GW-4	GW-4
Sampling Date	01/11/05	10/26/94	01/20/95	04/18/95	07/13/95	10/31/95	01/04/96	04/11/96	07/25/96	10/22/96	01/07/97	04/16/97	07/16/97	10/09/97	01/13/98	04/08/98	07/08/98
Volatile Organic Compounds (ug/l) (EPA Method 8260)																		
Trichlorotrifluoroethane	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Methylene Chloride	<0.16	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	<0.13	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	<0.12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	<0.14	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Xylenes	<0.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR	ND	ND
2-Hexanone	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.63
Carbon Disulfide	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Iodomethane	NR	NR	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	<0.16	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	<0.13	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	<0.14	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene	ND	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
m/p-Xylene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	NR	NR
o-Xylene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	NR	NR
Tetrachloroethene	ND	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromobenzene	ND	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
sec-butylbenzene	ND	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-methyl-2-pentanone	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND
Dichlorodifluoromethane	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND
Chloroethane	<0.16	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND
Chloromethane	<0.13	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND
Vinyl Chloride	<0.13	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND
Carbon Tetrachloride	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
1,2-Dichloroethane	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Methyl tert-butyl ether	<0.15	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
2-Butanone	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
n-Butylbenzene	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Bromomethane	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR

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AMERICAN CANYON SANITARY LANDFILL
GROUNDWATER MONITORING HISTORICAL SUMMARY[1]
MONITORING PARAMETERS

Units: mg/l, unless noted

Sample Description	GW-4	GW-4	GW-4	GW-4	GW-4	GW-4	GW-4	GW-4	GW-4	GW-4	GW-4	GW-4	GW-4	GW-4	GW-4	GW-4	GW-4
Sampling Date	09/04/98	10/06/98	01/07/99	04/08/99	07/08/99	10/14/99	01/07/00	05/10/00	07/13/00	11/07/00	01/23/01	04/19/01	07/26/01	10/23/01	02/08/02	04/03/02	07/10/02
Volatile Organic Compounds (ug/l)																	
(EPA Method 8260)																	
Trichlorotrifluoroethane	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Methylene Chloride	0.12	trace	trace	trace	trace	<0.2	<0.3	<2.36	trace	<0.32	trace[3]	<0.392	<0.2	<0.2	<0.95	<0.084	<0.14
Chloroform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	trace	<0.12	<0.059	<0.048	<0.15
Toluene	ND	ND	ND	ND	ND	ND	ND	ND	trace	<0.08	<0.08	2.4	<0.13	<0.13	<0.098	<0.085	<0.13
Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Xylenes	ND	ND	ND	ND	ND	ND	NR	ND	2.6	<0.16	<0.16	4.0	<0.46	<0.46	<0.35	<0.19	<0.30
2-Hexanone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	ND	ND	ND	8	trace	<2	<8	<2.11	<4.28	<4.28	trace	<5.935	<18	<18	<7	<4.2	<4.0
Naphthalene	<0.11	<0.11	<0.11	<0.3	<0.3	<0.3	<0.2	<0.4	<0.4	<0.52	trace	<0.094	<0.19	<0.19	<0.13	<0.11	<0.068
Carbon Disulfide	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Iodomethane	DN	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND
1,2,4-Trimethylbenzene	DN	ND	ND	ND	ND	ND	ND	ND	trace	<0.26	<0.26	0.74	<0.15	<0.15	<0.19	<0.07	<0.097
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	trace	<0.16	<0.16	trace	<0.14	<0.14	<0.13	<0.062	<0.094
1,1-dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
m/p-Xylene	NR	NR	NR	NR	NR	NR	<0.4	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
o-Xylene	NR	NR	NR	NR	NR	NR	<0.2	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
sec-butylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-methyl-2-pentanone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl tert-butyl ether	NR	NR	ND	ND	ND	ND	ND	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR
n-Butylbenzene	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	trace	<0.16	<0.17	<0.088

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AMERICAN CANYON SANITARY LANDFILL
GROUNDWATER MONITORING HISTORICAL SUMMARY[1]
MONITORING PARAMETERS

Units: mg/l, unless noted

Sample Description	GW-4	GW-4	GW-4	GW-4	GW-4	GW-4	GW-4	GW-4	GW-4	GW-4	GW-6	GW-6	GW-6	GW-6	GW-6	GW-6	GW-6
Sampling Date	10/09/02	01/08/03	04/08/03	07/08/03	10/08/03	01/07/04	04/13/04	07/13/04	10/05/04	01/11/05	10/26/94	01/19/95	04/18/95	07/12/95	10/31/95	01/03/96	04/11/96
Volatile Organic Compounds (ug/l) (EPA Method 8260)																	
Trichlorotrifluoroethane	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Methylene Chloride	<0.19	<0.95	39	<2.1	<0.12	<0.17	<0.17	<0.16	<0.16	<0.16	ND	ND	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	trace	<0.059	<0.059	trace	<0.035	<0.06	<0.06	<0.13	<0.13	<0.13	ND	ND	ND	ND	ND	ND	ND
Toluene	<0.058	<0.098	<0.098	<0.34	<0.042	<0.063	<0.063	<0.12	<0.12	<0.12	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Xylenes	<0.14	<0.35	<0.35	trace	<0.14	<0.15	<0.15	<0.4	<0.4	<0.4	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	ND	ND	ND	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND
Acetone	<2.6	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND
Naphthalene	<0.036	<0.13	<0.13	<0.33	<0.13	<0.074	<0.074	<0.12	<0.12	<0.12	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND
Iodomethane	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	<0.055	<0.19	<0.19	<0.25	<0.062	<0.07	<0.07	<0.16	<0.16	<0.16	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	<0.038	<0.13	<0.13	<0.27	<0.087	<0.059	<0.059	<0.13	<0.13	<0.13	ND	ND	ND	ND	ND	ND	ND
1,1-dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR	NR	NR
m/p-Xylene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
o-Xylene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR	NR	NR
Bromobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR	NR	NR
sec-butylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR	NR	NR
4-methyl-2-pentanone	ND	ND	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
1,2,3-Trichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR	NR	NR
Dichlorodifluoromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR	NR	NR
Chloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR	NR	NR
Chloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR	NR	NR
Vinyl Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR	NR	NR
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR	NR	NR
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR	NR	NR
Methyl tert-butyl ether	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR	NR	NR
2-Butanone	NR	ND	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
n-Butylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR	NR	NR
Bromomethane	<0.028	<0.16	<0.16	<0.80	<0.37	<0.13	<0.36	<0.12	<0.12	<0.12	NR	NR	NR	NR	NR	NR	NR

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[2] This analytical result appears to be anomalous and therefore was not used in statistical evaluation procedures.
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AMERICAN CANYON SANITARY LANDFILL
GROUNDWATER MONITORING HISTORICAL SUMMARY[1]
MONITORING PARAMETERS

Units: mg/l, unless noted

Sample Description	GW-6	GW-6	GW-6	GW-6	GW-6	GW-6	GW-6	GW-6	GW-6	GW-6	GW-6	GW-6	GW-6	GW-6	GW-6	GW-6	GW-6
Sampling Date	07/23/96	10/21/96	01/07/97	04/15/97	07/17/97	10/08/97	01/12/98	04/08/98	07/08/98	09/04/98	10/08/98	01/03/96	04/11/96	07/23/96	10/21/96	01/07/97	04/15/97
Volatile Organic Compounds (ug/l) (EPA Method 8260)																	
Trichlorotrifluoroethane	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Methylene Chloride	ND	ND	ND	ND	2.7	<7.1	<7.1	<7.1	0.13	<0.08	trace	ND	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Total Xylenes	ND	ND	ND	ND	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Disulfide	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Iodomethane	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR
1,2,4-Trimethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	ND	ND	ND	ND
m/p-Xylene	NR	NR	NR	NR	ND	ND	2.0	<0.78	NR	NR	NR	NR	NR	NR	NR	NR	NR
o-Xylene	NR	NR	NR	NR	ND	ND	2.0	<0.84	NR	NR	NR	NR	NR	NR	NR	NR	NR
Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	ND	ND	ND	ND
Bromobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	ND	ND	ND	ND
sec-butylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	ND	ND	ND	ND
4-methyl-2-pentanone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	ND	ND	ND	ND
1,2,3-Trichlorobenzene	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	NR	NR	NR	NR	NR	NR
Dichlorodifluoromethane	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	NR	NR	NR	NR	NR	NR
Chloroethane	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	NR	NR	NR	NR	NR	NR
Chloromethane	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	NR	NR	NR	NR	NR	NR
Vinyl Chloride	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	NR	NR	NR	NR	NR	NR
Carbon Tetrachloride	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
1,2-Dichloroethane	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Methyl tert-butyl ether	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
2-Butanone	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
n-Butylbenzene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Bromomethane	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR

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AMERICAN CANYON SANITARY LANDFILL
GROUNDWATER MONITORING HISTORICAL SUMMARY[1]
MONITORING PARAMETERS

Units: mg/l, unless noted

Sample Description	GW-6	GW-6	GW-6	GW-6	GW-6	GW-6	GW-6	GW-6	GW-6	GW-6	GW-6	GW-6	GW-6	GW-6	GW-6	GW-6	GW-6
Sampling Date	07/17/97	10/08/97	01/12/98	04/08/98	07/08/98	09/04/98	10/08/98	01/05/99	04/06/99	07/07/99	10/13/99	01/05/00	05/09/00	07/13/00	11/07/00	01/24/01	04/17/01
Volatile Organic Compounds (ug/l) (EPA Method 8260)																	
Trichlorotrifluoroethane	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Methylene Chloride	2.7	<7.1	<7.1	<7.1	0.13	<0.08	trace	trace	<0.2	<0.2	<0.2	<0.3	<2.36	trace	<0.32	trace[3]	<0.392
Chloroform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	trace	<0.19	<0.19	1.6
Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.5	<0.08	trace	3.1
Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	trace	<0.08	<0.08	1.0
Total Xylenes	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	NR	ND	4.2	<0.16	<0.16	4.3
2-Hexanone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	ND	ND	ND	ND	ND	ND	ND	ND	5	trace	<2	<8	<2.11	<4.28	<4.28	<4.28	<5.935
Naphthalene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	trace
Carbon Disulfide	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR
Iodomethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR
1,2,4-Trimethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	trace	<0.26	<0.26	0.59
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	trace	<0.16	<0.16	trace
1,1-dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	trace
p-Isopropyltoluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
m/p-Xylene	ND	ND	2.0	<0.78	NR	NR	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR	NR
o-Xylene	ND	ND	2.0	<0.84	NR	NR	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR	NR
Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
sec-butylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-methyl-2-pentanone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl tert-butyl ether	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	NR	NR	ND	ND	ND
2-Butanone	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Butylbenzene	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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AMERICAN CANYON SANITARY LANDFILL
GROUNDWATER MONITORING HISTORICAL SUMMARY[1]
MONITORING PARAMETERS

Units: mg/l, unless noted

Sample Description	GW-6	GW-6	GW-6	GW-6	GW-6	GW-6	GW-6	GW-6	GW-6	GW-6	GW-6	GW-6	GW-6	GW-6	GW-6
Sampling Date	07/25/01	10/23/01	01/10/02	04/02/02	07/09/02	10/09/02	01/07/03	04/08/03	07/08/03	10/07/03	01/07/04	04/13/04	07/13/04	10/05/04	01/11/05
Volatile Organic Compounds (ug/l)															
(EPA Method 8260)															
Trichlorotrifluoroethane	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Methylene Chloride	<0.2	<0.2	<0.95	<0.084	<0.14	<0.19	<0.95	36	<2.1	<0.12	<0.17	<0.17	<0.16	<0.16	<0.16
Chloroform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-trichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	<0.12	<0.12	<0.059	<0.048	<0.15	<0.042	trace	<0.059	trace	<0.035	<0.06	<0.06	<0.13	<0.13	<0.13
Toluene	<0.13	<0.13	<0.098	trace	<0.13	<0.058	<0.098	<0.098	<0.34	<0.042	<0.063	<0.063	<0.12	<0.12	<0.12
Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	<0.14	<0.14	<0.12	<0.068	<0.083	<0.043	<0.12	<0.12	<0.45	<0.049	<0.051	<0.051	<0.14	<0.14	<0.14
Total Xylenes	<0.46	<0.46	<0.35	<0.19	<0.30	<0.14	<0.35	<0.35	trace	<0.03	<0.15	<0.15	<0.4	<0.4	<0.4
2-Hexanone	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR	NR	NR
Acetone	<18	<18	<7	<4.2	<4.0	trace	NR	NR	NR	NR	NR	NR	NR	NR	NR
Naphthalene	<0.19	<0.19	<0.13	<0.11	<0.068	<0.036	<0.13	<0.13	<0.33	<0.13	<0.074	<0.074	<0.12	<0.12	<0.12
Carbon Disulfide	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Iodomethane	NR	NR	NR	ND	ND	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR
1,2,4-Trimethylbenzene	<0.15	<0.15	<0.19	<0.07	<0.097	<0.055	<0.19	<0.19	<0.25	<0.062	<0.07	<0.07	<0.16	<0.16	<0.16
1,3,5-Trimethylbenzene	<0.14	<0.14	<0.13	<0.062	<0.094	<0.038	<0.13	<0.13	<0.27	<0.087	<0.059	<0.059	<0.13	<0.13	<0.13
1,1-dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Propylbenzene	<0.14	<0.14	<0.11	<0.054	<0.096	<0.069	<0.11	<0.11	<0.36	<0.034	<0.067	<0.067	<0.11	<0.11	<0.11
p-Isopropyltoluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
m/p-Xylene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
o-Xylene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
sec-butylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-methyl-2-pentanone	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR	NR	NR
1,2,3-Trichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl Chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl tert-butyl ether	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	ND	ND	ND	NR	NR	NR	ND	ND	NR	NR	NR	NR	NR	NR	NR
n-Butylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

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AMERICAN CANYON SANITARY LANDFILL
GROUNDWATER MONITORING HISTORICAL SUMMARY[1]
MONITORING PARAMETERS

Units: mg/l, unless noted

Sample Description	G-1	G-1	G-1	G-1	G-1	G-1	G-1	G-1	G-1	G-1	G-1	G-1	G-1	G-1	G-1	G-1	G-1
Sampling Date	01/09/90	04/23/90	07/06/90	10/03/90	12/07/90	01/05/91	04/25/91	06/25/91	06/25/91	01/07/92	04/07/92	07/24/92	10/13/92	10/23/92	01/05/93	04/28/93	07/09/93
Semivolatile Organic Compounds (ug/l)																	
(EPA Method 8270)																	
4-Chloroaniline	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	NR	NR	NR	ND	ND
Acenaphthylene	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	NR	ND	ND	ND
Butylbenzylphthalate	NR	NR	NR	NR	NR	NR	8	<5	<5	<5	<5	<5	<5	NR	<5	<10	<5
N-Nitrosodiphenylamine	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
2,6-Dinitrotoluene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
2-Chloronaphthalene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Phenanthrene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Di-n-butylphthalate	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
bis(2-ethylhexyl) phthalate	NR	NR	NR	NR	NR	NR	6	7	<5	6	<5	12	15	NR	5	<10	<5
2,4-dimethylphenol	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	NR	ND	ND	ND
Naphthalene	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	NR	ND	ND	ND
2-methylnaphthalene	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	NR	NR	NR	ND	ND
Acenaphthene	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	NR	ND	ND	ND
Dibenzofuran	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Fluorene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Anthracene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Fluoranthene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Pyrene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Benzoic Acid	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Diethyl phthalate	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
2-Methyl phenol	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
3,4-Methyl phenol	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Metals																	
Arsenic, Dissolved	NR	NR	NR	NR	NR	NR	<0.005	NR	NR	<0.005	<0.005	0.009	NR	<0.005	<0.01	<0.01	<0.01
Cadmium, Dissolved	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Chromium, Total Dissolved	NR	NR	NR	NR	NR	NR	<0.005	NR	NR	<0.005	<0.01	<0.01	NR	<0.01	<0.015	<0.005	<0.005
Copper, Dissolved	NR	NR	NR	NR	NR	NR	<0.01	NR	NR	<0.010	<0.01	<0.01	NR	<0.01	<0.01	<0.01	<0.01
Lead, Dissolved	NR	NR	NR	NR	NR	NR	<0.004	NR	NR	<0.010	<0.002	0.004	NR	<0.002	<0.004	0.005	<0.002
Nickel, Dissolved	NR	NR	NR	NR	0.005	NR	<0.02	NR	NR	<0.020	<0.02	<0.02	NR	<0.02	<0.02	<0.02	<0.02
Inorganic Parameters																	
Total Dissolved Solids	33,000	35,000	34,000	40,000	NR	36,000	32,000	NR	NR	NR	33,000	35,000	NR	36,000	35,000	33,000	31,000
pH (std. units) (field)	7.14	7.07	6.42	6.75	NR	6.90	7.35	6.84	NR	NR	7.15	6.98	6.62	6.83	6.94	7.05	6.84
Electrical Conductivity (umhos/cm) (field) [4]	>20,000	>20,000	18,580	19,470	NR	>20,000	>20,000	>20,000	NR	>20,000	>20,000	13,680	14,550	12,280	>20,000	>20,000	>20,000
Turbidity (NTU)(field)	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR

[1] Only data from 1990 to present is presented here; however pre-1990 data is available upon request.
[2] This analytical result appears to be anomalous and therefore was not used in statistical evaluation procedures.
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AMERICAN CANYON SANITARY LANDFILL
GROUNDWATER MONITORING HISTORICAL SUMMARY[1]
MONITORING PARAMETERS

Units: mg/l, unless noted

Sample Description	G-1	G-1	G-1	G-1	G-1	G-1	G-1	G-1	G-1	G-1	G-1	G-1	G-1	G-1	G-1	G-1	G-1
Sampling Date	12/01/93	02/09/94	04/07/94	08/30/94	10/25/94	01/18/95	04/18/95	07/13/95	11/01/95	01/03/96	04/11/96	07/24/96	10/22/96	01/07/97	04/16/97	07/16/97	10/09/97
Semivolatile Organic Compounds (ug/l)																	
(EPA Method 8270)																	
4-Chloroaniline	ND	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Acenaphthylene	ND	ND	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Butylbenzylphthalate	<2	<7	NR	<10	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
N-Nitrosodiphenylamine	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
2,6-Dinitrotoluene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
2-Chloronaphthalene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Phenanthrene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Di-n-butylphthalate	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
bis(2-ethylhexyl) phthalate	3.9	9.0	NR	13	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
2,4-dimethylphenol	ND	ND	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Naphthalene	ND	ND	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
2-methylnaphthalene	ND	ND	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Acenaphthene	ND	ND	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Dibenzofuran	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Fluorene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Anthracene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Fluoranthene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Pyrene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Benzoic Acid	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Diethyl phthalate	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
2-Methyl phenol	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
3,4-Methyl phenol	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Metals																	
Arsenic, Dissolved	0.014	0.01	0.011	0.008	0.01	0.016	0.011	trace	0.006	0.011	NR	0.022	0.024	0.01	0.015	0.024	0.018
Cadmium, Dissolved	NR	NR	NR	NR	0.004	trace	<0.003	<0.005	NR	<0.003	NR	NR	NR	NR	NR	trace	<0.00012
Chromium, Total Dissolved	<0.01	<0.01	<0.01	<0.01	<0.002	<0.003	<0.01	<0.01	<0.01	<0.01	NR	<0.018**	<0.009	<0.018**	<0.0405**	trace	trace
Copper, Dissolved	<0.01	<0.01	<0.01	<0.01	<0.004	<0.004	<0.002	<0.001	NR	<0.01	NR	NR	NR	NR	NR	trace	<0.00065
Lead, Dissolved	<0.005	0.015	<0.005	<0.002	<0.001	<0.001	0.034	<0.001	NR	0.003	NR	NR	NR	NR	NR	<0.00075	<0.0020
Nickel, Dissolved	<0.05	<0.05	<0.05	<0.02	<0.007	<0.013	<0.011	<0.03	NR	<0.02	NR	NR	NR	NR	NR	<0.0016	trace
Inorganic Parameters																	
Total Dissolved Solids	33,500	35,000	34,200	35,000	NR	NR	37,000	27,000	30,000	36,000	NR	NR	NR	NR	NR	31,900	32,200
pH (std. units) (field)	7.12	7.00	7.40	7.33	6.98	6.79	6.91	7.01	6.81	6.59	6.74	7.01	6.53	6.92	6.96	7.66	7.12
Electrical Conductivity (umhos/cm) (field) [4]	>20,000	>20,000	18,740	17,930	>20,000	>20,000	>20,000	>20,000	>20,000	>20,000	>20,000	19,900	>20,000	12,440	>20,000	>20,000	>20,000
Turbidity (NTU)(field)	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	53.5	>200

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AMERICAN CANYON SANITARY LANDFILL
GROUNDWATER MONITORING HISTORICAL SUMMARY[1]
MONITORING PARAMETERS

Units: mg/l, unless noted

Sample Description	G-1	G-1	G-1	G-1	G-1	G-1	G-1	G-1	G-1	G-1	G-1	G-1	G-1	G-1	G-1	G-1	G-1
Sampling Date	01/13/98	03/04/98	04/08/98	07/09/98	10/08/98	01/06/99	02/17/99	04/07/99	07/08/99	10/13/99	01/06/00	05/09/00	07/13/00	11/10/00	01/25/01	04/17/01	07/26/01
Semivolatile Organic Compounds (ug/l)																	
(EPA Method 8270)																	
4-Chloroaniline	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND
Acenaphthylene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND
Butylbenzylphthalate	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND
N-Nitrosodiphenylamine	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND
2,6-Dinitrotoluene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND
2-Chloronaphthalene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND
Phenanthrene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND
Di-n-butylphthalate	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND
bis(2-ethylhexyl) phthalate	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	trace
2,4-dimethylphenol	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND
Naphthalene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND
2-methylnaphthalene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.31
Acenaphthene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND
Dibenzofuran	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND
Fluorene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND
Anthracene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND
Fluoranthene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND
Pyrene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND
Benzoic Acid	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	trace
Diethyl phthalate	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND
2-Methyl phenol	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND
3,4-Methyl phenol	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND
Metals																	
Arsenic, Dissolved	trace	0.029	0.018	0.028	0.028	<0.014	NR	<0.06	<0.06	<0.05	<0.05	<0.032	0.024	0.046	trace	<0.02	0.03
Cadmium, Dissolved	trace	NR	<0.00086	trace	<0.028**	<0.028	NR	<0.01	<0.003	<0.003	<0.003	<0.00542	<0.00542	<0.00542	<0.00542	<0.2	<0.04
Chromium, Total Dissolved	0.012	NR	trace	0.004	<0.025**	<0.022	NR	trace	<0.004	<0.004	<0.004	<0.00599	<0.00599	<0.00599	<0.00599	<0.2	0.1
Copper, Dissolved	0.032	NR	trace	<0.098**	<0.098**	<0.098	NR	<0.002	<0.002	trace	<0.002	<0.00446	<0.00446	trace	trace	<0.2	<0.2
Lead, Dissolved	<0.00075	NR	<0.0020	trace	<0.0014**	<0.0066	NR	<0.04	<0.04	<0.04	<0.05	<0.00164	<0.00164	<0.00164	<0.00164	<0.008	trace
Nickel, Dissolved	trace	NR	<0.0033	<0.011**	<0.022**	<0.022	NR	<0.02	<0.02	<0.02	trace	<0.00455	<0.00455	<0.00455	<0.00455	<0.2	trace
Inorganic Parameters																	
Total Dissolved Solids	32,300	NR	31,800	32,600	33,700	31,600	NR	31,000	31,000	32,000	160,000	28,000	36,000	34,000	28,000	32,300	31,900
pH (std. units) (field)	6.93	7.18	7.05	6.93	6.93	6.87	7.25	7.01	9.43	6.39	7.25	7.20	6.78	7.98	6.77	7.21	7.21
Electrical Conductivity (umhos/cm) (field) [4]	>20,000	>20,000	>20,000	40,500	46,750	32,970	45,120	46,610	44,890	46,160	45,610	37,730	44,900	16,240	18,700	49,960	49,960
Turbidity (NTU)(field)	>200	NR	NR	>200	79.6	38.4	NR	34.3	42.6	8.77	142.4	87.7	NR	31.6	148.6	6.28	3.33

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AMERICAN CANYON SANITARY LANDFILL
GROUNDWATER MONITORING HISTORICAL SUMMARY[1]
MONITORING PARAMETERS

Units: mg/l, unless noted

Sample Description	G-1	G-1	G-1	G-1	G-1	G-1	G-1	G-1	G-1	G-1	G-1	G-1	G-1	G-1	G-2	G-2	G-2
Sampling Date	10/23/01	01/11/02	04/03/02	07/10/02	10/10/02	01/08/03	04/09/03	07/08/03	10/08/03	01/08/04	04/13/04	07/13/04	10/05/04	01/12/05	04/23/90	07/06/90	12/07/90
Semivolatile Organic Compounds (ug/l) (EPA Method 8270)																	
4-Chloroaniline	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Acenaphthylene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Butylbenzylphthalate	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
N-Nitrosodiphenylamine	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
2,6-Dinitrotoluene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
2-Chloronaphthalene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Phenanthrene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Di-n-butylphthalate	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
bis(2-ethylhexyl) phthalate	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
2,4-dimethylphenol	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Naphthalene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
2-methylnaphthalene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Acenaphthene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Dibenzofuran	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Fluorene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Anthracene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Fluoranthene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Pyrene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Benzoic Acid	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Diethyl phthalate	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
2-Methyl phenol	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
3,4-Methyl phenol	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Metals																	
Arsenic, Dissolved	0.0086	0.02	0.057	0.14	0.1	0.084	0.12	0.1	0.073	0.045	0.1	0.11	0.056	0.13	NR	NR	NR
Cadmium, Dissolved	<0.2	<0.07	<0.08	<0.04	<0.08	<0.08	trace	<0.0006	<0.019	<0.006	<0.0095	<0.003	0.03	<0.027	NR	NR	NR
Chromium, Total Dissolved	<0.2	<0.07	<0.07	<0.04	<0.07	<0.07	trace	0.026	trace	trace	trace	trace	<0.014	0.012	NR	NR	NR
Copper, Dissolved	<0.2	<0.05	<0.1	<0.05	0.082	0.17	0.16	trace	trace	trace	<0.0063	trace	<0.016	<0.0041	NR	NR	NR
Lead, Dissolved	<0.00055	<0.002	<0.0025	trace	<0.00049	trace	trace	trace	trace	trace	trace	trace	<0.00014	<0.00027	NR	NR	NR
Nickel, Dissolved	<0.2	<0.05	<0.09	<0.05	<0.09	<0.09	<0.09	<0.00095	<0.0072	<0.0095	<0.0036	<0.011	<0.005	0.018	NR	NR	0.045
Inorganic Parameters																	
Total Dissolved Solids	33,100	32,500	33,600	34,000	33,200	34,700	21,200	36,400	33,400	32,000	29,500	31,300	21,800	26,800	13,000	16,000	NR
pH (std. units) (field)	6.10	6.77	6.78	6.48	6.87	7.74	7.81	6.88	7.02	6.84	7.39	7.08	7.39	6.61	6.06	6.78	NR
Electrical Conductivity (umhos/cm) (field) [4]	37,900	34,100	>20,000	29,700	31,900	36,430	5,140	44,410	48,960	47,960	44,974	45,110	29,780	45,990	18,400	11,700	NR
Turbidity (NTU)(field)	31.5	NR	34.7	41.7	37.8	119.7	19.2	25.7	16.4	60.4	88.7	10.91	79.6	46.3	NR	NR	NR

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AMERICAN CANYON SANITARY LANDFILL
GROUNDWATER MONITORING HISTORICAL SUMMARY[1]
MONITORING PARAMETERS

Units: mg/l, unless noted

Sample Description	G-2	G-2	G-2	G-2	G-2	G-2	G-2	G-2	G-2	G-2	G-2	G-2	G-2	G-2	G-2	G-2	G-2
Sampling Date	04/24/91	07/02/91	01/06/92	04/06/92	07/24/92	10/23/92	01/04/93	04/27/93	07/08/93	11/30/93	02/09/94	04/06/94	08/30/94	10/25/94	01/19/95	04/17/95	07/13/95
Semivolatile Organic Compounds (ug/l)																	
(EPA Method 8270)																	
4-Chloroaniline	ND	ND	ND	ND	ND	NR	NR	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR
Acenaphthylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR
Butylbenzylphthalate	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR
N-Nitrosodiphenylamine	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
2,6-Dinitrotoluene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
2-Chloronaphthalene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Phenanthrene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Di-n-butylphthalate	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
bis(2-ethylhexyl) phthalate	ND	ND	ND	ND	ND	20	<5	<10	<5	<4	<2	<2	<10	NR	NR	NR	NR
2,4-dimethylphenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR
Naphthalene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR
2-methylnaphthalene	ND	ND	ND	ND	ND	NR	NR	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR
Acenaphthene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR
Dibenzofuran	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Fluorene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Anthracene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Fluoranthene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Pyrene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Benzoic Acid	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Diethyl phthalate	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
2-Methyl phenol	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
3,4-Methyl phenol	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Metals																	
Arsenic, Dissolved	0.012	<0.005	<0.005	<0.005	<0.005	NR	<0.01	<0.01	<0.01	0.0024	<0.002	<0.002	0.023	0.024	<0.001	<0.005	<0.01
Cadmium, Dissolved	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.006	trace	<0.003	<0.005
Chromium, Total Dissolved	<0.005	<0.01	<0.005	<0.01	<0.01	NR	<0.015	<0.005	<0.005	<0.01	<0.01	<0.01	<0.005	<0.002	<0.003	<0.005	<0.01
Copper, Dissolved	0.02	<0.01	<0.010	<0.01	<0.02	NR	<0.01	0.01	0.013	<0.01	<0.01	<0.01	0.01	0.016	trace	trace	trace
Lead, Dissolved	<0.002	<0.002	<0.002	<0.002	<0.002	NR	0.006	<0.002	<0.002	<0.005	<0.005	<0.005	0.004	0.012	<0.001	<0.001	0.002
Nickel, Dissolved	0.91	<0.02	0.458	0.302	0.177	NR	0.234	0.272	0.387	0.279	0.126	0.258	0.046	0.056	0.052	0.146	0.271
Inorganic Parameters																	
Total Dissolved Solids	11,000	16,000	8,900	12,000	14,000	NR	11,000	10,000	11,000	9,800	6,180	8,150	13,000	NR	NR	6,300	5,600
pH (std. units) (field)	5.93	5.78	6.28	6.25	6.88	6.69	6.45	6.23	6.16	5.93	6.29	6.10	7.35	7.37	6.40	6.55	6.10
Electrical Conductivity (umhos/cm) (field) [4]	15,770	15,410	11,530	12,460	8,030	10,300	9,640	10,680	14,680	1,040	6,860	6,400	11,890	19,180	8,970	6,970	7,950
Turbidity (NTU)(field)	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR

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AMERICAN CANYON SANITARY LANDFILL
GROUNDWATER MONITORING HISTORICAL SUMMARY[1]
MONITORING PARAMETERS

Units: mg/l, unless noted

Sample Description	G-2	G-2	G-2	G-2	G-2	G-2	G-2	G-2	G-2	G-2	G-2	G-2	G-2	G-2	G-2	G-2	G-2
Sampling Date	11/01/95	01/03/96	04/10/96	07/23/96	10/21/96	01/06/97	04/15/97	07/16/97	10/08/97	01/12/98	04/07/98	07/07/98	09/04/98	10/07/98	01/05/99	04/06/99	07/07/99
Semivolatile Organic Compounds (ug/l)																	
(EPA Method 8270)																	
4-Chloroaniline	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Acenaphthylene	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Butylbenzylphthalate	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
N-Nitrosodiphenylamine	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
2,6-Dinitrotoluene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
2-Chloronaphthalene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Phenanthrene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Di-n-butylphthalate	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
bis(2-ethylhexyl) phthalate	NR	<3	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
2,4-dimethylphenol	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Naphthalene	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
2-methylnaphthalene	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Acenaphthene	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Dibenzofuran	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Fluorene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Anthracene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Fluoranthene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Pyrene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Benzoic Acid	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Diethyl phthalate	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
2-Methyl phenol	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
3,4-Methyl phenol	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Metals																	
Arsenic, Dissolved	0.01	<0.002	<0.002	0.0041	0.013	0.012	0.0064	trace	trace	<0.0014	<0.0014	0.002	NR	trace	<0.014	<0.06	<0.06
Cadmium, Dissolved	NR	<0.003	NR	NR	NR	NR	NR	trace	<0.00012	trace	trace	<0.0005**	NR	<0.028**	<0.028	<0.01	<0.003
Chromium, Total Dissolved	<0.005	<0.005	<0.005	<0.018**	<0.045**	<0.009	<0.0081	trace	trace	trace	trace	0.0041	NR	<0.022**	0.054	trace	<0.004
Copper, Dissolved	NR	<0.01	NR	NR	NR	NR	NR	trace	trace	0.048	0.033	<0.049**	NR	<0.025**	trace	0.02	<0.002
Lead, Dissolved	NR	<0.001	NR	NR	NR	NR	NR	<0.00075	<0.0020	trace	0.0045	<0.0014**	NR	trace	<0.0017	<0.04	<0.04
Nickel, Dissolved	NR	0.09	NR	NR	NR	NR	NR	0.15	0.047	0.087	0.091	0.101	0.084	trace	trace	0.08	0.09
Inorganic Parameters																	
Total Dissolved Solids	9,500	8,500	NR	NR	NR	NR	NR	10,200	11,700	7,050	5,200	7,650	NR	11,600	9,200	8,200	9,700
pH (std. units) (field)	6.58	5.87	5.86	5.91	5.64	6.41	6.42	6.40	6.12	6.53	6.96	6.50	6.67	6.39	6.65	6.89	7.28
Electrical Conductivity (umhos/cm) (field) [4]	16,090	9,890	6,640	5,710	12,390	5,180	12,940	13,860	13,900	8,110	6,340	1,093	12,590	14,060	12,880	11,450	13,780
Turbidity (NTU)(field)	NR	NR	NR	NR	NR	NR	NR	25.1	13.82	7.11	NR	>200	64.7	30.3	31.2	12.2	30.4

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AMERICAN CANYON SANITARY LANDFILL
GROUNDWATER MONITORING HISTORICAL SUMMARY[1]
MONITORING PARAMETERS

Units: mg/l, unless noted

Sample Description	G-2	G-2	G-2	G-2	G-2	G-2	G-2	G-2	G-2	G-2	G-2	G-2	G-2	G-2	G-2	G-2	G-2
Sampling Date	10/12/99	01/05/00	05/08/00	07/13/00	11/07/00	01/23/01	04/17/01	07/26/01	10/23/01	01/10/02	04/02/02	07/09/02	10/10/02	01/07/03	04/08/03	07/08/03	10/07/03
Semivolatile Organic Compounds (ug/l) (EPA Method 8270)																	
4-Chloroaniline	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Acenaphthylene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Butylbenzylphthalate	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
N-Nitrosodiphenylamine	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
2,6-Dinitrotoluene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
2-Chloronaphthalene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Phenanthrene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Di-n-butylphthalate	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
bis(2-ethylhexyl) phthalate	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
2,4-dimethylphenol	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Naphthalene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
2-methylnaphthalene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Acenaphthene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Dibenzofuran	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Fluorene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Anthracene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Fluoranthene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Pyrene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Benzoic Acid	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Diethyl phthalate	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
2-Methyl phenol	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
3,4-Methyl phenol	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Metals																	
Arsenic, Dissolved	<0.05	<0.05	<0.032	<0.00164	0.040	<0.0082	<0.007	<0.003	0.033	<0.003	0.014	0.038	0.03	0.017	0.029	0.024	0.027
Cadmium, Dissolved	<0.003	<0.003	<0.00542	<0.00542	<0.00542	0.017	<0.02	<0.004	<0.2	<0.07	<0.08	<0.04	<0.08	<0.08	<0.08	trace	<0.019
Chromium, Total Dissolved	<0.004	<0.004	<0.00599	<0.00599	<0.00599	<0.00599	<0.02	<0.004	<0.2	trace	<0.07	<0.04	<0.07	<0.07	trace	trace	<0.0094
Copper, Dissolved	<0.002	0.02	<0.00446	<0.00446	<0.00446	0.022	trace	<0.002	<0.2	<0.05	<0.1	<0.05	0.032	0.051	0.064	0.06	trace
Lead, Dissolved	<0.04	<0.05	<0.00164	<0.00164	<0.00164	<0.00164	<0.004	<0.004	<0.00055	<0.002	<0.00025	trace	<0.00025	<0.00025	trace	<0.000055	<0.000055
Nickel, Dissolved	<0.02	0.11	<0.00455	<0.00455	0.054	0.44	0.2	0.2	<0.2	0.3	<0.09	0.3	0.1	trace	trace	0.22	0.17
Inorganic Parameters																	
Total Dissolved Solids	12,000	13,000	12,000	11,000	11,000	13,000	9,700	12,600	15,900	10,700	9,200	11,000	14,600	9,950	8,300	9,700	14,100
pH (std. units) (field)	6.44	6.42	6.50	6.38	7.51	5.75	6.58	6.58	6.30	6.80	6.79	6.41	6.88	7.06	7.71	6.74	7.06
Electrical Conductivity (umhos/cm) (field) [4]	16,960	17,590	15,680	15,080	13,410	16,180	12,760	12,760	17,900	10,800	9,980	13,400	16,100	13,780	6,768	14,720	19,980
Turbidity (NTU)(field)	7.32	38.6	47.7	NR	129.2	17.1	106.2	10.14	12.4	12.22	NR	25.16	31.7	98.6	12.4	7.3	16.9

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AMERICAN CANYON SANITARY LANDFILL
GROUNDWATER MONITORING HISTORICAL SUMMARY[1]
MONITORING PARAMETERS

Units: mg/l, unless noted

Sample Description	G-2	G-2	G-2	G-2	G-2	G-3A	G-3A	G-3A	G-3A	G-3A	G-3A	G-3A	G-3A	G-3A	G-3A	G-3A	G-3A
Sampling Date	01/07/04	04/13/04	07/13/04	10/05/04	01/11/05	01/09/90	04/24/90	07/05/90	10/03/90	12/07/90	01/03/91	04/25/91	06/24/91	06/24/91	07/02/91	10/09/91	01/06/92
Semivolatile Organic Compounds (ug/l) (EPA Method 8270)																	
4-Chloroaniline	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR	ND	ND	ND	ND
Acenaphthylene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR	ND	ND	ND	ND
Butylbenzylphthalate	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR	ND	ND	ND	ND
N-Nitrosodiphenylamine	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
2,6-Dinitrotoluene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
2-Chloronaphthalene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Phenanthrene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Di-n-butylphthalate	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
bis(2-ethylhexyl) phthalate	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR	ND	ND	ND	ND
2,4-dimethylphenol	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR	8.1	<5	<5	<5
Naphthalene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR	26	<5	<5	<5
2-methylnaphthalene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR	9.6	<5	<5	<5
Acenaphthene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR	9.4	<5	<5	<5
Dibenzofuran	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Fluorene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Anthracene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Fluoranthene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Pyrene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Benzoic Acid	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Diethyl phthalate	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
2-Methyl phenol	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
3,4-Methyl phenol	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Metals																	
Arsenic, Dissolved	0.011	0.021	0.025	0.029	0.033	NR	NR	NR	NR	NR	NR	0.013	NR	NR	<0.005	<0.005	0.006
Cadmium, Dissolved	trace	<0.0095	<0.003	0.03	<0.027	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Chromium, Total Dissolved	trace	<0.0047	trace	<0.014	<0.004	NR	NR	NR	NR	NR	NR	0.007	NR	NR	<0.005	0.007	<0.005
Copper, Dissolved	trace	trace	trace	<0.016	0.009	NR	NR	NR	NR	NR	NR	<0.01	NR	NR	<0.01	<0.010	<0.010
Lead, Dissolved	<0.000055	trace	<0.00014	<0.00014	0.0002	NR	NR	NR	NR	NR	NR	<0.002	NR	NR	<0.002	<0.002	0.002
Nickel, Dissolved	trace	0.11	0.17	0.12	0.1	NR	NR	NR	NR	0.015	NR	<0.02	NR	NR	<0.02	<0.020	0.02
Inorganic Parameters																	
Total Dissolved Solids	10,800	8,150	10,000	12,600	10,700	8,000	10,000	8,400	11,000	NR	8,500	8,200	NR	NR	8,700	9,000	8,900
pH (std. units) (field)	6.46	6.84	6.32	6.98	6.86	6.67	6.64	6.48	6.32	NR	6.58	6.50	NR	6.77	6.83	6.97	6.44
Electrical Conductivity (umhos/cm) (field) [4]	14,610	12,090	16,030	18,040	20,330	15,070	13,840	9,160	9,490	NR	9,300	13,210	NR	13,470	12,770	8,770	10,529
Turbidity (NTU)(field)	12.7	123.6	10.5	46.8	39.7	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR

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[2] This analytical result appears to be anomalous and therefore was not used in statistical evaluation procedures.
[3] Because this constituent was detected in the method blank during laboratory QA/QC, this quarter's data was not included in the statistical evaluation.
[4] This field measurement is presented here for informational purposes only.
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AMERICAN CANYON SANITARY LANDFILL
GROUNDWATER MONITORING HISTORICAL SUMMARY[1]
MONITORING PARAMETERS

Units: mg/l, unless noted

Sample Description	G-3A	G-3A	G-3A	G-3A	G-3A	G-3A	G-3A	G-3A	G-3A	G-3A	G-3A	G-3A	G-3A	G-3A	G-3A	G-3A	G-3A
Sampling Date	04/07/92	07/23/92	10/13/92	01/04/93	04/28/93	07/08/93	11/30/93	02/09/94	04/07/94	08/30/94	10/26/94	01/18/95	04/17/95	07/13/95	10/31/95	01/02/96	04/10/96
Semivolatile Organic Compounds (ug/l)																	
(EPA Method 8270)																	
4-Chloroaniline	ND	ND	NR	NR	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR	NR	ND	NR
Acenaphthylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR	ND	NR
Butylbenzylphthalate	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR	ND	NR
N-Nitrosodiphenylamine	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
2,6-Dinitrotoluene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
2-Chloronaphthalene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Phenanthrene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Di-n-butylphthalate	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR
bis(2-ethylhexyl) phthalate	ND	ND	ND	ND	26	<5	<4	<2	<2	<10	NR	NR	NR	NR	NR	<3	NR
2,4-dimethylphenol	<5	<5	<5	<5	<10	<5	<4	<2	<2	<10	NR	NR	NR	NR	NR	<5	NR
Naphthalene	<5	<5	<5	<5	<10	<5	<4	<2	<2	<10	NR	NR	NR	NR	NR	<4	NR
2-methylnaphthalene	<5	<5	NR	NR	<10	<5	<4	<2	NR	NR	NR	NR	NR	NR	NR	<4	NR
Acenaphthene	<5	<5	<5	<5	<10	<5	<4	<2	<2	<10	NR	NR	NR	NR	NR	<3	NR
Dibenzofuran	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR
Fluorene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Anthracene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Fluoranthene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Pyrene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Benzoic Acid	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Diethyl phthalate	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
2-Methyl phenol	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
3,4-Methyl phenol	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Metals																	
Arsenic, Dissolved	<0.005	<0.005	<0.005	<0.010	<0.01	<0.01	0.0034	0.0036	0.0026	<0.005	<0.001	0.005	0.005	<0.01	trace	trace	trace
Cadmium, Dissolved	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	<0.002	trace	<0.003	<0.005	NR	<0.003	NR
Chromium, Total Dissolved	<0.01	<0.01	<0.005	<0.015	<0.005	0.008	<0.01	<0.01	<0.01	0.007	0.007	0.006	<0.01	<0.01	0.01	0.01	0.01
Copper, Dissolved	<0.01	<0.01	<0.01	<0.010	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.004	<0.004	<0.002	trace	NR	<0.01	NR
Lead, Dissolved	0.002	<0.002	<0.002	<0.004	<0.002	<0.002	<0.005	<0.005	<0.005	<0.002	<0.001	<0.001	<0.001	<0.001	NR	trace	NR
Nickel, Dissolved	0.022	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.02	<0.007	<0.013	trace	0.02	NR	trace	NR
Inorganic Parameters																	
Total Dissolved Solids	8,600	9,000	9,100	9,300	9,100	9,300	9,100	9,300	9,500	9,200	NR	NR	9,600	7,500	7,600	10,000	NR
pH (std. units) (field)	6.67	6.77	6.70	6.65	6.61	6.80	6.38	6.59	6.96	6.63	6.56	6.44	6.58	6.62	6.11	6.49	6.40
Electrical Conductivity (umhos/cm) (field) [4]	12,910	8,430	9,360	11,990	14,850	14,990	1,410	10,960	8,620	7,710	8,030	16,210	14,470	12,500	16,420	16,890	15,690
Turbidity (NTU)(field)	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR

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AMERICAN CANYON SANITARY LANDFILL
GROUNDWATER MONITORING HISTORICAL SUMMARY[1]
MONITORING PARAMETERS

Units: mg/l, unless noted

Sample Description	G-3A	G-3A	G-3A	G-3A	G-3A	G-3A	G-3A	G-3A	G-3A	G-3A	G-3A	G-3A	G-3A	G-3A	G-3A	G-3A	G-3A
Sampling Date	07/23/96	10/21/96	01/06/97	04/15/97	07/15/97	10/08/97	01/12/98	03/04/98	04/07/98	07/07/98	10/08/98	01/05/99	04/06/99	07/08/99	10/13/99	01/05/00	05/09/00
Semivolatile Organic Compounds (ug/l) (EPA Method 8270)																	
4-Chloroaniline	NR	NR	NR	NR	ND	NR	ND	NR	NR	ND	ND	NR	NR	ND	NR	ND	NR
Acenaphthylene	NR	NR	NR	NR	ND	NR	ND	NR	NR	ND	ND	NR	NR	ND	NR	ND	NR
Butylbenzylphthalate	NR	NR	NR	NR	ND	NR	ND	NR	NR	ND	ND	NR	NR	ND	NR	ND	NR
N-Nitrosodiphenylamine	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	trace	NR	NR	trace	NR	<0.7	NR
2,6-Dinitrotoluene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	trace	NR	<0.4	NR
2-Chloronaphthalene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	trace	NR	NR	trace	NR	<0.4	NR
Phenanthrene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR	NR	ND	NR	ND	NR
Di-n-butylphthalate	NR	NR	NR	NR	ND	NR	trace	NR	NR	NR	NR	NR	NR	trace	NR	<0.4	NR
bis(2-ethylhexyl) phthalate	NR	NR	NR	NR	trace	NR	<6.9	NR	NR	<3.37**	trace	NR	NR	trace	NR	<4	NR
2,4-dimethylphenol	NR	NR	NR	NR	<6.8	NR	<6.8	NR	NR	<1.74**	<0.589	NR	NR	<0.2	NR	<0.3	NR
Naphthalene	NR	NR	NR	NR	<1.6	NR	<1.6	NR	NR	<1.97**	<0.394	NR	NR	<0.6	NR	<0.6	NR
2-methylnaphthalene	NR	NR	NR	NR	NR	NR	<2.0	NR	NR	<1.80**	<0.359	NR	NR	<0.6	NR	<0.6	NR
Acenaphthene	NR	NR	NR	NR	NR	NR	<1.9	NR	NR	<2.68**	<0.415	NR	NR	<0.5	NR	<0.5	NR
Dibenzofuran	NR	NR	NR	NR	ND	NR	ND	NR	NR	ND	ND	NR	NR	ND	NR	ND	NR
Fluorene	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	NR	NR	ND	NR	ND	NR
Anthracene	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	NR	NR	ND	NR	ND	NR
Fluoranthene	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	NR	NR	ND	NR	ND	NR
Pyrene	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	NR	NR	ND	NR	ND	NR
Benzoic Acid	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	NR	NR	ND	NR	ND	NR
Diethyl phthalate	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	NR	NR	ND	NR	ND	NR
2-Methyl phenol	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	NR	NR	ND	NR	ND	NR
3,4-Methyl phenol	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	NR	NR	ND	NR	ND	NR
Metals																	
Arsenic, Dissolved	0.004	0.0044	0.003	0.0062	trace	trace	<0.0014	NR	0.0063	trace	trace	<0.014	<0.06	<0.06	<0.5	<0.05	<0.032
Cadmium, Dissolved	NR	NR	NR	NR	trace	<0.00012	0.0056	<0.01	<0.00086	trace	<0.028**	<0.028	<0.01	<0.003	<0.03	<0.003	<0.00542
Chromium, Total Dissolved	<0.018**	<0.018**	<0.018**	trace	0.012	trace	0.043	0.01	0.017	0.015	<0.022**	0.07	0.01	<0.004	<0.04	0.01	<0.00599
Copper, Dissolved	NR	NR	NR	NR	trace	trace	0.047 [2]	NR	trace	<0.0049	<0.025**	<0.049	<0.002	<0.002	<0.02	trace	<0.00446
Lead, Dissolved	NR	NR	NR	NR	<0.00075	<0.0020	<0.00075	NR	<0.0020	<0.0014**	<0.0014**	trace	<0.04	<0.04	<0.4	<0.05	<0.00164
Nickel, Dissolved	NR	NR	NR	NR	trace	trace	trace	trace	trace	0.032	trace	trace	trace	trace	<0.2	trace	<0.00455
Inorganic Parameters																	
Total Dissolved Solids	NR	NR	NR	NR	8,980	9,440	10,300	NR	10,100	9,450	9,800	9,300	9,900	8,800	8,800	9,200	11,000
pH (std. units) (field)	6.81	6.24	6.77	6.70	6.54	6.78	6.88	6.88	7.05	6.87	6.89	7.03	6.89	7.82	6.67	6.73	6.94
Electrical Conductivity (umhos/cm) (field) [4]	10,430	15,470	8,540	15,280	16,120	16,090	1,279	11,140	11,770	1,687	17,340	18,620	17,660	17,870	18,000	18,020	17,200
Turbidity (NTU)(field)	NR	NR	NR	NR	46.8	36.3	56.7	NR	NR	>200	26.9	20.1	19.6	37.4	14.89	39.8	34.6

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AMERICAN CANYON SANITARY LANDFILL
GROUNDWATER MONITORING HISTORICAL SUMMARY[1]
MONITORING PARAMETERS

Units: mg/l, unless noted

Sample Description	G-3A	G-3A	G-3A	G-3A	G-3A	G-3A	G-3A	G-3A	G-3A	G-3A	G-3A	G-3A	G-3A	G-3A	G-3A	G-3A	G-3A
Sampling Date	07/13/00	11/07/00	01/23/01	04/17/01	07/25/01	10/23/01	01/10/02	04/02/02	07/09/02	10/09/02	01/07/03	04/08/03	07/08/03	10/07/03	01/07/04	04/13/04	07/13/04
Semivolatile Organic Compounds (ug/l)																	
(EPA Method 8270)																	
4-Chloroaniline	ND	NR	ND	NR	trace	NR	<0.86	NR	<0.25	NR	<0.86	NR	<0.24	NR	trace	NR	<0.24
Acenaphthylene	ND	NR	ND	NR	ND	NR	ND	NR	ND	NR	ND	NR	ND	NR	ND	NR	ND
Butylbenzylphthalate	ND	NR	ND	NR	ND	NR	ND	NR	ND	NR	ND	NR	ND	NR	ND	NR	ND
N-Nitrosodiphenylamine	<1.82	NR	<1.82	NR	<0.68	NR	<0.68	NR	4.2	NR	<0.68	NR	<0.29	NR	trace	NR	<0.29
2,6-Dinitrotoluene	<3.60	NR	<3.60	NR	<0.96	NR	<0.96	NR	<0.42	NR	<0.96	NR	<0.40	NR	<0.54	NR	<0.54
2-Chloronaphthalene	<3.45	NR	<3.45	NR	<0.98	NR	<0.98	NR	trace	NR	trace	NR	<0.24	NR	<0.15	NR	<0.15
Phenanthrene	ND	NR	ND	NR	ND	NR	ND	NR	ND	NR	ND	NR	ND	NR	ND	NR	ND
Di-n-butylphthalate	<1.66	NR	<1.66	NR	<0.33	NR	<0.33	NR	<0.35	NR	<0.33	NR	<0.34	NR	<0.19	NR	<0.19
bis(2-ethylhexyl) phthalate	11	NR	18	NR	trace	NR	8.5	NR	trace	NR	trace	NR	trace	NR	24	NR	trace
2,4-dimethylphenol	<5.60	NR	<5.60	NR	<0.68	NR	<0.68	NR	<0.29	NR	<0.68	NR	<0.28	NR	<0.32	NR	4.5
Naphthalene	<1.37	NR	<1.37	NR	trace	NR	<0.91	NR	<0.34	NR	trace	NR	<0.33	NR	trace	NR	<0.33
2-methylnaphthalene	<6.32	NR	<6.32	NR	trace	NR	<0.96	NR	<0.32	NR	trace	NR	<0.31	NR	trace	NR	<0.31
Acenaphthene	<1.92	NR	<1.92	NR	<0.24	NR	<0.24	NR	<0.22	NR	<0.24	NR	<0.23	NR	<0.26	NR	5.4
Dibenzofuran	ND	NR	ND	NR	ND	NR	ND	NR	ND	NR	ND	NR	ND	NR	ND	NR	ND
Fluorene	ND	NR	ND	NR	ND	NR	ND	NR	ND	NR	ND	NR	ND	NR	ND	NR	ND
Anthracene	ND	NR	ND	NR	ND	NR	ND	NR	ND	NR	ND	NR	ND	NR	ND	NR	ND
Fluoranthene	ND	NR	ND	NR	ND	NR	ND	NR	ND	NR	ND	NR	ND	NR	ND	NR	ND
Pyrene	ND	NR	ND	NR	ND	NR	ND	NR	ND	NR	ND	NR	ND	NR	ND	NR	ND
Benzoic Acid	ND	NR	ND	NR	ND	NR	ND	NR	ND	NR	ND	NR	ND	NR	ND	NR	ND
Diethyl phthalate	ND	NR	ND	NR	ND	NR	ND	NR	ND	NR	ND	NR	ND	NR	ND	NR	trace
2-Methyl phenol	ND	NR	ND	NR	ND	NR	ND	NR	ND	NR	ND	NR	ND	NR	ND	NR	ND
3,4-Methyl phenol	ND	NR	ND	NR	ND	NR	ND	NR	ND	NR	ND	NR	ND	NR	ND	NR	ND
Metals																	
Arsenic, Dissolved	<0.00164	0.110	<0.0082	<0.007	trace	trace	0.005	0.023	0.047	0.035	0.027	0.044	0.031	0.031	0.021	0.042	0.037
Cadmium, Dissolved	<0.00542	<0.00542	<0.00542	<0.04	0.01	0.01	<0.07	<0.08	<0.04	<0.08	<0.08	<0.08	<0.0006	<0.019	<0.006	<0.0095	<0.003
Chromium, Total Dissolved	<0.00599	<0.00599	<0.00599	<0.04	<0.004	<0.004	trace	<0.07	<0.04	<0.07	<0.07	trace	0.015	trace	trace	trace	trace
Copper, Dissolved	<0.00446	<0.00446	<0.00446	<0.03	<0.2	<0.2	<0.05	<0.1	<0.05	0.026	0.054	0.047	0.011	<0.013	trace	<0.0063	trace
Lead, Dissolved	<0.00164	<0.00164	<0.00164	<0.004	<0.002	<0.002	<0.002	<0.00025	trace	<0.00025	<0.00025	trace	<0.000055	<0.000055	trace	<0.00014	trace
Nickel, Dissolved	<0.00455	trace	0.029	<0.03	<0.003	<0.003	trace	<0.09	trace	<0.09	<0.09	<0.09	0.033	trace	trace	trace	trace
Inorganic Parameters																	
Total Dissolved Solids	9,200	8,000	8,300	9,850	9,650	9,650	9,350	9,700	9,900	9,950	9,500	9,150	9,800	9,250	9,550	9,500	7,750
pH (std. units) (field)	7.01	7.52	6.71	6.64	6.64	6.64	6.88	6.85	6.81	6.90	6.76	7.74	6.89	7.01	7.04	6.95	6.72
Electrical Conductivity (umhos/cm) (field) [4]	15,990	12,910	12,180	16,020	1,620	1,620	13,600	13,040	9,940	13,800	15,470	15,140	15,750	16,320	16,250	16,030	16,360
Turbidity (NTU)(field)	NR	39.0	76.4	6.51	34.1	34.1	11.33	19.1	17.9	39.6	62.1	15.7	14.7	15.1	84.9	20.9	25.9

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AMERICAN CANYON SANITARY LANDFILL
GROUNDWATER MONITORING HISTORICAL SUMMARY[1]
MONITORING PARAMETERS

Units: mg/l, unless noted

Sample Description	G-3A	G-3A	G-4	G-4	G-4	G-4	G-4	G-4	G-4	G-4	G-4	G-4	G-4	G-4	G-4	G-4	G-4
Sampling Date	10/05/04	01/11/05	04/24/90	07/06/90	10/03/90	12/07/90	01/04/91	04/25/91	07/02/91	10/09/91	01/07/92	04/07/92	07/23/92	10/13/92	01/05/93	04/28/93	07/09/93
Semivolatile Organic Compounds (ug/l) (EPA Method 8270)																	
4-Chloroaniline	NR	<0.24	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	NR	NR	ND	ND
Acenaphthylene	NR	ND	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Butylbenzylphthalate	NR	ND	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-Nitrosodiphenylamine	NR	<0.29	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
2,6-Dinitrotoluene	NR	<0.54	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
2-Chloronaphthalene	NR	<0.15	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Phenanthrene	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Di-n-butylphthalate	NR	<0.19	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
bis(2-ethylhexyl) phthalate	NR	<3	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	5	<5	22	<5
2,4-dimethylphenol	NR	<0.32	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	NR	<0.33	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-methylnaphthalene	NR	<0.31	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	NR	NR	ND	ND
Acenaphthene	NR	<0.26	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Fluorene	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Anthracene	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Fluoranthene	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Pyrene	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Benzoic Acid	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Diethyl phthalate	NR	<2.7	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
2-Methyl phenol	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
3,4-Methyl phenol	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Metals																	
Arsenic, Dissolved	0.04	0.048	NR	NR	NR	NR	NR	0.008	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.010	<0.01	<0.01
Cadmium, Dissolved	0.02	<0.027	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Chromium, Total Dissolved	0.016	0.017	NR	NR	NR	NR	NR	<0.005	<0.01	<0.005	<0.005	<0.01	<0.01	<0.01	<0.015	<0.01	<0.005
Copper, Dissolved	<0.016	<0.0041	NR	NR	NR	NR	NR	<0.01	0.01	<0.010	<0.010	<0.01	0.033	<0.01	<0.010	<0.01	<0.01
Lead, Dissolved	<0.00014	<0.00014	NR	NR	NR	NR	NR	<0.004	<0.002	<0.002	0.003	<0.002	0.005	<0.002	<0.004	<0.002	<0.002
Nickel, Dissolved	0.032	0.025	NR	NR	NR	0.041	NR	0.09	0.07	0.064	0.219	0.696	0.933	0.177	0.396	0.08	0.037
Inorganic Parameters																	
Total Dissolved Solids	14,600	9,100	15,000	19,000	21,000	NR	21,000	19,000	22,000	23,000	21,000	17,000	33,000[2]	20,000	23,000	19,000	19,000
pH (std. units) (field)	7.33	6.81	6.09	5.99	6.34	NR	5.98	5.97	6.52	7.40	6.17	5.95	4.69	5.93	5.81	6.32	6.67
Electrical Conductivity (umhos/cm) (field) [4]	17,080	15,820	>20,000	14,070	14,220	NR	>20,000	>20,000	>20,000	18,120	15,810	>20,000	13,860	9,800	>20,000	>20,000	>20,000
Turbidity (NTU)(field)	31.7	54.6	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR

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AMERICAN CANYON SANITARY LANDFILL
GROUNDWATER MONITORING HISTORICAL SUMMARY[1]
MONITORING PARAMETERS

Units: mg/l, unless noted

Sample Description	G-4	G-4	G-4	G-4	G-4	G-4	G-4	G-4	G-4	G-4	G-4	G-4	G-4	G-4	G-4	G-4	G-4
Sampling Date	12/01/93	02/09/94	04/07/94	08/30/94	10/26/94	01/19/95	04/19/95	07/13/95	10/31/95	01/03/96	04/11/96	07/24/96	10/22/96	01/07/97	04/16/97	07/16/97	10/10/97
Semivolatile Organic Compounds (ug/l)																	
(EPA Method 8270)																	
4-Chloroaniline	ND	ND	ND	ND	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR
Acenaphthylene	ND	ND	ND	ND	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR
Butylbenzylphthalate	ND	ND	ND	ND	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR
N-Nitrosodiphenylamine	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
2,6-Dinitrotoluene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
2-Chloronaphthalene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Phenanthrene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Di-n-butylphthalate	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR
bis(2-ethylhexyl) phthalate	<7	<2	2.6	<10	NR	NR	NR	NR	NR	<3	NR	NR	NR	NR	NR	NR	NR
2,4-dimethylphenol	ND	ND	ND	ND	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR
Naphthalene	ND	ND	ND	ND	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR
2-methylnaphthalene	ND	ND	ND	ND	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR
Acenaphthene	ND	ND	ND	ND	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR
Dibenzofuran	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR
Fluorene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Anthracene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Fluoranthene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Pyrene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Benzoic Acid	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Diethyl phthalate	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
2-Methyl phenol	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
3,4-Methyl phenol	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Metals																	
Arsenic, Dissolved	0.0086	0.0026	<0.002	<0.005	<0.001	<0.001	<0.001	<0.01	<0.002	<0.002	<0.002	<0.001	<0.00068	0.002	0.0021	trace	<0.0041
Cadmium, Dissolved	NR	NR	NR	NR	trace	0.012	<0.008	<0.005	NR	<0.003	NR	NR	NR	NR	NR	trace	<0.00012
Chromium, Total Dissolved	<0.01	<0.01	<0.01	<0.005	<0.002	trace	<0.005	<0.01	<0.005	<0.005	<0.005	<0.018**	<0.009	<0.009	<0.0081	trace	trace
Copper, Dissolved	<0.01	<0.01	<0.01	<0.010	trace	0.021	<0.002	trace	NR	<0.01	NR	NR	NR	NR	NR	trace	trace
Lead, Dissolved	<0.005	<0.005	<0.005	<0.002	<0.001	<0.001	0.003	<0.001	NR	<0.001	NR	NR	NR	NR	NR	<0.00075	<0.0027
Nickel, Dissolved	<0.05	0.229	0.053	<0.020	0.028	0.682	0.082	0.037	NR	trace	NR	NR	NR	NR	NR	trace	<0.0016
Inorganic Parameters																	
Total Dissolved Solids	18,500	19,700	18,600	18,000	NR	NR	17,000	15,000	13,000	20,000	NR	NR	NR	NR	NR	16,200	17,500
pH (std. units) (field)	6.45	6.21	6.80	6.73	6.86	4.51[2]	6.30	6.88	6.52	6.26	6.10	6.68	6.48	5.21	6.80	6.77	6.06
Electrical Conductivity (umhos/cm) (field)	>20,000	16,430	12,540	9,970	>20,000	>20,000	>20,000	>20,000	>20,000	>20,000	>20,000	12,220	>20,000	5,090	>20,000	>20,000	>20,000
Turbidity (NTU)(field)	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	32.9	6.57

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AMERICAN CANYON SANITARY LANDFILL
GROUNDWATER MONITORING HISTORICAL SUMMARY[1]
MONITORING PARAMETERS

Units: mg/l, unless noted

Sample Description	G-4	G-4	G-4	G-4	G-4	G-4	G-4	G-4	G-4	G-4	G-4	G-4	G-4	G-4	G-6A	G-6A	G-6A
Sampling Date	01/12/98	04/07/98	10/08/98	01/07/99	04/08/99	07/09/99	10/14/99	01/06/00	01/06/00	11/10/00	01/25/01	04/17/01	07/26/01	10/24/01	01/09/90	04/24/90	07/05/90
Semivolatile Organic Compounds (ug/l)																	
(EPA Method 8270)																	
4-Chloroaniline	NR	NS	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR
Acenaphthylene	NR	NS	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR
Butylbenzylphthalate	NR	NS	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR
N-Nitrosodiphenylamine	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR
2,6-Dinitrotoluene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR
2-Chloronaphthalene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR
Phenanthrene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR
Di-n-butylphthalate	NR	NS	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR
bis(2-ethylhexyl) phthalate	NR	NS	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	trace	NR	NR	NR	NR
2,4-dimethylphenol	NR	NS	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR
Naphthalene	NR	NS	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR
2-methylnaphthalene	NR	NS	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR
Acenaphthene	NR	NS	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR
Dibenzofuran	NR	NS	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR
Fluorene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR
Anthracene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR
Fluoranthene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR
Pyrene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR
Benzoic Acid	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	trace	NR	NR	NR	NR
Diethyl phthalate	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR
2-Methyl phenol	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	trace	NR	NR	NR	NR
3,4-Methyl phenol	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR
Metals																	
Arsenic, Dissolved	<0.0014	NS	<0.0068**	<0.014	<0.06	<0.06	<0.05	<0.032	0.008	0.059	<0.0082	<0.02	<0.007	0.046	NR	NR	NR
Cadmium, Dissolved	trace	NS	<0.028**	<0.028	<0.01	<0.003	<0.003	<0.00542	<0.00542	<0.00542	<0.00542	<0.07	0.02	<0.2	NR	NR	NR
Chromium, Total Dissolved	trace	NS	<0.022**	trace	<0.004	<0.004	<0.004	<0.00599	<0.00599	<0.00599	<0.00599	trace	0.04	<0.2	NR	NR	NR
Copper, Dissolved	0.058	NS	<0.025**	trace	<0.002	<0.002	<0.002	<0.00446	0.022	trace	trace	<0.05	<0.2	<0.2	NR	NR	NR
Lead, Dissolved	<0.00075	NS	trace	<0.0066	<0.04	<0.04	<0.04	<0.00164	<0.00164	<0.00164	<0.00164	<0.008	<0.004	<0.00055	NR	NR	NR
Nickel, Dissolved	0.263	NS	trace	trace	trace	<0.02	<0.02	<0.00455	0.280	0.093	0.028	<0.05	0.1	<0.2	NR	NR	NR
Inorganic Parameters																	
Total Dissolved Solids	9,990	NS	14,600	15,800	19,000	16,000	18,000	16,000	22,000	18,000	18,000	20,100	25,500	8,100	13,000	15,000	14,000
pH (std. units) (field)	6.70	NS	6.83	7.09	6.78	6.84	6.86	6.64	5.36	8.28	7.07	6.00	6.00	6.38	6.76	6.80	6.40
Electrical Conductivity (umhos/cm) (field)	1,470	NS	25,060	25,730	25,430	25,640	23,870	23,570	28,530	12,620	17,470	29,430	29,430	1,440	>20,000	>20,000	12,340
Turbidity (NTU)(field)	58.6	NS	80.1	24.6	>200	39.6	29.2	34.6	NR	26.9	112.4	>200	182	42.9	NR	NR	NR

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AMERICAN CANYON SANITARY LANDFILL
GROUNDWATER MONITORING HISTORICAL SUMMARY[1]
MONITORING PARAMETERS

Units: mg/l, unless noted

Sample Description	G-6A	G-6A	G-6A	G-6A	G-6A	G-6A	G-6A	G-6A	G-6A	G-6A	G-6A	G-6AR	G-6AR	G-6AR	G-6AR	G-6AR	G-6AR
Sampling Date	10/03/90	12/03/90	12/05/90	12/07/90	01/04/91	04/25/91	07/02/91	10/09/91	01/07/92	04/07/92	01/06/93	02/09/94	04/07/94	08/30/94	10/25/94	01/19/95	04/18/95
Semivolatile Organic Compounds (ug/l) (EPA Method 8270)																	
4-Chloroaniline	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	NR	ND	ND	NR	NR	NR	NR
Acenaphthylene	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR
Butylbenzylphthalate	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR
N-Nitrosodiphenylamine	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
2,6-Dinitrotoluene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
2-Chloronaphthalene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Phenanthrene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Di-n-butylphthalate	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR	NR	NR
bis(2-ethylhexyl) phthalate	NR	NR	NR	NR	NR	ND	ND	15	<5	6	16	ND	ND	ND	NR	NR	NR
2,4-dimethylphenol	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR
Naphthalene	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR
2-methylnaphthalene	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	NR	ND	ND	ND	NR	NR	NR
Acenaphthene	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR
Dibenzofuran	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR	NR	NR
Fluorene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Anthracene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Fluoranthene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Pyrene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Benzoic Acid	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Diethyl phthalate	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
2-Methyl phenol	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
3,4-Methyl phenol	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Metals																	
Arsenic, Dissolved	NR	NR	NR	NR	NR	0.03	0.027	0.13	0.095	0.031	<0.010	0.0054	0.0034	0.03	0.037	0.006	0.005
Cadmium, Dissolved	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	<0.002	<0.002	<0.003
Chromium, Total Dissolved	NR	NR	NR	NR	NR	<0.005	<0.005	<0.005	<0.005	<0.01	<0.015	<0.01	<0.01	<0.01	<0.002	<0.003	<0.01
Copper, Dissolved	NR	NR	NR	NR	NR	<0.01	<0.01	<0.010	<0.010	<0.01	<0.010	<0.01	<0.01	<0.01	trace	<0.004	<0.002
Lead, Dissolved	NR	NR	NR	NR	NR	<0.002	<0.002	<0.002	0.003	0.002	<0.004	<0.005	<0.005	<0.002	<0.001	<0.001	<0.001
Nickel, Dissolved	NR	0.009	0.022	0.005	NR	<0.02	<0.02	<0.020	<0.020	<0.02	<0.020	0.08	<0.05	0.031	0.022	0.127	<0.03
Inorganic Parameters																	
Total Dissolved Solids	15,000	NR	NR	NR	15,000	14,000	15,000	15,000	15,000	14,000	15,000	17,600	18,200	17,000	NR	NR	13,000
pH (std. units) (field)	6.40	NR	NR	NR	6.63	6.76	6.92	7.47	6.77	6.85	6.75	6.61	7.07	7.07	6.65	6.40	7.01
Electrical Conductivity (umhos/cm) (field)	11,760	NR	NR	NR	14,720	19,850	16,100	12,780	12,690	17,490	17,850	14,450	11,190	10,060	>20,000	>20,000	15,620
Turbidity (NTU)(field)	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR

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AMERICAN CANYON SANITARY LANDFILL
GROUNDWATER MONITORING HISTORICAL SUMMARY[1]
MONITORING PARAMETERS

Units: mg/l, unless noted

Sample Description	G-6AR	G-6AR	G-6AR	G-6AR	G-6AR	G-6AR	G-6AR	G-6AR	G-6AR	G-6AR	G-6AR	G-6AR	G-6AR	G-6AR	G-6AR	G-6AR	G-6AR
Sampling Date	07/13/95	10/31/95	01/03/96	04/11/96	07/25/96	10/22/96	01/07/97	04/16/97	07/16/97	10/09/97	01/14/98	04/07/98	10/08/98	01/07/99	04/08/99	07/09/99	10/13/99
Semivolatile Organic Compounds (ug/l)																	
(EPA Method 8270)																	
4-Chloroaniline	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	NS	NS	NR	NR	NR	NR
Acenaphthylene	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	NS	NS	NR	NR	NR	NR
Butylbenzylphthalate	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	NS	NS	NR	NR	NR	NR
N-Nitrosodiphenylamine	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NS	NS	NR	NR	NR	NR
2,6-Dinitrotoluene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NS	NS	NR	NR	NR	NR
2-Chloronaphthalene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NS	NS	NR	NR	NR	NR
Phenanthrene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NS	NS	NR	NR	NR	NR
Di-n-butylphthalate	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	NS	NS	NR	NR	NR	NR
bis(2-ethylhexyl) phthalate	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	NS	NS	NR	NR	NR	NR
2,4-dimethylphenol	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	NS	NS	NR	NR	NR	NR
Naphthalene	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	NS	NS	NR	NR	NR	NR
2-methylnaphthalene	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	NS	NS	NR	NR	NR	NR
Acenaphthene	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	NS	NS	NR	NR	NR	NR
Dibenzofuran	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	NS	NS	NR	NR	NR	NR
Fluorene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NS	NS	NR	NR	NR	NR
Anthracene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NS	NS	NR	NR	NR	NR
Fluoranthene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NS	NS	NR	NR	NR	NR
Pyrene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NS	NS	NR	NR	NR	NR
Benzoic Acid	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NS	NS	NR	NR	NR	NR
Diethyl phthalate	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NS	NS	NR	NR	NR	NR
2-Methyl phenol	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NS	NS	NR	NR	NR	NR
3,4-Methyl phenol	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NS	NS	NR	NR	NR	NR
Metals																	
Arsenic, Dissolved	trace	0.04	trace	trace	0.0045	0.031	0.003	0.0061	trace	0.02	<0.0014	NS	NS	trace	<0.06	<0.06	<0.05
Cadmium, Dissolved	<0.005	NR	<0.003	NR	NR	NR	NR	NR	trace	<0.00012	trace	NS	NS	<0.028	<0.01	<0.003	<0.003
Chromium, Total Dissolved	<0.01	<0.005	<0.005	<0.005	<0.018**	<0.018**	<0.009	<0.0081	trace	<0.0011	trace	NS	NS	trace	trace	<0.004	<0.004
Copper, Dissolved	trace	NR	<0.01	NR	NR	NR	NR	NR	<0.00065	<0.00065	0.036	NS	NS	<0.049	<0.002	<0.002	<0.002
Lead, Dissolved	<0.001	NR	<0.001	NR	NR	NR	NR	NR	<0.00075	<0.0020	<0.00075	NS	NS	<0.0066	<0.04	0.041	<0.04
Nickel, Dissolved	<0.019	NR	0.32	NR	NR	NR	NR	NR	trace	trace	0.07	NS	NS	<0.022	trace	0.04	<0.02
Inorganic Parameters																	
Total Dissolved Solids	15,000	27,000 [2]	17,000	NR	NR	NR	NR	NR	11,800	13,200	8,390	NS	NS	12,600	11,000	11,000	6,200
pH (std. units) (field)	7.01	7.07	6.06	6.01	6.64	6.94	6.61	6.79	7.39	7.00	6.13	NS	NS	7.12	7.26	7.41	6.96
Electrical Conductivity (umhos/cm) (field)	17,640	>20,000	>20,000	18,670	7,680	19,810	5,840	13,330	17,410	18,320	7,890	NS	NS	26,170	20,470	17,380	19,740
Turbidity (NTU)(field)	NR	NR	NR	NR	NR	NR	NR	NR	12.73	18.38	>200	NS	NS	32.2	14.7	41.6	18.6

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AMERICAN CANYON SANITARY LANDFILL
GROUNDWATER MONITORING HISTORICAL SUMMARY[1]
MONITORING PARAMETERS

Units: mg/l, unless noted

Sample Description	G-6AR	G-6AR	G-6AR	G-6AR	G-6AR	G-6AR	G-6AR	G-6AR	G-7	G-7	G-7	G-7	G-7	G-7	G-7	G-7	G-7
Sampling Date	01/06/00	05/09/00	05/09/00	11/10/00	01/25/01	04/19/01	07/26/01	10/24/01	01/09/90	04/23/90	07/05/90	10/03/90	12/07/90	01/04/91	04/25/91	07/02/91	10/08/91
Semivolatile Organic Compounds (ug/l) (EPA Method 8270)																	
4-Chloroaniline	NR	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND
Acenaphthylene	NR	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND
Butylbenzylphthalate	NR	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND
N-Nitrosodiphenylamine	NR	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
2,6-Dinitrotoluene	NR	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
2-Chloronaphthalene	NR	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Phenanthrene	NR	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Di-n-butylphthalate	NR	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
bis(2-ethylhexyl) phthalate	NR	NR	NR	NR	NR	NR	trace	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND
2,4-dimethylphenol	NR	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND
Naphthalene	NR	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND
2-methylnaphthalene	NR	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND
Acenaphthene	NR	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND
Dibenzofuran	NR	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Fluorene	NR	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Anthracene	NR	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Fluoranthene	NR	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Pyrene	NR	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Benzoic Acid	NR	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Diethyl phthalate	NR	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
2-Methyl phenol	NR	NR	NR	NR	NR	NR	2.6	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
3,4-Methyl phenol	NR	NR	NR	NR	NR	NR	3.2	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Metals																	
Arsenic, Dissolved	<0.05	<0.032	<0.00164	0.039	<0.0082	<0.007	<0.003	0.032	NR	NR	NR	NR	NR	NR	0.014	0.007	0.01
Cadmium, Dissolved	<0.003	<0.00542	<0.00542	<0.00542	<0.00542	<0.04	<0.004	<0.2	NR	NR	NR	NR	NR	NR	NR	NR	NR
Chromium, Total Dissolved	<0.004	<0.00599	<0.00599	<0.00599	<0.00599	trace	0.06	<0.2	NR	NR	NR	NR	NR	NR	<0.005	<0.005	<0.005
Copper, Dissolved	<0.002	<0.00446	<0.00446	trace	<0.00446	<0.03	<0.2	<0.2	NR	NR	NR	NR	NR	NR	<0.01	<0.01	<0.010
Lead, Dissolved	<0.05	<0.00164	<0.00164	<0.00164	<0.00164	<0.004	<0.002	<0.0005	NR	NR	NR	NR	NR	NR	<0.002	<0.002	0.002
Nickel, Dissolved	<0.02	<0.00455	<0.00455	<0.00455	<0.00455	<0.03	<0.003	<0.2	NR	NR	NR	NR	0.01	NR	<0.02	<0.02	<0.020
Inorganic Parameters																	
Total Dissolved Solids	13,000	11,000	15,000	13,000	13,000	14,600	14,000	146,006	14,000	15,000	14,000	16,000	NR	15,000	14,000	16,000	14,000
pH (std. units) (field)	7.06	6.94	7.25	9.01	6.61	6.90	6.90	6.32	16900.00	6.77	6.42	6.22	NR	6.81	6.86	6.86	7.40
Electrical Conductivity (umhos/cm) (field)	20,810	18,800	21,270	16,070	19,420	22,740	22,740	34,000	6	>20,000	11,710	11,120	NR	15,580	19,020	16,700	>20,000
Turbidity (NTU)(field)	160.7	68.3	NR	17.6	74.7	5.38	8.46	36.9	22.1	NR	NR	NR	NR	NR	NR	NR	NR

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AMERICAN CANYON SANITARY LANDFILL
GROUNDWATER MONITORING HISTORICAL SUMMARY[1]
MONITORING PARAMETERS

Units: mg/l, unless noted

Sample Description	G-7	G-7	G-7	G-7	G-7	G-7	G-7	G-7	G-7	G-7	G-7	G-7	G-7	G-7	G-7	G-7	G-7
Sampling Date	01/06/92	04/07/92	07/24/92	10/13/92	01/05/93	04/28/93	07/08/93	12/01/93	02/08/94	04/06/94	08/30/94	10/26/94	01/19/95	04/18/95	07/13/95	10/31/95	01/04/96
Semivolatile Organic Compounds (ug/l) (EPA Method 8270)																	
4-Chloroaniline	ND	ND	ND	NR	NR	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR	ND
Acenaphthylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR	ND
Butylbenzylphthalate	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR	ND
N-Nitrosodiphenylamine	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
2,6-Dinitrotoluene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
2-Chloronaphthalene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Phenanthrene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Di-n-butylphthalate	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND
bis(2-ethylhexyl) phthalate	ND	ND	ND	13	<5	28	<5	<2	<2	<2	<10	NR	NR	NR	NR	NR	<3
2,4-dimethylphenol	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR	ND
Naphthalene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR	ND
2-methylnaphthalene	ND	ND	ND	NR	NR	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR	ND
Acenaphthene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR	ND
Dibenzofuran	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND
Fluorene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Anthracene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Fluoranthene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Pyrene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Benzoic Acid	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Diethyl phthalate	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
2-Methyl phenol	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
3,4-Methyl phenol	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Metals																	
Arsenic, Dissolved	0.012	0.008	0.01	0.007	0.01	<0.01	<0.01	0.011	0.011	0.011	0.01	0.011	0.01	0.012	trace	0.008	0.008
Cadmium, Dissolved	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	0.004	<0.002	0.003	<0.005	NR	<0.003
Chromium, Total Dissolved	<0.005	<0.01	<0.01	<0.01	<0.015	<0.01	<0.005	<0.01	<0.01	<0.01	<0.005	<0.002	<0.003	<0.01	<0.01	<0.005	<0.005
Copper, Dissolved	0.01	<0.01	<0.01	<0.01	<0.010	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	trace	<0.004	<0.002	<0.001	NR	<0.01
Lead, Dissolved	0.003	<0.002	<0.002	0.002	0.004	<0.002	<0.002	<0.005	<0.005	<0.005	<0.002	<0.001	<0.001	<0.001	<0.001	NR	<0.001
Nickel, Dissolved	<0.020	<0.02	<0.02	<0.02	<0.020	<0.02	<0.02	<0.05	<0.05	<0.05	<0.02	<0.007	<0.013	<0.011	<0.019	NR	<0.02
Inorganic Parameters																	
Total Dissolved Solids	15,000	15,000	15,000	16,000	15,000	15,000	15,000	14,900	15,200	15,200	17,000	NR	NR	14,000	15,000	16,000	14,000
pH (std. units) (field)	6.61	6.92	6.99	7.27	6.87	6.87	6.26	6.78	6.80	6.88	7.06	6.95	6.32	6.79	6.70	6.58	6.54
Electrical Conductivity (umhos/cm) (field)	13,440	14,600	8,920	9,160	19,310	>20,000	>20,000	1,841	16,520	13,840	9,980	>20,000	>20,000	>20,000	18,570	>20,000	>20,000
Turbidity (NTU)(field)	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR

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AMERICAN CANYON SANITARY LANDFILL
GROUNDWATER MONITORING HISTORICAL SUMMARY[1]
MONITORING PARAMETERS

Units: mg/l, unless noted

Sample Description	G-7	G-7	G-7	G-7	G-7	G-7	G-7	G-7	G-7	G-7	G-7	G-7	G-7	G-7	G-7	G-7	G-7
Sampling Date	04/11/96	07/24/96	10/21/96	01/06/97	04/16/97	07/17/97	10/09/97	01/13/98	03/04/98	04/08/98	07/07/98	10/06/98	01/07/99	04/07/99	07/08/99	10/06/98	01/07/99
Semivolatile Organic Compounds (ug/l)																	
(EPA Method 8270)																	
4-Chloroaniline	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Acenaphthylene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Butylbenzylphthalate	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
N-Nitrosodiphenylamine	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
2,6-Dinitrotoluene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
2-Chloronaphthalene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Phenanthrene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Di-n-butylphthalate	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
bis(2-ethylhexyl) phthalate	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
2,4-dimethylphenol	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Naphthalene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
2-methylnaphthalene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Acenaphthene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Dibenzofuran	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Fluorene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Anthracene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Fluoranthene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Pyrene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Benzoic Acid	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Diethyl phthalate	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
2-Methyl phenol	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
3,4-Methyl phenol	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Metals																	
Arsenic, Dissolved	0.01	0.0093	0.011	0.007	0.011	trace	trace	trace	NR	0.0079	0.0061	0.014	<0.014	<0.06	<0.06	0.014	<0.014
Cadmium, Dissolved	NR	NR	NR	NR	NR	trace	<0.00012	trace	NR	trace	trace	<0.028**	<0.028	<0.01	<0.003	<0.028**	<0.028
Chromium, Total Dissolved	<0.005	<0.018**	<0.018**	<0.009	<0.0081	trace	trace	trace	NR	trace	trace	<0.022**	<0.022	<0.004	<0.004	<0.022**	<0.022
Copper, Dissolved	NR	NR	NR	NR	NR	trace	trace	0.037	NR	trace	<0.049**	<0.025**	<0.049	<0.002	<0.002	<0.025**	<0.049
Lead, Dissolved	NR	NR	NR	NR	NR	<0.00075	trace	<0.00075	NR	<0.0020	0.014	trace	trace	<0.04	0.064	trace	trace
Nickel, Dissolved	NR	NR	NR	NR	NR	trace	trace	trace	NR	<0.0033	<0.011**	<0.022**	<0.022	<0.02	<0.02	<0.022**	<0.022
Inorganic Parameters																	
Total Dissolved Solids	NR	NR	NR	NR	NR	13,800	13,800	14,500	NR	10,200	12,700	14,400	14,100	14,000	13,000	14,400	14,100
pH (std. units) (field)	6.59	6.82	6.21	6.80	6.98	6.91	6.92	6.91	7.14	7.31	6.96	7.01	7.20	7.02	7.04	7.01	7.20
Electrical Conductivity (umhos/cm) (field)	>20,000	12,070	>20,000	10,850	>20,000	>20,000	>20,000	18,000	9,010	13,310	70,300	22,570	24,030	23,540	22,390	22,570	24,030
Turbidity (NTU)(field)	NR	NR	NR	NR	NR	2.98	13.64	30.2	NR	NR	>200	>200	34.5	12.96	34.4	>200	34.5

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AMERICAN CANYON SANITARY LANDFILL
GROUNDWATER MONITORING HISTORICAL SUMMARY[1]
MONITORING PARAMETERS

Units: mg/l, unless noted

Sample Description	G-7	G-7	G-7	G-7	G-7	G-7	G-7	G-7	G-7	G-7	G-7	G-7	G-7	G-7	G-7	G-7	G-7
Sampling Date	04/07/99	07/08/99	10/13/99	01/06/00	05/10/00	07/13/00	11/07/00	01/23/01	04/19/01	07/26/01	10/23/01	02/08/02	04/03/02	07/10/02	10/09/02	01/08/03	04/08/03
Semivolatile Organic Compounds (ug/l) (EPA Method 8270)																	
4-Chloroaniline	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR
Acenaphthylene	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR
Butylbenzylphthalate	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR
N-Nitrosodiphenylamine	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR
2,6-Dinitrotoluene	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR
2-Chloronaphthalene	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR
Phenanthrene	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR
Di-n-butylphthalate	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR
bis(2-ethylhexyl) phthalate	NR	NR	NR	NR	NR	NR	NR	NR	NR	trace	NR	NR	NR	NR	NR	NR	NR
2,4-dimethylphenol	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR
Naphthalene	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR
2-methylnaphthalene	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR
Acenaphthene	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR
Dibenzofuran	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR
Fluorene	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR
Anthracene	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR
Fluoranthene	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR
Pyrene	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR
Benzoic Acid	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR
Diethyl phthalate	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR
2-Methyl phenol	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR
3,4-Methyl phenol	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR
Metals																	
Arsenic, Dissolved	<0.06	<0.06	<0.05	<0.05	<0.032	0.0095	0.093	<0.0082	<0.007	0.005	0.04	0.032	0.022	0.056	0.037	0.029	0.043
Cadmium, Dissolved	<0.01	<0.003	<0.003	<0.003	<0.00542	<0.00542	<0.00542	<0.00542	<0.04	<0.004	<0.2	<0.04	<0.08	<0.04	<0.08	<0.08	trace
Chromium, Total Dissolved	<0.004	<0.004	<0.004	<0.004	<0.00599	<0.00599	<0.00599	<0.00599	trace	0.03	<0.2	<0.04	<0.07	<0.04	<0.07	<0.07	trace
Copper, Dissolved	<0.002	<0.002	<0.002	<0.002	<0.00446	<0.00446	<0.00446	<0.00446	<0.03	<0.2	<0.2	<0.03	<0.1	<0.05	0.04	0.089	0.073
Lead, Dissolved	<0.04	0.064	<0.04	<0.05	<0.00164	<0.00164	<0.00164	<0.00164	<0.004	trace	<0.00055	<0.0001	<0.00025	trace	<0.00025	<0.00049	<0.00049
Nickel, Dissolved	<0.02	<0.02	<0.02	<0.02	<0.00455	<0.00455	<0.00455	<0.00455	<0.03	<0.003	0.2	trace	<0.09	<0.05	<0.09	<0.09	<0.09
Inorganic Parameters																	
Total Dissolved Solids	14,000	13,000	7,700	14,000	12,000	15,000	12,000	13,000	11,200	14,400	14,000	10,700	14,500	13,500	15,400	15,200	15,800
pH (std. units) (field)	7.02	7.04	6.92	6.79	6.93	7.07	7.84	6.93	8.14	8.14	6.38	6.88	6.84	6.96	6.81	6.96	8.14
Electrical Conductivity (umhos/cm) (field)	23,540	22,390	22,560	22,950	20,050	22,110	15,690	19,080	23,440	23,440	19,900	8,170	15,910	9,170	17,700	21,860	22,440
Turbidity (NTU)(field)	12.96	34.4	12.72	34.8	32.6	NR	19.6	112.1	57.6	0.56	18.47	41.7	19.7	25.4	14.9	97.6	18.12

[1] Only data from 1990 to present is presented here; however pre-1990 data is available upon request.
[2] This analytical result appears to be anomalous and therefore was not used in statistical evaluation procedures.
[3] Because this constituent was detected in the method blank during laboratory QA/QC, this quarter's data was not included in the statistical evaluation.
[4] This field measurement is presented here for informational purposes only.
* The analytical results of this duplicate sample were not used in the statistical analysis.
** This result was revised during the first quarter 1999 to correct a laboratory reporting error.
ND = Not Detected. Detection limits are provided only for constituents that have been detected above the MDL at least once.
NR = Not Required
NS = Not Sampled

AMERICAN CANYON SANITARY LANDFILL
GROUNDWATER MONITORING HISTORICAL SUMMARY[1]
MONITORING PARAMETERS

Units: mg/l, unless noted

Sample Description	G-7	G-7	G-7	G-7	G-7	G-7	G-7	G-8	G-8	G-8	G-8	G-8	G-8	G-8	G-8	G-8	G-8
Sampling Date	07/08/03	10/08/03	01/07/04	04/13/04	07/13/04	10/05/04	01/11/05	01/09/90	04/24/90	07/06/90	10/03/90	12/07/90	01/03/91	04/25/91	06/24/91	06/24/91	07/02/91
Semivolatile Organic Compounds (ug/l) (EPA Method 8270)																	
4-Chloroaniline	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	5	<25	NR	<5
Acenaphthylene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	9	<25	NR	<5
Butylbenzylphthalate	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	NR	ND
N-Nitrosodiphenylamine	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
2,6-Dinitrotoluene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
2-Chloronaphthalene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Phenanthrene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Di-n-butylphthalate	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
bis(2-ethylhexyl) phthalate	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	NR	ND
2,4-dimethylphenol	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	9	<25	NR	9
Naphthalene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	NR	22
2-methylnaphthalene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	NR	6
Acenaphthene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	NR	8
Dibenzofuran	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Fluorene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Anthracene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Fluoranthene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Pyrene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Benzoic Acid	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Diethyl phthalate	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
2-Methyl phenol	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
3,4-Methyl phenol	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Metals																	
Arsenic, Dissolved	0.034	0.035	0.023	0.043	0.04	0.041	0.02	NR	NR	NR	NR	NR	NR	0.015	NR	NR	0.016
Cadmium, Dissolved	<0.0006	<0.019	<0.006	<0.0095	<0.003	<0.014	<0.027	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Chromium, Total Dissolved	trace	trace	trace	trace	trace	<0.014	0.004	NR	NR	NR	NR	NR	NR	0.08	NR	NR	0.092
Copper, Dissolved	trace	<0.013	trace	<0.0063	trace	<0.016	<0.0041	NR	NR	NR	NR	NR	NR	<0.01	NR	NR	<0.01
Lead, Dissolved	<0.000055	trace	<0.000055	<0.00027	<0.00014	<0.00014	<0.00014	NR	NR	NR	NR	NR	NR	<0.002	NR	NR	<0.002
Nickel, Dissolved	trace	<0.0072	<0.0095	trace	<0.011	<0.005	<0.011	NR	NR	NR	NR	0.028	NR	<0.02	NR	NR	<0.02
Inorganic Parameters																	
Total Dissolved Solids	15,000	14,200	28,900	14,200	11,800	18,400	6,350	14,000	17,000	16,000	19,000	NR	17,000	17,000	NR	NR	17,000
pH (std. units) (field)	6.95	7.20	7.02	7.10	6.72	6.96	6.81	6.95	6.86	6.49	6.42	NR	6.88	6.61	6.75	NR	6.70
Electrical Conductivity (umhos/cm) (field)	2,320	23,890	23,960	23,800	23,840	23,300	25,730	>20,000	>20,000	15,560	15,080	NR	16,140	>20,000	>20,000	NR	>20,000
Turbidity (NTU)(field)	38.5	33.4	80.6	18.6	23.9	38.7	19.7	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR

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AMERICAN CANYON SANITARY LANDFILL
GROUNDWATER MONITORING HISTORICAL SUMMARY[1]
MONITORING PARAMETERS

Units: mg/l, unless noted

Sample Description	G-8	G-8	G-8	G-8	G-8	G-8	G-8	G-8	G-8	G-8	G-8	G-8	G-8	G-8	G-8	G-8	G-8
Sampling Date	10/09/91	01/07/92	04/07/92	07/24/92	10/26/92	01/06/93	04/28/93	07/09/93	11/30/93	02/09/94	04/07/94	08/30/94	10/25/94	01/18/95	04/17/95	07/13/95	10/31/95
Semivolatile Organic Compounds (ug/l)																	
(EPA Method 8270)																	
4-Chloroaniline	<5	<5	<25	<5	NR	NR	<10	<5	<8	<2	<4	NR	NR	NR	NR	NR	NR
Acenaphthylene	<5	<5	<25	<5	8	<5	<10	<5	<8	<2	<4	<10	NR	NR	NR	NR	NR
Butylbenzylphthalate	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR
N-Nitrosodiphenylamine	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
2,6-Dinitrotoluene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
2-Chloronaphthalene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Phenanthrene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Di-n-butylphthalate	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
bis(2-ethylhexyl) phthalate	ND	ND	ND	ND	ND	7	<10	<5	<8	<2	<4	<10	NR	NR	NR	NR	NR
2,4-dimethylphenol	9	8	<25	10	8	9	<10	7	<8	8.0	5.2	<10	NR	NR	NR	NR	NR
Naphthalene	24	27	31	25	17	19	25	16	21	17	16	29	NR	NR	NR	NR	NR
2-methylnaphthalene	9	9	<25	<5	NR	NR	<10	<5	<8	5.9	4.8	<10	NR	NR	NR	NR	NR
Acenaphthene	10	9	<25	9	<5	8	<10	<5	<8	6.1	6.7	12	NR	NR	NR	NR	NR
Dibenzofuran	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Fluorene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Anthracene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Fluoranthene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Pyrene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Benzoic Acid	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Diethyl phthalate	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
2-Methyl phenol	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
3,4-Methyl phenol	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Metals																	
Arsenic, Dissolved	0.012	0.016	0.005	0.014	0.012	0.013	<0.01	0.01	0.009	0.0064	0.0078	0.012	0.016	0.014	0.018	trace	<0.002
Cadmium, Dissolved	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	<0.002	<0.002	<0.003	<0.005	NR
Chromium, Total Dissolved	0.062	0.062	0.058	0.045	0.052	0.038	0.035	0.034	0.049	0.037	0.042	0.058	0.062	0.059	0.068	<0.01	0.06
Copper, Dissolved	<0.010	<0.010	<0.01	<0.01	<0.01	<0.010	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	trace	<0.004	<0.002	<0.001	NR
Lead, Dissolved	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.005	<0.005	<0.005	<0.002	<0.001	<0.001	<0.001	<0.001	NR
Nickel, Dissolved	<0.020	<0.020	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.05	<0.05	<0.05	<0.02	trace	<0.013	<0.011	<0.019	NR
Inorganic Parameters																	
Total Dissolved Solids	18,000	19,000	18,000	19,000	19,000	20,000	17,000	20,000	18,400	20,000	19,400	20,000	NR	NR	20,000	15,000	13,000
pH (std. units) (field)	7.10	6.78	6.73	6.94	6.78	6.68	6.77	6.70	6.64	6.79	7.20	6.89	7.08	6.63	6.76	6.54	5.53
Electrical Conductivity (umhos/cm) (field)	15,810	15,370	20,000	10,550	12,250	>20,000	>20,000	>20,000	>20,000	18,310	14,490	12,260	>20,000	>20,000	>20,000	>20,000	>20,000
Turbidity (NTU)(field)	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR

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AMERICAN CANYON SANITARY LANDFILL
GROUNDWATER MONITORING HISTORICAL SUMMARY[1]
MONITORING PARAMETERS

Units: mg/l, unless noted

Sample Description	G-8	G-8	G-8	G-8	G-8	G-8	G-8	G-8	G-8	G-8	G-8	G-8	G-8	G-8	G-8	G-8	G-8
Sampling Date	01/02/96	04/10/96	07/25/96	10/21/96	01/06/97	04/15/97	07/15/97	10/08/97	01/12/98	03/04/98	04/07/98	07/07/98	10/07/98	01/06/99	04/07/99	07/07/99	10/13/99
Semivolatile Organic Compounds (ug/l)																	
(EPA Method 8270)																	
4-Chloroaniline	<3	NR	NR	NR	NR	NR	<5.0	NR	<5.0	NR	NR	<2.2**	<2.20**	NR	NR	<2	NR
Acenaphthylene	<3	NR	NR	NR	NR	NR	<3.5	NR	<3.5	NR	NR	<2.68**	<2.68**	NR	NR	<0.5	NR
Butylbenzylphthalate	ND	NR	NR	NR	NR	NR	ND	NR	ND	NR	NR	ND	ND	NR	NR	ND	NR
N-Nitrosodiphenylamine	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR
2,6-Dinitrotoluene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR
2-Chloronaphthalene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR
Phenanthrene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	trace	<2.25**	NR	NR	trace	NR
Di-n-butylphthalate	ND	NR	NR	NR	NR	NR	ND	NR	ND	NR	NR	NR	NR	NR	NR	trace	NR
bis(2-ethylhexyl) phthalate	<3	NR	NR	NR	NR	NR	trace	NR	<6.9	NR	NR	<3.37**	trace	NR	NR	trace	NR
2,4-dimethylphenol	trace	NR	NR	NR	NR	NR	<6.8	NR	<6.8	NR	NR	<1.74**	trace	NR	NR	trace	NR
Naphthalene	29	NR	NR	NR	NR	NR	<1.6	NR	<1.6	NR	NR	30	26	NR	NR	trace	NR
2-methylnaphthalene	trace	NR	NR	NR	NR	NR	trace	NR	trace	NR	NR	12	trace	NR	NR	trace	NR
Acenaphthene	trace	NR	NR	NR	NR	NR	trace	NR	trace	NR	NR	trace	trace	NR	NR	trace	NR
Dibenzofuran	ND	NR	NR	NR	NR	NR	ND	NR	ND	NR	NR	ND	trace	NR	NR	trace	NR
Fluorene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	trace	<2.01**	NR	NR	trace	NR
Anthracene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	NR	NR	ND	NR
Fluoranthene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	NR	NR	ND	NR
Pyrene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	NR	NR	ND	NR
Benzoic Acid	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	NR	NR	ND	NR
Diethyl phthalate	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	NR	NR	ND	NR
2-Methyl phenol	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	NR	NR	ND	NR
3,4-Methyl phenol	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	NR	NR	ND	NR
Metals																	
Arsenic, Dissolved	<0.004	trace	0.0046	0.0067	0.007	0.017	0.023	0.015	trace	NR	0.014	0.005	0.02	<0.014	<0.06	<0.06	<0.5
Cadmium, Dissolved	<0.003	NR	NR	NR	NR	NR	trace	<0.00012	0.006	<0.01	<0.00086	<0.00005	<0.028**	<0.028	<0.01	<0.003	<0.03
Chromium, Total Dissolved	0.07	0.05	0.042	0.051	0.066	0.052	0.085	0.062	0.18	0.08	0.10	0.118	0.052	0.074	0.05	0.06	<0.04
Copper, Dissolved	<0.01	NR	NR	NR	NR	NR	<0.00065	trace	0.044	NR	0.021	<0.049**	<0.025**	<0.049	<0.002	<0.002	<0.02
Lead, Dissolved	<0.001	NR	NR	NR	NR	NR	<0.00075	<0.0020	<0.00075	NR	<0.0020	<0.0014**	<0.0014**	<0.0066	<0.04	0.058	<0.4
Nickel, Dissolved	trace	NR	NR	NR	NR	NR	trace	trace	trace	NR	trace	0.029	trace	<0.022	trace	<0.02	<0.2
Inorganic Parameters																	
Total Dissolved Solids	22,000	NR	NR	NR	NR	NR	17,700	18,800	18,000	NR	18,200	19,300	21,100	18,200	20,000	17,000	9,700
pH (std. units) (field)	6.73	6.59	6.91	6.25	6.89	6.90	6.97	6.91	6.98	6.92	7.22	7.09	7.00	7.11	7.19	9.05	6.76
Electrical Conductivity (umhos/cm) (field)	>20,000	>20,000	13,390	>20,000	14,250	>20,000	>20,000	>20,000	>20,000	18,870	>20,000	30,200	30,100	30,430	29,430	28,520	28,840
Turbidity (NTU)(field)	NR	NR	NR	NR	NR	NR	28.2	>200	>200	NR	NR	>200	9.7	22.4	30.2	60.6	10.31

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AMERICAN CANYON SANITARY LANDFILL
GROUNDWATER MONITORING HISTORICAL SUMMARY[1]
MONITORING PARAMETERS

Units: mg/l, unless noted

Sample Description	G-8	G-8	G-8	G-8	G-8	G-8	G-8	G-8	G-8	G-8	G-8	G-8	G-8	G-8	G-8	G-8	G-8
Sampling Date	01/05/00	05/09/00	07/13/00	11/07/00	01/23/01	04/17/01	07/25/01	10/23/01	01/10/02	04/03/02	07/09/02	10/10/02	01/08/03	04/09/03	07/08/03	10/08/03	01/08/04
Semivolatile Organic Compounds (ug/l) (EPA Method 8270)																	
4-Chloroaniline	<2	NR	<7.53	NR	<7.53	NR	<0.86	NR	<0.86	NR	<0.25	NR	<0.47	NR	<0.24	NR	<0.4
Acenaphthylene	<0.5	NR	<2.75	NR	<2.75	NR	<0.56	NR	8.7	NR	<0.29	NR	<0.29	NR	<0.28	NR	<0.25
Butylbenzylphthalate	ND	NR	ND	NR	ND	NR	ND	NR	ND	NR	ND	NR	ND	NR	ND	NR	ND
N-Nitrosodiphenylamine	ND	NR	ND	NR	ND	NR	ND	NR	ND	NR	ND	NR	ND	NR	ND	NR	ND
2,6-Dinitrotoluene	ND	NR	ND	NR	ND	NR	ND	NR	ND	NR	ND	NR	ND	NR	ND	NR	ND
2-Chloronaphthalene	ND	NR	ND	NR	ND	NR	ND	NR	ND	NR	ND	NR	ND	NR	ND	NR	ND
Phenanthrene	<0.3	NR	<1.16	NR	<1.16	NR	trace	NR	2.4	NR	trace	NR	trace	NR	trace	NR	trace
Di-n-butylphthalate	<0.4	NR	<1.66	NR	<1.66	NR	<0.33	NR	<0.33	NR	<0.35	NR	<0.23	NR	<0.34	NR	<0.19
bis(2-ethylhexyl) phthalate	trace	NR	12	NR	<1.38	NR	trace	NR	5.5	NR	trace	NR	6.3	NR	<0.70	NR	trace
2,4-dimethylphenol	<0.3	NR	<5.60	NR	<5.60	NR	12	NR	9.6	NR	<0.29	NR	9.6	NR	<0.28	NR	8.8
Naphthalene	<0.6	NR	28	NR	22	NR	12	NR	37	NR	3.5	NR	33	NR	trace	NR	24
2-methylnaphthalene	<0.6	NR	<6.32	NR	trace	NR	6.5	NR	14	NR	trace	NR	11	NR	<0.31	NR	10
Acenaphthene	<0.5	NR	<1.92	NR	trace	NR	11	NR	<0.95	NR	5.3	NR	9.3	NR	3.4	NR	6.8
Dibenzofuran	<0.5	NR	<1.98	NR	trace	NR	2.4	NR	3.5	NR	trace	NR	3.1	NR	<0.28	NR	2.7
Fluorene	<0.5	NR	<2.09	NR	<2.09	NR	trace	NR	trace	NR	trace	NR	trace	NR	trace	NR	trace
Anthracene	ND	NR	ND	NR	ND	NR	trace	NR	<1.1	NR	<0.27	NR	<0.33	NR	<0.26	NR	trace
Fluoranthene	ND	NR	ND	NR	ND	NR	trace	NR	<1.1	NR	<0.26	NR	<0.34	NR	<0.25	NR	<0.29
Pyrene	ND	NR	ND	NR	ND	NR	trace	NR	<0.89	NR	<0.34	NR	<0.65	NR	NR	NR	NR
Benzoic Acid	ND	NR	ND	NR	ND	NR	ND	NR	ND	NR	ND	NR	ND	NR	ND	NR	ND
Diethyl phthalate	ND	NR	ND	NR	ND	NR	ND	NR	ND	NR	ND	NR	ND	NR	ND	NR	ND
2-Methyl phenol	ND	NR	ND	NR	ND	NR	ND	NR	ND	NR	ND	NR	ND	NR	ND	NR	ND
3,4-Methyl phenol	ND	NR	ND	NR	ND	NR	ND	NR	ND	NR	ND	NR	ND	NR	ND	NR	ND
Metals																	
Arsenic, Dissolved	<0.05	<0.032	<0.0082	0.085	<0.0082	<0.02	0.01	0.01	0.01	0.044	0.076	0.076	0.059	0.066	0.046	0.063	0.046
Cadmium, Dissolved	<0.003	<0.00542	<0.00542	<0.00542	<0.00542	<0.07	0.01	0.01	<0.07	<0.08	<0.04	<0.08	<0.08	<0.08	<0.0006	<0.019	<0.006
Chromium, Total Dissolved	0.06	0.01	0.050	0.034	0.030	trace	0.1	0.1	trace	trace	<0.04	<0.07	<0.07	trace	0.039	trace	trace
Copper, Dissolved	<0.002	<0.00446	<0.00446	<0.00446	<0.00446	<0.05	<0.2	<0.2	<0.05	<0.1	<0.05	0.056	0.11	0.096	trace	<0.013	trace
Lead, Dissolved	<0.05	<0.00164	<0.00164	<0.00164	<0.00164	<0.008	<0.004	<0.004	<0.005	<0.00025	trace	<0.00049	<0.0049	<0.00049	<0.000055	<0.000055	trace
Nickel, Dissolved	<0.02	<0.00455	<0.00455	<0.00455	<0.00455	<0.05	0.06	0.06	trace	<0.09	<0.05	<0.09	<0.09	<0.09	trace	trace	trace
Inorganic Parameters																	
Total Dissolved Solids	19,000	16,000	19,000	16,000	17,000	18,000	17,800	17,800	17,800	19,100	19,600	19,900	20,000	19,600	19,000	19,800	19,500
pH (std. units) (field)	6.69	6.91	6.63	8.02	6.60	6.58	6.58	6.58	6.67	6.79	7.03	6.84	6.71	7.49	6.74	6.88	6.86
Electrical Conductivity (umhos/cm) (field)	29,100	24,640	28,700	18,470	>20,000	29,950	29,950	29,950	26,100	>20,000	12,070	25,400	25,410	26,490	29,010	31,740	30,120
Turbidity (NTU)(field)	62.7	72.8	NR	15.7	91.7	13.4	12.45	12.45	9.48	36.1	37.1	39.6	NR	42.8	22.1	24.3	36.9

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AMERICAN CANYON SANITARY LANDFILL
GROUNDWATER MONITORING HISTORICAL SUMMARY[1]
MONITORING PARAMETERS

Units: mg/l, unless noted

Sample Description	G-8	G-8	G-8	G-8	G-9	G-9	G-9	G-9	G-9	G-9	G-9	G-9	G-9	G-9	G-9	G-9	G-9
Sampling Date	04/13/04	07/15/04	10/05/04	01/12/05	01/09/90	04/24/90	07/05/90	10/03/90	12/07/90	01/03/91	04/25/91	07/02/91	10/09/91	01/07/92	04/07/92	07/24/92	10/13/92
Semivolatile Organic Compounds (ug/l) (EPA Method 8270)																	
4-Chloroaniline	NR	<0.4	NR	<0.4	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	NR
Acenaphthylene	NR	<0.25	NR	<0.25	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND
Butylbenzylphthalate	NR	ND	NR	ND	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND
N-Nitrosodiphenylamine	NR	ND	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
2,6-Dinitrotoluene	NR	ND	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
2-Chloronaphthalene	NR	trace	NR	<2.4	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Phenanthrene	NR	<0.29	NR	<0.29	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Di-n-butylphthalate	NR	<0.19	NR	<0.19	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
bis(2-ethylhexyl) phthalate	NR	22	NR	<3	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	5	<5
2,4-dimethylphenol	NR	<0.55	NR	<0.55	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND
Naphthalene	NR	<0.28	NR	<0.28	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND
2-methylnaphthalene	NR	<0.38	NR	<0.38	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	NR
Acenaphthene	NR	<0.25	NR	<0.25	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	NR	<0.23	NR	<0.23	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Fluorene	NR	<0.26	NR	<0.26	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Anthracene	NR	<0.26	NR	<0.26	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Fluoranthene	NR	<0.29	NR	<0.29	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Pyrene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Benzoic Acid	NR	trace	NR	<14	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Diethyl phthalate	NR	ND	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
2-Methyl phenol	NR	ND	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
3,4-Methyl phenol	NR	ND	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Metals																	
Arsenic, Dissolved	0.072	0.062	0.063	0.067	NR	NR	NR	NR	NR	NR	0.034	0.025	0.056	0.062	0.02	0.079	0.084
Cadmium, Dissolved	<0.0095	<0.007	<0.014	<0.027	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Chromium, Total Dissolved	trace	trace	0.034	0.005	NR	NR	NR	NR	NR	NR	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.005
Copper, Dissolved	<0.0063	<0.0076	<0.016	<0.0041	NR	NR	NR	NR	NR	NR	<0.01	<0.01	0.013	<0.010	<0.01	<0.01	<0.01
Lead, Dissolved	<0.00024	<0.00027	<0.00014	<0.00027	NR	NR	NR	NR	NR	NR	<0.002	<0.002	<0.002	0.002	0.002	<0.002	<0.002
Nickel, Dissolved	trace	trace	0.008	<0.011	NR	NR	NR	NR	0.007	NR	<0.02	<0.02	<0.020	<0.020	<0.02	<0.02	<0.02
Inorganic Parameters																	
Total Dissolved Solids	19,200	19,600	19,200	15,500	16,000	17,000	17,000	18,000	NR	17,000	18,000	19,000	18,000	17,000	16,000	16,000	16,000
pH (std. units) (field)	7.09	6.81	7.57	6.71	6.80	6.66	6.26	6.37	NR	6.78	6.67	6.67	7.59	6.84	6.87	7.14	6.87
Electrical Conductivity (umhos/cm) (field)	30,120	21,690	22,940	25,310	>20,000	667	14,240	13,120	NR	15,900	>20,000	17,290	14,090	13,570	19,090	9,630	9,510
Turbidity (NTU)(field)	51.7	168.9	58.7	78.9	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR

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AMERICAN CANYON SANITARY LANDFILL
GROUNDWATER MONITORING HISTORICAL SUMMARY[1]
MONITORING PARAMETERS

Units: mg/l, unless noted

Sample Description	G-9	G-9	G-9	G-9	G-9	G-9	G-9	G-9	G-9	G-9	G-9	G-9	G-9	G-9	G-9	G-9	G-9
Sampling Date	01/05/93	04/28/93	07/09/93	11/30/93	02/09/94	04/07/94	08/30/94	10/25/94	01/19/95	04/18/95	07/13/95	10/31/95	01/03/96	04/11/96	07/25/96	10/22/96	01/07/97
Semivolatile Organic Compounds (ug/l) (EPA Method 8270)																	
4-Chloroaniline	NR	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR
Acenaphthylene	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR
Butylbenzylphthalate	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR
N-Nitrosodiphenylamine	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
2,6-Dinitrotoluene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
2-Chloronaphthalene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Phenanthrene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Di-n-butylphthalate	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR
bis(2-ethylhexyl) phthalate	15	16	<5	4.9	2.2	2.8	<10	NR	NR	NR	NR	NR	<3	NR	NR	NR	NR
2,4-dimethylphenol	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR
Naphthalene	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR
2-methylnaphthalene	NR	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR
Acenaphthene	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR
Dibenzofuran	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR
Fluorene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Anthracene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Fluoranthene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Pyrene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Benzoic Acid	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Diethyl phthalate	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
2-Methyl phenol	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
3,4-Methyl phenol	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Metals																	
Arsenic, Dissolved	0.105	0.06	0.05	0.268	0.04	0.081	0.092	0.043	0.029	0.036	trace	0.014	0.01	0.024	0.015	0.021	NR
Cadmium, Dissolved	NR	NR	NR	NR	NR	NR	NR	0.003	0.006	<0.003	<0.005	NR	<0.003	NR	NR	NR	NR
Chromium, Total Dissolved	<0.015	<0.005	<0.005	<0.01	<0.01	<0.01	<0.005	<0.002	<0.004	<0.005	<0.01	<0.005	<0.005	<0.005	<0.018**	<0.018**	NR
Copper, Dissolved	<0.010	<0.01	<0.01	<0.01	<0.01	<0.01	<0.005	trace	<0.004	<0.002	trace	NR	<0.01	NR	NR	NR	NR
Lead, Dissolved	<0.002	<0.002	0.002	<0.005	<0.005	<0.005	<0.01	<0.001	<0.001	<0.001	<0.001	NR	trace	NR	NR	NR	NR
Nickel, Dissolved	<0.020	<0.02	<0.02	<0.05	<0.05	<0.05	<0.002	<0.007	<0.014	<0.011	<0.019	NR	trace	NR	NR	NR	NR
Inorganic Parameters																	
Total Dissolved Solids	17,000	17,000	17,000	15,900	16,600	16,400	17,000	NR	NR	14,000	16,000	6,600 [2]	17,000	NR	NR	NR	NR
pH (std. units) (field)	6.90	7.06	6.67	7.22	6.86	7.29	7.12	6.99	6.52	6.92	7.02	6.65	6.74	6.51	7.03	6.54	NR
Electrical Conductivity (umhos/cm) (field)	19,270	>20,000	>20,000	1,963	16,120	12,330	9,850	9,580	>20,000	>20,000	>20,000	>20,000	>20,000	>20,000	11,750	>20,000	NR
Turbidity (NTU)(field)	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR

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AMERICAN CANYON SANITARY LANDFILL
GROUNDWATER MONITORING HISTORICAL SUMMARY[1]
MONITORING PARAMETERS

Units: mg/l, unless noted

Sample Description	G-9	G-9	G-9	G-9	G-9	G-9	G-9	G-9	G-9	G-9	G-9	G-9	G-9	G-9	G-9	G-9	G-9
Sampling Date	04/16/97	07/17/97	10/08/97	01/13/98	04/07/98	10/07/98	01/06/99	04/07/99	07/08/99	10/13/99	01/05/00	05/09/00	07/13/00	11/10/00	01/25/01	04/17/01	10/24/01
Semivolatile Organic Compounds (ug/l) (EPA Method 8270)																	
4-Chloroaniline	NR	NR	NR	NR	NS	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Acenaphthylene	NR	NR	NR	NR	NS	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Butylbenzylphthalate	NR	NR	NR	NR	NS	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
N-Nitrosodiphenylamine	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
2,6-Dinitrotoluene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
2-Chloronaphthalene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Phenanthrene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Di-n-butylphthalate	NR	NR	NR	NR	NS	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
bis(2-ethylhexyl) phthalate	NR	NR	NR	NR	NS	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
2,4-dimethylphenol	NR	NR	NR	NR	NS	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Naphthalene	NR	NR	NR	NR	NS	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
2-methylnaphthalene	NR	NR	NR	NR	NS	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Acenaphthene	NR	NR	NR	NR	NS	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Dibenzofuran	NR	NR	NR	NR	NS	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Fluorene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Anthracene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Fluoranthene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Pyrene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Benzoic Acid	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Diethyl phthalate	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
2-Methyl phenol	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
3,4-Methyl phenol	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Metals																	
Arsenic, Dissolved	0.024	trace	trace	<0.0014	NS	0.018	<0.014	<0.06	<0.06	<0.05	<0.05	<0.032	0.012	0.041	<0.0082	<0.007	0.052
Cadmium, Dissolved	NR	trace	<0.00012	trace	NS	<0.028**	<0.028	<0.01	<0.003	<0.003	<0.003	<0.00542	<0.00542	<0.00542	<0.00542	<0.04	<0.2
Chromium, Total Dissolved	<0.0081	trace	trace	0.016	NS	<0.022**	<0.022	trace	<0.004	<0.004	trace	<0.00599	<0.00599	<0.00599	<0.00599	trace	<0.2
Copper, Dissolved	NR	trace	trace	0.03	NS	<0.025**	<0.049	<0.002	<0.002	<0.002	trace	<0.00446	<0.00446	<0.00446	<0.00446	<0.03	<0.2
Lead, Dissolved	NR	<0.00075	<0.0020	<0.00075	NS	trace	<0.0066	<0.04	<0.04	<0.04	<0.05	<0.00164	<0.00164	<0.00164	<0.00164	<0.004	<0.00055
Nickel, Dissolved	NR	trace	trace	trace	NS	<0.022**	<0.022	<0.02	<0.02	<0.02	<0.02	<0.00455	<0.00455	<0.00455	<0.00455	<0.03	<0.2
Inorganic Parameters																	
Total Dissolved Solids	NR	15,700	15,400	15,400	NS	16,600	16,000	18,000	15,000	17,000	16,000	14,000	17,000	15,000	15,000	16,900	25,700
pH (std. units) (field)	7.02	6.90	6.83	6.94	NS	6.92	7.10	7.35	9.34	6.96	6.71	6.81	6.64	8.82	6.47	6.67	6.21
Electrical Conductivity (umhos/cm) (field)	>20,000	>20,000	>20,000	>20,000	NS	24,750	26,360	25,400	24,600	24,660	25,220	23,870	24,170	15,740	17,900	25,690	33,900
Turbidity (NTU)(field)	NR	26.2	9.95	12.11	NS	12.1	32.3	9.82	24.2	3.03	32.6	12.42	NR	24.3	94.1	3.03	41.7

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AMERICAN CANYON SANITARY LANDFILL
GROUNDWATER MONITORING HISTORICAL SUMMARY[1]
MONITORING PARAMETERS

Units: mg/l, unless noted

Sample Description	G-10	G-10	G-10	G-10	G-10	G-10	G-10	G-10	G-10	G-10	G-10	G-10	G-10	G-10	G-10	G-10	G-10
Sampling Date	10/25/94	01/20/95	04/18/95	07/14/95	10/31/95	01/04/96	04/11/96	07/25/96	10/22/96	01/07/97	04/16/97	07/17/97	10/09/97	01/13/98	03/04/98	04/08/98	07/08/98
Semivolatile Organic Compounds (ug/l) (EPA Method 8270)																	
4-Chloroaniline	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Acenaphthylene	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Butylbenzylphthalate	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
N-Nitrosodiphenylamine	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
2,6-Dinitrotoluene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
2-Chloronaphthalene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Phenanthrene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Di-n-butylphthalate	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
bis(2-ethylhexyl) phthalate	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
2,4-dimethylphenol	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Naphthalene	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
2-methylnaphthalene	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Acenaphthene	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Dibenzofuran	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Fluorene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Anthracene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Fluoranthene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Pyrene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Benzoic Acid	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Diethyl phthalate	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
2-Methyl phenol	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
3,4-Methyl phenol	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Metals																	
Arsenic, Dissolved	0.015	0.014	0.026	trace	0.011	0.008	0.018	0.012	0.016	<0.0034**	0.015	trace	trace	trace	NR	0.0077	0.0032
Cadmium, Dissolved	trace	0.005	<0.003	<0.005	NR	<0.003	NR	NR	NR	NR	NR	0.037 [2]	trace	0.016	<0.01	<0.00086	trace
Chromium, Total Dissolved	<0.002	<0.003	<0.01	<0.01	<0.01	<0.02	<0.02	<0.018**	<0.018**	<0.018**	0.011	trace	0.027	0.06	0.01	0.020	0.0092
Copper, Dissolved	<0.004	<0.004	<0.004	trace	NR	<0.01	NR	NR	NR	NR	NR	<0.00065	trace	0.075	NR	0.029	<0.049**
Lead, Dissolved	<0.001	<0.001	trace	<0.001	NR	<0.001	NR	NR	NR	NR	NR	<0.00075	<0.0020	<0.00075	NR	<0.0020	<0.0014**
Nickel, Dissolved	0.038	0.028	0.197	0.036	NR	<0.04	NR	NR	NR	NR	NR	trace	0.049	trace	NR	0.13	<0.011**
Inorganic Parameters																	
Total Dissolved Solids	15,600	14,000	17,000	17,000	6,700	19,000	NR	NR	NR	NR	NR	18,400	18,100	8,620	NR	18,200	21,200
pH (std. units) (field)	6.81	6.21	6.21	6.99	5.58	5.69	6.07	5.72	5.62	5.84	5.90	5.91	6.14	6.23	6.31	6.37	5.95
Electrical Conductivity (umhos/cm) (field)	>20,000	>20,00	>20,000	>20,000	>20,000	>20,000	>20,000	10,450	>20,000	8,030	>20,000	>20,000	>20,000	18,750	14,530	17,890	25,460
Turbidity (NTU)(field)	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	83.4	>200	>200	NR	NR	>200

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AMERICAN CANYON SANITARY LANDFILL
GROUNDWATER MONITORING HISTORICAL SUMMARY[1]
MONITORING PARAMETERS

Units: mg/l, unless noted

Sample Description	G-10	G-10	G-10	G-10	G-10	G-10	G-10	G-10	G-10	G-10	G-10	G-10	G-10	G-10	G-10	G-10	G-10
Sampling Date	09/04/98	10/06/98	01/07/99	04/08/99	07/08/99	10/14/99	01/07/00	05/10/00	05/10/00	11/07/00	01/23/01	04/19/01	07/26/01	10/23/01	02/08/02	04/03/02	07/10/02
Semivolatile Organic Compounds (ug/l)																	
(EPA Method 8270)																	
4-Chloroaniline	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR
Acenaphthylene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR
Butylbenzylphthalate	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR
N-Nitrosodiphenylamine	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR
2,6-Dinitrotoluene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR
2-Chloronaphthalene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR
Phenanthrene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR
Di-n-butylphthalate	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR
bis(2-ethylhexyl) phthalate	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	trace	NR	NR	NR	NR
2,4-dimethylphenol	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR
Naphthalene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR
2-methylnaphthalene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR
Acenaphthene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR
Dibenzofuran	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR
Fluorene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR
Anthracene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR
Fluoranthene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR
Pyrene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR
Benzoic Acid	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	trace	NR	NR	NR	NR
Diethyl phthalate	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR
2-Methyl phenol	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	trace	NR	NR	NR	NR
3,4-Methyl phenol	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	trace	NR	NR	NR	NR
Metals																	
Arsenic, Dissolved	NR	0.012	trace	<0.06	<0.06	<0.5	<0.05	<0.032	0.021	0.130	trace	<0.007	<0.007	0.037	0.015	0.018	0.05
Cadmium, Dissolved	NR	<0.028**	<0.028	<0.01	<0.003	<0.03	<0.003	0.0078	<0.00542	<0.00542	trace	<0.04	trace	<0.2	<0.04	<0.08	<0.04
Chromium, Total Dissolved	NR	<0.022**	trace	0.01	<0.004	<0.04	0.01	<0.00599	<0.00599	<0.00599	<0.00599	trace	<0.004	trace	trace	<0.07	<0.04
Copper, Dissolved	NR	<0.025**	0.146	<0.002	<0.002	<0.02	trace	<0.00446	<0.00446	<0.00446	trace	<0.03	<0.2	<0.2	<0.03	<0.1	<0.05
Lead, Dissolved	NR	<0.0014**	trace	<0.04	<0.04	<0.4	<0.05	<0.00164	<0.00164	<0.00164	<0.00164	<0.004	<0.004	<0.00055	<0.00011	<0.00025	trace
Nickel, Dissolved	NR	<0.022**	trace	<0.02	<0.02	<0.2	<0.02	<0.00455	<0.00455	<0.00455	<0.00455	<0.03	<0.003	trace	<0.03	<0.09	trace
Inorganic Parameters																	
Total Dissolved Solids	NR	19,200	18,300	18,000	17,000	18,000	2,600	14,000	20,000	15,000	16,000	18,800	19,800	18,500	18,000	18,200	18,300
pH (std. units) (field)	6.19	6.11	6.75	6.08	6.59	6.82	6.08	6.23	6.11	8.03	6.60	5.84	5.84	6.36	6.80	6.71	6.94
Electrical Conductivity (umhos/cm) (field)	25,750	25,390	26,080	24,930	24,780	24,550	24,870	21,610	24,630	16,390	7,410	24,730	24,730	22,900	11,420	>20,000	2,610
Turbidity (NTU)(field)	NR	125.2	31.7	>200	41.7	103.4	94.2	38.4	NR	34.2	187.4	>200	56.8	42.8	71.7	169	37.1

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AMERICAN CANYON SANITARY LANDFILL
GROUNDWATER MONITORING HISTORICAL SUMMARY[1]
MONITORING PARAMETERS

Units: mg/l, unless noted

Sample Description	G-10	G-10	G-10	G-10	G-10	G-10	G-10	G-10	G-10	G-10	G-2D	G-2D	G-2D	G-2D	G-2D	G-2D	G-2D
Sampling Date	10/09/02	01/08/03	04/08/03	07/08/03	10/08/03	01/07/04	04/13/04	07/13/04	10/05/04	01/11/05	01/20/95	04/18/95	07/14/95	11/01/95	01/04/96	04/10/96	07/25/96
Semivolatile Organic Compounds (ug/l) (EPA Method 8270)																	
4-Chloroaniline	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR	NR
Acenaphthylene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR	NR
Butylbenzylphthalate	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR	NR
N-Nitrosodiphenylamine	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
2,6-Dinitrotoluene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
2-Chloronaphthalene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Phenanthrene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Di-n-butylphthalate	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR	NR
bis(2-ethylhexyl) phthalate	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR	NR
2,4-dimethylphenol	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR	NR
Naphthalene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR	NR
2-methylnaphthalene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR	NR
Acenaphthene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR	NR
Dibenzofuran	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR	NR
Fluorene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Anthracene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Fluoranthene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Pyrene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Benzoic Acid	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Diethyl phthalate	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
2-Methyl phenol	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
3,4-Methyl phenol	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Metals																	
Arsenic, Dissolved	0.037	0.036	0.036	0.1	0.027	0.018	0.048	0.042	0.055	0.056	0.006	<0.005	<0.01	<0.002	<0.002	<0.002	<0.001
Cadmium, Dissolved	<0.08	<0.08	<0.08	<0.0006	<0.019	<0.006	<0.0095	<0.003	0.03	<0.027	0.006	<0.003	<0.005	<0.003	<0.003	NR	NR
Chromium, Total Dissolved	<0.07	<0.07	trace	0.026	trace	trace	trace	trace	<0.014	<0.004	<0.003	<0.02	<0.01	<0.005	<0.005	<0.005	<0.018**
Copper, Dissolved	0.043	0.16	0.076	trace	<0.013	trace	<0.0063	trace	<0.016	<0.0041	<0.004	<0.002	trace	<0.01	<0.01	NR	NR
Lead, Dissolved	<0.00025	<0.00049	<0.00049	trace	<0.000055	<0.000055	<0.00027	<0.00014	<0.00014	<0.00027	<0.001	trace	trace	<0.001	<0.001	NR	NR
Nickel, Dissolved	<0.09	<0.09	<0.09	<0.00095	<0.0072	<0.0095	<0.0036	<0.011	<0.005	0.03	trace	trace	0.032	<0.02	<0.02	NR	NR
Inorganic Parameters																	
Total Dissolved Solids	18,600	18,200	17,600	36,400	19,400	18,500	16,000	15,200	16,300	18,800	15,000	16,000	17,000	3,300	17,000	NR	NR
pH (std. units) (field)	6.82	4.91	7.44	6.88	6.19	6.11	6.38	6.61	7.26	6.68	6.66	6.63	6.61	6.59	6.41	6.31	6.52
Electrical Conductivity (umhos/cm) (field)	21,100	23,960	22,371	44,410	25,480	24,910	25,110	24,650	23,010	22,070	>20,000	>20,000	>20,000	>20,000	>20,000	>20,000	12,150
Turbidity (NTU)(field)	31.7	121.6	197.4	37.9	64.7	39.7	101.8	9.67	58.9	96.1	NR	NR	NR	NR	NR	NR	NR

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AMERICAN CANYON SANITARY LANDFILL
GROUNDWATER MONITORING HISTORICAL SUMMARY[1]
MONITORING PARAMETERS

Units: mg/l, unless noted

Sample Description	G-2D	G-2D	G-2D	G-2D	G-2D	G-2D	G-2D	G-2D	G-2D	G-2D	G-2D	G-2D	G-2D	G-2D	G-2D	G-2D	G-2D
Sampling Date	10/22/96	01/06/97	04/16/97	07/17/97	10/09/97	01/13/98	04/08/98	07/08/98	10/07/98	01/06/99	02/16/99	04/07/99	07/07/99	10/13/99	01/07/00	05/10/00	05/10/00
Semivolatile Organic Compounds (ug/l) (EPA Method 8270)																	
4-Chloroaniline	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Acenaphthylene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Butylbenzylphthalate	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
N-Nitrosodiphenylamine	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
2,6-Dinitrotoluene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
2-Chloronaphthalene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Phenanthrene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Di-n-butylphthalate	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
bis(2-ethylhexyl) phthalate	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
2,4-dimethylphenol	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Naphthalene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
2-methylnaphthalene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Acenaphthene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Dibenzofuran	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Fluorene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Anthracene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Fluoranthene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Pyrene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Benzoic Acid	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Diethyl phthalate	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
2-Methyl phenol	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
3,4-Methyl phenol	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Metals																	
Arsenic, Dissolved	0.002	<0.00068	0.0052	<0.00079	<0.0014	<0.0014	<0.0014	<0.001	<0.0068**	<0.014	NR	<0.06	<0.06	<0.05	<0.05	<0.00164	<0.00164
Cadmium, Dissolved	NR	NR	NR	trace	<0.00012	<0.00012	trace	trace	<0.028**	<0.028	NR	<0.01	<0.003	<0.003	<0.003	<0.00542	<0.00542
Chromium, Total Dissolved	<0.009	<0.009	<0.0162**	trace	trace	trace	trace	trace	<0.022**	<0.022	NR	<0.004	<0.004	<0.004	<0.004	<0.00599	<0.00599
Copper, Dissolved	NR	NR	NR	<0.00065	trace	0.026	0.025	<0.049**	<0.025**	trace	NR	trace	<0.002	<0.002	<0.002	0.028	<0.00446
Lead, Dissolved	NR	NR	NR	<0.00075	<0.0020	<0.00075	<0.0020	trace	trace	<0.0066	NR	<0.04	<0.04	<0.04	<0.05	<0.00164	<0.00164
Nickel, Dissolved	NR	NR	NR	trace	trace	trace	trace	trace	trace	trace	NR	<0.02	<0.02	<0.02	<0.02	0.077	<0.00455
Inorganic Parameters																	
Total Dissolved Solids	NR	NR	NR	16,200	15,700	16,300	15,800	17,600	16,800	15,400	NR	18,000	15,000	17,000	1,500	14,000	17,000
pH (std. units) (field)	6.23	6.68	6.76	6.70	6.78	6.82	7.06	6.82	6.61	7.16	6.73	6.96	7.13	6.89	6.78	6.98	6.99
Electrical Conductivity (umhos/cm) (field)	>20,000	11,170	>20,000	>20,000	>20,000	>20,000	19,580	23,600	25,740	26,990	26,610	26,310	25,490	25,450	24,470	22,150	25,250
Turbidity (NTU)(field)	NR	NR	NR	4.09	5.64	15.72	NR	>200	9.03	4.63	NR	12.06	18.70	5.09	12.7	NR	NR

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AMERICAN CANYON SANITARY LANDFILL
GROUNDWATER MONITORING HISTORICAL SUMMARY[1]
MONITORING PARAMETERS

Units: mg/l, unless noted

Sample Description	G-2D	G-2D	G-2D	G-2D	G-2D	G-2D	G-2D	G-2D	G-2D	G-2D	G-2D	G-2D	G-2DR	G-2DR	G-2DR	G-2DR	G-2DR
Sampling Date	11/07/00	01/23/01	04/19/01	07/26/01	10/23/01	02/08/02	04/03/02	07/09/02	10/09/02	02/08/02	04/08/03	07/08/03	10/08/03	01/07/04	04/13/04	07/13/04	10/05/04
Semivolatile Organic Compounds (ug/l) (EPA Method 8270)																	
4-Chloroaniline	NR	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Acenaphthylene	NR	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Butylbenzylphthalate	NR	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
N-Nitrosodiphenylamine	NR	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
2,6-Dinitrotoluene	NR	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
2-Chloronaphthalene	NR	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Phenanthrene	NR	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Di-n-butylphthalate	NR	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
bis(2-ethylhexyl) phthalate	NR	NR	NR	22	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
2,4-dimethylphenol	NR	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Naphthalene	NR	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
2-methylnaphthalene	NR	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Acenaphthene	NR	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Dibenzofuran	NR	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Fluorene	NR	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Anthracene	NR	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Fluoranthene	NR	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Pyrene	NR	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Benzoic Acid	NR	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Diethyl phthalate	NR	NR	NR	trace	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
2-Methyl phenol	NR	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
3,4-Methyl phenol	NR	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Metals																	
Arsenic, Dissolved	0.11	<0.0082	<0.007	<0.007	0.035	0.038	0.022	0.052	0.032	0.03	0.023	0.034	0.032	0.028	0.047	0.061	0.055
Cadmium, Dissolved	<0.00542	<0.00542	<0.04	<0.004	<0.2	<0.04	<0.08	<0.04	<0.08	<0.08	<0.08	<0.0006	<0.019	<0.006	<0.0095	<0.003	0.026
Chromium, Total Dissolved	<0.00599	<0.00599	<0.04	0.02	<0.2	<0.04	<0.07	<0.04	<0.07	<0.07	trace	0.0096	trace	trace	<0.0047	trace	<0.014
Copper, Dissolved	<0.00446	<0.00446	<0.03	<0.2	<0.2	<0.03	<0.1	<0.05	0.044	0.18	0.066	0.01	trace	trace	<0.0063	trace	<0.016
Lead, Dissolved	<0.00164	<0.00164	<0.004	trace	<0.00055	<0.00011	<0.00025	trace	<0.00025	<0.00049	trace	<0.00055	<0.00055	<0.00055	<0.00027	<0.00014	<0.00014
Nickel, Dissolved	trace	<0.00455	<0.03	<0.003	<0.2	trace	<0.09	trace	<0.09	<0.09	<0.09	0.029	trace	trace	trace	<0.011	0.018
Inorganic Parameters																	
Total Dissolved Solids	14,000	14,000	16,300	15,500	15,800	16,400	16,900	16,600	16,400	16,400	15,200	17,000	14,200	14,800	13,900	15,800	15,400
pH (std. units) (field)	6.74	6.61	6.93	6.93	6.20	6.88	6.88	6.74	6.67	6.57	8.00	6.69	7.10	6.97	7.05	6.60	7.23
Electrical Conductivity (umhos/cm) (field)	15,940	19,640	26,620	26,620	22,500	>20,000	11,660	1,290	18,500	23,090	24,900	25,710	23,710	24,270	24,180	23,860	22,970
Turbidity (NTU)(field)	12.0	66.4	2.25	3.92	14.24	56.2	14.9	17.18	9.4	31.9	19.4	1.42	>200	99.6	96.7	164.9	36.9

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AMERICAN CANYON SANITARY LANDFILL
GROUNDWATER MONITORING HISTORICAL SUMMARY[1]
MONITORING PARAMETERS

Units: mg/l, unless noted

Sample Description	G-2DR	GW-4	GW-4	GW-4	GW-4	GW-4	GW-4	GW-4	GW-4	GW-4	GW-4	GW-4	GW-4	GW-4	GW-4	GW-4	GW-4
Sampling Date	01/11/05	10/26/94	01/20/95	04/18/95	07/13/95	10/31/95	01/04/96	04/11/96	07/25/96	10/22/96	01/07/97	04/16/97	07/16/97	10/09/97	01/13/98	04/08/98	07/08/98
Semivolatile Organic Compounds (ug/l) (EPA Method 8270)																	
4-Chloroaniline	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Acenaphthylene	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Butylbenzylphthalate	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
N-Nitrosodiphenylamine	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
2,6-Dinitrotoluene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
2-Chloronaphthalene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Phenanthrene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Di-n-butylphthalate	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
bis(2-ethylhexyl) phthalate	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
2,4-dimethylphenol	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Naphthalene	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
2-methylnaphthalene	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Acenaphthene	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Dibenzofuran	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Fluorene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Anthracene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Fluoranthene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Pyrene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Benzoic Acid	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Diethyl phthalate	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
2-Methyl phenol	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
3,4-Methyl phenol	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Metals																	
Arsenic, Dissolved	0.065	<0.001	0.006	0.008	<0.01	<0.002	<0.002	<0.002	<0.001	0.0025	<0.00068	0.0025	<0.00079	<0.0014	trace	<0.0014	trace
Cadmium, Dissolved	<0.027	trace	0.004	0.003	<0.005	NR	<0.003	NR	NR	NR	NR	NR	trace	<0.00012	trace	trace	0.0022
Chromium, Total Dissolved	0.005	<0.002	<0.004	<0.01	<0.01	<0.005	<0.005	<0.005	<0.018**	<0.009	<0.009	<0.0081	trace	trace	0.01	trace	trace
Copper, Dissolved	<0.0041	<0.004	<0.004	<0.002	trace	NR	<0.01	NR	NR	NR	NR	NR	trace	<0.00065	0.046	trace	<0.049**
Lead, Dissolved	<0.00014	<0.001	<0.001	0.003	<0.001	NR	<0.001	NR	NR	NR	NR	NR	<0.00075	<0.0020	trace	<0.0020	<0.0014**
Nickel, Dissolved	0.011	trace	<0.013	0.033	<0.019	NR	trace	NR	NR	NR	NR	NR	trace	trace	trace	trace	trace
Inorganic Parameters																	
Total Dissolved Solids	15,200	16,900	18,000	20,000	19,000	9,600	19,000	NR	NR	NR	NR	NR	17,200	17,100	17,400	17,200	18,400
pH (std. units) (field)	6.70	6.58	6.53	6.53	6.48	6.16	6.27	6.38	6.59	5.97	6.48	6.62	6.70	6.63	6.68	7.14	6.70
Electrical Conductivity (umhos/cm) (field)	26,040	10,380	>20,000	>20,000	>20,000	>20,000	>20,000	>20,000	12,120	>20,000	9,360	>20,000	>20,000	>20,000	>20,000	>20,000	27,000
Turbidity (NTU)(field)	44.1	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	7.74	10.57	19.55	NR	>200

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AMERICAN CANYON SANITARY LANDFILL
GROUNDWATER MONITORING HISTORICAL SUMMARY[1]
MONITORING PARAMETERS

Units: mg/l, unless noted

Sample Description	GW-4	GW-4	GW-4	GW-4	GW-4	GW-4	GW-4	GW-4	GW-4	GW-4	GW-4	GW-4	GW-4	GW-4	GW-4	GW-4	GW-4
Sampling Date	09/04/98	10/06/98	01/07/99	04/08/99	07/08/99	10/14/99	01/07/00	05/10/00	07/13/00	11/07/00	01/23/01	04/19/01	07/26/01	10/23/01	02/08/02	04/03/02	07/10/02
Semivolatile Organic Compounds (ug/l) (EPA Method 8270)																	
4-Chloroaniline	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR
Acenaphthylene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR
Butylbenzylphthalate	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR
N-Nitrosodiphenylamine	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR
2,6-Dinitrotoluene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR
2-Chloronaphthalene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR
Phenanthrene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR
Di-n-butylphthalate	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR
bis(2-ethylhexyl) phthalate	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	trace	NR	NR	NR	NR
2,4-dimethylphenol	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR
Naphthalene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR
2-methylnaphthalene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR
Acenaphthene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR
Dibenzofuran	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR
Fluorene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR
Anthracene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR
Fluoranthene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR
Pyrene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR
Benzoic Acid	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR
Diethyl phthalate	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR
2-Methyl phenol	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR
3,4-Methyl phenol	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR
Metals																	
Arsenic, Dissolved	NR	<0.0068**	<0.014	<0.06	<0.06	<0.05	<0.05	<0.032	<0.00164	0.140	<0.0082	<0.02	<0.007	0.035	0.041	0.022	0.052
Cadmium, Dissolved	NR	<0.028**	<0.028	<0.01	<0.003	<0.003	<0.003	<0.00542	<0.00542	<0.00542	<0.00542	<0.04	<0.004	<0.2	<0.04	<0.08	<0.04
Chromium, Total Dissolved	NR	<0.022**	<0.022	<0.004	<0.004	<0.004	<0.004	<0.00599	<0.00599	<0.00599	<0.00599	<0.04	0.02	<0.2	<0.04	<0.07	<0.04
Copper, Dissolved	NR	<0.025**	trace	<0.002	<0.002	<0.002	<0.002	<0.00446	<0.00446	<0.00446	<0.00446	trace	<0.2	<0.2	<0.03	<0.1	<0.05
Lead, Dissolved	NR	<0.0014**	<0.0066	<0.04	<0.04	<0.04	<0.05	<0.00164	<0.00164	<0.00164	<0.00164	<0.008	<0.004	<0.00055	<0.00011	<0.00025	trace
Nickel, Dissolved	NR	trace	<0.022	<0.02	<0.02	trace	<0.02	<0.00455	<0.00455	trace	trace	<0.03	<0.003	<0.2	<0.03	<0.09	<0.05
Inorganic Parameters																	
Total Dissolved Solids	NR	17,600	16,900	16,000	17,000	19,000	1,700	1,600	19,000	15,000	16,000	17,000	16,700	16,500	17,500	17,600	17,400
pH (std. units) (field)	6.82	6.62	6.95	6.70	6.65	6.71	6.37	6.59	6.79	7.14	6.74	6.61	6.61	6.43	6.90	6.84	6.61
Electrical Conductivity (umhos/cm) (field)	28,330	27,530	29,100	27,690	27,140	27,070	29,740	25,760	27,150	17,240	>20,000	27,930	27,930	24,500	14,700	>20,000	2,090
Turbidity (NTU)(field)	47.2	11.1	34.3	41.3	27.7	81.5	39.5	20.26	NR	29.1	121.7	0.52	7.73	7.61	42.7	14.6	31.6

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AMERICAN CANYON SANITARY LANDFILL
GROUNDWATER MONITORING HISTORICAL SUMMARY[1]
MONITORING PARAMETERS

Units: mg/l, unless noted

Sample Description	GW-4	GW-4	GW-4	GW-4	GW-4	GW-4	GW-4	GW-4	GW-4	GW-4	GW-6	GW-6	GW-6	GW-6	GW-6	GW-6	GW-6
Sampling Date	10/09/02	01/08/03	04/08/03	07/08/03	10/08/03	01/07/04	04/13/04	07/13/04	10/05/04	01/11/05	10/26/94	01/19/95	04/18/95	07/12/95	10/31/95	01/03/96	04/11/96
Semivolatile Organic Compounds (ug/l) (EPA Method 8270)																	
4-Chloroaniline	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR	NR
Acenaphthylene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR	NR
Butylbenzylphthalate	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR	NR
N-Nitrosodiphenylamine	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
2,6-Dinitrotoluene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
2-Chloronaphthalene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Phenanthrene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Di-n-butylphthalate	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR	NR
bis(2-ethylhexyl) phthalate	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR	NR
2,4-dimethylphenol	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR	NR
Naphthalene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR	NR
2-methylnaphthalene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR	NR
Acenaphthene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR	NR
Dibenzofuran	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR	NR
Fluorene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Anthracene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Fluoranthene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Pyrene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Benzoic Acid	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Diethyl phthalate	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
2-Methyl phenol	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
3,4-Methyl phenol	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Metals																	
Arsenic, Dissolved	0.034	0.032	0.035	0.038	0.036	0.019	0.044	0.046	0.049	0.058	<0.001	<0.001	0.007	<0.01	<0.002	<0.002	<0.002
Cadmium, Dissolved	<0.08	<0.08	<0.08	<0.0006	<0.019	<0.006	<0.0095	<0.003	0.036	<0.027	0.005	<0.002	0.004	<0.005	NR	<0.003	NR
Chromium, Total Dissolved	<0.07	<0.07	trace	trace	<0.0094	trace	<0.0047	trace	<0.014	<0.004	<0.002	<0.003	<0.01	<0.01	<0.005	<0.005	<0.005
Copper, Dissolved	0.056	0.27	0.075	0.013	trace	trace	<0.0063	trace	<0.016	<0.0041	<0.004	<0.004	<0.002	trace	NR	<0.01	NR
Lead, Dissolved	<0.00049	<0.00049	trace	trace	<0.000055	trace	<0.00027	trace	<0.00014	<0.00014	<0.001	<0.001	<0.001	<0.001	NR	0.005	NR
Nickel, Dissolved	<0.09	<0.09	<0.09	0.033	trace	trace	trace	trace	0.032	<0.011	trace	<0.013	<0.011	<0.019	NR	<0.02	NR
Inorganic Parameters																	
Total Dissolved Solids	17,500	19,200	16,600	19,000	20,000	18,800	17,500	19,100	17,000	17,600	15,600	17,000	18,000	14,000	8,900	16,000	NR
pH (std. units) (field)	6.97	6.09	7.66	6.63	6.81	6.72	6.72	6.46	7.36	6.84	6.61	6.50	6.59	6.61	6.38	6.15	6.31
Electrical Conductivity (umhos/cm) (field)	20,500	26,060	26,390	27,600	28,650	28,580	28,590	28,680	21,290	20,910	9,610	>20,000	>20,000	19,900	>20,000	>20,000	>20,000
Turbidity (NTU)(field)	17.9	101.7	44.3	23.5	15.3	16.37	7.98	6.64	17.8	107.3	NR	NR	NR	NR	NR	NR	NR

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[2] This analytical result appears to be anomalous and therefore was not used in statistical evaluation procedures.
[3] Because this constituent was detected in the method blank during laboratory QA/QC, this quarter's data was not included in the statistical evaluation.
[4] This field measurement is presented here for informational purposes only.
* The analytical results of this duplicate sample were not used in the statistical analysis.
** This result was revised during the first quarter 1999 to correct a laboratory reporting error.
ND = Not Detected. Detection limits are provided only for constituents that have been detected above the MDL at least once.
NR = Not Required
NS = Not Sampled

AMERICAN CANYON SANITARY LANDFILL
GROUNDWATER MONITORING HISTORICAL SUMMARY[1]
MONITORING PARAMETERS

Units: mg/l, unless noted

Sample Description	GW-6	GW-6	GW-6	GW-6	GW-6	GW-6	GW-6	GW-6	GW-6	GW-6	GW-6	GW-6	GW-6	GW-6	GW-6	GW-6	GW-6
Sampling Date	07/23/96	10/21/96	01/07/97	04/15/97	07/17/97	10/08/97	01/12/98	04/08/98	07/08/98	09/04/98	10/08/98	01/03/96	04/11/96	07/23/96	10/21/96	01/07/97	04/15/97
Semivolatile Organic Compounds (ug/l) (EPA Method 8270)																	
4-Chloroaniline	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Acenaphthylene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Butylbenzylphthalate	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
N-Nitrosodiphenylamine	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
2,6-Dinitrotoluene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
2-Chloronaphthalene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Phenanthrene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Di-n-butylphthalate	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
bis(2-ethylhexyl) phthalate	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
2,4-dimethylphenol	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Naphthalene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
2-methylnaphthalene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Acenaphthene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Dibenzofuran	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Fluorene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Anthracene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Fluoranthene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Pyrene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Benzoic Acid	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Diethyl phthalate	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
2-Methyl phenol	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
3,4-Methyl phenol	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Metals																	
Arsenic, Dissolved	<0.001	0.002	<0.00068	0.0042	<0.00079	<0.0014	<0.0014	<0.0014	trace	NR	<0.0068**	<0.002	<0.002	<0.001	0.002	<0.00068	0.0042
Cadmium, Dissolved	NR	NR	NR	NR	trace	<0.00012	trace	trace	trace	NR	<0.028**	<0.003	NR	NR	NR	NR	NR
Chromium, Total Dissolved	<0.018**	<0.009	<0.009	<0.0162**	trace	trace	trace	trace	trace	NR	<0.022**	<0.005	<0.005	<0.018**	<0.009	<0.009	<0.0162**
Copper, Dissolved	NR	NR	NR	NR	<0.00065	<0.00065	0.033	trace	<0.049**	NR	<0.025**	<0.01	NR	NR	NR	NR	NR
Lead, Dissolved	NR	NR	NR	NR	<0.00075	<0.0020	<0.00075	<0.0020	<0.0014**	NR	<0.0014**	0.005	NR	NR	NR	NR	NR
Nickel, Dissolved	NR	NR	NR	NR	trace	trace	trace	trace	trace	NR	<0.022**	<0.02	NR	NR	NR	NR	NR
Inorganic Parameters																	
Total Dissolved Solids	NR	NR	NR	NR	15,800	15,300	15,500	18,800	16,200	NR	17,400	16,000	NR	NR	NR	NR	NR
pH (std. units) (field)	6.61	6.01	6.50	6.75	6.64	6.69	7.10	7.05	6.75	6.87	7.01	6.15	6.31	6.61	6.01	6.50	6.75
Electrical Conductivity (umhos/cm) (field)	13,160	>20,000	8,410	>20,000	>20,000	>20,000	>20,000	>20,000	25440	25170	25,080	>20,000	>20,000	13,160	>20,000	8,410	>20,000
Turbidity (NTU)(field)	NR	NR	NR	NR	16.11	60.25	29.8	NR	>200	79.2	9.24	NR	NR	NR	NR	NR	NR

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AMERICAN CANYON SANITARY LANDFILL
GROUNDWATER MONITORING HISTORICAL SUMMARY[1]
MONITORING PARAMETERS

Units: mg/l, unless noted

Sample Description	GW-6	GW-6	GW-6	GW-6	GW-6	GW-6	GW-6	GW-6	GW-6	GW-6	GW-6	GW-6	GW-6	GW-6	GW-6	GW-6	GW-6
Sampling Date	07/17/97	10/08/97	01/12/98	04/08/98	07/08/98	09/04/98	10/08/98	01/05/99	04/06/99	07/07/99	10/13/99	01/05/00	05/09/00	07/13/00	11/07/00	01/24/01	04/17/01
Semivolatile Organic Compounds (ug/l) (EPA Method 8270)																	
4-Chloroaniline	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Acenaphthylene	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Butylbenzylphthalate	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
N-Nitrosodiphenylamine	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
2,6-Dinitrotoluene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
2-Chloronaphthalene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Phenanthrene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Di-n-butylphthalate	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
bis(2-ethylhexyl) phthalate	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
2,4-dimethylphenol	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Naphthalene	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
2-methylnaphthalene	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Acenaphthene	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Dibenzofuran	NR	NR	NR	NR	NR	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Fluorene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Anthracene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Fluoranthene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Pyrene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Benzoic Acid	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Diethyl phthalate	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
2-Methyl phenol	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
3,4-Methyl phenol	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Metals																	
Arsenic, Dissolved	<0.00079	<0.0014	<0.0014	<0.0014	trace	NR	<0.0068**	<0.014	<0.06	<0.06	<0.05	<0.05	<0.00164	<0.00164	0.088	<0.0082	<0.007
Cadmium, Dissolved	trace	<0.00012	trace	trace	trace	NR	<0.028**	<0.028	<0.01	<0.003	<0.003	<0.003	<0.00542	<0.00542	<0.00542	<0.00542	<0.04
Chromium, Total Dissolved	trace	trace	trace	trace	trace	NR	<0.022**	<0.022	<0.004	<0.004	<0.004	0.02	<0.00599	<0.00599	<0.00599	<0.00599	trace
Copper, Dissolved	<0.00065	<0.00065	0.033	trace	<0.049**	NR	<0.025**	trace	<0.002	<0.002	<0.002	<0.002	<0.00446	<0.00446	<0.00446	<0.00446	<0.03
Lead, Dissolved	<0.00075	<0.0020	<0.00075	<0.0020	<0.0014**	NR	<0.0014**	<0.0066	<0.04	<0.04	<0.04	<0.05	<0.00164	<0.00164	<0.00164	<0.00164	<0.004
Nickel, Dissolved	trace	trace	trace	trace	trace	NR	<0.022**	trace	<0.02	<0.02	<0.02	<0.02	<0.00455	<0.00455	trace	trace	trace
Inorganic Parameters																	
Total Dissolved Solids	15,800	15,300	15,500	18,800	16,200	NR	17,400	16,100	16,000	15,000	16,000	17,000	13,000	15,000	14,000	16,000	15,900
pH (std. units) (field)	6.64	6.69	7.10	7.05	6.75	6.87	7.01	6.96	6.65	6.57	6.56	6.55	6.76	7.25	7.74	6.59	6.34
Electrical Conductivity (umhos/cm) (field)	>20,000	>20,000	>20,000	>20,000	25440	25170	25,080	24,280	25,790	24,940	25,030	25,580	21,280	21,270	15,410	18,600	25,700
Turbidity (NTU)(field)	16.11	60.25	29.8	NR	>200	79.2	9.24	50.5	14.3	22.7	32.7	35.5	27.46	NR	19.6	141.6	0.16

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AMERICAN CANYON SANITARY LANDFILL
GROUNDWATER MONITORING HISTORICAL SUMMARY[1]
MONITORING PARAMETERS

Units: mg/l, unless noted

Sample Description	GW-6	GW-6	GW-6	GW-6	GW-6	GW-6	GW-6	GW-6	GW-6	GW-6	GW-6	GW-6	GW-6	GW-6	GW-6
Sampling Date	07/25/01	10/23/01	01/10/02	04/02/02	07/09/02	10/09/02	01/07/03	04/08/03	07/08/03	10/07/03	01/07/04	04/13/04	07/13/04	10/05/04	01/11/05
Semivolatile Organic Compounds (ug/l)															
(EPA Method 8270)															
4-Chloroaniline	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Acenaphthylene	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Butylbenzylphthalate	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
N-Nitrosodiphenylamine	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
2,6-Dinitrotoluene	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
2-Chloronaphthalene	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Phenanthrene	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Di-n-butylphthalate	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
bis(2-ethylhexyl) phthalate	trace	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
2,4-dimethylphenol	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Naphthalene	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
2-methylnaphthalene	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Acenaphthene	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Dibenzofuran	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Fluorene	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Anthracene	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Fluoranthene	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Pyrene	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Benzoic Acid	trace	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Diethyl phthalate	trace	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
2-Methyl phenol	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
3,4-Methyl phenol	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Metals															
Arsenic, Dissolved	<0.007	0.036	<0.003	0.022	0.049	0.035	0.027	0.04	0.031	0.03	0.017	0.04	0.04	0.047	0.05
Cadmium, Dissolved	<0.004	<0.2	<0.07	<0.08	<0.04	<0.08	<0.08	<0.08	<0.0006	<0.019	<0.006	<0.0095	<0.003	0.02	<0.027
Chromium, Total Dissolved	0.06	<0.2	<0.07	<0.07	<0.04	<0.07	<0.07	trace	trace	<0.0094	trace	<0.0047	trace	<0.014	<0.004
Copper, Dissolved	<0.2	<0.2	<0.05	<0.1	<0.05	0.039	0.063	0.062	trace	trace	trace	<0.0063	trace	0.1	0.01
Lead, Dissolved	trace	<0.00055	<0.002	<0.00025	trace	<0.00025	<0.00049	<0.00049	<0.000055	<0.000055	<0.000055	<0.00027	<0.00014	<0.00014	<0.00014
Nickel, Dissolved	0.02	<0.2	<0.05	<0.09	<0.05	<0.09	<0.09	<0.09	0.025	<0.0072	trace	trace	trace	0.026	0.03
Inorganic Parameters															
Total Dissolved Solids	15,300	15,300	16,100	17,600	16,200	16,700	16,100	16,400	17,000	15,900	16,100	16,400	17,800	15,900	15,300
pH (std. units) (field)	6.34	6.34	6.85	6.81	6.81	6.74	8.31	7.76	6.72	6.84	6.83	6.82	6.51	7.07	6.70
Electrical Conductivity (umhos/cm) (field)	25,700	25,700	22,300	12,140	9,170	20,900	24,640	11,260	25,630	26,430	26,430	26,310	26,400	21,390	25,840
Turbidity (NTU)(field)	0.38	0.38	6.26	17.6	12.9	21.6	74.4	19.7	2.95	3.1	9.81	3.56	6.54	46.1	74.3

[1] Only data from 1990 to present is presented here; however pre-1990 data is available upon request.
[2] This analytical result appears to be anomalous and therefore was not used in statistical evaluation procedures.
[3] Because this constituent was detected in the method blank during laboratory QA/QC, this quarter's data was not included in the statistical evaluation.
[4] This field measurement is presented here for informational purposes only.
* The analytical results of this duplicate sample were not used in the statistical analysis.
** This result was revised during the first quarter 1999 to correct a laboratory reporting error.
ND = Not Detected. Detection limits are provided only for constituents that have been detected above the MDL at least once.
NR = Not Required
NS = Not Sampled

AMERICAN CANYON SANITARY LANDFILL
SURFACE WATER MONITORING HISTORICAL SUMMARY
MONITORING PARAMETERS

Units: mg/L, unless noted

Sample Description	S-1	S-1	S-1	S-1	S-1	S-1	S-1	S-1	S-1	S-1	S-1	S-1	S-1	S-1	S-1
Sampling Date	10/26/94	01/20/95	04/19/95	07/14/95	11/01/95	01/04/96	04/11/96	07/25/96	10/22/96	01/07/97	04/17/97	07/17/97	10/09/97	01/14/98	04/08/98
Volatile Organic Compounds (mg/L) (USEPA Method 8260)															
Total Xylenes	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND
Acetone	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	7.1	<0.80	<0.80
Methylene Chloride	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND
Carbon Disulfide	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND
Methyl tert-butyl ether	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND
Chloromethane	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND
Tetrachloroethene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND
Toluene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND
2-Butanone	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND
Ethylbenzene	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND
Chloroform	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND
Semivolatile Organic Compounds (mg/L) (USEPA Method 8270)															
bis(2-ethylhexyl) phthalate	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	trace	NR	<6.9	<6.9
Di-n-Butylphthalate	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR	ND	ND
Diethylphthalate	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR	ND	ND
Benzoic Acid	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR	ND	ND
Metals															
Arsenic, Total	0.014	<0.001	trace	<0.01	trace	<0.002	<0.002	trace	0.0026	<0.00068	0.0033	<0.00079	<0.0014	<0.0014	<0.0014
Cadmium, Total	trace	trace	<0.003	<0.005	NR	<0.003	NR	NR	NR	NR	NR	trace	<0.00012	<0.00012	<0.00086
Chromium, Total	<0.02	trace	<0.005	<0.01	<0.005	<0.005	<0.005	<0.009	<0.009	<0.009	<0.0081	<0.0011	<0.0011	trace	trace
Copper, Total	trace	trace	<0.002	trace	NR	<0.01	NR	NR	NR	NR	NR	trace	trace	trace	trace
Lead, Total	<0.05	<0.001	<0.001	<0.001	NR	trace	NR	NR	NR	NR	NR	<0.00075	<0.0020	trace	<0.0020
Nickel, Total	<0.007	trace	<0.019	<0.019	NR	0.25 [2]	NR	NR	NR	NR	NR	trace	trace	trace	<0.0033
General Water Quality Parameters															
Total Dissolved Solids	NR	NR	NR	NR	NR	5,700	NR	NR	NR	NR	NR	26,900	24,800	515	1,300
pH (std. units)(field)	8.51	6.58	7.70	6.48	7.84	6.27	7.27	7.86	7.81	6.94	7.37	8.70	7.18	6.99	8.39
Electraceical Conductivity (umhos/cm)(field)	13,720	812	1,183	13,410	>20,000	9,290	1,549	11,090	>20,000	643	11,820	>20,000	>20,000	639	28,500
Turbidity (NTU)(field)	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	3.67	3.62	>200	NR

NR = Not Requested
ND = Not Detected
* This result was revised during the first quarter 1999 to correct a laboratory reporting error.
[1] Because this constituent was detected in the method blank during laboratory QA/QC, this quarter's data was not included in the statistical evaluation.
[2] This data point appears to be anomalous, thus, it was not used in the statistical evaluation.

AMERICAN CANYON SANITARY LANDFILL
SURFACE WATER MONITORING HISTORICAL SUMMARY
MONITORING PARAMETERS

Units: mg/L, unless noted

Sample Description	S-1	S-1	S-1	S-1	S-1	S-1	S-1	S-1	S-1	S-1	S-1	S-1	S-1	S-1	S-1
Sampling Date	07/09/98	10/08/98	01/07/99	04/08/99	07/09/99	10/14/99	01/07/00	05/10/00	07/13/00	11/09/00	01/23/01	04/17/01	07/25/01	10/22/01	01/10/02
Volatile Organic Compounds (mg/L)															
(USEPA Method 8260)															
Total Xylenes	ND	ND	ND	ND	ND	ND	ND	ND	ND	trace	<0.16	<0.236	<0.46	<0.46	<0.42
Acetone	<5.75	<5.75	<5.75	6	9	48	trace	<2.11	trace	trace	<4.28	<5.935	<18	<18	<18
Methylene Chloride	0.27	<0.08	trace	<0.2	trace	<0.2	<0.3	<0.36	trace	trace	trace [1]	<0.392	<0.2	<0.2	<0.2
Carbon Disulfide	ND	ND	ND	ND	trace	<0.4	<0.2	NR	NR	NR	NR	NR	NR	NR	NR
Methyl tert-butyl ether	ND	ND	ND	ND	ND	ND	trace	NR	NR	trace	<0.226	<0.094	<0.41	<0.41	<0.25
Chloromethane	ND	ND	ND	ND	ND	ND	ND	NR	trace	<0.27	<0.27	<0.158	<0.14	<0.14	<0.3
Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND	NR	trace	<0.04	<0.04	<0.062	<0.21	<0.21	<0.16
Toluene	ND	ND	ND	ND	ND	ND	ND	NR	ND	trace	<0.08	<0.047	<0.13	<0.13	<0.14
2-Butanone	ND	ND	ND	ND	ND	ND	ND	NR	ND	trace	<0.97	<1.752	<0.13	<0.13	<0.16
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	NR	ND	ND	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND	ND	ND	NR	ND	ND	ND	ND	ND	ND	ND
Semivolatile Organic Compounds (mg/L)															
(USEPA Method 8270)															
bis(2-ethylhexyl) phthalate	<0.673	<0.673	NR	NR	<0.4	NR	<0.4	NR	<1.38	NR	NR	NR	trace	NR	<1.2
Di-n-Butylphthalate	ND	ND	NR	NR	ND	NR	ND	NR	ND	NR	NR	NR	ND	NR	ND
Diethylphthalate	trace	<0.437	NR	NR	<2	NR	<2	NR	<2.28	NR	NR	NR	<0.29	NR	<1.2
Benzoic Acid	ND	ND	NR	NR	ND	NR	ND	NR	ND	NR	NR	NR	trace	NR	<12
Metals															
Arsenic, Total	0.0021	<0.034*	<0.0028	<0.006	<0.06	<0.05	<0.05	<0.00164	<0.00164	0.230	<0.0082	0.003	trace	0.002	0.003
Cadmium, Total	trace	<0.028*	<0.056	<0.003	<0.003	<0.003	<0.003	<0.00542	<0.00542	<0.00542	<0.00542	<0.004	<0.07	<0.2	<0.004
Chromium, Total	0.004	<0.022*	0.373 [2]	<0.004	<0.004	<0.004	<0.004	<0.00599	<0.00599	<0.00599	<0.00599	<0.004	<0.07	<0.2	<0.004
Copper, Total	trace	<0.025*	trace	<0.002	<0.002	<0.002	trace	<0.00446	<0.00446	trace	<0.00446	trace	<0.05	<0.2	<0.003
Lead, Total	<0.00033	trace	trace	<0.004	<0.04	<0.04	<0.05	<0.00164	<0.00164	<0.00164	<0.00164	trace	0.01	0.0084	trace
Nickel, Total	trace	<0.022*	trace	<0.02	<0.02	trace	0.15	<0.00455	<0.00455	0.044	<0.00455	0.02	<0.003	<0.2	trace
General Water Quality Parameters															
Total Dissolved Solids	4,700	13,300	9,400	430	18,000	21,000	930	8,600	20,000	18,000	2,500	5,350	21,500	30,300	1,860
pH (std. units)(field)	7.97	8.38	6.85	8.05	6.98	6.86	6.36	7.63	8.18	9.48	6.41	6.43	6.88	6.38	6.92
Electraceical Conductivity (umhos/cm)(field)	7,182	20,650	15,100	697	28,250	30,000	9,105	14,130	29,050	16,170	19,470	11,530	38,550	39,200	2,470
Turbidity (NTU)(field)	67.2	32.44	34.3	20.2	48.2	23.3	61.6	27.8	NR	28.6	126.1	>200	8.22	49.6	74.6

NR = Not Requested
ND = Not Detected
* This result was revised during the first quarter 1999 to correct a laboratory reporting error.
[1] Because this constituent was detected in the method blank during laboratory QA/QC, this quarter's data was not included in the statistical evaluation.
[2] This data point appears to be anomalous, thus, it was not used in the statistical evaluation.

AMERICAN CANYON SANITARY LANDFILL
SURFACE WATER MONITORING HISTORICAL SUMMARY
MONITORING PARAMETERS

Units: mg/L, unless noted

Sample Description	S-1	S-1	S-1	S-1	S-1	S-1	S-1	S-1	S-1	S-1	S-1	S-1	S-2	S-2	S-2
Sampling Date	04/02/02	07/09/02	10/09/02	01/08/03	04/09/03	07/08/03	10/06/03	01/07/04	04/13/04	07/13/04	10/05/04	01/12/05	10/26/94	01/20/95	04/19/95
Volatile Organic Compounds (mg/L) (USEPA Method 8260)															
Total Xylenes	<0.19	<0.43	<0.43	<0.14	trace(0.16)	<0.24	<0.2	<0.15	<0.15	<0.15	<0.15	<0.15	NR	NR	NR
Acetone	<4.2	<1.7	<1.7	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Methylene Chloride	<0.084	<0.78	<0.78	<0.12	<0.12	<0.42	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	NR	NR	NR
Carbon Disulfide	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Methyl tert-butyl ether	<0.09	<0.13	<0.13	trace	<0.054	<0.092	<0.088	<0.076	<0.076	<0.076	<0.076	<0.076	NR	NR	NR
Chloromethane	<0.12	<0.16	<0.16	<0.056	<0.056	<0.11	<0.16	<0.04	<0.04	<0.04	<0.04	<0.04	NR	NR	NR
Tetrachloroethene	<0.056	<0.13	<0.13	<0.049	<0.049	<0.085	<0.086	<0.092	<0.092	<0.092	<0.092	<0.092	NR	NR	NR
Toluene	<0.085	<0.16	<0.16	<0.042	trace	<0.067	<0.033	<0.063	<0.063	<0.063	<0.063	<0.063	NR	NR	NR
2-Butanone	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Ethylbenzene	ND	ND	ND	ND	1.0	<0.089	<0.071	<0.051	<0.051	<0.051	<0.051	<0.051	NR	NR	NR
Chloroform	ND	ND	ND	ND	trace	<0.065	<0.067	0.2	<0.19	<0.19	<0.19	<0.19	NR	NR	NR
Semivolatile Organic Compounds (mg/L) (USEPA Method 8270)															
bis(2-ethylhexyl) phthalate	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Di-n-Butylphthalate	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Diethylphthalate	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Benzoic Acid	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Metals															
Arsenic, Total	0.009	0.026	0.027	0.003	0.004	0.008	0.008	trace	0.006	0.018	0.022	0.005	<0.01	<0.001	trace
Cadmium, Total	<0.1	<0.05	<0.3	<0.1	<0.003	trace	<0.03	<0.0015	trace	<0.0066	0.016	<0.0018	0.003	<0.002	<0.003
Chromium, Total	<0.2	<0.09	<0.5	<0.2	trace	trace	trace	trace	trace	trace	0.006	0.010	<0.02	<0.003	<0.005
Copper, Total	<0.2	<0.09	0.0615	0.0113	0.0171	trace	trace	trace	trace	<0.0076	<0.015	0.046	<0.004	trace	<0.002
Lead, Total	<0.00036	<0.0009	<0.0009	0.0012	0.001	trace	trace	trace	0.002	<0.0001	0.000	0.004	<0.05	<0.001	<0.001
Nickel, Total	<0.2	<0.1	<0.5	<0.2	trace	trace	<0.02	trace	trace	<0.0025	<0.0044	0.012	<0.007	trace	0.028
General Water Quality Parameters															
Total Dissolved Solids	10,200	18,100	19,400	1,990	3,440	7,500	7,500	1,360	9,300	12,700	17,800	960	NR	NR	NR
pH (std. units)(field)	6.88	6.81	6.94	6.37	7.49	6.97	6.87	8.17	7.53	6.86	7.46	6.48	8.85	6.80	7.45
Electraceical Conductivity (umhos/cm)(field)	14,010	10,410	10,410	14,970	17,460	24,710	28,460	2,494	15,230	28,740	18,780	24,710	13,930	2,480	8,070
Turbidity (NTU)(field)	17.6	41.3	37.4	69.6	NR	41.9	39.6	94.3	67.9	69.7	44.8	86.3	NR	NR	NR

NR = Not Requested
ND = Not Detected
* This result was revised during the first quarter 1999 to correct a laboratory reporting error.
[1] Because this constituent was detected in the method blank during laboratory QA/QC, this quarter's data was not included in the statistical evaluation.
[2] This data point appears to be anomalous, thus, it was not used in the statistical evaluation.

AMERICAN CANYON SANITARY LANDFILL
SURFACE WATER MONITORING HISTORICAL SUMMARY
MONITORING PARAMETERS

Units: mg/L, unless noted

Sample Description	S-2	S-2	S-2	S-2	S-2	S-2	S-2	S-2	S-2	S-2	S-2	S-2	S-2	S-2	S-2
Sampling Date	07/14/95	11/01/95	01/04/96	04/11/96	07/25/96	10/22/96	01/07/97	04/17/97	07/17/97	10/09/97	01/14/98	04/08/98	07/09/98	10/08/98	01/07/99
Volatile Organic Compounds (mg/L)															
(USEPA Method 8260)															
Total Xylenes	NR	NR	NR	NR	NR	NR	NR	NR	ND	trace	<0.78	<0.78	<0.13	<0.13	<0.13
Acetone	NR	NR	NR	NR	NR	NR	NR	NR	ND	5.4	<0.80	<0.80	<5.75	<5.75	<5.75
Methylene Chloride	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	trace	trace
Carbon Disulfide	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND
Methyl tert-butyl ether	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND
Chloromethane	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND
Toluene	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND
2-Butanone	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND
Chloroform	NR	NR	NR	NR	NR	NR	NR	NR	ND	ND	ND	ND	ND	ND	ND
Semivolatile Organic Compounds (mg/L)															
(USEPA Method 8270)															
bis(2-ethylhexyl) phthalate	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR	ND	ND	ND	ND	NR
Di-n-Butylphthalate	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR	trace	<2.5	<0.493	<0.493	NR
Diethylphthalate	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR	ND	ND	ND	ND	NR
Benzoic Acid	NR	NR	NR	NR	NR	NR	NR	NR	ND	NR	ND	ND	ND	ND	NR
Metals															
Arsenic, Total	<0.01	<0.002	<0.002	<0.002	trace	0.0039	<0.00068	0.0028	trace	trace	<0.0014	<0.0014	<0.001	<0.034*	trace
Cadmium, Total	<0.005	NR	<0.003	NR	NR	NR	NR	NR	trace	<0.00012	<0.00012	<0.00086	trace	<0.028*	<0.056
Chromium, Total	<0.01	<0.005	<0.005	<0.005	<0.009	<0.009	<0.009	<0.0081	<0.0011	<0.0011	trace	<0.0013	trace	<0.022*	0.417 [2]
Copper, Total	0.012	NR	<0.001	NR	NR	NR	NR	NR	trace	<0.00065	0.021	trace	<0.0049	<0.025*	trace
Lead, Total	trace	NR	<0.001	NR	NR	NR	NR	NR	<0.00075	<0.0020	<0.00075	<0.0020	0.1 [2]	trace	trace
Nickel, Total	<0.019	NR	0.09	NR	NR	NR	NR	NR	trace	trace	trace	<0.0033	trace	<0.022*	trace
General Water Quality Parameters															
Total Dissolved Solids	NR	NR	8,100	NR	NR	NR	NR	NR	20,000	20,100	753	1,800	4,800	12,000	8,700
pH (std. units)(field)	6.86	8.28	6.54	7.04	8.76	8.87	6.85	7.01	9.91	7.77	7.14	8.72	7.68	7.11	7.22
Electraceical Conductivity (umhos/cm)(field)	13,220	>20,000	13,470	7,220	11,820	>20,000	6,210	14,430	>20,000	>20,000	945	32,200	7,847	19,240	14,700
Turbidity (NTU)(field)	NR	NR	NR	NR	NR	NR	NR	NR	2.56	2.18	>200	NR	12.26	12.89	31.4

NR = Not Requested
ND = Not Detected
* This result was revised during the first quarter 1999 to correct a laboratory reporting error.
[1] Because this constituent was detected in the method blank during laboratory QA/QC, this quarter's data was not included in the statistical evaluation.
[2] This data point appears to be anomalous, thus, it was not used in the statistical evaluation.

AMERICAN CANYON SANITARY LANDFILL
SURFACE WATER MONITORING HISTORICAL SUMMARY
MONITORING PARAMETERS

Units: mg/L, unless noted

Sample Description	S-2	S-2	S-2	S-2	S-2	S-2	S-2	S-2	S-2	S-2	S-2	S-2	S-2	S-2	S-2
Sampling Date	04/08/99	07/09/99	10/14/99	01/07/00	05/10/00	07/13/00	11/09/00	01/23/01	04/17/01	07/25/01	10/22/01	01/10/02	04/02/02	07/09/02	10/09/02
Volatile Organic Compounds (mg/L) (USEPA Method 8260)															
Total Xylenes	<0.4	<0.4	<0.4	<0.4	<0.13	<0.16	<0.16	<0.16	<0.236	<0.46	<0.46	<0.42	<0.19	<0.43	<0.43
Acetone	8	8	trace	<8	<2.11	<4.28	<4.28	<4.28	<5.935	<18	<18	<18	<4.2	<1.7	<1.7
Methylene Chloride	trace	trace	<0.2	<0.3	<2.36	trace	trace	<0.32	<0.392	<0.2	<0.2	<0.2	<0.084	<0.78	<0.78
Carbon Disulfide	ND	ND	ND	ND	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Methyl tert-butyl ether	ND	ND	ND	trace	NR	NR	trace	<0.226	<0.094	<0.41	<0.41	<0.25	<0.09	<0.13	<0.13
Chloromethane	ND	ND	ND	ND	NR	ND	ND	ND	ND	ND	ND	ND	<0.12	<0.16	<0.16
Tetrachloroethene	ND	ND	ND	ND	NR	ND	ND	ND	ND	ND	ND	ND	<0.056	<0.13	<0.13
Toluene	ND	ND	ND	ND	NR	ND	trace	<0.08	<0.047	<0.13	<0.13	<0.14	<0.085	<0.16	<0.16
2-Butanone	ND	ND	ND	ND	NR	ND	ND	ND	ND	ND	ND	ND	NR	NR	NR
Ethylbenzene	ND	ND	ND	ND	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	NR	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Semivolatile Organic Compounds (mg/L) (USEPA Method 8270)															
bis(2-ethylhexyl) phthalate	NR	ND	NR	ND	NR	ND	NR	NR	NR	trace	NR	<1.2	NR	NR	NR
Di-n-Butylphthalate	NR	<0.4	NR	<0.4	NR	<1.60	NR	NR	NR	<0.25	NR	<1.2	NR	NR	NR
Diethylphthalate	NR	ND	NR	ND	NR	ND	NR	NR	NR	trace	NR	<1.2	NR	NR	NR
Benzoic Acid	NR	ND	NR	ND	NR	ND	NR	NR	NR	ND	NR	ND	NR	NR	NR
Metals															
Arsenic, Total	<0.006	<0.06	<0.05	<0.05	<0.00164	<0.00164	<0.00164	<0.0082	trace	0.005	0.004	0.002	0.0097	0.0547	0.026
Cadmium, Total	<0.003	<0.003	<0.003	<0.003	<0.00542	<0.00542	<0.00542	<0.00542	<0.004	<0.004	<0.2	<0.002	<0.1	<0.05	<0.3
Chromium, Total	<0.004	<0.004	<0.004	<0.004	<0.00599	<0.00599	<0.00599	<0.00599	<0.004	<0.004	<0.2	trace	<0.2	<0.09	<0.5
Copper, Total	<0.002	<0.002	<0.002	<0.002	<0.00446	<0.00446	0.022	<0.00446	0.11	<0.05	<0.2	<0.003	<0.2	<0.09	0.0798
Lead, Total	<0.004	<0.04	<0.04	<0.05	<0.00164	<0.00164	0.011	<0.00164	<0.0004	trace	0.0057	trace	0.002	trace	<0.0009
Nickel, Total	trace	<0.02	<0.02	<0.02	<0.00455	<0.00455	0.020	<0.00455	trace	<0.003	<0.2	trace	<0.2	<0.1	<0.5
General Water Quality Parameters															
Total Dissolved Solids	2,800	14,000	20,000	1,500	8,100	18,000	18,000	14,000	12,400	19,900	19,800	2,090	10,600	17,600	21,700
pH (std. units)(field)	7.99	6.87	6.99	6.46	8.61	8.20	9.32	6.12	7.00	6.11	6.38	6.90	6.95	6.61	6.94
Electraceical Conductivity (umhos/cm)(field)	4,988	23,320	29,560	24,030	13,240	25,810	16,240	19,190	20,180	30,910	39,100	2,720	13,810	17,400	25,500
Turbidity (NTU)(field)	18.6	44.8	9.04	27.4	12.46	NR	52.6	174.6	33.2	8.51	44.7	110.7	21.6	71.6	27.7

NR = Not Requested
ND = Not Detected
* This result was revised during the first quarter 1999 to correct a laboratory reporting error.
[1] Because this constituent was detected in the method blank during laboratory QA/QC, this quarter's data was not included in the statistical evaluation.
[2] This data point appears to be anomalous, thus, it was not used in the statistical evaluation.

AMERICAN CANYON SANITARY LANDFILL
SURFACE WATER MONITORING HISTORICAL SUMMARY
MONITORING PARAMETERS

Units: mg/L, unless noted

Sample Description	S-2	S-2	S-2	S-2	S-2	S-2	S-2	S-2	S-2
Sampling Date	01/08/03	04/09/03	07/08/03	10/06/03	01/07/04	04/13/04	07/13/04	10/05/04	01/12/05
Volatile Organic Compounds (mg/L)									
(USEPA Method 8260)									
Total Xylenes	<0.14	<0.14	<0.24	<0.2	<0.15	<0.15	<0.15	<0.15	<0.15
Acetone	NR	NR	NR	NR	NR	NR	NR	NR	NR
Methylene Chloride	<0.12	<0.12	<0.42	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17
Carbon Disulfide	NR	NR	NR	NR	NR	NR	NR	NR	NR
Methyl tert-butyl ether	trace(0.19)	trace	<0.092	<0.088	<0.076	<0.076	<0.076	<0.076	<0.076
Chloromethane	<0.056	<0.056	<0.11	<0.16	<0.04	<0.04	<0.04	<0.04	<0.04
Tetrachloroethene	<0.049	<0.049	<0.085	<0.086	<0.092	<0.092	<0.092	<0.092	<0.092
Toluene	<0.042	<0.042	<0.067	<0.033	<0.063	<0.063	<0.063	<0.063	<0.063
2-Butanone	NR	NR	NR	NR	NR	NR	NR	NR	NR
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	ND	ND	ND	ND	ND	ND	ND	ND	ND
Semivolatile Organic Compounds (mg/L)									
(USEPA Method 8270)									
bis(2-ethylhexyl) phthalate	NR	NR	NR	NR	NR	NR	NR	NR	NR
Di-n-Butylphthalate	NR	NR	NR	NR	NR	NR	NR	NR	NR
Diethylphthalate	NR	NR	NR	NR	NR	NR	NR	NR	NR
Benzoic Acid	NR	NR	NR	NR	NR	NR	NR	NR	NR
Metals									
Arsenic, Total	0.0056	0.0069	0.0148	0.0183	trace	0.0117	0.017	0.0263	0.0042
Cadmium, Total	<0.1	trace	trace	<0.03	<0.0015	<0.018	<0.0066	0.024	<0.018
Chromium, Total	<0.2	trace	0.011	trace	trace	trace	<0.0066	0.01	0.007
Copper, Total	0.0293	0.0543	trace	trace	trace	<0.0083	<0.0076	<0.015	0.043
Lead, Total	0.0052	0.0013	trace	trace	0.0011	trace	<0.0001	0.0005	0.0012
Nickel, Total	<0.2	trace	trace	<0.02	trace	trace	<0.0025	<0.0044	0.014
General Water Quality Parameters									
Total Dissolved Solids	2,530	10,500	14,500	21,100	3,100	9,600	17,900	20,600	4,200
pH (std. units)(field)	6.41	6.91	6.54	6.92	8.21	7.37	7.37	7.67	6.46
Electraceical Conductivity (umhos/cm)(field)	15,970	14,860	23,840	29,430	5,870	15,740	15,470	18,710	27,070
Turbidity (NTU)(field)	79.1	44.9	39.7	46.7	74.7	88.1	88.1	21.8	61.8

NR = Not Requested
ND = Not Detected
* This result was revised during the first quarter 1999 to correct a laboratory reporting error.
[1] Because this constituent was detected in the method blank during laboratory QA/QC, this quarter's data was not included in the statistical evaluation.
[2] This data point appears to be anomalous, thus, it was not used in the statistical evaluation.

APPENDIX D

CERTIFIED ANALYTICAL REPORTS
AND
CHAIN-OF-CUSTODY RECORDS

BC Laboratories, Inc

Cover Report

SHAW ENVIRONMENTAL & INFRASTRUCTURE, INC.
1326 NORTH MARKET BOULEVARD
SACRAMENTO, CA 95834
Attn: JULIAN ISHAM

Project Number: 828830/02010000
COC Number:
BCL Number: 05-00422

Dear Mr. Isham:

This report contains the analytical results for the samples received under chain of custody by BC Laboratories, Inc. The samples were logged into the Laboratory Information Management System (LIMS) and BC Lab numbers were assigned to each sample. The result of the temperature check, condition of the samples and any other discrepancies were recorded on the cooler receipt form.

All applicable quality control procedures met method-specific acceptance criteria, except as noted on the following analytical and quality control reports.

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

California DOHS Certification #1186

Authorized Signature

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BC LABORATORIES INC. SAMPLE RECEIPT FORM Rev. No. 10 01/21/04 Page ___ Of ___

Submission #: 05-00422 | Project Code: | TB Batch #

SHIPPING INFORMATION

Federal Express ☐ UPS ☐ Hand Delivery ☐
BC Lab Field Service ☐ Other ☒ (Specify) CA OVER

SHIPPING CONTAINER

Ice Chest ☒ None ☐
Box ☐ Other ☐ (Specify) ___

Refrigerant: Ice ☒ Blue Ice ☐ None ☐ Other ☐ Comments:

Custody Seals: Ice Chest ☐ Intact? Yes ☐ No ☐ | Containers ☐ Intact? Yes ☐ No ☐ | None ☒ Comments:

All samples received? Yes ☒ No ☐ All samples containers intact? Yes ☒ No ☐ Description(s) match COC? Yes ☒ No ☐

COC Received ☒ YES ☐ NO

Ice Chest ID R/W
Temperature: 1.3 °C
Thermometer ID: 170990
Emissivity 0.95
Container PE
Date/Time 1-13-05
Analyst Init 825 CH

SAMPLE CONTAINERS	SAMPLE NUMBERS 1	2	3	4	5	6	7	8	9	10
QT GENERAL MINERAL/ GENERAL PHYSICAL	B	B								
PT PE UNPRESERVED										
QT INORGANIC CHEMICAL METALS										
PT INORGANIC CHEMICAL METALS										
PT CYANIDE										
PT NITROGEN FORMS										
PT TOTAL SULFIDE										
2oz. NITRATE / NITRITE										
100ml TOTAL ORGANIC CARBON										
QT TOX										
PT CHEMICAL OXYGEN DEMAND										
PtA PHENOLICS										
40ml VOA VIAL TRAVEL BLANK										
40ml VOA VIAL	A (3)	A (3)	( )	( )	( )	( )	( )	( )	( )	( )
QT EPA 413.1, 413.2, 418.1										
PT ODOR										
RADIOLOGICAL										
BACTERIOLOGICAL										
40 ml VOA VIAL- 504										
QT EPA 508/608/8080										
QT EPA 515.1/8150										
QT EPA 525										
QT EPA 525 TRAVEL BLANK										
100ml EPA 547										
100ml EPA 531.1										
QT EPA 548										
QT EPA 549										
QT EPA 632										
QT EPA 8015M										
QT QA/QC										
QT AMBER										
8 OZ. JAR										
32 OZ. JAR										
SOIL SLEEVE										
PCB VIAL										
PLASTIC BAG										
FERROUS IRON										
ENCORE										

Comments:
Sample Numbering Completed By: RAM Date/Time: 1/13/05 2:10 pm

1414

BC Laboratories, Inc

Cover Report

SHAW ENVIRONMENTAL & INFRASTRUCTURE, INC.
1326 NORTH MARKET BOULEVARD
SACRAMENTO, CA 95834
Attn: JULIAN ISHAM

Project Number: 828830/02010000
COC Number:
BCL Number: 05-00421

Dear Julian Isham:

This report contains the analytical results for the samples received under chain of custody by BC Laboratories, Inc. The samples were logged into the Laboratory Information Management System (LIMS) and BC Lab numbers were assigned to each sample. The result of the temperature check, condition of the samples and any other discrepancies were recorded on the cooler receipt form.

All applicable quality control procedures met method-specific acceptance criteria, except as noted on the following analytical and quality control reports.

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

California DOHS Certification #1186

Steven Bennett

Authorized Signature

BC LABORATORIES INC. **SAMPLE RECEIPT FORM** Rev. No. 10 01/21/04 Page 1 Of 2

Submission #: 05-00421 | Project Code: | TB Batch #

SHIPPING INFORMATION

Federal Express ☐ UPS ☐ Hand Delivery ☐
BC Lab Field Service ☐ Other ☒ (Specify) CA OVER

SHIPPING CONTAINER

Ice Chest ☒ None ☐
Box ☐ Other ☐ (Specify)

Refrigerant: Ice ☒ Blue Ice ☐ None ☐ Other ☐ Comments:

Custody Seals: Ice Chest ☐ Intact? Yes ☐ No ☐ | Containers ☐ Intact? Yes ☐ No ☐ | None ☒ Comments:

All samples received? Yes ☒ No ☐ All samples containers intact? Yes ☒ No ☐ Description(s) match COC? Yes ☐ No ☐

COC Received ☒ YES ☐ NO

Ice Chest ID R/W Temperature: 1.2 °C Thermometer ID: TH090 Emissivity 0.95 Container BTPE

Date/Time 1-13-05 Analyst Init 825 CM

SAMPLE CONTAINERS	SAMPLE NUMBERS 1	2	3	4	5	6	7	8	9	10
QT GENERAL MINERAL/ GENERAL PHYSICAL	B	B	B	B	B	B	B	B	B	B
PT PE UNPRESERVED										
QT INORGANIC CHEMICAL METALS										
PT INORGANIC CHEMICAL METALS										
PT CYANIDE										
PT NITROGEN FORMS										
PT TOTAL SULFIDE										
2oz. NITRATE / NITRITE										
100ml TOTAL ORGANIC CARBON										
QT TOX										
PT CHEMICAL OXYGEN DEMAND										
PtA PHENOLICS										
40ml VOA VIAL TRAVEL BLANK										
40ml VOA VIAL	A,3	A,3	A,3	A,3	A,3	A,3	A,3	A,3	A,3	A,3
QT EPA 413.1, 413.2, 418.1										
PT ODOR										
RADIOLOGICAL										
BACTERIOLOGICAL										
40 ml VOA VIAL- 504										
QT EPA 508/608/8080										
QT EPA 515.1/8150										
QT EPA 525										
QT EPA 525 TRAVEL BLANK										
100ml EPA 547										
100ml EPA 531.1										
QT EPA 548										
QT EPA 549										
QT EPA 632										
QT EPA 8015M										
QT QA/QC										
QT AMBER 8270			C,D		C,D					
8 OZ. JAR										
32 OZ. JAR										
SOIL SLEEVE										
PCB VIAL										
PLASTIC BAG										
FERROUS IRON										
ENCORE										

Comments:

Sample Numbering Completed By: RMM Date/Time: 1/13/05 1414

BC LABORATORIES INC. SAMPLE RECEIPT FORM Rev. No. 10 01/21/04 Page 2 Of 2

Submission #: 05-00421 | Project Code: | TB Batch #

SHIPPING INFORMATION

Federal Express ☐ UPS ☐ Hand Delivery ☐
BC Lab Field Service ☐ Other ☒ (Specify) CA OVER

SHIPPING CONTAINER

Ice Chest ☒ None ☐
Box ☐ Other ☐ (Specify)

Refrigerant: Ice ☒ Blue Ice ☐ None ☐ Other ☐ Comments:

Custody Seals: Ice Chest ☐ Intact? Yes ☐ No ☐ | Containers ☐ Intact? Yes ☐ No ☐ | None ☒ Comments:

All samples received? Yes ☒ No ☐ All samples containers intact? Yes ☒ No ☐ Description(s) match COC? Yes ☒ No ☐

COC Received ☒ YES ☐ NO

Ice Chest ID RW
Temperature: 1.3 °C
Thermometer ID: T#1080

Emissivity 0.95
Container 60 PE

Date/Time 1-13-05
Analyst Init 825 CH

SAMPLE CONTAINERS	SAMPLE NUMBERS									
	1	2	3	4	5	6	7	8	9	10
QT GENERAL MINERAL/ GENERAL PHYSICAL										
PT PE UNPRESERVED										
QT INORGANIC CHEMICAL METALS										
PT INORGANIC CHEMICAL METALS										
PT CYANIDE										
PT NITROGEN FORMS										
PT TOTAL SULFIDE										
2oz. NITRATE / NITRITE										
100ml TOTAL ORGANIC CARBON										
QT TOX										
PT CHEMICAL OXYGEN DEMAND										
PtA PHENOLICS										
40ml VOA VIAL TRAVEL BLANK										
40ml VOA VIAL	A 3	A 3	( )	( )	( )	( )	( )	( )	( )	( )
QT EPA 413.1, 413.2, 418.1										
PT ODOR										
RADIOLOGICAL										
BACTERIOLOGICAL										
40 ml VOA VIAL- 504										
QT EPA 508/608/8080										
QT EPA 515.1/8150										
QT EPA 525										
QT EPA 525 TRAVEL BLANK										
100ml EPA 547										
100ml EPA 531.1										
QT EPA 548										
QT EPA 549										
QT EPA 632										
QT EPA 8015M										
QT QA/QC										
QT AMBER										
8 OZ. JAR										
32 OZ. JAR										
SOIL SLEEVE										
PCB VIAL										
PLASTIC BAG										
FERROUS IRON										
ENCORE										

Comments:
Sample Numbering Completed By: RMM Date/Time: 1/13/05 1424

[H:\DOCS\WP80\LAB_DOCS\FORMS\SAMREC2.WPD]

CHAIN OF CUSTODY / LABORATORY ANALYSIS REQUEST FORM

Page ___ of ___

EMCON / OWT Inc.
1326 North Market Boulevard, Sacramento, CA 95834

05-00422

P.O. **206522**
Lab: **BC Labs**

Project Name: **American Canyon LF (Surface Water)**
Project Number: **828830 / 02010000**
Report to: **Julian Isham**
Company: **EMCON / OWT Inc.**
Address: **1326 North Market Boulevard**
Sacramento, CA 95834
Dir Ph: **(916) 565-4316** FAX: **(916) 565-4356**

Sampler's Signature: Paul Lienhardt

CHK BY SC | DISTRIBUTION SB SLC MH | SUB-OUT

Analysis Requested

Sample I.D.	Date	Time	LAB I.D.	Sample Matrix	Number of Containers	EPA 8260 (incl. MTBE) (LOW LEVEL 8260)	TDS (160.1); Metals (see below) (Do Not Filter)	REMARKS
						1	Qrt LPE	Container Types
						NP	NP	Preservations
-1 S-1	1-12	724		water	4	3	1	
-2 S-2	1-12	705		water	4	3	1	

RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY
Signature: Paul Lienhardt	Signature	Signature	Signature
Printed Name: Paul Lienhardt	Printed Name: Cooper	Printed Name	Printed Name
Firm: SMW EMI	Firm	Firm	Firm
Date/Time: 1-12-05 1210	Date/Time: 1-12-05 1210	Date/Time	Date/Time

TURNAROUND REQUIREMENTS
24 hr ___ 48 hr ___ 5 day
X Standard (~10-15 working days)
___ Provide Verbal Preliminary Results
___ Provide FAX Preliminary Results
Requested Report Date: ___

REPORT REQUIREMENTS
___ I. Routine Report
X II. Report (includes DUP, MS MSD, as required, may be charged as samples)
___ III. Data Validation Report (includes All Raw Data)
X RWQCB (MDLs/PQLs/TRACE#)

RELINQUISHED BY	RECEIVED BY
Signature	Signature: JAIME HURTADO
Printed Name	Printed Name: BC LABS
Firm	Firm: 1-13-05 820
Date/Time	Date/Time

Special Instructions/Comments:

Metals: As (7060), Cr (6010), Cd (6010), Cu (6010), Pb (7421), Ni (6010).

Please report MDLs, PQLs, and Trace.
Tier II QC required.

BC Labs - Tina Green
4100 Atlas Court
Bakersfield, Ca 93308
661-327-4911 / Fx: 327-1918
Fed X Acct# 137860325
Calif Ovrnight# 22275

Container Types Key:

40 ml VOA:	1
250 ml LPE:	2
500 ml LPE:	3
1 liter HDPE:	4
500 ml glass:	5
1 liter glass:	6
2x6 s/s ring:	7
glass jar:	8

BC Laboratories, Inc

SHAW ENVIRONMENTAL & INFRASTRUCTURE, INC.
1326 NORTH MARKET BOULEVARD
SACRAMENTO, CA 95834
Attn: JULIAN ISHAM

Water Analysis (Metals)

COC Number	---	**Receive Date/Time**	01/13/2005 @ 08:20
Project Number	828830/02010000	**Sampling Date/Time**	01/12/2005 @ 07:21
Sampling Location	AMERICAN CANYON LANDFILL	**Sample Depth**	---
Sampling Point	S-1	**Sample Matrix**	SURFACE WATER
Sampled By	PAUL WEINHARDT	**BCL Sample ID**	05-00422-1

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date	Run Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Total Cadmium	None Detected	ug/L	10	1.8	EPA-6010	01/19/05	01/21/05	19:14	ARD	PE-OP2	1	385-101753	ND	
Total Chromium	10	ug/L	10	0.17	EPA-6010	01/19/05	01/21/05	19:14	ARD	PE-OP2	1	385-101753	ND	
Total Copper	46	ug/L	10	0.83	EPA-6010	01/19/05	01/21/05	19:14	ARD	PE-OP2	1	385-101753	ND	
Total Nickel	12	ug/L	10	0.37	EPA-6010	01/19/05	01/21/05	19:14	ARD	PE-OP2	1	385-101753	0.40	
Total Recoverable Arsenic	4.6	ug/L	2	0.90	EPA-200.8	01/18/05	01/28/05	04:00	MJP	PE-EL1	1	352-101737	ND	
Total Recoverable Lead	4.2	ug/L	1	0.020	EPA-200.8	01/18/05	01/28/05	04:00	MJP	PE-EL1	1	352-101737	0.060	

Comments

Sample was filtered thru 0.45 u filter and acidified prior to metal analysis.

California DOHS Certification #1186

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BC Laboratories, Inc

SHAW ENVIRONMENTAL & INFRASTRUCTURE, INC.
1326 NORTH MARKET BOULEVARD
SACRAMENTO, CA 95834
Attn: JULIAN ISHAM

Water Analysis (Metals)

COC Number	---	**Receive Date/Time**	01/13/2005 @ 08:20
Project Number	828830/02010000	**Sampling Date/Time**	01/12/2005 @ 07:05
Sampling Location	AMERICAN CANYON LANDFILL	**Sample Depth**	---
Sampling Point	S-2	**Sample Matrix**	SURFACE WATER
Sampled By	PAUL WEINHARDT	**BCL Sample ID**	05-00422-2

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date	Run Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Total Cadmium	None Detected	ug/L	100	18	EPA-6010	01/19/05	01/21/05	19:20	ARD	PE-OP2	10	385-101753	ND	A01
Total Chromium	7.0	ug/L	100	1.7	EPA-6010	01/19/05	01/21/05	19:20	ARD	PE-OP2	10	385-101753	ND	A01,R01
Total Copper	43	ug/L	100	8.3	EPA-6010	01/19/05	01/21/05	19:20	ARD	PE-OP2	10	385-101753	ND	A01,R01
Total Nickel	14	ug/L	100	3.7	EPA-6010	01/19/05	01/21/05	19:20	ARD	PE-OP2	10	385-101753	4.0	A01,R01
Total Recoverable Arsenic	4.2	ug/L	2	0.90	EPA-200.8	01/18/05	01/28/05	04:06	MJP	PE-EL1	1	352-101737	ND	
Total Recoverable Lead	1.2	ug/L	1	0.020	EPA-200.8	01/18/05	01/28/05	04:06	MJP	PE-EL1	1	352-101737	0.060	

Flag	Explanations
A01	PQL's and MDL's are raised due to sample dilution.
R01	The sample result is between the MDL and PQL.

Comments

Sample was filtered thru 0.45 u filter and acidified prior to metal analysis.

California DOHS Certification #1186

BC Laboratories, Inc

SHAW ENVIRONMENTAL & INFRASTRUCTURE, INC.
1326 NORTH MARKET BOULEVARD
SACRAMENTO, CA 95834
Attn: JULIAN ISHAM

Water Analysis (General Chemistry)

COC Number	---	**Receive Date/Time**	01/13/2005 @ 08:20
Project Number	828830/02010000	**Sampling Date/Time**	01/12/2005 @ 07:21
Sampling Location	AMERICAN CANYON LANDFILL	**Sample Depth**	---
Sampling Point	S-1	**Sample Matrix**	SURFACE WATER
Sampled By	PAUL WEINHARDT	**BCL Sample ID**	05-00422-1

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date	Run Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Total Dissolved Solids @ 180 C	960	mg/L	50	30	EPA-160.1	01/17/05	01/17/05	12:00	MV1	MANUAL	5	284-102807	ND	

California DOHS Certification #1186

BC Laboratories, Inc

SHAW ENVIRONMENTAL & INFRASTRUCTURE, INC.
1326 NORTH MARKET BOULEVARD
SACRAMENTO, CA 95834
Attn: JULIAN ISHAM

Water Analysis (General Chemistry)

COC Number	---	**Receive Date/Time**	01/13/2005 @ 08:20
Project Number	828830/02010000	**Sampling Date/Time**	01/12/2005 @ 07:05
Sampling Location	AMERICAN CANYON LANDFILL	**Sample Depth**	---
Sampling Point	S-2	**Sample Matrix**	SURFACE WATER
Sampled By	PAUL WEINHARDT	**BCL Sample ID**	05-00422-2

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date	Run Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Total Dissolved Solids @ 180 C	4200	mg/L	500	300	EPA-160.1	01/17/05	01/17/05	12:00	MV1	MANUAL	50	284-102807	ND	

California DOHS Certification #1186

BC Laboratories, Inc

SHAW ENVIRONMENTAL & INFRASTRUCTURE, INC.
1326 NORTH MARKET BOULEVARD
SACRAMENTO, CA 95834
Attn: JULIAN ISHAM

Volatile Organic Analysis (EPA Method 8260)

COC Number	---	**Receive Date/Time**	01/13/2005 @ 08:20
Project Number	828830/02010000	**Sampling Date/Time**	01/12/2005 @ 07:21
Sampling Location	AMERICAN CANYON LANDFILL	**Sample Depth**	---
Sampling Point	S-1	**Sample Matrix**	SURFACE WATER
Sampled By	PAUL WEINHARDT	**BCL Sample ID**	05-00422-1

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date	Run Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Benzene	None Detected	ug/L	0.5	0.057	8260	01/15/05	01/15/05	00:51	MGC	MS-V5	1	317-100893	ND	
Bromobenzene	None Detected	ug/L	0.5	0.14	8260	01/15/05	01/15/05	00:51	MGC	MS-V5	1	317-100893	ND	
Bromochloromethane	None Detected	ug/L	0.5	0.14	8260	01/15/05	01/15/05	00:51	MGC	MS-V5	1	317-100893	ND	
Bromodichloromethane	None Detected	ug/L	0.5	0.092	8260	01/15/05	01/15/05	00:51	MGC	MS-V5	1	317-100893	ND	
Bromoform	None Detected	ug/L	0.5	0.050	8260	01/15/05	01/15/05	00:51	MGC	MS-V5	1	317-100893	ND	
Bromomethane	None Detected	ug/L	1	0.20	8260	01/15/05	01/15/05	00:51	MGC	MS-V5	1	317-100893	ND	V11
n-Butylbenzene	None Detected	ug/L	0.5	0.050	8260	01/15/05	01/15/05	00:51	MGC	MS-V5	1	317-100893	ND	
sec-Butylbenzene	None Detected	ug/L	0.5	0.050	8260	01/15/05	01/15/05	00:51	MGC	MS-V5	1	317-100893	ND	
tert-Butylbenzene	None Detected	ug/L	0.5	0.12	8260	01/15/05	01/15/05	00:51	MGC	MS-V5	1	317-100893	ND	
Carbon tetrachloride	None Detected	ug/L	0.5	0.094	8260	01/15/05	01/15/05	00:51	MGC	MS-V5	1	317-100893	ND	
Chlorobenzene	None Detected	ug/L	0.5	0.11	8260	01/15/05	01/15/05	00:51	MGC	MS-V5	1	317-100893	ND	
Chloroethane	None Detected	ug/L	0.5	0.14	8260	01/15/05	01/15/05	00:51	MGC	MS-V5	1	317-100893	ND	
Chloroform	None Detected	ug/L	0.5	0.050	8260	01/15/05	01/15/05	00:51	MGC	MS-V5	1	317-100893	ND	
Chloromethane	None Detected	ug/L	0.5	0.098	8260	01/15/05	01/15/05	00:51	MGC	MS-V5	1	317-100893	ND	
2-Chlorotoluene	None Detected	ug/L	0.5	0.14	8260	01/15/05	01/15/05	00:51	MGC	MS-V5	1	317-100893	ND	
4-Chlorotoluene	None Detected	ug/L	0.5	0.088	8260	01/15/05	01/15/05	00:51	MGC	MS-V5	1	317-100893	ND	
Dibromochloromethane	None Detected	ug/L	0.5	0.14	8260	01/15/05	01/15/05	00:51	MGC	MS-V5	1	317-100893	ND	
1,2-Dibromo-3-chloropropane	None Detected	ug/L	1	0.39	8260	01/15/05	01/15/05	00:51	MGC	MS-V5	1	317-100893	ND	
1,2-Dibromoethane	None Detected	ug/L	0.5	0.11	8260	01/15/05	01/15/05	00:51	MGC	MS-V5	1	317-100893	ND	
Dibromomethane	None Detected	ug/L	0.5	0.065	8260	01/15/05	01/15/05	00:51	MGC	MS-V5	1	317-100893	ND	
1,2-Dichlorobenzene	None Detected	ug/L	0.5	0.050	8260	01/15/05	01/15/05	00:51	MGC	MS-V5	1	317-100893	ND	
1,3-Dichlorobenzene	None Detected	ug/L	0.5	0.087	8260	01/15/05	01/15/05	00:51	MGC	MS-V5	1	317-100893	ND	
1,4-Dichlorobenzene	None Detected	ug/L	0.5	0.051	8260	01/15/05	01/15/05	00:51	MGC	MS-V5	1	317-100893	ND	

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Volatile Organic Analysis (EPA Method 8260)

Sample Description	828830/02010000, AMERICAN CANYON LANDFILL, S-1, 01/12/2005 @ 07:21, PAUL WEINHARDT

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date	Run Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Dichlorodifluoromethane	None Detected	ug/L	0.5	0.11	8260	01/15/05	01/15/05	00:51	MGC	MS-V5	1	317-100893	ND	
1,1-Dichloroethane	None Detected	ug/L	0.5	0.060	8260	01/15/05	01/15/05	00:51	MGC	MS-V5	1	317-100893	ND	
1,2-Dichloroethane	None Detected	ug/L	0.5	0.060	8260	01/15/05	01/15/05	00:51	MGC	MS-V5	1	317-100893	ND	
1,1-Dichloroethene	None Detected	ug/L	0.5	0.050	8260	01/15/05	01/15/05	00:51	MGC	MS-V5	1	317-100893	ND	
cis-1,2-Dichloroethene	None Detected	ug/L	0.5	0.070	8260	01/15/05	01/15/05	00:51	MGC	MS-V5	1	317-100893	ND	
trans-1,2-Dichloroethene	None Detected	ug/L	0.5	0.094	8260	01/15/05	01/15/05	00:51	MGC	MS-V5	1	317-100893	ND	
1,2-Dichloropropane	None Detected	ug/L	0.5	0.14	8260	01/15/05	01/15/05	00:51	MGC	MS-V5	1	317-100893	ND	
1,3-Dichloropropane	None Detected	ug/L	0.5	0.078	8260	01/15/05	01/15/05	00:51	MGC	MS-V5	1	317-100893	ND	
2,2-Dichloropropane	None Detected	ug/L	0.5	0.099	8260	01/15/05	01/15/05	00:51	MGC	MS-V5	1	317-100893	ND	
1,1-Dichloropropene	None Detected	ug/L	0.5	0.074	8260	01/15/05	01/15/05	00:51	MGC	MS-V5	1	317-100893	ND	
cis-1,3-Dichloropropene	None Detected	ug/L	0.5	0.056	8260	01/15/05	01/15/05	00:51	MGC	MS-V5	1	317-100893	ND	
trans-1,3-Dichloropropene	None Detected	ug/L	0.5	0.080	8260	01/15/05	01/15/05	00:51	MGC	MS-V5	1	317-100893	ND	
Ethylbenzene	None Detected	ug/L	0.5	0.077	8260	01/15/05	01/15/05	00:51	MGC	MS-V5	1	317-100893	ND	
Hexachlorobutadiene	None Detected	ug/L	0.5	0.12	8260	01/15/05	01/15/05	00:51	MGC	MS-V5	1	317-100893	ND	
Isopropylbenzene	None Detected	ug/L	0.5	0.22	8260	01/15/05	01/15/05	00:51	MGC	MS-V5	1	317-100893	ND	
p-Isopropyltoluene	None Detected	ug/L	0.5	0.094	8260	01/15/05	01/15/05	00:51	MGC	MS-V5	1	317-100893	ND	
Methylene chloride	None Detected	ug/L	1	0.067	8260	01/15/05	01/15/05	00:51	MGC	MS-V5	1	317-100893	ND	
Naphthalene	None Detected	ug/L	0.5	0.098	8260	01/15/05	01/15/05	00:51	MGC	MS-V5	1	317-100893	ND	
n-Propylbenzene	None Detected	ug/L	0.5	0.055	8260	01/15/05	01/15/05	00:51	MGC	MS-V5	1	317-100893	ND	
Styrene	None Detected	ug/L	0.5	0.12	8260	01/15/05	01/15/05	00:51	MGC	MS-V5	1	317-100893	ND	
1,1,1,2-Tetrachloroethane	None Detected	ug/L	0.5	0.18	8260	01/15/05	01/15/05	00:51	MGC	MS-V5	1	317-100893	ND	
1,1,2,2-Tetrachloroethane	None Detected	ug/L	0.5	0.23	8260	01/15/05	01/15/05	00:51	MGC	MS-V5	1	317-100893	ND	
Tetrachloroethene	None Detected	ug/L	0.5	0.13	8260	01/15/05	01/15/05	00:51	MGC	MS-V5	1	317-100893	ND	
Toluene	None Detected	ug/L	0.5	0.083	8260	01/15/05	01/15/05	00:51	MGC	MS-V5	1	317-100893	ND	
1,2,3-Trichlorobenzene	None Detected	ug/L	0.5	0.12	8260	01/15/05	01/15/05	00:51	MGC	MS-V5	1	317-100893	ND	
1,2,4-Trichlorobenzene	None Detected	ug/L	0.5	0.16	8260	01/15/05	01/15/05	00:51	MGC	MS-V5	1	317-100893	ND	
1,1,1-Trichloroethane	None Detected	ug/L	0.5	0.081	8260	01/15/05	01/15/05	00:51	MGC	MS-V5	1	317-100893	ND	
1,1,2-Trichloroethane	None Detected	ug/L	0.5	0.094	8260	01/15/05	01/15/05	00:51	MGC	MS-V5	1	317-100893	ND	
Trichloroethene	None Detected	ug/L	0.5	0.075	8260	01/15/05	01/15/05	00:51	MGC	MS-V5	1	317-100893	ND	
Trichlorofluoromethane	None Detected	ug/L	0.5	0.060	8260	01/15/05	01/15/05	00:51	MGC	MS-V5	1	317-100893	ND	
1,2,3-Trichloropropane	None Detected	ug/L	1	0.46	8260	01/15/05	01/15/05	00:51	MGC	MS-V5	1	317-100893	ND	
1,1,2-Trichloro-1,2,2-trifluoroethane	None Detected	ug/L	0.5	0.081	8260	01/15/05	01/15/05	00:51	MGC	MS-V5	1	317-100893	ND	
1,2,4-Trimethylbenzene	None Detected	ug/L	0.5	0.050	8260	01/15/05	01/15/05	00:51	MGC	MS-V5	1	317-100893	ND	
1,3,5-Trimethylbenzene	None Detected	ug/L	0.5	0.059	8260	01/15/05	01/15/05	00:51	MGC	MS-V5	1	317-100893	ND	

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Volatile Organic Analysis (EPA Method 8260)

Sample Description	828830/02010000, AMERICAN CANYON LANDFILL, S-1, 01/12/2005 @ 07:21, PAUL WEINHARDT

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date	Run Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Vinyl chloride	None Detected	ug/L	0.5	0.11	8260	01/15/05	01/15/05	00:51	MGC	MS-V5	1	317-100893	ND	
Total Xylenes	None Detected	ug/L	1	0.16	8260	01/15/05	01/15/05	00:51	MGC	MS-V5	1	317-100893	ND	
Methyl t-butyl ether	None Detected	ug/L	0.5	0.056	8260	01/15/05	01/15/05	00:51	MGC	MS-V5	1	317-100893	ND	

Surrogate Compounds	Result	Units	Control Limits	Method	Prep Date	Run Date	Run Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
1,2-Dichloroethane-d4	88	%	76-114	8260	01/15/05	01/15/05	00:51	MGC	MS-V5	1	317-100893		
Toluene-d8	98	%	88-110	8260	01/15/05	01/15/05	00:51	MGC	MS-V5	1	317-100893		
4-Bromofluorobenzene	99	%	86-115	8260	01/15/05	01/15/05	00:51	MGC	MS-V5	1	317-100893		

Flag	Explanations
V11	The Continuing Calibration Verification (CCV) recovery is not within established control limits.

California DOHS Certification #1186

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SHAW ENVIRONMENTAL & INFRASTRUCTURE, INC.
1326 NORTH MARKET BOULEVARD
SACRAMENTO, CA 95834
Attn: JULIAN ISHAM

Volatile Organic Analysis (EPA Method 8260)

COC Number	---	**Receive Date/Time**	01/13/2005 @ 08:20
Project Number	828830/02010000	**Sampling Date/Time**	01/12/2005 @ 07:05
Sampling Location	AMERICAN CANYON LANDFILL	**Sample Depth**	---
Sampling Point	S-2	**Sample Matrix**	SURFACE WATER
Sampled By	PAUL WEINHARDT	**BCL Sample ID**	05-00422-2

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date	Run Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Benzene	None Detected	ug/L	0.5	0.057	8260	01/15/05	01/15/05	06:09	MGC	MS-V5	1	317-100893	ND	
Bromobenzene	None Detected	ug/L	0.5	0.14	8260	01/15/05	01/15/05	06:09	MGC	MS-V5	1	317-100893	ND	
Bromochloromethane	None Detected	ug/L	0.5	0.14	8260	01/15/05	01/15/05	06:09	MGC	MS-V5	1	317-100893	ND	
Bromodichloromethane	None Detected	ug/L	0.5	0.092	8260	01/15/05	01/15/05	06:09	MGC	MS-V5	1	317-100893	ND	
Bromoform	None Detected	ug/L	0.5	0.050	8260	01/15/05	01/15/05	06:09	MGC	MS-V5	1	317-100893	ND	
Bromomethane	None Detected	ug/L	1	0.20	8260	01/15/05	01/15/05	06:09	MGC	MS-V5	1	317-100893	ND	
n-Butylbenzene	None Detected	ug/L	0.5	0.050	8260	01/15/05	01/15/05	06:09	MGC	MS-V5	1	317-100893	ND	
sec-Butylbenzene	None Detected	ug/L	0.5	0.050	8260	01/15/05	01/15/05	06:09	MGC	MS-V5	1	317-100893	ND	
tert-Butylbenzene	None Detected	ug/L	0.5	0.12	8260	01/15/05	01/15/05	06:09	MGC	MS-V5	1	317-100893	ND	
Carbon tetrachloride	None Detected	ug/L	0.5	0.094	8260	01/15/05	01/15/05	06:09	MGC	MS-V5	1	317-100893	ND	
Chlorobenzene	None Detected	ug/L	0.5	0.11	8260	01/15/05	01/15/05	06:09	MGC	MS-V5	1	317-100893	ND	
Chloroethane	None Detected	ug/L	0.5	0.14	8260	01/15/05	01/15/05	06:09	MGC	MS-V5	1	317-100893	ND	
Chloroform	None Detected	ug/L	0.5	0.050	8260	01/15/05	01/15/05	06:09	MGC	MS-V5	1	317-100893	ND	
Chloromethane	None Detected	ug/L	0.5	0.098	8260	01/15/05	01/15/05	06:09	MGC	MS-V5	1	317-100893	ND	
2-Chlorotoluene	None Detected	ug/L	0.5	0.14	8260	01/15/05	01/15/05	06:09	MGC	MS-V5	1	317-100893	ND	
4-Chlorotoluene	None Detected	ug/L	0.5	0.088	8260	01/15/05	01/15/05	06:09	MGC	MS-V5	1	317-100893	ND	
Dibromochloromethane	None Detected	ug/L	0.5	0.14	8260	01/15/05	01/15/05	06:09	MGC	MS-V5	1	317-100893	ND	
1,2-Dibromo-3-chloropropane	None Detected	ug/L	1	0.39	8260	01/15/05	01/15/05	06:09	MGC	MS-V5	1	317-100893	ND	
1,2-Dibromoethane	None Detected	ug/L	0.5	0.11	8260	01/15/05	01/15/05	06:09	MGC	MS-V5	1	317-100893	ND	
Dibromomethane	None Detected	ug/L	0.5	0.065	8260	01/15/05	01/15/05	06:09	MGC	MS-V5	1	317-100893	ND	
1,2-Dichlorobenzene	None Detected	ug/L	0.5	0.050	8260	01/15/05	01/15/05	06:09	MGC	MS-V5	1	317-100893	ND	
1,3-Dichlorobenzene	None Detected	ug/L	0.5	0.087	8260	01/15/05	01/15/05	06:09	MGC	MS-V5	1	317-100893	ND	
1,4-Dichlorobenzene	None Detected	ug/L	0.5	0.051	8260	01/15/05	01/15/05	06:09	MGC	MS-V5	1	317-100893	ND	

BC Laboratories, Inc

Volatile Organic Analysis (EPA Method 8260)

Sample Description	828830/02010000, AMERICAN CANYON LANDFILL, S-2, 01/12/2005 @ 07:05, PAUL WEINHARDT

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date	Run Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Dichlorodifluoromethane	None Detected	ug/L	0.5	0.11	8260	01/15/05	01/15/05	06:09	MGC	MS-V5	1	317-100893	ND	
1,1-Dichloroethane	None Detected	ug/L	0.5	0.060	8260	01/15/05	01/15/05	06:09	MGC	MS-V5	1	317-100893	ND	
1,2-Dichloroethane	None Detected	ug/L	0.5	0.060	8260	01/15/05	01/15/05	06:09	MGC	MS-V5	1	317-100893	ND	
1,1-Dichloroethene	None Detected	ug/L	0.5	0.050	8260	01/15/05	01/15/05	06:09	MGC	MS-V5	1	317-100893	ND	
cis-1,2-Dichloroethene	None Detected	ug/L	0.5	0.070	8260	01/15/05	01/15/05	06:09	MGC	MS-V5	1	317-100893	ND	
trans-1,2-Dichloroethene	None Detected	ug/L	0.5	0.094	8260	01/15/05	01/15/05	06:09	MGC	MS-V5	1	317-100893	ND	
1,2-Dichloropropane	None Detected	ug/L	0.5	0.14	8260	01/15/05	01/15/05	06:09	MGC	MS-V5	1	317-100893	ND	
1,3-Dichloropropane	None Detected	ug/L	0.5	0.078	8260	01/15/05	01/15/05	06:09	MGC	MS-V5	1	317-100893	ND	
2,2-Dichloropropane	None Detected	ug/L	0.5	0.099	8260	01/15/05	01/15/05	06:09	MGC	MS-V5	1	317-100893	ND	
1,1-Dichloropropene	None Detected	ug/L	0.5	0.074	8260	01/15/05	01/15/05	06:09	MGC	MS-V5	1	317-100893	ND	
cis-1,3-Dichloropropene	None Detected	ug/L	0.5	0.056	8260	01/15/05	01/15/05	06:09	MGC	MS-V5	1	317-100893	ND	
trans-1,3-Dichloropropene	None Detected	ug/L	0.5	0.080	8260	01/15/05	01/15/05	06:09	MGC	MS-V5	1	317-100893	ND	
Ethylbenzene	None Detected	ug/L	0.5	0.077	8260	01/15/05	01/15/05	06:09	MGC	MS-V5	1	317-100893	ND	
Hexachlorobutadiene	None Detected	ug/L	0.5	0.12	8260	01/15/05	01/15/05	06:09	MGC	MS-V5	1	317-100893	ND	
Isopropylbenzene	None Detected	ug/L	0.5	0.22	8260	01/15/05	01/15/05	06:09	MGC	MS-V5	1	317-100893	ND	
p-Isopropyltoluene	None Detected	ug/L	0.5	0.094	8260	01/15/05	01/15/05	06:09	MGC	MS-V5	1	317-100893	ND	
Methylene chloride	None Detected	ug/L	1	0.067	8260	01/15/05	01/15/05	06:09	MGC	MS-V5	1	317-100893	ND	
Naphthalene	None Detected	ug/L	0.5	0.098	8260	01/15/05	01/15/05	06:09	MGC	MS-V5	1	317-100893	ND	
n-Propylbenzene	None Detected	ug/L	0.5	0.055	8260	01/15/05	01/15/05	06:09	MGC	MS-V5	1	317-100893	ND	
Styrene	None Detected	ug/L	0.5	0.12	8260	01/15/05	01/15/05	06:09	MGC	MS-V5	1	317-100893	ND	
1,1,1,2-Tetrachloroethane	None Detected	ug/L	0.5	0.18	8260	01/15/05	01/15/05	06:09	MGC	MS-V5	1	317-100893	ND	
1,1,2,2-Tetrachloroethane	None Detected	ug/L	0.5	0.23	8260	01/15/05	01/15/05	06:09	MGC	MS-V5	1	317-100893	ND	
Tetrachloroethene	None Detected	ug/L	0.5	0.13	8260	01/15/05	01/15/05	06:09	MGC	MS-V5	1	317-100893	ND	
Toluene	None Detected	ug/L	0.5	0.083	8260	01/15/05	01/15/05	06:09	MGC	MS-V5	1	317-100893	ND	
1,2,3-Trichlorobenzene	None Detected	ug/L	0.5	0.12	8260	01/15/05	01/15/05	06:09	MGC	MS-V5	1	317-100893	ND	
1,2,4-Trichlorobenzene	None Detected	ug/L	0.5	0.16	8260	01/15/05	01/15/05	06:09	MGC	MS-V5	1	317-100893	ND	
1,1,1-Trichloroethane	None Detected	ug/L	0.5	0.081	8260	01/15/05	01/15/05	06:09	MGC	MS-V5	1	317-100893	ND	
1,1,2-Trichloroethane	None Detected	ug/L	0.5	0.094	8260	01/15/05	01/15/05	06:09	MGC	MS-V5	1	317-100893	ND	
Trichloroethene	None Detected	ug/L	0.5	0.075	8260	01/15/05	01/15/05	06:09	MGC	MS-V5	1	317-100893	ND	
Trichlorofluoromethane	None Detected	ug/L	0.5	0.060	8260	01/15/05	01/15/05	06:09	MGC	MS-V5	1	317-100893	ND	
1,2,3-Trichloropropane	None Detected	ug/L	1	0.46	8260	01/15/05	01/15/05	06:09	MGC	MS-V5	1	317-100893	ND	
1,1,2-Trichloro-1,2,2-trifluoroethane	None Detected	ug/L	0.5	0.081	8260	01/15/05	01/15/05	06:09	MGC	MS-V5	1	317-100893	ND	
1,2,4-Trimethylbenzene	None Detected	ug/L	0.5	0.050	8260	01/15/05	01/15/05	06:09	MGC	MS-V5	1	317-100893	ND	
1,3,5-Trimethylbenzene	None Detected	ug/L	0.5	0.059	8260	01/15/05	01/15/05	06:09	MGC	MS-V5	1	317-100893	ND	

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Volatile Organic Analysis (EPA Method 8260)

Sample Description	828830/02010000, AMERICAN CANYON LANDFILL, S-2, 01/12/2005 @ 07:05, PAUL WEINHARDT

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date	Run Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Vinyl chloride	None Detected	ug/L	0.5	0.11	8260	01/15/05	01/15/05	06:09	MGC	MS-V5	1	317-100893	ND	
Total Xylenes	None Detected	ug/L	1	0.16	8260	01/15/05	01/15/05	06:09	MGC	MS-V5	1	317-100893	ND	
Methyl t-butyl ether	None Detected	ug/L	0.5	0.056	8260	01/15/05	01/15/05	06:09	MGC	MS-V5	1	317-100893	ND	

Surrogate Compounds	Result	Units	Control Limits	Method	Prep Date	Run Date	Run Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
1,2-Dichloroethane-d4	94	%	76-114	8260	01/15/05	01/15/05	06:09	MGC	MS-V5	1	317-100893		
Toluene-d8	98	%	88-110	8260	01/15/05	01/15/05	06:09	MGC	MS-V5	1	317-100893		
4-Bromofluorobenzene	99	%	86-115	8260	01/15/05	01/15/05	06:09	MGC	MS-V5	1	317-100893		

California DOHS Certification #1186

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B C LABORATORIES
QUALITY CONTROL REPORT
(Instrumental & Blank Parameters)

SHAW ENVIRONMENTAL & INFRASTRUCTURE, INC
1326 NORTH MARKET BOULEVARD
SACRAMENTO, CA 95834
JULIAN ISHAM

Date of Report: 02/03/2005
Sample Matrix: SURFACE WATER
QC Batch ID: 200500422-1*WATER

Samples Affected: 05-00422-1, 05-00422-2

Constituents	Method Blank Readings	Units
Total Dissolved Solids @ 180 C	<10.	mg/L

Quality Control Officer

Authorized Signature

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B C LABORATORIES
QUALITY CONTROL REPORT
(Precision & Accuracy)

SHAW ENVIRONMENTAL & INFRASTRUCTURE, INC.
1326 NORTH MARKET BOULEVARD
SACRAMENTO, CA 95834
JULIAN ISHAM

Date of Report: 02/03/2005
Sample Matrix: SURFACE WATER
QC Batch ID: 200500422-1*WATER

Samples Affected: 05-00422-1, 05-00422-2

Constituents	QC Sample ID	Sample Result	Sample Duplicate	Units	Sample R.P.D.	Precision Control Limits
Total Dissolved Solids @ 180 C	00421-6-B2	18800.	17500.	mg/L	7.	10

RPD = Relative Percent Difference

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B C LABORATORIES
QUALITY CONTROL REPORT
(Laboratory Control Sample)

SHAW ENVIRONMENTAL & INFRASTRUCTURE, INC.
1326 NORTH MARKET BOULEVARD
SACRAMENTO, CA 95834
JULIAN ISHAM

Date of Report: 02/03/2005
Sample Matrix: SURFACE WATER
QC Batch ID: 200500422-1*WATER

Samples Affected: 05-00422-1, 05-00422-2

Constituents	QC Sample ID	Sample Result	Spike Level	Units	% Rec	Accuracy Control Limits
Total Dissolved Solids @ 180 C	LCSW1	585.00	586.	mg/L	100.	90 - 110

Quality Control Officer

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B C LABORATORIES
QUALITY CONTROL REPORT
(Precision & Accuracy)

SHAW ENVIRONMENTAL & INFRASTRUCTURE, INC.
1326 NORTH MARKET BOULEVARD
SACRAMENTO, CA 95834
JULIAN ISHAM

Date of Report: 02/03/2005
Sample Matrix: SURFACE WATER
QC Batch ID: 200500422-1*METALS

Samples Affected: 05-00422-1, 05-00422-2

Constituents	QC Sample ID	Sample Result	Sample Duplicate	MS Result	MSD Result	MS Spike Level	MSD Spike Level	Units	Precision Sample R.P.D.	Precision Spike R.P.D.	Precision Control Limits	Accuracy MS % Rec	Accuracy MSD % Rec	Accuracy Control Limits
Total Cadmium	TOTAL-517-2-B3	< 10.	< 10.	236.9	234.4	200.0	200.0	µg/L	<PQL	1.	20	119.	118.	75 - 125
Total Chromium	TOTAL-517-2-B3	< 10.	< 10.	232.9	234.1	200.0	200.0	µg/L	<PQL	1.	20	114.	115.	75 - 125
Total Copper	TOTAL-517-2-B3	5.900	5.200	237.6	236.9	200.0	200.0	µg/L	<PQL	0.	20	116.	116.	75 - 125
Total Nickel	TOTAL-517-2-B3	< 10.	< 10.	450.2	453.4	400.0	400.0	µg/L	<PQL	1.	20	112.	113.	75 - 125
Total Recoverable Arsenic	TRM-00478-1-B2	1.221	1.354	60.28	60.72	50.00	50.00	µg/L	<PQL	1.	20	118.	119.	70 - 130
Total Recoverable Lead	TRM-00478-1-B2	< 1.	< 1.	56.09	55.29	50.00	50.00	µg/L	<PQL	1.	20	112.	110.	70 - 130

MS = Matrix Spike; MSD = Matrix Spike Duplicate; RPD = Relative Percent Difference

Quality Control Officer

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B C LABORATORIES
QUALITY CONTROL REPORT
(Instrumental & Blank Parameters)

SHAW ENVIRONMENTAL & INFRASTRUCTURE, INC
1326 NORTH MARKET BOULEVARD
SACRAMENTO, CA 95834
JULIAN ISHAM

Date of Report: 02/03/2005
Sample Matrix: SURFACE WATER
QC Batch ID: 200500422-1*METALS

Samples Affected: 05-00422-1, 05-00422-2

Constituents	Method Blank Readings	Units
Total Cadmium	<10.	µg/L
Total Chromium	<10.	µg/L
Total Copper	<10.	µg/L
Total Nickel	0.40	µg/L
Total Recoverable Arsenic	< 2.	µg/L
Total Recoverable Lead	0.060	µg/L

The trace detections for Total Nickel and Total Recoverable Lead are estimated values between the MDL and PQL.

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B C LABORATORIES
QUALITY CONTROL REPORT
(Laboratory Control Sample)

SHAW ENVIRONMENTAL & INFRASTRUCTURE, INC.
1326 NORTH MARKET BOULEVARD
SACRAMENTO, CA 95834
JULIAN ISHAM

Date of Report: 02/03/2005
Sample Matrix: SURFACE WATER
QC Batch ID: 200500422-1*METALS

Samples Affected: 05-00422-1, 05-00422-2

Constituents	QC Sample ID	Sample Result	Spike Level	Units	% Rec	Accuracy Control Limits
Total Cadmium	TOTAL-LCSW	219.30	200.	µg/L	110.	85 - 115
Total Chromium	TOTAL-LCSW	210.60	200.	µg/L	105.	85 - 115
Total Copper	TOTAL-LCSW	199.30	200.	µg/L	100.	85 - 115
Total Nickel	TOTAL-LCSW	401.40	400.	µg/L	100.	85 - 115
Total Recoverable Arsenic	TRM-LCSW2-	49.877	50.0	µg/L	100.	85 - 115
Total Recoverable Lead	TRM-LCSW2-	45.459	50.0	µg/L	91.	85 - 115

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QUALITY CONTROL REPORT
(Instrumental & Blank Parameters)
Method 8260

SHAW ENVIRONMENTAL & INFRASTRUCTURE, INC
1326 NORTH MARKET BOULEVARD
SACRAMENTO, CA 95834
JULIAN ISHAM

Date of Report: 01/24/2005
Sample Matrix: SURFACE WATER
QC Batch ID: 200500422-1*8260

Samples Affected: 05-00422-1, 05-00422-2

Constituents	Method Blank Readings	Units
Benzene	< 0.5	µg/L
Bromobenzene	< 0.5	µg/L
Bromochloromethane	< 0.5	µg/L
Bromodichloromethane	< 0.5	µg/L
Bromoform	< 0.5	µg/L
Bromomethane	< 1.	µg/L
n-Butylbenzene	< 0.5	µg/L
sec-Butylbenzene	< 0.5	µg/L
tert-Butylbenzene	< 0.5	µg/L
Carbon tetrachloride	< 0.5	µg/L
Chlorobenzene	< 0.5	µg/L
Chloroethane	< 0.5	µg/L
Chloroform	< 0.5	µg/L
Chloromethane	< 0.5	µg/L
2-Chlorotoluene	< 0.5	µg/L
4-Chlorotoluene	< 0.5	µg/L
Dibromochloromethane	< 0.5	µg/L
1,2-Dibromo-3-Chloropropane	< 1.	µg/L
1,2-Dibromoethane	< 0.5	µg/L
Dibromomethane	< 0.5	µg/L
1,2-Dichlorobenzene	< 0.5	µg/L
1,3-Dichlorobenzene	< 0.5	µg/L
1,4-Dichlorobenzene	< 0.5	µg/L
Dichlorodifluoromethane	< 0.5	µg/L
1,1-Dichloroethane	< 0.5	µg/L
1,2-Dichloroethane	< 0.5	µg/L
1,1-Dichloroethene	< 0.5	µg/L
cis-1,2-Dichloroethene	< 0.5	µg/L
trans-1,2-Dichloroethene	< 0.5	µg/L
1,2-Dichloropropane	< 0.5	µg/L

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QUALITY CONTROL REPORT
(Instrumental & Blank Parameters)
Method 8260

SHAW ENVIRONMENTAL & INFRASTRUCTURE, INC
1326 NORTH MARKET BOULEVARD
SACRAMENTO, CA 95834
JULIAN ISHAM

Date of Report: 01/24/2005
Sample Matrix: SURFACE WATER
QC Batch ID: 200500422-1*8260

Samples Affected: 05-00422-1, 05-00422-2

Constituents	Method Blank Readings	Units
1,3-Dichloropropane	< 0.5	µg/L
2,2-Dichloropropane	< 0.5	µg/L
1,1-Dichloropropene	< 0.5	µg/L
cis-1,3-Dichloropropene	< 0.5	µg/L
trans-1,3-Dichloropropene	< 0.5	µg/L
Ethyl Benzene	< 0.5	µg/L
Hexachlorobutadiene	< 0.5	µg/L
Isopropylbenzene	< 0.5	µg/L
p-Isopropyltoluene	< 0.5	µg/L
Methylene Chloride	< 1.	µg/L
Naphthalene	< 0.5	µg/L
n-Propylbenzene	< 0.5	µg/L
Styrene	< 0.5	µg/L
1,1,1,2-Tetrachloroethane	< 0.5	µg/L
1,1,2,2-Tetrachloroethane	< 0.5	µg/L
Tetrachloroethene	< 0.5	µg/L
Toluene	< 0.5	µg/L
1,2,3-Trichlorobenzene	< 0.5	µg/L
1,2,4-Trichlorobenzene	< 0.5	µg/L
1,1,1-Trichloroethane	< 0.5	µg/L
1,1,2-Trichloroethane	< 0.5	µg/L
Trichloroethene	< 0.5	µg/L
Trichlorofluoromethane	< 0.5	µg/L
1,2,3-Trichloropropane	< 1.	µg/L
1,1,2-Trichloro-1,2,2-trifluoroethane	< 0.5	µg/L
1,2,4-Trimethylbenzene	< 0.5	µg/L
1,3,5-Trimethylbenzene	< 0.5	µg/L
Vinyl Chloride	< 0.5	µg/L
Total Xylenes	< 1.	µg/L

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(Instrumental & Blank Parameters)
Method 8260

SHAW ENVIRONMENTAL & INFRASTRUCTURE, INC
1326 NORTH MARKET BOULEVARD
SACRAMENTO, CA 95834
JULIAN ISHAM

Date of Report: 01/24/2005
Sample Matrix: SURFACE WATER
QC Batch ID: 200500422-1*8260

Samples Affected: 05-00422-1, 05-00422-2

Constituents	Method Blank Readings	Units
Methyl-t-butylether	< 0.5	µg/L

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(Precision & Accuracy)
Method 8260

SHAW ENVIRONMENTAL & INFRASTRUCTURE, INC.
1326 NORTH MARKET BOULEVARD
SACRAMENTO, CA 95834
JULIAN ISHAM

Date of Report: 01/24/2005
Sample Matrix: SURFACE WATER
QC Batch ID: 200500422-1*8260

Samples Affected: 05-00422-1, 05-00422-2

Constituents	QC Sample ID	Sample Result	MS Result	MSD Result	MS Spike Level	MSD Spike Level	Units	Spike R.P.D.	Precision Control Limits	MS % Rec	MSD % Rec	Accuracy Control Limits
Benzene	00422-1-B1	< 0.5	26.14	25.96	25.00	25.00	µg/L	1.	20	105.	104.	70 - 130
Bromodichloromethane	00422-1-B1	< 0.5	30.91	30.18	25.00	25.00	µg/L	2.	20	124.	121.	70 - 130
Chlorobenzene	00422-1-B1	< 0.5	27.00	26.42	25.00	25.00	µg/L	2.	20	108.	106.	70 - 130
Chloroethane	00422-1-B1	< 0.5	27.19	26.89	25.00	25.00	µg/L	1.	20	109.	108.	70 - 130
1,4-Dichlorobenzene	00422-1-B1	< 0.5	26.72	26.07	25.00	25.00	µg/L	2.	20	107.	104.	70 - 130
1,1-Dichloroethane	00422-1-B1	< 0.5	27.27	27.48	25.00	25.00	µg/L	1.	20	109.	110.	70 - 130
1,1-Dichloroethene	00422-1-B1	< 0.5	26.94	26.40	25.00	25.00	µg/L	2.	20	108.	106.	70 - 130
Toluene	00422-1-B1	< 0.5	28.59	27.73	25.00	25.00	µg/L	3.	20	114.	111.	70 - 130
Trichloroethene	00422-1-B1	< 0.5	29.73	28.66	25.00	25.00	µg/L	4.	20	119.	115.	70 - 130

MS = Matrix Spike; MSD = Matrix Spike Duplicate; RPD = Relative Percent Difference

Quality Control Officer

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B C LABORATORIES
QUALITY CONTROL REPORT
(Laboratory Control Sample)
Method 8260

SHAW ENVIRONMENTAL & INFRASTRUCTURE, INC.
1326 NORTH MARKET BOULEVARD
SACRAMENTO, CA 95834
JULIAN ISHAM

Date of Report: 01/24/2005
Sample Matrix: SURFACE WATER
QC Batch ID: 200500422-1*8260

Samples Affected: 05-00422-1, 05-00422-2

Constituents	QC Sample ID	Sample Result	Spike Level	Units	% Rec	Accuracy Control Limits
Benzene	LCSW1	26.77	25.00	µg/L	107.	70 - 130
Bromodichloromethane	LCSW1	30.31	25.00	µg/L	121.	70 - 130
Chlorobenzene	LCSW1	29.15	25.00	µg/L	117.	70 - 130
Chloroethane	LCSW1	28.62	25.00	µg/L	114.	70 - 130
1,4-Dichlorobenzene	LCSW1	28.57	25.00	µg/L	114.	70 - 130
1,1-Dichloroethane	LCSW1	27.07	25.00	µg/L	108.	70 - 130
1,1-Dichloroethene	LCSW1	29.50	25.00	µg/L	118.	70 - 130
Toluene	LCSW1	28.49	25.00	µg/L	114.	70 - 130
Trichloroethene	LCSW1	31.10	25.00	µg/L	124.	70 - 130

Quality Control Officer

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CHAIN OF CUSTODY / LABORATORY ANALYSIS REQUEST FORM

Page ___ of ___

EMCON / OWT Inc.
1326 North Market Boulevard, Sacramento, CA 95834

05-00421

P.O. **206522**
Lab: **BC Labs**

Project Name: **American Canyon LF (Ground Water)**
Project Number: **828830 / 02010000**
Report to: **Julian Isham**
Company: **EMCON / OWT Inc.**
Address: **1326 North Market Boulevard**
Sacramento, CA 95834
Dir Ph: **(916) 565-4316** FAX: **(916) 565-4356**

Sampler's Signature: Paul Weinhardt

CHK BY OTO

DISTRIBUTION SB MA SC I SUB-OUT

Sample I.D.	Date	Time	LAB I.D.	Sample Matrix	Number of Containers	EPA 8260 (incl. MTBE) (LOW LEVEL 8260)	TDS (160.1); Metals (see below) (Lab to filter Metals)	EPA 8270	REMARKS
						1	Qrt LPE	L. Gls	Container Types
						NP	NP	NP	Preservations
-1 G-1	1-12	750		water	4	3	1		
-2 G-2	1-11	820		water	4	3	1		
-3 G-3A	1-11	916		water	6	3	1	2	
~~G-4~~				~~water~~	~~4~~	~~3~~	~~1~~		
~~G-6AR~~				~~water~~	~~4~~	~~3~~	~~1~~		
-4 G-7	1-11	1023		water	4	3	1		
-5 G-8	1-12	810		water	6	3	1	2	
~~G-9~~				~~water~~	~~4~~	~~3~~	~~1~~		
-6 G-10	1-11	1128		water	4	3	1		
-7 GW-4	1-11	1106		water	4	3	1		

RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY
Signature: Paul Weinhardt	Signature	Signature	Signature
Printed Name: Paul Weinhardt	Printed Name: Carter	Printed Name	Printed Name
Firm: SHAW E+I	Firm	Firm	Firm
Date/Time: 1-12-05 1210	Date/Time: 1-12-05 1210	Date/Time	Date/Time

TURNAROUND REQUIREMENTS
24 hr ___ 48 hr ___ 5 day
X Standard (~10-15 working days)
___ Provide Verbal Preliminary Results
___ Provide FAX Preliminary Results
Requested Report Date: ___

REPORT REQUIREMENTS
___ I. Routine Report
X II. Report (includes DUP, MS MSD, as required, may be charged as samples)
___ III. Data Validation Report (includes All Raw Data)
X RWQCB (MDLs/PQLs/TRACE#)

RELINQUISHED BY	RECEIVED BY
Signature	Signature: JAIME HURTADO
Printed Name	Printed Name: BC LABS
Firm	Firm: 1-13-05 820
Date/Time	Date/Time

Special Instructions/Comments:

Metals: As (7060), Cr (6010), Cd (6010), Cu (6010), Pb (7421), Ni (6010).
Lab to filter metals for ground water samples.
Please report MDLs, PQLs, and Trace.
Tier II QC required.

BC Labs - Tina Green
4100 Atlas Court
Bakersfield, Ca 93308
661-327-4911 / Fx: 327-1918
Fed X Acct# 137860325
Calif Ovrnight# 22275

Container Types Key:

40 ml VOA:	1
250 ml LPE:	2
500 ml LPE:	3
1 liter HDPE:	4
500 ml glass:	5
1 liter glass:	6
2x6 s/s ring:	7
glass jar:	8

CHAIN OF CUSTODY / LABORATORY ANALYSIS REQUEST FORM

Page ___ of ___

EMCON / OWT Inc.
1326 North Market Boulevard, Sacramento, CA 95834 05-0092

P.O. **206522**
Lab: **BC Labs**

Project Name: **American Canyon LF (Ground Water)**
Project Number: **828830 / 02010000**
Report to: **Julian Isham**
Company: **EMCON / OWT Inc.**
Address: **1326 North Market Boulevard**
Sacramento, CA 95834
Dir Ph: **(916) 565-4358** FAX: **(916) 565-4356**

Sampler's Signature: Paul Weinhardt

Analysis Requested

Sample I.D.	Date	Time	LAB I.D.	Sample Matrix	Number of Containers	EPA 8260 (incl. MTBE) (LOW LEVEL 8260)	TDS (160.1); Metals (see below) (Lab to filter Metals)									REMARKS
						1	Qrt LPE									Container Types
						NP	NP									Preservations
-8 GW-6	1-11	857		water	4	3	1									
-9 G-2DR	1-11	1208		water	4	3	1									
-10 XDup-1	1-12	N/A		water	4	3	1									
-11 Field Blank	1-11	N/A		water	3	3										
-12 Trip Blank	1-11	N/A		water	3	3										

RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY
Signature: Paul Weinhardt	Signature	Signature	Signature
Printed Name: PAUL WEINHARDT	Printed Name: CLIVER	Printed Name	Printed Name
Firm: SHAW E+I	Firm	Firm	Firm
Date/Time: 1-12-05 1210	Date/Time: 1-12-05 1210	Date/Time	Date/Time

TURNAROUND REQUIREMENTS
24 hr ___ 48 hr ___ 5 day
X Standard (~10-15 working days)
___ Provide Verbal Preliminary Results
___ Provide FAX Preliminary Results
Requested Report Date: ___

REPORT REQUIREMENTS
___ I. Routine Report
X II. Report (includes DUP, MS MSD, as required, may be charged as samples)
___ III. Data Validation Report (includes All Raw Data)
X RWQCB (MDLs/PQLs/TRACE#)

RELINQUISHED BY	RECEIVED BY
Signature	Signature: JAIME HURTADO
Printed Name	Printed Name: BC LAB
Firm	Firm: 1-13-05 820
Date/Time	Date/Time

Special Instructions/Comments:

Metals: As (7060), Cr (6010), Cd (6010), Cu (6010), Pb (7421), Ni (6010).
Lab to filter metals for ground water samples.
Please report MDLs, PQLs, and Trace.
Tier II QC required.

BC Labs - Tina Green
4100 Atlas Court
Bakersfield, Ca 93308
661-327-4911 / Fx: 327-1918
Fed X Acct# 137860325
Calif Ovrnight# 22275

Container Types Key:

40 ml VOA:	1
250 ml LPE:	2
500 ml LPE:	3
1 liter HDPE:	4
500 ml glass:	5
1 liter glass:	6
2x6 s/s ring:	7
glass jar:	8

BC Laboratories, Inc

SHAW ENVIRONMENTAL & INFRASTRUCTURE, INC.
1326 NORTH MARKET BOULEVARD
SACRAMENTO, CA 95834
Attn: JULIAN ISHAM

Water Analysis (General Chemistry)

COC Number	---	**Receive Date/Time**	01/13/2005 @ 08:20
Project Number	828830/02010000	**Sampling Date/Time**	01/12/2005 @ 09:50
Sampling Location	AMERICAN CANYON LANDFILL	**Sample Depth**	---
Sampling Point	G-1	**Sample Matrix**	Water
Sampled By	PAUL WEINHARDT	**BCL Sample ID**	05-00421-1

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date	Run Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Total Dissolved Solids @ 180 C	26800	mg/L	1000	500	EPA-160.1	01/17/05	01/17/05	11:50	MV1	MANUAL	100	284-102806	ND	

California DOHS Certification #1186

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BC Laboratories, Inc

SHAW ENVIRONMENTAL & INFRASTRUCTURE, INC.
1326 NORTH MARKET BOULEVARD
SACRAMENTO, CA 95834
Attn: JULIAN ISHAM

Water Analysis (Metals)

COC Number	---	**Receive Date/Time**	01/13/2005 @ 08:20
Project Number	828830/02010000	**Sampling Date/Time**	01/12/2005 @ 09:50
Sampling Location	AMERICAN CANYON LANDFILL	**Sample Depth**	---
Sampling Point	G-1	**Sample Matrix**	Water
Sampled By	PAUL WEINHARDT	**BCL Sample ID**	05-00421-1

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date	Run Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Dissolved Arsenic	130	ug/L	20	7.7	EPA-200.8	01/16/05	01/29/05	01:13	MJP	PE-EL1	10	352-101744	ND	A01,Q03
Dissolved Cadmium	None Detected	ug/L	100	27	EPA-6010	01/16/05	01/19/05	12:29	ARD	PE-OP2	10	385-101744	ND	A01
Dissolved Chromium	12	ug/L	100	4.0	EPA-6010	01/16/05	01/19/05	12:29	ARD	PE-OP2	10	385-101744	ND	A01,R01
Dissolved Copper	None Detected	ug/L	100	4.1	EPA-6010	01/16/05	01/19/05	12:29	ARD	PE-OP2	10	385-101744	ND	A01
Dissolved Lead	None Detected	ug/L	10	0.27	EPA-200.8	01/16/05	01/29/05	01:13	MJP	PE-EL1	10	352-101744	ND	A01
Dissolved Nickel	18	ug/L	100	11	EPA-6010	01/16/05	01/19/05	12:29	ARD	PE-OP2	10	385-101744	ND	A01,R01

Flag	Explanations
A01	PQL's and MDL's are raised due to sample dilution.
Q03	Matrix spike recovery is not within the control limits.
R01	The sample result is between the MDL and PQL.

Comments

Sample was filtered thru 0.45 u filter and acidified prior to metal analysis.

California DOHS Certification #1186

BC Laboratories, Inc

SHAW ENVIRONMENTAL & INFRASTRUCTURE, INC.
1326 NORTH MARKET BOULEVARD
SACRAMENTO, CA 95834
Attn: JULIAN ISHAM

Volatile Organic Analysis (EPA Method 8260)

COC Number	---	**Receive Date/Time**	01/13/2005 @ 08:20
Project Number	828830/02010000	**Sampling Date/Time**	01/12/2005 @ 09:50
Sampling Location	AMERICAN CANYON LANDFILL	**Sample Depth**	---
Sampling Point	G-1	**Sample Matrix**	Water
Sampled By	PAUL WEINHARDT	**BCL Sample ID**	05-00421-1

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date	Run Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Benzene	None Detected	ug/L	0.5	0.12	8260	01/15/05	01/15/05	04:43	SVM	MS-V6	1	323-100579	ND	S09
Bromobenzene	None Detected	ug/L	0.5	0.12	8260	01/15/05	01/15/05	04:43	SVM	MS-V6	1	323-100579	ND	
Bromochloromethane	None Detected	ug/L	0.5	0.13	8260	01/15/05	01/15/05	04:43	SVM	MS-V6	1	323-100579	ND	
Bromodichloromethane	None Detected	ug/L	0.5	0.12	8260	01/15/05	01/15/05	04:43	SVM	MS-V6	1	323-100579	ND	S09
Bromoform	None Detected	ug/L	0.5	0.33	8260	01/15/05	01/15/05	04:43	SVM	MS-V6	1	323-100579	ND	
Bromomethane	None Detected	ug/L	1	0.21	8260	01/15/05	01/15/05	04:43	SVM	MS-V6	1	323-100579	ND	S09
n-Butylbenzene	None Detected	ug/L	0.5	0.13	8260	01/15/05	01/15/05	04:43	SVM	MS-V6	1	323-100579	ND	
sec-Butylbenzene	None Detected	ug/L	0.5	0.11	8260	01/15/05	01/15/05	04:43	SVM	MS-V6	1	323-100579	ND	
tert-Butylbenzene	None Detected	ug/L	0.5	0.11	8260	01/15/05	01/15/05	04:43	SVM	MS-V6	1	323-100579	ND	
Carbon tetrachloride	None Detected	ug/L	0.5	0.15	8260	01/15/05	01/15/05	04:43	SVM	MS-V6	1	323-100579	ND	S09
Chlorobenzene	None Detected	ug/L	0.5	0.12	8260	01/15/05	01/15/05	04:43	SVM	MS-V6	1	323-100579	ND	
Chloroethane	None Detected	ug/L	0.5	0.17	8260	01/15/05	01/15/05	04:43	SVM	MS-V6	1	323-100579	ND	S09
Chloroform	None Detected	ug/L	0.5	0.11	8260	01/15/05	01/15/05	04:43	SVM	MS-V6	1	323-100579	ND	S09
Chloromethane	None Detected	ug/L	0.5	0.17	8260	01/15/05	01/15/05	04:43	SVM	MS-V6	1	323-100579	ND	S09
2-Chlorotoluene	None Detected	ug/L	0.5	0.17	8260	01/15/05	01/15/05	04:43	SVM	MS-V6	1	323-100579	ND	
4-Chlorotoluene	None Detected	ug/L	0.5	0.13	8260	01/15/05	01/15/05	04:43	SVM	MS-V6	1	323-100579	ND	
Dibromochloromethane	None Detected	ug/L	0.5	0.11	8260	01/15/05	01/15/05	04:43	SVM	MS-V6	1	323-100579	ND	
1,2-Dibromo-3-chloropropane	None Detected	ug/L	1	0.69	8260	01/15/05	01/15/05	04:43	SVM	MS-V6	1	323-100579	ND	
1,2-Dibromoethane	None Detected	ug/L	0.5	0.083	8260	01/15/05	01/15/05	04:43	SVM	MS-V6	1	323-100579	ND	
Dibromomethane	None Detected	ug/L	0.5	0.14	8260	01/15/05	01/15/05	04:43	SVM	MS-V6	1	323-100579	ND	S09
1,2-Dichlorobenzene	None Detected	ug/L	0.5	0.077	8260	01/15/05	01/15/05	04:43	SVM	MS-V6	1	323-100579	ND	
1,3-Dichlorobenzene	None Detected	ug/L	0.5	0.14	8260	01/15/05	01/15/05	04:43	SVM	MS-V6	1	323-100579	ND	
1,4-Dichlorobenzene	None Detected	ug/L	0.5	0.14	8260	01/15/05	01/15/05	04:43	SVM	MS-V6	1	323-100579	ND	

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Volatile Organic Analysis (EPA Method 8260)

Sample Description	828830/02010000, AMERICAN CANYON LANDFILL, G-1, 01/12/2005 @ 09:50, PAUL WEINHARDT

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date	Run Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Dichlorodifluoromethane	None Detected	ug/L	0.5	0.20	8260	01/15/05	01/15/05	04:43	SVM	MS-V6	1	323-100579	ND	S09
1,1-Dichloroethane	None Detected	ug/L	0.5	0.13	8260	01/15/05	01/15/05	04:43	SVM	MS-V6	1	323-100579	ND	S09
1,2-Dichloroethane	None Detected	ug/L	0.5	0.25	8260	01/15/05	01/15/05	04:43	SVM	MS-V6	1	323-100579	ND	S09
1,1-Dichloroethene	None Detected	ug/L	0.5	0.11	8260	01/15/05	01/15/05	04:43	SVM	MS-V6	1	323-100579	ND	S09
cis-1,2-Dichloroethene	None Detected	ug/L	0.5	0.19	8260	01/15/05	01/15/05	04:43	SVM	MS-V6	1	323-100579	ND	S09
trans-1,2-Dichloroethene	None Detected	ug/L	0.5	0.19	8260	01/15/05	01/15/05	04:43	SVM	MS-V6	1	323-100579	ND	S09
1,2-Dichloropropane	None Detected	ug/L	0.5	0.16	8260	01/15/05	01/15/05	04:43	SVM	MS-V6	1	323-100579	ND	S09
1,3-Dichloropropane	None Detected	ug/L	0.5	0.18	8260	01/15/05	01/15/05	04:43	SVM	MS-V6	1	323-100579	ND	
2,2-Dichloropropane	None Detected	ug/L	0.5	0.14	8260	01/15/05	01/15/05	04:43	SVM	MS-V6	1	323-100579	ND	S09
1,1-Dichloropropene	None Detected	ug/L	0.5	0.18	8260	01/15/05	01/15/05	04:43	SVM	MS-V6	1	323-100579	ND	S09
cis-1,3-Dichloropropene	None Detected	ug/L	0.5	0.13	8260	01/15/05	01/15/05	04:43	SVM	MS-V6	1	323-100579	ND	
trans-1,3-Dichloropropene	None Detected	ug/L	0.5	0.14	8260	01/15/05	01/15/05	04:43	SVM	MS-V6	1	323-100579	ND	
Ethylbenzene	None Detected	ug/L	0.5	0.12	8260	01/15/05	01/15/05	04:43	SVM	MS-V6	1	323-100579	ND	
Hexachlorobutadiene	None Detected	ug/L	0.5	0.23	8260	01/15/05	01/15/05	04:43	SVM	MS-V6	1	323-100579	ND	
Isopropylbenzene	None Detected	ug/L	0.5	0.14	8260	01/15/05	01/15/05	04:43	SVM	MS-V6	1	323-100579	ND	
p-Isopropyltoluene	None Detected	ug/L	0.5	0.11	8260	01/15/05	01/15/05	04:43	SVM	MS-V6	1	323-100579	ND	
Methylene chloride	None Detected	ug/L	1	0.43	8260	01/15/05	01/15/05	04:43	SVM	MS-V6	1	323-100579	ND	S09
Naphthalene	None Detected	ug/L	0.5	0.093	8260	01/15/05	01/15/05	04:43	SVM	MS-V6	1	323-100579	ND	
n-Propylbenzene	None Detected	ug/L	0.5	0.13	8260	01/15/05	01/15/05	04:43	SVM	MS-V6	1	323-100579	ND	
Styrene	None Detected	ug/L	0.5	0.16	8260	01/15/05	01/15/05	04:43	SVM	MS-V6	1	323-100579	ND	
1,1,1,2-Tetrachloroethane	None Detected	ug/L	0.5	0.12	8260	01/15/05	01/15/05	04:43	SVM	MS-V6	1	323-100579	ND	
1,1,2,2-Tetrachloroethane	None Detected	ug/L	0.5	0.23	8260	01/15/05	01/15/05	04:43	SVM	MS-V6	1	323-100579	ND	
Tetrachloroethene	None Detected	ug/L	0.5	0.15	8260	01/15/05	01/15/05	04:43	SVM	MS-V6	1	323-100579	ND	
Toluene	None Detected	ug/L	0.5	0.15	8260	01/15/05	01/15/05	04:43	SVM	MS-V6	1	323-100579	ND	
1,2,3-Trichlorobenzene	None Detected	ug/L	0.5	0.14	8260	01/15/05	01/15/05	04:43	SVM	MS-V6	1	323-100579	ND	
1,2,4-Trichlorobenzene	None Detected	ug/L	0.5	0.060	8260	01/15/05	01/15/05	04:43	SVM	MS-V6	1	323-100579	ND	
1,1,1-Trichloroethane	None Detected	ug/L	0.5	0.16	8260	01/15/05	01/15/05	04:43	SVM	MS-V6	1	323-100579	ND	S09
1,1,2-Trichloroethane	None Detected	ug/L	0.5	0.099	8260	01/15/05	01/15/05	04:43	SVM	MS-V6	1	323-100579	ND	
Trichloroethene	None Detected	ug/L	0.5	0.18	8260	01/15/05	01/15/05	04:43	SVM	MS-V6	1	323-100579	ND	S09
Trichlorofluoromethane	None Detected	ug/L	0.5	0.20	8260	01/15/05	01/15/05	04:43	SVM	MS-V6	1	323-100579	ND	S09
1,2,3-Trichloropropane	None Detected	ug/L	1	0.40	8260	01/15/05	01/15/05	04:43	SVM	MS-V6	1	323-100579	ND	
1,1,2-Trichloro-1,2,2-trifluoroethane	None Detected	ug/L	0.5	0.18	8260	01/15/05	01/15/05	04:43	SVM	MS-V6	1	323-100579	ND	S09
1,2,4-Trimethylbenzene	None Detected	ug/L	0.5	0.11	8260	01/15/05	01/15/05	04:43	SVM	MS-V6	1	323-100579	ND	
1,3,5-Trimethylbenzene	None Detected	ug/L	0.5	0.11	8260	01/15/05	01/15/05	04:43	SVM	MS-V6	1	323-100579	ND	

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Volatile Organic Analysis (EPA Method 8260)

Sample Description	828830/02010000, AMERICAN CANYON LANDFILL, G-1, 01/12/2005 @ 09:50, PAUL WEINHARDT

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date	Run Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Vinyl chloride	None Detected	ug/L	0.5	0.16	8260	01/15/05	01/15/05	04:43	SVM	MS-V6	1	323-100579	ND	S09
Total Xylenes	None Detected	ug/L	1	0.36	8260	01/15/05	01/15/05	04:43	SVM	MS-V6	1	323-100579	ND	
Methyl t-butyl ether	None Detected	ug/L	0.5	0.12	8260	01/15/05	01/15/05	04:43	SVM	MS-V6	1	323-100579	ND	S09

Surrogate Compounds	Result	Units	Control Limits	Method	Prep Date	Run Date	Run Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
1,2-Dichloroethane-d4	120	%	76-114	8260	01/15/05	01/15/05	04:43	SVM	MS-V6	1	323-100579		S09
Toluene-d8	103	%	88-110	8260	01/15/05	01/15/05	04:43	SVM	MS-V6	1	323-100579		
4-Bromofluorobenzene	97	%	86-115	8260	01/15/05	01/15/05	04:43	SVM	MS-V6	1	323-100579		

Flag	Explanations
S09	The surrogate recovery on the sample for this compound was not within the control limits.

California DOHS Certification #1186

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SHAW ENVIRONMENTAL & INFRASTRUCTURE, INC.
1326 NORTH MARKET BOULEVARD
SACRAMENTO, CA 95834
Attn: JULIAN ISHAM

Water Analysis (General Chemistry)

COC Number	---	**Receive Date/Time**	01/13/2005 @ 08:20
Project Number	828830/02010000	**Sampling Date/Time**	01/11/2005 @ 08:20
Sampling Location	AMERICAN CANYON LANDFILL	**Sample Depth**	---
Sampling Point	G-2	**Sample Matrix**	Water
Sampled By	PAUL WEINHARDT	**BCL Sample ID**	05-00421-2

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date	Run Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Total Dissolved Solids @ 180 C	10700	mg/L	500	300	EPA-160.1	01/17/05	01/17/05	11:50	MV1	MANUAL	50	284-102806	ND	

California DOHS Certification #1186

BC Laboratories, Inc

SHAW ENVIRONMENTAL & INFRASTRUCTURE, INC.
1326 NORTH MARKET BOULEVARD
SACRAMENTO, CA 95834
Attn: JULIAN ISHAM

Water Analysis (Metals)

COC Number	---	**Receive Date/Time**	01/13/2005 @ 08:20
Project Number	828830/02010000	**Sampling Date/Time**	01/11/2005 @ 08:20
Sampling Location	AMERICAN CANYON LANDFILL	**Sample Depth**	---
Sampling Point	G-2	**Sample Matrix**	Water
Sampled By	PAUL WEINHARDT	**BCL Sample ID**	05-00421-2

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date	Run Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Dissolved Arsenic	33	ug/L	10	3.9	EPA-200.8	01/16/05	01/29/05	01:35	MJP	PE-EL1	5	352-101744	ND	A01,Q03
Dissolved Cadmium	None Detected	ug/L	100	27	EPA-6010	01/16/05	01/19/05	12:55	ARD	PE-OP2	10	385-101744	ND	A01
Dissolved Chromium	None Detected	ug/L	100	4.0	EPA-6010	01/16/05	01/19/05	12:55	ARD	PE-OP2	10	385-101744	ND	A01
Dissolved Copper	9.0	ug/L	100	4.1	EPA-6010	01/16/05	01/19/05	12:55	ARD	PE-OP2	10	385-101744	ND	A01,R01
Dissolved Lead	0.20	ug/L	5	0.14	EPA-200.8	01/16/05	01/29/05	01:35	MJP	PE-EL1	5	352-101744	ND	A01,R01
Dissolved Nickel	100	ug/L	100	11	EPA-6010	01/16/05	01/19/05	12:55	ARD	PE-OP2	10	385-101744	ND	A01

Flag	Explanations
A01	PQL's and MDL's are raised due to sample dilution.
Q03	Matrix spike recovery is not within the control limits.
R01	The sample result is between the MDL and PQL.

Comments

Sample was filtered thru 0.45 u filter and acidified prior to metal analysis.

California DOHS Certification #1186

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1326 NORTH MARKET BOULEVARD
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Attn: JULIAN ISHAM

Volatile Organic Analysis (EPA Method 8260)

COC Number	---	**Receive Date/Time**	01/13/2005 @ 08:20
Project Number	828830/02010000	**Sampling Date/Time**	01/11/2005 @ 08:20
Sampling Location	AMERICAN CANYON LANDFILL	**Sample Depth**	---
Sampling Point	G-2	**Sample Matrix**	Water
Sampled By	PAUL WEINHARDT	**BCL Sample ID**	05-00421-2

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date	Run Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Benzene	None Detected	ug/L	0.5	0.12	8260	01/15/05	01/15/05	04:13	SVM	MS-V6	1	323-100579	ND	S09
Bromobenzene	None Detected	ug/L	0.5	0.12	8260	01/15/05	01/15/05	04:13	SVM	MS-V6	1	323-100579	ND	
Bromochloromethane	None Detected	ug/L	0.5	0.13	8260	01/15/05	01/15/05	04:13	SVM	MS-V6	1	323-100579	ND	
Bromodichloromethane	None Detected	ug/L	0.5	0.12	8260	01/15/05	01/15/05	04:13	SVM	MS-V6	1	323-100579	ND	S09
Bromoform	None Detected	ug/L	0.5	0.33	8260	01/15/05	01/15/05	04:13	SVM	MS-V6	1	323-100579	ND	
Bromomethane	None Detected	ug/L	1	0.21	8260	01/15/05	01/15/05	04:13	SVM	MS-V6	1	323-100579	ND	S09
n-Butylbenzene	None Detected	ug/L	0.5	0.13	8260	01/15/05	01/15/05	04:13	SVM	MS-V6	1	323-100579	ND	
sec-Butylbenzene	None Detected	ug/L	0.5	0.11	8260	01/15/05	01/15/05	04:13	SVM	MS-V6	1	323-100579	ND	
tert-Butylbenzene	None Detected	ug/L	0.5	0.11	8260	01/15/05	01/15/05	04:13	SVM	MS-V6	1	323-100579	ND	
Carbon tetrachloride	None Detected	ug/L	0.5	0.15	8260	01/15/05	01/15/05	04:13	SVM	MS-V6	1	323-100579	ND	S09
Chlorobenzene	None Detected	ug/L	0.5	0.12	8260	01/15/05	01/15/05	04:13	SVM	MS-V6	1	323-100579	ND	
Chloroethane	None Detected	ug/L	0.5	0.17	8260	01/15/05	01/15/05	04:13	SVM	MS-V6	1	323-100579	ND	S09
Chloroform	None Detected	ug/L	0.5	0.11	8260	01/15/05	01/15/05	04:13	SVM	MS-V6	1	323-100579	ND	S09
Chloromethane	None Detected	ug/L	0.5	0.17	8260	01/15/05	01/15/05	04:13	SVM	MS-V6	1	323-100579	ND	S09
2-Chlorotoluene	None Detected	ug/L	0.5	0.17	8260	01/15/05	01/15/05	04:13	SVM	MS-V6	1	323-100579	ND	
4-Chlorotoluene	None Detected	ug/L	0.5	0.13	8260	01/15/05	01/15/05	04:13	SVM	MS-V6	1	323-100579	ND	
Dibromochloromethane	None Detected	ug/L	0.5	0.11	8260	01/15/05	01/15/05	04:13	SVM	MS-V6	1	323-100579	ND	
1,2-Dibromo-3-chloropropane	None Detected	ug/L	1	0.69	8260	01/15/05	01/15/05	04:13	SVM	MS-V6	1	323-100579	ND	
1,2-Dibromoethane	None Detected	ug/L	0.5	0.083	8260	01/15/05	01/15/05	04:13	SVM	MS-V6	1	323-100579	ND	
Dibromomethane	None Detected	ug/L	0.5	0.14	8260	01/15/05	01/15/05	04:13	SVM	MS-V6	1	323-100579	ND	S09
1,2-Dichlorobenzene	None Detected	ug/L	0.5	0.077	8260	01/15/05	01/15/05	04:13	SVM	MS-V6	1	323-100579	ND	
1,3-Dichlorobenzene	None Detected	ug/L	0.5	0.14	8260	01/15/05	01/15/05	04:13	SVM	MS-V6	1	323-100579	ND	
1,4-Dichlorobenzene	None Detected	ug/L	0.5	0.14	8260	01/15/05	01/15/05	04:13	SVM	MS-V6	1	323-100579	ND	

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BC Laboratories, Inc

Volatile Organic Analysis (EPA Method 8260)

Sample Description	828830/02010000, AMERICAN CANYON LANDFILL, G-2, 01/11/2005 @ 08:20, PAUL WEINHARDT

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date	Run Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Dichlorodifluoromethane	None Detected	ug/L	0.5	0.20	8260	01/15/05	01/15/05	04:13	SVM	MS-V6	1	323-100579	ND	S09
1,1-Dichloroethane	None Detected	ug/L	0.5	0.13	8260	01/15/05	01/15/05	04:13	SVM	MS-V6	1	323-100579	ND	S09
1,2-Dichloroethane	None Detected	ug/L	0.5	0.25	8260	01/15/05	01/15/05	04:13	SVM	MS-V6	1	323-100579	ND	S09
1,1-Dichloroethene	None Detected	ug/L	0.5	0.11	8260	01/15/05	01/15/05	04:13	SVM	MS-V6	1	323-100579	ND	S09
cis-1,2-Dichloroethene	None Detected	ug/L	0.5	0.19	8260	01/15/05	01/15/05	04:13	SVM	MS-V6	1	323-100579	ND	S09
trans-1,2-Dichloroethene	None Detected	ug/L	0.5	0.19	8260	01/15/05	01/15/05	04:13	SVM	MS-V6	1	323-100579	ND	S09
1,2-Dichloropropane	None Detected	ug/L	0.5	0.16	8260	01/15/05	01/15/05	04:13	SVM	MS-V6	1	323-100579	ND	S09
1,3-Dichloropropane	None Detected	ug/L	0.5	0.18	8260	01/15/05	01/15/05	04:13	SVM	MS-V6	1	323-100579	ND	
2,2-Dichloropropane	None Detected	ug/L	0.5	0.14	8260	01/15/05	01/15/05	04:13	SVM	MS-V6	1	323-100579	ND	S09
1,1-Dichloropropene	None Detected	ug/L	0.5	0.18	8260	01/15/05	01/15/05	04:13	SVM	MS-V6	1	323-100579	ND	S09
cis-1,3-Dichloropropene	None Detected	ug/L	0.5	0.13	8260	01/15/05	01/15/05	04:13	SVM	MS-V6	1	323-100579	ND	
trans-1,3-Dichloropropene	None Detected	ug/L	0.5	0.14	8260	01/15/05	01/15/05	04:13	SVM	MS-V6	1	323-100579	ND	
Ethylbenzene	None Detected	ug/L	0.5	0.12	8260	01/15/05	01/15/05	04:13	SVM	MS-V6	1	323-100579	ND	
Hexachlorobutadiene	None Detected	ug/L	0.5	0.23	8260	01/15/05	01/15/05	04:13	SVM	MS-V6	1	323-100579	ND	
Isopropylbenzene	None Detected	ug/L	0.5	0.14	8260	01/15/05	01/15/05	04:13	SVM	MS-V6	1	323-100579	ND	
p-Isopropyltoluene	None Detected	ug/L	0.5	0.11	8260	01/15/05	01/15/05	04:13	SVM	MS-V6	1	323-100579	ND	
Methylene chloride	None Detected	ug/L	1	0.43	8260	01/15/05	01/15/05	04:13	SVM	MS-V6	1	323-100579	ND	S09
Naphthalene	None Detected	ug/L	0.5	0.093	8260	01/15/05	01/15/05	04:13	SVM	MS-V6	1	323-100579	ND	
n-Propylbenzene	None Detected	ug/L	0.5	0.13	8260	01/15/05	01/15/05	04:13	SVM	MS-V6	1	323-100579	ND	
Styrene	None Detected	ug/L	0.5	0.16	8260	01/15/05	01/15/05	04:13	SVM	MS-V6	1	323-100579	ND	
1,1,1,2-Tetrachloroethane	None Detected	ug/L	0.5	0.12	8260	01/15/05	01/15/05	04:13	SVM	MS-V6	1	323-100579	ND	
1,1,2,2-Tetrachloroethane	None Detected	ug/L	0.5	0.23	8260	01/15/05	01/15/05	04:13	SVM	MS-V6	1	323-100579	ND	
Tetrachloroethene	0.23	ug/L	0.5	0.15	8260	01/15/05	01/15/05	04:13	SVM	MS-V6	1	323-100579	ND	R01
Toluene	None Detected	ug/L	0.5	0.15	8260	01/15/05	01/15/05	04:13	SVM	MS-V6	1	323-100579	ND	
1,2,3-Trichlorobenzene	None Detected	ug/L	0.5	0.14	8260	01/15/05	01/15/05	04:13	SVM	MS-V6	1	323-100579	ND	
1,2,4-Trichlorobenzene	None Detected	ug/L	0.5	0.060	8260	01/15/05	01/15/05	04:13	SVM	MS-V6	1	323-100579	ND	
1,1,1-Trichloroethane	None Detected	ug/L	0.5	0.16	8260	01/15/05	01/15/05	04:13	SVM	MS-V6	1	323-100579	ND	S09
1,1,2-Trichloroethane	None Detected	ug/L	0.5	0.099	8260	01/15/05	01/15/05	04:13	SVM	MS-V6	1	323-100579	ND	
Trichloroethene	None Detected	ug/L	0.5	0.18	8260	01/15/05	01/15/05	04:13	SVM	MS-V6	1	323-100579	ND	S09
Trichlorofluoromethane	None Detected	ug/L	0.5	0.20	8260	01/15/05	01/15/05	04:13	SVM	MS-V6	1	323-100579	ND	S09
1,2,3-Trichloropropane	None Detected	ug/L	1	0.40	8260	01/15/05	01/15/05	04:13	SVM	MS-V6	1	323-100579	ND	
1,1,2-Trichloro-1,2,2-trifluoroethane	None Detected	ug/L	0.5	0.18	8260	01/15/05	01/15/05	04:13	SVM	MS-V6	1	323-100579	ND	S09
1,2,4-Trimethylbenzene	None Detected	ug/L	0.5	0.11	8260	01/15/05	01/15/05	04:13	SVM	MS-V6	1	323-100579	ND	
1,3,5-Trimethylbenzene	None Detected	ug/L	0.5	0.11	8260	01/15/05	01/15/05	04:13	SVM	MS-V6	1	323-100579	ND	

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Volatile Organic Analysis (EPA Method 8260)

Sample Description	828830/02010000, AMERICAN CANYON LANDFILL, G-2, 01/11/2005 @ 08:20, PAUL WEINHARDT

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date	Run Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Vinyl chloride	None Detected	ug/L	0.5	0.16	8260	01/15/05	01/15/05	04:13	SVM	MS-V6	1	323-100579	ND	S09
Total Xylenes	None Detected	ug/L	1	0.36	8260	01/15/05	01/15/05	04:13	SVM	MS-V6	1	323-100579	ND	
Methyl t-butyl ether	None Detected	ug/L	0.5	0.12	8260	01/15/05	01/15/05	04:13	SVM	MS-V6	1	323-100579	ND	S09

Surrogate Compounds	Result	Units	Control Limits	Method	Prep Date	Run Date	Run Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
1,2-Dichloroethane-d4	130	%	76-114	8260	01/15/05	01/15/05	04:13	SVM	MS-V6	1	323-100579		S09
Toluene-d8	104	%	88-110	8260	01/15/05	01/15/05	04:13	SVM	MS-V6	1	323-100579		
4-Bromofluorobenzene	101	%	86-115	8260	01/15/05	01/15/05	04:13	SVM	MS-V6	1	323-100579		

Flag	Explanations
R01	The sample result is between the MDL and PQL.
S09	The surrogate recovery on the sample for this compound was not within the control limits.

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SHAW ENVIRONMENTAL & INFRASTRUCTURE, INC.
1326 NORTH MARKET BOULEVARD
SACRAMENTO, CA 95834
Attn: JULIAN ISHAM

Water Analysis (General Chemistry)

COC Number	---	**Receive Date/Time**	01/13/2005 @ 08:20
Project Number	828830/02010000	**Sampling Date/Time**	01/11/2005 @ 09:16
Sampling Location	AMERICAN CANYON LANDFILL	**Sample Depth**	---
Sampling Point	G-3A	**Sample Matrix**	Water
Sampled By	PAUL WEINHARDT	**BCL Sample ID**	05-00421-3

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date	Run Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Total Dissolved Solids @ 180 C	9100	mg/L	500	300	EPA-160.1	01/17/05	01/17/05	11:50	MV1	MANUAL	50	284-102806	ND	

California DOHS Certification #1186

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1326 NORTH MARKET BOULEVARD
SACRAMENTO, CA 95834
Attn: JULIAN ISHAM

Water Analysis (Metals)

COC Number	---	**Receive Date/Time**	01/13/2005 @ 08:20
Project Number	828830/02010000	**Sampling Date/Time**	01/11/2005 @ 09:16
Sampling Location	AMERICAN CANYON LANDFILL	**Sample Depth**	---
Sampling Point	G-3A	**Sample Matrix**	Water
Sampled By	PAUL WEINHARDT	**BCL Sample ID**	05-00421-3

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date	Run Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Dissolved Arsenic	48	ug/L	10	3.9	EPA-200.8	01/16/05	01/29/05	01:41	MJP	PE-EL1	5	352-101744	ND	A01,Q03
Dissolved Cadmium	None Detected	ug/L	100	27	EPA-6010	01/16/05	01/19/05	13:02	ARD	PE-OP2	10	385-101744	ND	A01
Dissolved Chromium	17	ug/L	100	4.0	EPA-6010	01/16/05	01/19/05	13:02	ARD	PE-OP2	10	385-101744	ND	A01,R01
Dissolved Copper	None Detected	ug/L	100	4.1	EPA-6010	01/16/05	01/19/05	13:02	ARD	PE-OP2	10	385-101744	ND	A01
Dissolved Lead	None Detected	ug/L	5	0.14	EPA-200.8	01/16/05	01/29/05	01:41	MJP	PE-EL1	5	352-101744	ND	A01
Dissolved Nickel	25	ug/L	100	11	EPA-6010	01/16/05	01/19/05	13:02	ARD	PE-OP2	10	385-101744	ND	A01,R01

Flag	Explanations
A01	PQL's and MDL's are raised due to sample dilution.
Q03	Matrix spike recovery is not within the control limits.
R01	The sample result is between the MDL and PQL.

Comments

Sample was filtered thru 0.45 u filter and acidified prior to metal analysis.

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1326 NORTH MARKET BOULEVARD
SACRAMENTO, CA 95834
Attn: JULIAN ISHAM

Volatile Organic Analysis (EPA Method 8260)

COC Number	---	**Receive Date/Time**	01/13/2005 @ 08:20
Project Number	828830/02010000	**Sampling Date/Time**	01/11/2005 @ 09:16
Sampling Location	AMERICAN CANYON LANDFILL	**Sample Depth**	---
Sampling Point	G-3A	**Sample Matrix**	Water
Sampled By	PAUL WEINHARDT	**BCL Sample ID**	05-00421-3

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date	Run Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Benzene	0.60	ug/L	0.5	0.12	8260	01/17/05	01/17/05	13:14	SVM	MS-V6	1	323-100579	ND	S09
Bromobenzene	None Detected	ug/L	0.5	0.12	8260	01/17/05	01/17/05	13:14	SVM	MS-V6	1	323-100579	ND	
Bromochloromethane	None Detected	ug/L	0.5	0.13	8260	01/17/05	01/17/05	13:14	SVM	MS-V6	1	323-100579	ND	
Bromodichloromethane	None Detected	ug/L	0.5	0.12	8260	01/17/05	01/17/05	13:14	SVM	MS-V6	1	323-100579	ND	V11,S09
Bromoform	None Detected	ug/L	0.5	0.33	8260	01/17/05	01/17/05	13:14	SVM	MS-V6	1	323-100579	ND	V11
Bromomethane	None Detected	ug/L	1	0.21	8260	01/17/05	01/17/05	13:14	SVM	MS-V6	1	323-100579	ND	V11,S09
n-Butylbenzene	None Detected	ug/L	0.5	0.13	8260	01/17/05	01/17/05	13:14	SVM	MS-V6	1	323-100579	ND	
sec-Butylbenzene	None Detected	ug/L	0.5	0.11	8260	01/17/05	01/17/05	13:14	SVM	MS-V6	1	323-100579	ND	
tert-Butylbenzene	None Detected	ug/L	0.5	0.11	8260	01/17/05	01/17/05	13:14	SVM	MS-V6	1	323-100579	ND	
Carbon tetrachloride	None Detected	ug/L	0.5	0.15	8260	01/17/05	01/17/05	13:14	SVM	MS-V6	1	323-100579	ND	S09
Chlorobenzene	6.8	ug/L	0.5	0.12	8260	01/17/05	01/17/05	13:14	SVM	MS-V6	1	323-100579	ND	
Chloroethane	None Detected	ug/L	0.5	0.17	8260	01/17/05	01/17/05	13:14	SVM	MS-V6	1	323-100579	ND	S09
Chloroform	None Detected	ug/L	0.5	0.11	8260	01/17/05	01/17/05	13:14	SVM	MS-V6	1	323-100579	ND	S09
Chloromethane	None Detected	ug/L	0.5	0.17	8260	01/17/05	01/17/05	13:14	SVM	MS-V6	1	323-100579	ND	S09
2-Chlorotoluene	None Detected	ug/L	0.5	0.17	8260	01/17/05	01/17/05	13:14	SVM	MS-V6	1	323-100579	ND	
4-Chlorotoluene	None Detected	ug/L	0.5	0.13	8260	01/17/05	01/17/05	13:14	SVM	MS-V6	1	323-100579	ND	
Dibromochloromethane	None Detected	ug/L	0.5	0.11	8260	01/17/05	01/17/05	13:14	SVM	MS-V6	1	323-100579	ND	V11
1,2-Dibromo-3-chloropropane	None Detected	ug/L	1	0.69	8260	01/17/05	01/17/05	13:14	SVM	MS-V6	1	323-100579	ND	V11
1,2-Dibromoethane	None Detected	ug/L	0.5	0.083	8260	01/17/05	01/17/05	13:14	SVM	MS-V6	1	323-100579	ND	
Dibromomethane	None Detected	ug/L	0.5	0.14	8260	01/17/05	01/17/05	13:14	SVM	MS-V6	1	323-100579	ND	S09
1,2-Dichlorobenzene	0.10	ug/L	0.5	0.077	8260	01/17/05	01/17/05	13:14	SVM	MS-V6	1	323-100579	ND	R01
1,3-Dichlorobenzene	0.16	ug/L	0.5	0.14	8260	01/17/05	01/17/05	13:14	SVM	MS-V6	1	323-100579	ND	R01
1,4-Dichlorobenzene	0.14	ug/L	0.5	0.14	8260	01/17/05	01/17/05	13:14	SVM	MS-V6	1	323-100579	ND	R01

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Volatile Organic Analysis (EPA Method 8260)

Sample Description	828830/02010000, AMERICAN CANYON LANDFILL, G-3A, 01/11/2005 @ 09:16, PAUL WEINHARDT

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date	Run Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Dichlorodifluoromethane	None Detected	ug/L	0.5	0.20	8260	01/17/05	01/17/05	13:14	SVM	MS-V6	1	323-100579	ND	S09
1,1-Dichloroethane	None Detected	ug/L	0.5	0.13	8260	01/17/05	01/17/05	13:14	SVM	MS-V6	1	323-100579	ND	S09
1,2-Dichloroethane	None Detected	ug/L	0.5	0.25	8260	01/17/05	01/17/05	13:14	SVM	MS-V6	1	323-100579	ND	S09
1,1-Dichloroethene	None Detected	ug/L	0.5	0.11	8260	01/17/05	01/17/05	13:14	SVM	MS-V6	1	323-100579	ND	S09
cis-1,2-Dichloroethene	None Detected	ug/L	0.5	0.19	8260	01/17/05	01/17/05	13:14	SVM	MS-V6	1	323-100579	ND	S09
trans-1,2-Dichloroethene	None Detected	ug/L	0.5	0.19	8260	01/17/05	01/17/05	13:14	SVM	MS-V6	1	323-100579	ND	S09
1,2-Dichloropropane	None Detected	ug/L	0.5	0.16	8260	01/17/05	01/17/05	13:14	SVM	MS-V6	1	323-100579	ND	S09
1,3-Dichloropropane	None Detected	ug/L	0.5	0.18	8260	01/17/05	01/17/05	13:14	SVM	MS-V6	1	323-100579	ND	
2,2-Dichloropropane	None Detected	ug/L	0.5	0.14	8260	01/17/05	01/17/05	13:14	SVM	MS-V6	1	323-100579	ND	S09
1,1-Dichloropropene	None Detected	ug/L	0.5	0.18	8260	01/17/05	01/17/05	13:14	SVM	MS-V6	1	323-100579	ND	S09
cis-1,3-Dichloropropene	None Detected	ug/L	0.5	0.13	8260	01/17/05	01/17/05	13:14	SVM	MS-V6	1	323-100579	ND	
trans-1,3-Dichloropropene	None Detected	ug/L	0.5	0.14	8260	01/17/05	01/17/05	13:14	SVM	MS-V6	1	323-100579	ND	
Ethylbenzene	None Detected	ug/L	0.5	0.12	8260	01/17/05	01/17/05	13:14	SVM	MS-V6	1	323-100579	ND	
Hexachlorobutadiene	None Detected	ug/L	0.5	0.23	8260	01/17/05	01/17/05	13:14	SVM	MS-V6	1	323-100579	ND	
Isopropylbenzene	0.32	ug/L	0.5	0.14	8260	01/17/05	01/17/05	13:14	SVM	MS-V6	1	323-100579	ND	R01
p-Isopropyltoluene	None Detected	ug/L	0.5	0.11	8260	01/17/05	01/17/05	13:14	SVM	MS-V6	1	323-100579	ND	
Methylene chloride	None Detected	ug/L	1	0.43	8260	01/17/05	01/17/05	13:14	SVM	MS-V6	1	323-100579	ND	S09
Naphthalene	None Detected	ug/L	0.5	0.093	8260	01/17/05	01/17/05	13:14	SVM	MS-V6	1	323-100579	ND	
n-Propylbenzene	None Detected	ug/L	0.5	0.13	8260	01/17/05	01/17/05	13:14	SVM	MS-V6	1	323-100579	ND	
Styrene	None Detected	ug/L	0.5	0.16	8260	01/17/05	01/17/05	13:14	SVM	MS-V6	1	323-100579	ND	
1,1,1,2-Tetrachloroethane	None Detected	ug/L	0.5	0.12	8260	01/17/05	01/17/05	13:14	SVM	MS-V6	1	323-100579	ND	
1,1,2,2-Tetrachloroethane	None Detected	ug/L	0.5	0.23	8260	01/17/05	01/17/05	13:14	SVM	MS-V6	1	323-100579	ND	
Tetrachloroethene	None Detected	ug/L	0.5	0.15	8260	01/17/05	01/17/05	13:14	SVM	MS-V6	1	323-100579	ND	
Toluene	None Detected	ug/L	0.5	0.15	8260	01/17/05	01/17/05	13:14	SVM	MS-V6	1	323-100579	ND	
1,2,3-Trichlorobenzene	None Detected	ug/L	0.5	0.14	8260	01/17/05	01/17/05	13:14	SVM	MS-V6	1	323-100579	ND	
1,2,4-Trichlorobenzene	None Detected	ug/L	0.5	0.060	8260	01/17/05	01/17/05	13:14	SVM	MS-V6	1	323-100579	ND	
1,1,1-Trichloroethane	None Detected	ug/L	0.5	0.16	8260	01/17/05	01/17/05	13:14	SVM	MS-V6	1	323-100579	ND	S09
1,1,2-Trichloroethane	None Detected	ug/L	0.5	0.099	8260	01/17/05	01/17/05	13:14	SVM	MS-V6	1	323-100579	ND	
Trichloroethene	None Detected	ug/L	0.5	0.18	8260	01/17/05	01/17/05	13:14	SVM	MS-V6	1	323-100579	ND	S09
Trichlorofluoromethane	None Detected	ug/L	0.5	0.20	8260	01/17/05	01/17/05	13:14	SVM	MS-V6	1	323-100579	ND	S09
1,2,3-Trichloropropane	None Detected	ug/L	1	0.40	8260	01/17/05	01/17/05	13:14	SVM	MS-V6	1	323-100579	ND	
1,1,2-Trichloro-1,2,2-trifluoroethane	None Detected	ug/L	0.5	0.18	8260	01/17/05	01/17/05	13:14	SVM	MS-V6	1	323-100579	ND	S09
1,2,4-Trimethylbenzene	None Detected	ug/L	0.5	0.11	8260	01/17/05	01/17/05	13:14	SVM	MS-V6	1	323-100579	ND	
1,3,5-Trimethylbenzene	None Detected	ug/L	0.5	0.11	8260	01/17/05	01/17/05	13:14	SVM	MS-V6	1	323-100579	ND	

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Volatile Organic Analysis (EPA Method 8260)

Sample Description	828830/02010000, AMERICAN CANYON LANDFILL, G-3A, 01/11/2005 @ 09:16, PAUL WEINHARDT

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date	Run Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Vinyl chloride	None Detected	ug/L	0.5	0.16	8260	01/17/05	01/17/05	13:14	SVM	MS-V6	1	323-100579	ND	S09
Total Xylenes	None Detected	ug/L	1	0.36	8260	01/17/05	01/17/05	13:14	SVM	MS-V6	1	323-100579	ND	
Methyl t-butyl ether	0.15	ug/L	0.5	0.12	8260	01/17/05	01/17/05	13:14	SVM	MS-V6	1	323-100579	ND	R01,S09

Surrogate Compounds	Result	Units	Control Limits	Method	Prep Date	Run Date	Run Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
1,2-Dichloroethane-d4	132	%	76-114	8260	01/17/05	01/17/05	13:14	SVM	MS-V6	1	323-100579		S09
Toluene-d8	103	%	88-110	8260	01/17/05	01/17/05	13:14	SVM	MS-V6	1	323-100579		
4-Bromofluorobenzene	108	%	86-115	8260	01/17/05	01/17/05	13:14	SVM	MS-V6	1	323-100579		

Flag	Explanations
R01	The sample result is between the MDL and PQL.
S09	The surrogate recovery on the sample for this compound was not within the control limits.
V11	The Continuing Calibration Verification (CCV) recovery is not within established control limits.

California DOHS Certification #1186

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1326 NORTH MARKET BOULEVARD
SACRAMENTO, CA 95834
Attn: JULIAN ISHAM

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270)

COC Number	---	**Receive Date/Time**	01/13/2005 @ 08:20
Project Number	828830/02010000	**Sampling Date/Time**	01/11/2005 @ 09:16
Sampling Location	AMERICAN CANYON LANDFILL	**Sample Depth**	---
Sampling Point	G-3A	**Sample Matrix**	Water
Sampled By	PAUL WEINHARDT	**BCL Sample ID**	05-00421-3

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date	Run Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Acenaphthene	None Detected	ug/L	20	2.2	8270	01/14/05	01/20/05	23:38	SKC	MS-B1	10.6	305-100578	ND	
Acenaphthylene	None Detected	ug/L	20	2.1	8270	01/14/05	01/20/05	23:38	SKC	MS-B1	10.6	305-100578	ND	
Aldrin	None Detected	ug/L	20	3.3	8270	01/14/05	01/20/05	23:38	SKC	MS-B1	10.6	305-100578	ND	
Aniline	None Detected	ug/L	50	6.6	8270	01/14/05	01/20/05	23:38	SKC	MS-B1	10.6	305-100578	ND	
Anthracene	None Detected	ug/L	20	2.9	8270	01/14/05	01/20/05	23:38	SKC	MS-B1	10.6	305-100578	ND	
Benzidine	None Detected	ug/L	200	11	8270	01/14/05	01/20/05	23:38	SKC	MS-B1	10.6	305-100578	ND	C02,V11
Benzo[a]anthracene	None Detected	ug/L	20	2.1	8270	01/14/05	01/20/05	23:38	SKC	MS-B1	10.6	305-100578	ND	
Benzo[b]fluoranthene	None Detected	ug/L	20	4.1	8270	01/14/05	01/20/05	23:38	SKC	MS-B1	10.6	305-100578	ND	V11
Benzo[k]fluoranthene	None Detected	ug/L	20	2.3	8270	01/14/05	01/20/05	23:38	SKC	MS-B1	10.6	305-100578	ND	V11
Benzo[a]pyrene	None Detected	ug/L	20	2.3	8270	01/14/05	01/20/05	23:38	SKC	MS-B1	10.6	305-100578	ND	
Benzo[g,h,i]perylene	None Detected	ug/L	20	2.1	8270	01/14/05	01/20/05	23:38	SKC	MS-B1	10.6	305-100578	ND	
Benzoic acid	None Detected	ug/L	100	14	8270	01/14/05	01/20/05	23:38	SKC	MS-B1	10.6	305-100578	ND	S09
Benzyl alcohol	None Detected	ug/L	20	2.6	8270	01/14/05	01/20/05	23:38	SKC	MS-B1	10.6	305-100578	ND	S09
Benzyl butyl phthalate	None Detected	ug/L	20	2.7	8270	01/14/05	01/20/05	23:38	SKC	MS-B1	10.6	305-100578	ND	
alpha-BHC	None Detected	ug/L	20	4.5	8270	01/14/05	01/20/05	23:38	SKC	MS-B1	10.6	305-100578	ND	
beta-BHC	None Detected	ug/L	20	2.8	8270	01/14/05	01/20/05	23:38	SKC	MS-B1	10.6	305-100578	ND	
delta-BHC	None Detected	ug/L	20	2.6	8270	01/14/05	01/20/05	23:38	SKC	MS-B1	10.6	305-100578	ND	
gamma-BHC (Lindane)	None Detected	ug/L	20	2.6	8270	01/14/05	01/20/05	23:38	SKC	MS-B1	10.6	305-100578	ND	
bis(2-Chloroethyl) ether	None Detected	ug/L	20	3.9	8270	01/14/05	01/20/05	23:38	SKC	MS-B1	10.6	305-100578	ND	
bis(2-Chloroethoxy)methane	None Detected	ug/L	20	2.7	8270	01/14/05	01/20/05	23:38	SKC	MS-B1	10.6	305-100578	ND	
bis(2-Chloro-1-methylethyl) ether	None Detected	ug/L	20	2.1	8270	01/14/05	01/20/05	23:38	SKC	MS-B1	10.6	305-100578	ND	
bis(2-Ethylhexyl)phthalate	None Detected	ug/L	50	3.1	8270	01/14/05	01/20/05	23:38	SKC	MS-B1	10.6	305-100578	ND	
4-Bromophenyl phenyl ether	None Detected	ug/L	20	3.0	8270	01/14/05	01/20/05	23:38	SKC	MS-B1	10.6	305-100578	ND	

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Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270)

Sample Description	828830/02010000, AMERICAN CANYON LANDFILL, G-3A, 01/11/2005 @ 09:16, PAUL WEINHARDT

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date	Run Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
4-Chloroaniline	None Detected	ug/L	20	6.3	8270	01/14/05	01/20/05	23:38	SKC	MS-B1	10.6	305-100578	ND	
2-Chloronaphthalene	None Detected	ug/L	20	2.5	8270	01/14/05	01/20/05	23:38	SKC	MS-B1	10.6	305-100578	ND	
4-Chlorophenyl phenyl ether	None Detected	ug/L	20	2.6	8270	01/14/05	01/20/05	23:38	SKC	MS-B1	10.6	305-100578	ND	
Chrysene	None Detected	ug/L	20	4.2	8270	01/14/05	01/20/05	23:38	SKC	MS-B1	10.6	305-100578	ND	
4,4'-DDD	None Detected	ug/L	20	2.5	8270	01/14/05	01/20/05	23:38	SKC	MS-B1	10.6	305-100578	ND	
4,4'-DDE	None Detected	ug/L	30	2.8	8270	01/14/05	01/20/05	23:38	SKC	MS-B1	10.6	305-100578	ND	
4,4'-DDT	None Detected	ug/L	20	2.4	8270	01/14/05	01/20/05	23:38	SKC	MS-B1	10.6	305-100578	ND	
Dibenzo[a,h]anthracene	None Detected	ug/L	30	2.1	8270	01/14/05	01/20/05	23:38	SKC	MS-B1	10.6	305-100578	ND	
Dibenzofuran	None Detected	ug/L	20	2.5	8270	01/14/05	01/20/05	23:38	SKC	MS-B1	10.6	305-100578	ND	
Di-n-butyl phthalate	None Detected	ug/L	20	3.3	8270	01/14/05	01/20/05	23:38	SKC	MS-B1	10.6	305-100578	ND	
1,2-Dichlorobenzene	None Detected	ug/L	20	3.3	8270	01/14/05	01/20/05	23:38	SKC	MS-B1	10.6	305-100578	ND	
1,3-Dichlorobenzene	None Detected	ug/L	20	3.6	8270	01/14/05	01/20/05	23:38	SKC	MS-B1	10.6	305-100578	ND	
1,4-Dichlorobenzene	None Detected	ug/L	20	4.2	8270	01/14/05	01/20/05	23:38	SKC	MS-B1	10.6	305-100578	ND	
3,3-Dichlorobenzidine	None Detected	ug/L	100	2.7	8270	01/14/05	01/20/05	23:38	SKC	MS-B1	10.6	305-100578	ND	
Dieldrin	None Detected	ug/L	30	2.1	8270	01/14/05	01/20/05	23:38	SKC	MS-B1	10.6	305-100578	ND	
Diethyl phthalate	None Detected	ug/L	20	2.8	8270	01/14/05	01/20/05	23:38	SKC	MS-B1	10.6	305-100578	ND	
Dimethyl phthalate	None Detected	ug/L	20	2.3	8270	01/14/05	01/20/05	23:38	SKC	MS-B1	10.6	305-100578	ND	
2,4-Dinitrotoluene	None Detected	ug/L	20	2.3	8270	01/14/05	01/20/05	23:38	SKC	MS-B1	10.6	305-100578	ND	
2,6-Dinitrotoluene	None Detected	ug/L	20	2.4	8270	01/14/05	01/20/05	23:38	SKC	MS-B1	10.6	305-100578	ND	
Di-n-octyl phthalate	None Detected	ug/L	20	2.4	8270	01/14/05	01/20/05	23:38	SKC	MS-B1	10.6	305-100578	ND	
1,2-Diphenylhydrazine	None Detected	ug/L	20	2.4	8270	01/14/05	01/20/05	23:38	SKC	MS-B1	10.6	305-100578	ND	
Endosulfan I	None Detected	ug/L	100	19	8270	01/14/05	01/20/05	23:38	SKC	MS-B1	10.6	305-100578	ND	
Endosulfan II	None Detected	ug/L	100	9.1	8270	01/14/05	01/20/05	23:38	SKC	MS-B1	10.6	305-100578	ND	
Endosulfan sulfate	None Detected	ug/L	30	4.0	8270	01/14/05	01/20/05	23:38	SKC	MS-B1	10.6	305-100578	ND	
Endrin	None Detected	ug/L	20	3.7	8270	01/14/05	01/20/05	23:38	SKC	MS-B1	10.6	305-100578	ND	
Endrin aldehyde	None Detected	ug/L	100	2.0	8270	01/14/05	01/20/05	23:38	SKC	MS-B1	10.6	305-100578	ND	
Fluoranthene	None Detected	ug/L	20	3.0	8270	01/14/05	01/20/05	23:38	SKC	MS-B1	10.6	305-100578	ND	
Fluorene	None Detected	ug/L	20	2.9	8270	01/14/05	01/20/05	23:38	SKC	MS-B1	10.6	305-100578	ND	
Heptachlor	None Detected	ug/L	20	3.8	8270	01/14/05	01/20/05	23:38	SKC	MS-B1	10.6	305-100578	ND	
Heptachlor epoxide	None Detected	ug/L	20	5.6	8270	01/14/05	01/20/05	23:38	SKC	MS-B1	10.6	305-100578	ND	V11
Hexachlorobenzene	None Detected	ug/L	20	3.8	8270	01/14/05	01/20/05	23:38	SKC	MS-B1	10.6	305-100578	ND	
Hexachlorobutadiene	None Detected	ug/L	20	3.8	8270	01/14/05	01/20/05	23:38	SKC	MS-B1	10.6	305-100578	ND	
Hexachlorocyclopentadiene	None Detected	ug/L	20	3.2	8270	01/14/05	01/20/05	23:38	SKC	MS-B1	10.6	305-100578	ND	V11
Hexachloroethane	None Detected	ug/L	20	4.6	8270	01/14/05	01/20/05	23:38	SKC	MS-B1	10.6	305-100578	ND	

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Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270)

Sample Description	828830/02010000, AMERICAN CANYON LANDFILL, G-3A, 01/11/2005 @ 09:16, PAUL WEINHARDT

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date	Run Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Indeno[1,2,3-cd]pyrene	None Detected	ug/L	20	2.6	8270	01/14/05	01/20/05	23:38	SKC	MS-B1	10.6	305-100578	ND	
Isophorone	None Detected	ug/L	20	2.6	8270	01/14/05	01/20/05	23:38	SKC	MS-B1	10.6	305-100578	ND	
2-Methylnaphthalene	None Detected	ug/L	20	4.2	8270	01/14/05	01/20/05	23:38	SKC	MS-B1	10.6	305-100578	ND	
Naphthalene	None Detected	ug/L	20	3.1	8270	01/14/05	01/20/05	23:38	SKC	MS-B1	10.6	305-100578	ND	
2-Naphthylamine	None Detected	ug/L	200	8.8	8270	01/14/05	01/20/05	23:38	SKC	MS-B1	10.6	305-100578	ND	C02,V11
2-Nitroaniline	None Detected	ug/L	20	2.4	8270	01/14/05	01/20/05	23:38	SKC	MS-B1	10.6	305-100578	ND	
3-Nitroaniline	None Detected	ug/L	20	3.8	8270	01/14/05	01/20/05	23:38	SKC	MS-B1	10.6	305-100578	ND	
4-Nitroaniline	None Detected	ug/L	50	2.3	8270	01/14/05	01/20/05	23:38	SKC	MS-B1	10.6	305-100578	ND	
Nitrobenzene	None Detected	ug/L	20	2.7	8270	01/14/05	01/20/05	23:38	SKC	MS-B1	10.6	305-100578	ND	
N-Nitrosodimethylamine	None Detected	ug/L	20	1.5	8270	01/14/05	01/20/05	23:38	SKC	MS-B1	10.6	305-100578	ND	V11
N-Nitrosodiphenylamine	None Detected	ug/L	20	2.6	8270	01/14/05	01/20/05	23:38	SKC	MS-B1	10.6	305-100578	ND	
N-Nitrosodi-N-propylamine	None Detected	ug/L	20	2.2	8270	01/14/05	01/20/05	23:38	SKC	MS-B1	10.6	305-100578	ND	
Phenanthrene	None Detected	ug/L	20	3.2	8270	01/14/05	01/20/05	23:38	SKC	MS-B1	10.6	305-100578	ND	
Pyrene	None Detected	ug/L	20	2.2	8270	01/14/05	01/20/05	23:38	SKC	MS-B1	10.6	305-100578	ND	
1,2,4-Trichlorobenzene	None Detected	ug/L	20	3.5	8270	01/14/05	01/20/05	23:38	SKC	MS-B1	10.6	305-100578	ND	
4-Chloro-3-methylphenol	None Detected	ug/L	50	2.7	8270	01/14/05	01/20/05	23:38	SKC	MS-B1	10.6	305-100578	ND	
2-Chlorophenol	None Detected	ug/L	20	2.4	8270	01/14/05	01/20/05	23:38	SKC	MS-B1	10.6	305-100578	ND	S09
2,4-Dichlorophenol	None Detected	ug/L	20	2.7	8270	01/14/05	01/20/05	23:38	SKC	MS-B1	10.6	305-100578	ND	S09
2,4-Dimethylphenol	None Detected	ug/L	20	5.5	8270	01/14/05	01/20/05	23:38	SKC	MS-B1	10.6	305-100578	ND	S09
2,4-Dinitrophenol	None Detected	ug/L	100	2.0	8270	01/14/05	01/20/05	23:38	SKC	MS-B1	10.6	305-100578	ND	
2-Methyl-4,6-dinitrophenol	None Detected	ug/L	100	2.0	8270	01/14/05	01/20/05	23:38	SKC	MS-B1	10.6	305-100578	ND	
2-Methylphenol	None Detected	ug/L	20	2.2	8270	01/14/05	01/20/05	23:38	SKC	MS-B1	10.6	305-100578	ND	S09
3- & 4-Methylphenol	None Detected	ug/L	20	4.7	8270	01/14/05	01/20/05	23:38	SKC	MS-B1	10.6	305-100578	ND	S09
2-Nitrophenol	None Detected	ug/L	20	2.6	8270	01/14/05	01/20/05	23:38	SKC	MS-B1	10.6	305-100578	ND	S09
4-Nitrophenol	None Detected	ug/L	20	0.80	8270	01/14/05	01/20/05	23:38	SKC	MS-B1	10.6	305-100578	ND	
Pentachlorophenol	None Detected	ug/L	100	3.2	8270	01/14/05	01/20/05	23:38	SKC	MS-B1	10.6	305-100578	ND	
Phenol	None Detected	ug/L	20	1.8	8270	01/14/05	01/20/05	23:38	SKC	MS-B1	10.6	305-100578	ND	S09
2,4,5-Trichlorophenol	None Detected	ug/L	50	2.2	8270	01/14/05	01/20/05	23:38	SKC	MS-B1	10.6	305-100578	ND	
2,4,6-Trichlorophenol	None Detected	ug/L	50	2.6	8270	01/14/05	01/20/05	23:38	SKC	MS-B1	10.6	305-100578	ND	

Surrogate Compounds	Result	Units	Control Limits	Method	Prep Date	Run Date	Run Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
2-Fluorophenol	87	%	29-90	8270	01/14/05	01/20/05	23:38	SKC	MS-B1	10.6	305-100578		
Phenol-d5	80	%	21-70	8270	01/14/05	01/20/05	23:38	SKC	MS-B1	10.6	305-100578		S09
Nitrobenzene-d5	112	%	57-121	8270	01/14/05	01/20/05	23:38	SKC	MS-B1	10.6	305-100578		

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Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270)

Sample Description	828830/02010000, AMERICAN CANYON LANDFILL, G-3A, 01/11/2005 @ 09:16, PAUL WEINHARDT

Surrogate Compounds	Result	Units	Control Limits	Method	Prep Date	Run Date	Run Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
2-Fluorobiphenyl	114	%	50-115	8270	01/14/05	01/20/05	23:38	SKC	MS-B1	10.6	305-100578		
2,4,6-Tribromophenol	98	%	53-148	8270	01/14/05	01/20/05	23:38	SKC	MS-B1	10.6	305-100578		
p-Terphenyl-d14	101	%	31-135	8270	01/14/05	01/20/05	23:38	SKC	MS-B1	10.6	305-100578		

Flag	Explanations
C02	The relative standard deviation of the calibration curve response factors exceeds the control limit.
S09	The surrogate recovery on the sample for this compound was not within the control limits.
V11	The Continuing Calibration Verification (CCV) recovery is not within established control limits.

California DOHS Certification #1186

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SHAW ENVIRONMENTAL & INFRASTRUCTURE, INC.
1326 NORTH MARKET BOULEVARD
SACRAMENTO, CA 95834
Attn: JULIAN ISHAM

Water Analysis (General Chemistry)

COC Number	---	**Receive Date/Time**	01/13/2005 @ 08:20
Project Number	828830/02010000	**Sampling Date/Time**	01/11/2005 @ 10:23
Sampling Location	AMERICAN CANYON LANDFILL	**Sample Depth**	---
Sampling Point	G-7	**Sample Matrix**	Water
Sampled By	PAUL WEINHARDT	**BCL Sample ID**	05-00421-4

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date	Run Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Total Dissolved Solids @ 180 C	6350	mg/L	500	300	EPA-160.1	01/17/05	01/17/05	11:50	MV1	MANUAL	50	284-102806	ND	

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1326 NORTH MARKET BOULEVARD
SACRAMENTO, CA 95834
Attn: JULIAN ISHAM

Water Analysis (Metals)

COC Number	---	**Receive Date/Time**	01/13/2005 @ 08:20
Project Number	828830/02010000	**Sampling Date/Time**	01/11/2005 @ 10:23
Sampling Location	AMERICAN CANYON LANDFILL	**Sample Depth**	---
Sampling Point	G-7	**Sample Matrix**	Water
Sampled By	PAUL WEINHARDT	**BCL Sample ID**	05-00421-4

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date	Run Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Dissolved Arsenic	20	ug/L	10	3.9	EPA-200.8	01/16/05	01/29/05	01:57	MJP	PE-EL1	5	352-101744	ND	A01,Q03
Dissolved Cadmium	None Detected	ug/L	100	27	EPA-6010	01/16/05	01/19/05	13:08	ARD	PE-OP2	10	385-101744	ND	A01
Dissolved Chromium	4.0	ug/L	100	4.0	EPA-6010	01/16/05	01/19/05	13:08	ARD	PE-OP2	10	385-101744	ND	A01,R01
Dissolved Copper	None Detected	ug/L	100	4.1	EPA-6010	01/16/05	01/19/05	13:08	ARD	PE-OP2	10	385-101744	ND	A01
Dissolved Lead	None Detected	ug/L	5	0.14	EPA-200.8	01/16/05	01/29/05	01:57	MJP	PE-EL1	5	352-101744	ND	A01
Dissolved Nickel	None Detected	ug/L	100	11	EPA-6010	01/16/05	01/19/05	13:08	ARD	PE-OP2	10	385-101744	ND	A01

Flag	Explanations
A01	PQL's and MDL's are raised due to sample dilution.
Q03	Matrix spike recovery is not within the control limits.
R01	The sample result is between the MDL and PQL.

Comments

Sample was filtered thru 0.45 u filter and acidified prior to metal analysis.

California DOHS Certification #1186

BC Laboratories, Inc

SHAW ENVIRONMENTAL & INFRASTRUCTURE, INC.
1326 NORTH MARKET BOULEVARD
SACRAMENTO, CA 95834
Attn: JULIAN ISHAM

Volatile Organic Analysis (EPA Method 8260)

COC Number	---	**Receive Date/Time**	01/13/2005 @ 08:20
Project Number	828830/02010000	**Sampling Date/Time**	01/11/2005 @ 10:23
Sampling Location	AMERICAN CANYON LANDFILL	**Sample Depth**	---
Sampling Point	G-7	**Sample Matrix**	Water
Sampled By	PAUL WEINHARDT	**BCL Sample ID**	05-00421-4

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date	Run Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Benzene	None Detected	ug/L	0.5	0.12	8260	01/15/05	01/15/05	06:11	SVM	MS-V6	1	323-100579	ND	S09
Bromobenzene	None Detected	ug/L	0.5	0.12	8260	01/15/05	01/15/05	06:11	SVM	MS-V6	1	323-100579	ND	
Bromochloromethane	None Detected	ug/L	0.5	0.13	8260	01/15/05	01/15/05	06:11	SVM	MS-V6	1	323-100579	ND	
Bromodichloromethane	None Detected	ug/L	0.5	0.12	8260	01/15/05	01/15/05	06:11	SVM	MS-V6	1	323-100579	ND	S09
Bromoform	None Detected	ug/L	0.5	0.33	8260	01/15/05	01/15/05	06:11	SVM	MS-V6	1	323-100579	ND	
Bromomethane	None Detected	ug/L	1	0.21	8260	01/15/05	01/15/05	06:11	SVM	MS-V6	1	323-100579	ND	S09
n-Butylbenzene	None Detected	ug/L	0.5	0.13	8260	01/15/05	01/15/05	06:11	SVM	MS-V6	1	323-100579	ND	
sec-Butylbenzene	None Detected	ug/L	0.5	0.11	8260	01/15/05	01/15/05	06:11	SVM	MS-V6	1	323-100579	ND	
tert-Butylbenzene	None Detected	ug/L	0.5	0.11	8260	01/15/05	01/15/05	06:11	SVM	MS-V6	1	323-100579	ND	
Carbon tetrachloride	None Detected	ug/L	0.5	0.15	8260	01/15/05	01/15/05	06:11	SVM	MS-V6	1	323-100579	ND	S09
Chlorobenzene	None Detected	ug/L	0.5	0.12	8260	01/15/05	01/15/05	06:11	SVM	MS-V6	1	323-100579	ND	
Chloroethane	None Detected	ug/L	0.5	0.17	8260	01/15/05	01/15/05	06:11	SVM	MS-V6	1	323-100579	ND	S09
Chloroform	None Detected	ug/L	0.5	0.11	8260	01/15/05	01/15/05	06:11	SVM	MS-V6	1	323-100579	ND	S09
Chloromethane	None Detected	ug/L	0.5	0.17	8260	01/15/05	01/15/05	06:11	SVM	MS-V6	1	323-100579	ND	S09
2-Chlorotoluene	None Detected	ug/L	0.5	0.17	8260	01/15/05	01/15/05	06:11	SVM	MS-V6	1	323-100579	ND	
4-Chlorotoluene	None Detected	ug/L	0.5	0.13	8260	01/15/05	01/15/05	06:11	SVM	MS-V6	1	323-100579	ND	
Dibromochloromethane	None Detected	ug/L	0.5	0.11	8260	01/15/05	01/15/05	06:11	SVM	MS-V6	1	323-100579	ND	
1,2-Dibromo-3-chloropropane	None Detected	ug/L	1	0.69	8260	01/15/05	01/15/05	06:11	SVM	MS-V6	1	323-100579	ND	
1,2-Dibromoethane	None Detected	ug/L	0.5	0.083	8260	01/15/05	01/15/05	06:11	SVM	MS-V6	1	323-100579	ND	
Dibromomethane	None Detected	ug/L	0.5	0.14	8260	01/15/05	01/15/05	06:11	SVM	MS-V6	1	323-100579	ND	S09
1,2-Dichlorobenzene	None Detected	ug/L	0.5	0.077	8260	01/15/05	01/15/05	06:11	SVM	MS-V6	1	323-100579	ND	
1,3-Dichlorobenzene	None Detected	ug/L	0.5	0.14	8260	01/15/05	01/15/05	06:11	SVM	MS-V6	1	323-100579	ND	
1,4-Dichlorobenzene	None Detected	ug/L	0.5	0.14	8260	01/15/05	01/15/05	06:11	SVM	MS-V6	1	323-100579	ND	

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Volatile Organic Analysis (EPA Method 8260)

Sample Description	828830/02010000, AMERICAN CANYON LANDFILL, G-7, 01/11/2005 @ 10:23, PAUL WEINHARDT

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date	Run Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Dichlorodifluoromethane	None Detected	ug/L	0.5	0.20	8260	01/15/05	01/15/05	06:11	SVM	MS-V6	1	323-100579	ND	S09
1,1-Dichloroethane	None Detected	ug/L	0.5	0.13	8260	01/15/05	01/15/05	06:11	SVM	MS-V6	1	323-100579	ND	S09
1,2-Dichloroethane	None Detected	ug/L	0.5	0.25	8260	01/15/05	01/15/05	06:11	SVM	MS-V6	1	323-100579	ND	S09
1,1-Dichloroethene	None Detected	ug/L	0.5	0.11	8260	01/15/05	01/15/05	06:11	SVM	MS-V6	1	323-100579	ND	S09
cis-1,2-Dichloroethene	None Detected	ug/L	0.5	0.19	8260	01/15/05	01/15/05	06:11	SVM	MS-V6	1	323-100579	ND	S09
trans-1,2-Dichloroethene	None Detected	ug/L	0.5	0.19	8260	01/15/05	01/15/05	06:11	SVM	MS-V6	1	323-100579	ND	S09
1,2-Dichloropropane	None Detected	ug/L	0.5	0.16	8260	01/15/05	01/15/05	06:11	SVM	MS-V6	1	323-100579	ND	S09
1,3-Dichloropropane	None Detected	ug/L	0.5	0.18	8260	01/15/05	01/15/05	06:11	SVM	MS-V6	1	323-100579	ND	
2,2-Dichloropropane	None Detected	ug/L	0.5	0.14	8260	01/15/05	01/15/05	06:11	SVM	MS-V6	1	323-100579	ND	S09
1,1-Dichloropropene	None Detected	ug/L	0.5	0.18	8260	01/15/05	01/15/05	06:11	SVM	MS-V6	1	323-100579	ND	S09
cis-1,3-Dichloropropene	None Detected	ug/L	0.5	0.13	8260	01/15/05	01/15/05	06:11	SVM	MS-V6	1	323-100579	ND	
trans-1,3-Dichloropropene	None Detected	ug/L	0.5	0.14	8260	01/15/05	01/15/05	06:11	SVM	MS-V6	1	323-100579	ND	
Ethylbenzene	None Detected	ug/L	0.5	0.12	8260	01/15/05	01/15/05	06:11	SVM	MS-V6	1	323-100579	ND	
Hexachlorobutadiene	None Detected	ug/L	0.5	0.23	8260	01/15/05	01/15/05	06:11	SVM	MS-V6	1	323-100579	ND	
Isopropylbenzene	None Detected	ug/L	0.5	0.14	8260	01/15/05	01/15/05	06:11	SVM	MS-V6	1	323-100579	ND	
p-Isopropyltoluene	None Detected	ug/L	0.5	0.11	8260	01/15/05	01/15/05	06:11	SVM	MS-V6	1	323-100579	ND	
Methylene chloride	None Detected	ug/L	1	0.43	8260	01/15/05	01/15/05	06:11	SVM	MS-V6	1	323-100579	ND	S09
Naphthalene	None Detected	ug/L	0.5	0.093	8260	01/15/05	01/15/05	06:11	SVM	MS-V6	1	323-100579	ND	
n-Propylbenzene	None Detected	ug/L	0.5	0.13	8260	01/15/05	01/15/05	06:11	SVM	MS-V6	1	323-100579	ND	
Styrene	None Detected	ug/L	0.5	0.16	8260	01/15/05	01/15/05	06:11	SVM	MS-V6	1	323-100579	ND	
1,1,1,2-Tetrachloroethane	None Detected	ug/L	0.5	0.12	8260	01/15/05	01/15/05	06:11	SVM	MS-V6	1	323-100579	ND	
1,1,2,2-Tetrachloroethane	None Detected	ug/L	0.5	0.23	8260	01/15/05	01/15/05	06:11	SVM	MS-V6	1	323-100579	ND	
Tetrachloroethene	None Detected	ug/L	0.5	0.15	8260	01/15/05	01/15/05	06:11	SVM	MS-V6	1	323-100579	ND	
Toluene	None Detected	ug/L	0.5	0.15	8260	01/15/05	01/15/05	06:11	SVM	MS-V6	1	323-100579	ND	
1,2,3-Trichlorobenzene	None Detected	ug/L	0.5	0.14	8260	01/15/05	01/15/05	06:11	SVM	MS-V6	1	323-100579	ND	
1,2,4-Trichlorobenzene	None Detected	ug/L	0.5	0.060	8260	01/15/05	01/15/05	06:11	SVM	MS-V6	1	323-100579	ND	
1,1,1-Trichloroethane	None Detected	ug/L	0.5	0.16	8260	01/15/05	01/15/05	06:11	SVM	MS-V6	1	323-100579	ND	S09
1,1,2-Trichloroethane	None Detected	ug/L	0.5	0.099	8260	01/15/05	01/15/05	06:11	SVM	MS-V6	1	323-100579	ND	
Trichloroethene	None Detected	ug/L	0.5	0.18	8260	01/15/05	01/15/05	06:11	SVM	MS-V6	1	323-100579	ND	S09
Trichlorofluoromethane	None Detected	ug/L	0.5	0.20	8260	01/15/05	01/15/05	06:11	SVM	MS-V6	1	323-100579	ND	S09
1,2,3-Trichloropropane	None Detected	ug/L	1	0.40	8260	01/15/05	01/15/05	06:11	SVM	MS-V6	1	323-100579	ND	
1,1,2-Trichloro-1,2,2-trifluoroethane	None Detected	ug/L	0.5	0.18	8260	01/15/05	01/15/05	06:11	SVM	MS-V6	1	323-100579	ND	S09
1,2,4-Trimethylbenzene	None Detected	ug/L	0.5	0.11	8260	01/15/05	01/15/05	06:11	SVM	MS-V6	1	323-100579	ND	
1,3,5-Trimethylbenzene	None Detected	ug/L	0.5	0.11	8260	01/15/05	01/15/05	06:11	SVM	MS-V6	1	323-100579	ND	

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Volatile Organic Analysis (EPA Method 8260)

Sample Description	828830/02010000, AMERICAN CANYON LANDFILL, G-7, 01/11/2005 @ 10:23, PAUL WEINHARDT

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date	Run Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Vinyl chloride	None Detected	ug/L	0.5	0.16	8260	01/15/05	01/15/05	06:11	SVM	MS-V6	1	323-100579	ND	S09
Total Xylenes	None Detected	ug/L	1	0.36	8260	01/15/05	01/15/05	06:11	SVM	MS-V6	1	323-100579	ND	
Methyl t-butyl ether	None Detected	ug/L	0.5	0.12	8260	01/15/05	01/15/05	06:11	SVM	MS-V6	1	323-100579	ND	S09

Surrogate Compounds	Result	Units	Control Limits	Method	Prep Date	Run Date	Run Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
1,2-Dichloroethane-d4	135	%	76-114	8260	01/15/05	01/15/05	06:11	SVM	MS-V6	1	323-100579		S09
Toluene-d8	104	%	88-110	8260	01/15/05	01/15/05	06:11	SVM	MS-V6	1	323-100579		
4-Bromofluorobenzene	101	%	86-115	8260	01/15/05	01/15/05	06:11	SVM	MS-V6	1	323-100579		

Flag	Explanations
S09	The surrogate recovery on the sample for this compound was not within the control limits.

California DOHS Certification #1186

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SHAW ENVIRONMENTAL & INFRASTRUCTURE, INC.
1326 NORTH MARKET BOULEVARD
SACRAMENTO, CA 95834
Attn: JULIAN ISHAM

Water Analysis (General Chemistry)

COC Number	---	**Receive Date/Time**	01/13/2005 @ 08:20
Project Number	828830/02010000	**Sampling Date/Time**	01/12/2005 @ 08:10
Sampling Location	AMERICAN CANYON LANDFILL	**Sample Depth**	---
Sampling Point	G-8	**Sample Matrix**	Water
Sampled By	PAUL WEINHARDT	**BCL Sample ID**	05-00421-5

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date	Run Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Total Dissolved Solids @ 180 C	15500	mg/L	1000	500	EPA-160.1	01/17/05	01/17/05	11:50	MV1	MANUAL	100	284-102806	ND	

California DOHS Certification #1186

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SHAW ENVIRONMENTAL & INFRASTRUCTURE, INC.
1326 NORTH MARKET BOULEVARD
SACRAMENTO, CA 95834
Attn: JULIAN ISHAM

Water Analysis (Metals)

COC Number	---	**Receive Date/Time**	01/13/2005 @ 08:20
Project Number	828830/02010000	**Sampling Date/Time**	01/12/2005 @ 08:10
Sampling Location	AMERICAN CANYON LANDFILL	**Sample Depth**	---
Sampling Point	G-8	**Sample Matrix**	Water
Sampled By	PAUL WEINHARDT	**BCL Sample ID**	05-00421-5

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date	Run Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Dissolved Arsenic	67	ug/L	20	7.7	EPA-200.8	01/16/05	01/29/05	02:03	MJP	PE-EL1	10	352-101744	ND	A01,Q03
Dissolved Cadmium	None Detected	ug/L	100	27	EPA-6010	01/16/05	01/19/05	13:37	ARD	PE-OP2	10	385-101744	ND	A01
Dissolved Chromium	5.0	ug/L	100	4.0	EPA-6010	01/16/05	01/19/05	13:37	ARD	PE-OP2	10	385-101744	ND	A01,R01
Dissolved Copper	None Detected	ug/L	100	4.1	EPA-6010	01/16/05	01/19/05	13:37	ARD	PE-OP2	10	385-101744	ND	A01
Dissolved Lead	None Detected	ug/L	10	0.27	EPA-200.8	01/16/05	01/29/05	02:03	MJP	PE-EL1	10	352-101744	ND	A01
Dissolved Nickel	None Detected	ug/L	100	11	EPA-6010	01/16/05	01/19/05	13:37	ARD	PE-OP2	10	385-101744	ND	A01

Flag	Explanations
A01	PQL's and MDL's are raised due to sample dilution.
Q03	Matrix spike recovery is not within the control limits.
R01	The sample result is between the MDL and PQL.

Comments

Sample was filtered thru 0.45 u filter and acidified prior to metal analysis.

California DOHS Certification #1186

BC Laboratories, Inc

SHAW ENVIRONMENTAL & INFRASTRUCTURE, INC.
1326 NORTH MARKET BOULEVARD
SACRAMENTO, CA 95834
Attn: JULIAN ISHAM

Volatile Organic Analysis (EPA Method 8260)

COC Number	---	**Receive Date/Time**	01/13/2005 @ 08:20
Project Number	828830/02010000	**Sampling Date/Time**	01/12/2005 @ 08:10
Sampling Location	AMERICAN CANYON LANDFILL	**Sample Depth**	---
Sampling Point	G-8	**Sample Matrix**	Water
Sampled By	PAUL WEINHARDT	**BCL Sample ID**	05-00421-5

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date	Run Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Benzene	0.15	ug/L	0.5	0.12	8260	01/17/05	01/17/05	13:46	SVM	MS-V6	1	323-100579	ND	R01,S09
Bromobenzene	None Detected	ug/L	0.5	0.12	8260	01/17/05	01/17/05	13:46	SVM	MS-V6	1	323-100579	ND	
Bromochloromethane	None Detected	ug/L	0.5	0.13	8260	01/17/05	01/17/05	13:46	SVM	MS-V6	1	323-100579	ND	
Bromodichloromethane	None Detected	ug/L	0.5	0.12	8260	01/17/05	01/17/05	13:46	SVM	MS-V6	1	323-100579	ND	V11,S09
Bromoform	None Detected	ug/L	0.5	0.33	8260	01/17/05	01/17/05	13:46	SVM	MS-V6	1	323-100579	ND	V11
Bromomethane	None Detected	ug/L	1	0.21	8260	01/17/05	01/17/05	13:46	SVM	MS-V6	1	323-100579	ND	V11,S09
n-Butylbenzene	None Detected	ug/L	0.5	0.13	8260	01/17/05	01/17/05	13:46	SVM	MS-V6	1	323-100579	ND	
sec-Butylbenzene	None Detected	ug/L	0.5	0.11	8260	01/17/05	01/17/05	13:46	SVM	MS-V6	1	323-100579	ND	
tert-Butylbenzene	None Detected	ug/L	0.5	0.11	8260	01/17/05	01/17/05	13:46	SVM	MS-V6	1	323-100579	ND	
Carbon tetrachloride	None Detected	ug/L	0.5	0.15	8260	01/17/05	01/17/05	13:46	SVM	MS-V6	1	323-100579	ND	S09
Chlorobenzene	None Detected	ug/L	0.5	0.12	8260	01/17/05	01/17/05	13:46	SVM	MS-V6	1	323-100579	ND	
Chloroethane	None Detected	ug/L	0.5	0.17	8260	01/17/05	01/17/05	13:46	SVM	MS-V6	1	323-100579	ND	S09
Chloroform	None Detected	ug/L	0.5	0.11	8260	01/17/05	01/17/05	13:46	SVM	MS-V6	1	323-100579	ND	S09
Chloromethane	None Detected	ug/L	0.5	0.17	8260	01/17/05	01/17/05	13:46	SVM	MS-V6	1	323-100579	ND	S09
2-Chlorotoluene	None Detected	ug/L	0.5	0.17	8260	01/17/05	01/17/05	13:46	SVM	MS-V6	1	323-100579	ND	
4-Chlorotoluene	None Detected	ug/L	0.5	0.13	8260	01/17/05	01/17/05	13:46	SVM	MS-V6	1	323-100579	ND	
Dibromochloromethane	None Detected	ug/L	0.5	0.11	8260	01/17/05	01/17/05	13:46	SVM	MS-V6	1	323-100579	ND	V11
1,2-Dibromo-3-chloropropane	None Detected	ug/L	1	0.69	8260	01/17/05	01/17/05	13:46	SVM	MS-V6	1	323-100579	ND	V11
1,2-Dibromoethane	None Detected	ug/L	0.5	0.083	8260	01/17/05	01/17/05	13:46	SVM	MS-V6	1	323-100579	ND	
Dibromomethane	None Detected	ug/L	0.5	0.14	8260	01/17/05	01/17/05	13:46	SVM	MS-V6	1	323-100579	ND	S09
1,2-Dichlorobenzene	None Detected	ug/L	0.5	0.077	8260	01/17/05	01/17/05	13:46	SVM	MS-V6	1	323-100579	ND	
1,3-Dichlorobenzene	None Detected	ug/L	0.5	0.14	8260	01/17/05	01/17/05	13:46	SVM	MS-V6	1	323-100579	ND	
1,4-Dichlorobenzene	None Detected	ug/L	0.5	0.14	8260	01/17/05	01/17/05	13:46	SVM	MS-V6	1	323-100579	ND	

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Volatile Organic Analysis (EPA Method 8260)

Sample Description	828830/02010000, AMERICAN CANYON LANDFILL, G-8, 01/12/2005 @ 08:10, PAUL WEINHARDT

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date	Run Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Dichlorodifluoromethane	None Detected	ug/L	0.5	0.20	8260	01/17/05	01/17/05	13:46	SVM	MS-V6	1	323-100579	ND	S09
1,1-Dichloroethane	None Detected	ug/L	0.5	0.13	8260	01/17/05	01/17/05	13:46	SVM	MS-V6	1	323-100579	ND	S09
1,2-Dichloroethane	None Detected	ug/L	0.5	0.25	8260	01/17/05	01/17/05	13:46	SVM	MS-V6	1	323-100579	ND	S09
1,1-Dichloroethene	None Detected	ug/L	0.5	0.11	8260	01/17/05	01/17/05	13:46	SVM	MS-V6	1	323-100579	ND	S09
cis-1,2-Dichloroethene	None Detected	ug/L	0.5	0.19	8260	01/17/05	01/17/05	13:46	SVM	MS-V6	1	323-100579	ND	S09
trans-1,2-Dichloroethene	None Detected	ug/L	0.5	0.19	8260	01/17/05	01/17/05	13:46	SVM	MS-V6	1	323-100579	ND	S09
1,2-Dichloropropane	None Detected	ug/L	0.5	0.16	8260	01/17/05	01/17/05	13:46	SVM	MS-V6	1	323-100579	ND	S09
1,3-Dichloropropane	None Detected	ug/L	0.5	0.18	8260	01/17/05	01/17/05	13:46	SVM	MS-V6	1	323-100579	ND	
2,2-Dichloropropane	None Detected	ug/L	0.5	0.14	8260	01/17/05	01/17/05	13:46	SVM	MS-V6	1	323-100579	ND	S09
1,1-Dichloropropene	None Detected	ug/L	0.5	0.18	8260	01/17/05	01/17/05	13:46	SVM	MS-V6	1	323-100579	ND	S09
cis-1,3-Dichloropropene	None Detected	ug/L	0.5	0.13	8260	01/17/05	01/17/05	13:46	SVM	MS-V6	1	323-100579	ND	
trans-1,3-Dichloropropene	None Detected	ug/L	0.5	0.14	8260	01/17/05	01/17/05	13:46	SVM	MS-V6	1	323-100579	ND	
Ethylbenzene	0.18	ug/L	0.5	0.12	8260	01/17/05	01/17/05	13:46	SVM	MS-V6	1	323-100579	ND	R01
Hexachlorobutadiene	None Detected	ug/L	0.5	0.23	8260	01/17/05	01/17/05	13:46	SVM	MS-V6	1	323-100579	ND	
Isopropylbenzene	None Detected	ug/L	0.5	0.14	8260	01/17/05	01/17/05	13:46	SVM	MS-V6	1	323-100579	ND	
p-Isopropyltoluene	None Detected	ug/L	0.5	0.11	8260	01/17/05	01/17/05	13:46	SVM	MS-V6	1	323-100579	ND	
Methylene chloride	None Detected	ug/L	1	0.43	8260	01/17/05	01/17/05	13:46	SVM	MS-V6	1	323-100579	ND	S09
Naphthalene	3.1	ug/L	0.5	0.093	8260	01/17/05	01/17/05	13:46	SVM	MS-V6	1	323-100579	ND	
n-Propylbenzene	None Detected	ug/L	0.5	0.13	8260	01/17/05	01/17/05	13:46	SVM	MS-V6	1	323-100579	ND	
Styrene	None Detected	ug/L	0.5	0.16	8260	01/17/05	01/17/05	13:46	SVM	MS-V6	1	323-100579	ND	
1,1,1,2-Tetrachloroethane	None Detected	ug/L	0.5	0.12	8260	01/17/05	01/17/05	13:46	SVM	MS-V6	1	323-100579	ND	
1,1,2,2-Tetrachloroethane	None Detected	ug/L	0.5	0.23	8260	01/17/05	01/17/05	13:46	SVM	MS-V6	1	323-100579	ND	
Tetrachloroethene	None Detected	ug/L	0.5	0.15	8260	01/17/05	01/17/05	13:46	SVM	MS-V6	1	323-100579	ND	
Toluene	None Detected	ug/L	0.5	0.15	8260	01/17/05	01/17/05	13:46	SVM	MS-V6	1	323-100579	ND	
1,2,3-Trichlorobenzene	None Detected	ug/L	0.5	0.14	8260	01/17/05	01/17/05	13:46	SVM	MS-V6	1	323-100579	ND	
1,2,4-Trichlorobenzene	None Detected	ug/L	0.5	0.060	8260	01/17/05	01/17/05	13:46	SVM	MS-V6	1	323-100579	ND	
1,1,1-Trichloroethane	None Detected	ug/L	0.5	0.16	8260	01/17/05	01/17/05	13:46	SVM	MS-V6	1	323-100579	ND	S09
1,1,2-Trichloroethane	None Detected	ug/L	0.5	0.099	8260	01/17/05	01/17/05	13:46	SVM	MS-V6	1	323-100579	ND	
Trichloroethene	None Detected	ug/L	0.5	0.18	8260	01/17/05	01/17/05	13:46	SVM	MS-V6	1	323-100579	ND	S09
Trichlorofluoromethane	None Detected	ug/L	0.5	0.20	8260	01/17/05	01/17/05	13:46	SVM	MS-V6	1	323-100579	ND	S09
1,2,3-Trichloropropane	None Detected	ug/L	1	0.40	8260	01/17/05	01/17/05	13:46	SVM	MS-V6	1	323-100579	ND	
1,1,2-Trichloro-1,2,2-trifluoroethane	None Detected	ug/L	0.5	0.18	8260	01/17/05	01/17/05	13:46	SVM	MS-V6	1	323-100579	ND	S09
1,2,4-Trimethylbenzene	None Detected	ug/L	0.5	0.11	8260	01/17/05	01/17/05	13:46	SVM	MS-V6	1	323-100579	ND	
1,3,5-Trimethylbenzene	None Detected	ug/L	0.5	0.11	8260	01/17/05	01/17/05	13:46	SVM	MS-V6	1	323-100579	ND	

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Volatile Organic Analysis (EPA Method 8260)

Sample Description	828830/02010000, AMERICAN CANYON LANDFILL, G-8, 01/12/2005 @ 08:10, PAUL WEINHARDT

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date	Run Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Vinyl chloride	None Detected	ug/L	0.5	0.16	8260	01/17/05	01/17/05	13:46	SVM	MS-V6	1	323-100579	ND	S09
Total Xylenes	0.49	ug/L	1	0.36	8260	01/17/05	01/17/05	13:46	SVM	MS-V6	1	323-100579	ND	R01
Methyl t-butyl ether	None Detected	ug/L	0.5	0.12	8260	01/17/05	01/17/05	13:46	SVM	MS-V6	1	323-100579	ND	S09

Surrogate Compounds	Result	Units	Control Limits	Method	Prep Date	Run Date	Run Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
1,2-Dichloroethane-d4	118	%	76-114	8260	01/17/05	01/17/05	13:46	SVM	MS-V6	1	323-100579		S09
Toluene-d8	99	%	88-110	8260	01/17/05	01/17/05	13:46	SVM	MS-V6	1	323-100579		
4-Bromofluorobenzene	100	%	86-115	8260	01/17/05	01/17/05	13:46	SVM	MS-V6	1	323-100579		

Flag	Explanations
R01	The sample result is between the MDL and PQL.
S09	The surrogate recovery on the sample for this compound was not within the control limits.
V11	The Continuing Calibration Verification (CCV) recovery is not within established control limits.

Comments

Sample recieved at pH=6.

California DOHS Certification #1186

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SHAW ENVIRONMENTAL & INFRASTRUCTURE, INC.
1326 NORTH MARKET BOULEVARD
SACRAMENTO, CA 95834
Attn: JULIAN ISHAM

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270)

COC Number	---	**Receive Date/Time**	01/13/2005 @ 08:20
Project Number	828830/02010000	**Sampling Date/Time**	01/12/2005 @ 08:10
Sampling Location	AMERICAN CANYON LANDFILL	**Sample Depth**	---
Sampling Point	G-8	**Sample Matrix**	Water
Sampled By	PAUL WEINHARDT	**BCL Sample ID**	05-00421-5

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date	Run Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Acenaphthene	None Detected	ug/L	20	2.1	8270	01/14/05	01/21/05	00:08	SKC	MS-B1	10.3	305-100578	ND	
Acenaphthylene	None Detected	ug/L	20	2.0	8270	01/14/05	01/21/05	00:08	SKC	MS-B1	10.3	305-100578	ND	
Aldrin	None Detected	ug/L	20	3.2	8270	01/14/05	01/21/05	00:08	SKC	MS-B1	10.3	305-100578	ND	
Aniline	None Detected	ug/L	50	6.4	8270	01/14/05	01/21/05	00:08	SKC	MS-B1	10.3	305-100578	ND	S09
Anthracene	None Detected	ug/L	20	2.8	8270	01/14/05	01/21/05	00:08	SKC	MS-B1	10.3	305-100578	ND	
Benzidine	None Detected	ug/L	200	9.9	8270	01/14/05	01/21/05	00:08	SKC	MS-B1	10.3	305-100578	ND	C02,V11
Benzo[a]anthracene	None Detected	ug/L	20	2.0	8270	01/14/05	01/21/05	00:08	SKC	MS-B1	10.3	305-100578	ND	
Benzo[b]fluoranthene	None Detected	ug/L	20	4.0	8270	01/14/05	01/21/05	00:08	SKC	MS-B1	10.3	305-100578	ND	V11
Benzo[k]fluoranthene	None Detected	ug/L	20	2.2	8270	01/14/05	01/21/05	00:08	SKC	MS-B1	10.3	305-100578	ND	V11
Benzo[a]pyrene	None Detected	ug/L	20	2.2	8270	01/14/05	01/21/05	00:08	SKC	MS-B1	10.3	305-100578	ND	
Benzo[g,h,i]perylene	None Detected	ug/L	20	2.0	8270	01/14/05	01/21/05	00:08	SKC	MS-B1	10.3	305-100578	ND	
Benzoic acid	None Detected	ug/L	100	14	8270	01/14/05	01/21/05	00:08	SKC	MS-B1	10.3	305-100578	ND	S09
Benzyl alcohol	None Detected	ug/L	20	2.5	8270	01/14/05	01/21/05	00:08	SKC	MS-B1	10.3	305-100578	ND	S09
Benzyl butyl phthalate	None Detected	ug/L	20	2.6	8270	01/14/05	01/21/05	00:08	SKC	MS-B1	10.3	305-100578	ND	
alpha-BHC	None Detected	ug/L	20	4.4	8270	01/14/05	01/21/05	00:08	SKC	MS-B1	10.3	305-100578	ND	
beta-BHC	None Detected	ug/L	20	2.7	8270	01/14/05	01/21/05	00:08	SKC	MS-B1	10.3	305-100578	ND	
delta-BHC	None Detected	ug/L	20	2.5	8270	01/14/05	01/21/05	00:08	SKC	MS-B1	10.3	305-100578	ND	
gamma-BHC (Lindane)	None Detected	ug/L	20	2.5	8270	01/14/05	01/21/05	00:08	SKC	MS-B1	10.3	305-100578	ND	
bis(2-Chloroethyl) ether	None Detected	ug/L	20	3.8	8270	01/14/05	01/21/05	00:08	SKC	MS-B1	10.3	305-100578	ND	S09
bis(2-Chloroethoxy)methane	None Detected	ug/L	20	2.6	8270	01/14/05	01/21/05	00:08	SKC	MS-B1	10.3	305-100578	ND	S09
bis(2-Chloro-1-methylethyl) ether	None Detected	ug/L	20	2.0	8270	01/14/05	01/21/05	00:08	SKC	MS-B1	10.3	305-100578	ND	S09
bis(2-Ethylhexyl)phthalate	None Detected	ug/L	50	3.0	8270	01/14/05	01/21/05	00:08	SKC	MS-B1	10.3	305-100578	ND	
4-Bromophenyl phenyl ether	None Detected	ug/L	20	2.9	8270	01/14/05	01/21/05	00:08	SKC	MS-B1	10.3	305-100578	ND	

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Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270)

Sample Description	828830/02010000, AMERICAN CANYON LANDFILL, G-8, 01/12/2005 @ 08:10, PAUL WEINHARDT

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date	Run Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
4-Chloroaniline	None Detected	ug/L	20	6.1	8270	01/14/05	01/21/05	00:08	SKC	MS-B1	10.3	305-100578	ND	S09
2-Chloronaphthalene	None Detected	ug/L	20	2.4	8270	01/14/05	01/21/05	00:08	SKC	MS-B1	10.3	305-100578	ND	
4-Chlorophenyl phenyl ether	None Detected	ug/L	20	2.5	8270	01/14/05	01/21/05	00:08	SKC	MS-B1	10.3	305-100578	ND	
Chrysene	None Detected	ug/L	20	4.1	8270	01/14/05	01/21/05	00:08	SKC	MS-B1	10.3	305-100578	ND	
4,4'-DDD	None Detected	ug/L	20	2.4	8270	01/14/05	01/21/05	00:08	SKC	MS-B1	10.3	305-100578	ND	
4,4'-DDE	None Detected	ug/L	30	2.7	8270	01/14/05	01/21/05	00:08	SKC	MS-B1	10.3	305-100578	ND	
4,4'-DDT	None Detected	ug/L	20	2.3	8270	01/14/05	01/21/05	00:08	SKC	MS-B1	10.3	305-100578	ND	
Dibenzo[a,h]anthracene	None Detected	ug/L	30	2.0	8270	01/14/05	01/21/05	00:08	SKC	MS-B1	10.3	305-100578	ND	
Dibenzofuran	None Detected	ug/L	20	2.4	8270	01/14/05	01/21/05	00:08	SKC	MS-B1	10.3	305-100578	ND	
Di-n-butyl phthalate	None Detected	ug/L	20	3.2	8270	01/14/05	01/21/05	00:08	SKC	MS-B1	10.3	305-100578	ND	
1,2-Dichlorobenzene	None Detected	ug/L	20	3.2	8270	01/14/05	01/21/05	00:08	SKC	MS-B1	10.3	305-100578	ND	S09
1,3-Dichlorobenzene	None Detected	ug/L	20	3.5	8270	01/14/05	01/21/05	00:08	SKC	MS-B1	10.3	305-100578	ND	S09
1,4-Dichlorobenzene	None Detected	ug/L	20	4.1	8270	01/14/05	01/21/05	00:08	SKC	MS-B1	10.3	305-100578	ND	S09
3,3-Dichlorobenzidine	None Detected	ug/L	100	2.6	8270	01/14/05	01/21/05	00:08	SKC	MS-B1	10.3	305-100578	ND	
Dieldrin	None Detected	ug/L	30	2.0	8270	01/14/05	01/21/05	00:08	SKC	MS-B1	10.3	305-100578	ND	
Diethyl phthalate	None Detected	ug/L	20	2.7	8270	01/14/05	01/21/05	00:08	SKC	MS-B1	10.3	305-100578	ND	
Dimethyl phthalate	None Detected	ug/L	20	2.2	8270	01/14/05	01/21/05	00:08	SKC	MS-B1	10.3	305-100578	ND	
2,4-Dinitrotoluene	None Detected	ug/L	20	2.2	8270	01/14/05	01/21/05	00:08	SKC	MS-B1	10.3	305-100578	ND	
2,6-Dinitrotoluene	None Detected	ug/L	20	2.3	8270	01/14/05	01/21/05	00:08	SKC	MS-B1	10.3	305-100578	ND	
Di-n-octyl phthalate	None Detected	ug/L	20	2.3	8270	01/14/05	01/21/05	00:08	SKC	MS-B1	10.3	305-100578	ND	
1,2-Diphenylhydrazine	None Detected	ug/L	20	2.3	8270	01/14/05	01/21/05	00:08	SKC	MS-B1	10.3	305-100578	ND	
Endosulfan I	None Detected	ug/L	100	18	8270	01/14/05	01/21/05	00:08	SKC	MS-B1	10.3	305-100578	ND	
Endosulfan II	None Detected	ug/L	100	8.8	8270	01/14/05	01/21/05	00:08	SKC	MS-B1	10.3	305-100578	ND	
Endosulfan sulfate	None Detected	ug/L	30	3.9	8270	01/14/05	01/21/05	00:08	SKC	MS-B1	10.3	305-100578	ND	
Endrin	None Detected	ug/L	20	3.6	8270	01/14/05	01/21/05	00:08	SKC	MS-B1	10.3	305-100578	ND	
Endrin aldehyde	None Detected	ug/L	100	1.9	8270	01/14/05	01/21/05	00:08	SKC	MS-B1	10.3	305-100578	ND	
Fluoranthene	None Detected	ug/L	20	2.9	8270	01/14/05	01/21/05	00:08	SKC	MS-B1	10.3	305-100578	ND	
Fluorene	None Detected	ug/L	20	2.8	8270	01/14/05	01/21/05	00:08	SKC	MS-B1	10.3	305-100578	ND	
Heptachlor	None Detected	ug/L	20	3.7	8270	01/14/05	01/21/05	00:08	SKC	MS-B1	10.3	305-100578	ND	
Heptachlor epoxide	None Detected	ug/L	20	5.4	8270	01/14/05	01/21/05	00:08	SKC	MS-B1	10.3	305-100578	ND	V11
Hexachlorobenzene	None Detected	ug/L	20	3.7	8270	01/14/05	01/21/05	00:08	SKC	MS-B1	10.3	305-100578	ND	
Hexachlorobutadiene	None Detected	ug/L	20	3.7	8270	01/14/05	01/21/05	00:08	SKC	MS-B1	10.3	305-100578	ND	
Hexachlorocyclopentadiene	None Detected	ug/L	20	3.1	8270	01/14/05	01/21/05	00:08	SKC	MS-B1	10.3	305-100578	ND	V11
Hexachloroethane	None Detected	ug/L	20	4.5	8270	01/14/05	01/21/05	00:08	SKC	MS-B1	10.3	305-100578	ND	S09

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Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270)

Sample Description	828830/02010000, AMERICAN CANYON LANDFILL, G-8, 01/12/2005 @ 08:10, PAUL WEINHARDT

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date	Run Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Indeno[1,2,3-cd]pyrene	None Detected	ug/L	20	2.5	8270	01/14/05	01/21/05	00:08	SKC	MS-B1	10.3	305-100578	ND	
Isophorone	None Detected	ug/L	20	2.5	8270	01/14/05	01/21/05	00:08	SKC	MS-B1	10.3	305-100578	ND	S09
2-Methylnaphthalene	None Detected	ug/L	20	4.1	8270	01/14/05	01/21/05	00:08	SKC	MS-B1	10.3	305-100578	ND	
Naphthalene	None Detected	ug/L	20	3.0	8270	01/14/05	01/21/05	00:08	SKC	MS-B1	10.3	305-100578	ND	S09
2-Naphthylamine	None Detected	ug/L	200	8.5	8270	01/14/05	01/21/05	00:08	SKC	MS-B1	10.3	305-100578	ND	C02,V11
2-Nitroaniline	None Detected	ug/L	20	2.3	8270	01/14/05	01/21/05	00:08	SKC	MS-B1	10.3	305-100578	ND	
3-Nitroaniline	None Detected	ug/L	20	3.7	8270	01/14/05	01/21/05	00:08	SKC	MS-B1	10.3	305-100578	ND	
4-Nitroaniline	None Detected	ug/L	50	2.2	8270	01/14/05	01/21/05	00:08	SKC	MS-B1	10.3	305-100578	ND	
Nitrobenzene	None Detected	ug/L	20	2.6	8270	01/14/05	01/21/05	00:08	SKC	MS-B1	10.3	305-100578	ND	S09
N-Nitrosodimethylamine	None Detected	ug/L	20	1.5	8270	01/14/05	01/21/05	00:08	SKC	MS-B1	10.3	305-100578	ND	V11,S09
N-Nitrosodiphenylamine	None Detected	ug/L	20	2.5	8270	01/14/05	01/21/05	00:08	SKC	MS-B1	10.3	305-100578	ND	
N-Nitrosodi-N-propylamine	None Detected	ug/L	20	2.1	8270	01/14/05	01/21/05	00:08	SKC	MS-B1	10.3	305-100578	ND	S09
Phenanthrene	None Detected	ug/L	20	3.1	8270	01/14/05	01/21/05	00:08	SKC	MS-B1	10.3	305-100578	ND	
Pyrene	None Detected	ug/L	20	2.1	8270	01/14/05	01/21/05	00:08	SKC	MS-B1	10.3	305-100578	ND	
1,2,4-Trichlorobenzene	None Detected	ug/L	20	3.3	8270	01/14/05	01/21/05	00:08	SKC	MS-B1	10.3	305-100578	ND	S09
4-Chloro-3-methylphenol	None Detected	ug/L	50	2.6	8270	01/14/05	01/21/05	00:08	SKC	MS-B1	10.3	305-100578	ND	
2-Chlorophenol	None Detected	ug/L	20	2.3	8270	01/14/05	01/21/05	00:08	SKC	MS-B1	10.3	305-100578	ND	S09
2,4-Dichlorophenol	None Detected	ug/L	20	2.6	8270	01/14/05	01/21/05	00:08	SKC	MS-B1	10.3	305-100578	ND	S09
2,4-Dimethylphenol	None Detected	ug/L	20	5.3	8270	01/14/05	01/21/05	00:08	SKC	MS-B1	10.3	305-100578	ND	S09
2,4-Dinitrophenol	None Detected	ug/L	100	1.9	8270	01/14/05	01/21/05	00:08	SKC	MS-B1	10.3	305-100578	ND	
2-Methyl-4,6-dinitrophenol	None Detected	ug/L	100	1.9	8270	01/14/05	01/21/05	00:08	SKC	MS-B1	10.3	305-100578	ND	
2-Methylphenol	None Detected	ug/L	20	2.1	8270	01/14/05	01/21/05	00:08	SKC	MS-B1	10.3	305-100578	ND	S09
3- & 4-Methylphenol	None Detected	ug/L	20	4.6	8270	01/14/05	01/21/05	00:08	SKC	MS-B1	10.3	305-100578	ND	S09
2-Nitrophenol	None Detected	ug/L	20	2.5	8270	01/14/05	01/21/05	00:08	SKC	MS-B1	10.3	305-100578	ND	S09
4-Nitrophenol	None Detected	ug/L	20	0.78	8270	01/14/05	01/21/05	00:08	SKC	MS-B1	10.3	305-100578	ND	
Pentachlorophenol	None Detected	ug/L	100	3.1	8270	01/14/05	01/21/05	00:08	SKC	MS-B1	10.3	305-100578	ND	
Phenol	None Detected	ug/L	20	1.7	8270	01/14/05	01/21/05	00:08	SKC	MS-B1	10.3	305-100578	ND	S09
2,4,5-Trichlorophenol	None Detected	ug/L	50	2.1	8270	01/14/05	01/21/05	00:08	SKC	MS-B1	10.3	305-100578	ND	
2,4,6-Trichlorophenol	None Detected	ug/L	50	2.5	8270	01/14/05	01/21/05	00:08	SKC	MS-B1	10.3	305-100578	ND	

Surrogate Compounds	Result	Units	Control Limits	Method	Prep Date	Run Date	Run Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
2-Fluorophenol	86	%	29-90	8270	01/14/05	01/21/05	00:08	SKC	MS-B1	10.3	305-100578		
Phenol-d5	76	%	21-70	8270	01/14/05	01/21/05	00:08	SKC	MS-B1	10.3	305-100578		S09
Nitrobenzene-d5	40	%	57-121	8270	01/14/05	01/21/05	00:08	SKC	MS-B1	10.3	305-100578		S09

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Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270)

Sample Description	828830/02010000, AMERICAN CANYON LANDFILL, G-8, 01/12/2005 @ 08:10, PAUL WEINHARDT

Surrogate Compounds	Result	Units	Control Limits	Method	Prep Date	Run Date	Run Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
2-Fluorobiphenyl	112	%	50-115	8270	01/14/05	01/21/05	00:08	SKC	MS-B1	10.3	305-100578		
2,4,6-Tribromophenol	92	%	53-148	8270	01/14/05	01/21/05	00:08	SKC	MS-B1	10.3	305-100578		
p-Terphenyl-d14	100	%	31-135	8270	01/14/05	01/21/05	00:08	SKC	MS-B1	10.3	305-100578		

Flag	Explanations
C02	The relative standard deviation of the calibration curve response factors exceeds the control limit.
S09	The surrogate recovery on the sample for this compound was not within the control limits.
V11	The Continuing Calibration Verification (CCV) recovery is not within established control limits.

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Attn: JULIAN ISHAM

Water Analysis (General Chemistry)

COC Number	---	**Receive Date/Time**	01/13/2005 @ 08:20
Project Number	828830/02010000	**Sampling Date/Time**	01/11/2005 @ 11:28
Sampling Location	AMERICAN CANYON LANDFILL	**Sample Depth**	---
Sampling Point	G-10	**Sample Matrix**	Water
Sampled By	PAUL WEINHARDT	**BCL Sample ID**	05-00421-6

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date	Run Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Total Dissolved Solids @ 180 C	18800	mg/L	1000	500	EPA-160.1	01/17/05	01/17/05	12:00	MV1	MANUAL	100	284-102807	ND	

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Water Analysis (Metals)

COC Number	---	**Receive Date/Time**	01/13/2005 @ 08:20
Project Number	828830/02010000	**Sampling Date/Time**	01/11/2005 @ 11:28
Sampling Location	AMERICAN CANYON LANDFILL	**Sample Depth**	---
Sampling Point	G-10	**Sample Matrix**	Water
Sampled By	PAUL WEINHARDT	**BCL Sample ID**	05-00421-6

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date	Run Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Dissolved Arsenic	56	ug/L	20	7.7	EPA-200.8	01/16/05	01/29/05	02:09	MJP	PE-EL1	10	352-101744	ND	A01,Q03
Dissolved Cadmium	None Detected	ug/L	100	27	EPA-6010	01/16/05	01/19/05	13:43	ARD	PE-OP2	10	385-101744	ND	A01
Dissolved Chromium	None Detected	ug/L	100	4.0	EPA-6010	01/16/05	01/19/05	13:43	ARD	PE-OP2	10	385-101744	ND	A01
Dissolved Copper	None Detected	ug/L	100	4.1	EPA-6010	01/16/05	01/19/05	13:43	ARD	PE-OP2	10	385-101744	ND	A01
Dissolved Lead	None Detected	ug/L	10	0.27	EPA-200.8	01/16/05	01/29/05	02:09	MJP	PE-EL1	10	352-101744	ND	A01
Dissolved Nickel	30	ug/L	100	11	EPA-6010	01/16/05	01/19/05	13:43	ARD	PE-OP2	10	385-101744	ND	A01,R01

Flag	Explanations
A01	PQL's and MDL's are raised due to sample dilution.
Q03	Matrix spike recovery is not within the control limits.
R01	The sample result is between the MDL and PQL.

Comments

Sample was filtered thru 0.45 u filter and acidified prior to metal analysis.

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Volatile Organic Analysis (EPA Method 8260)

COC Number	---	**Receive Date/Time**	01/13/2005 @ 08:20
Project Number	828830/02010000	**Sampling Date/Time**	01/11/2005 @ 11:28
Sampling Location	AMERICAN CANYON LANDFILL	**Sample Depth**	---
Sampling Point	G-10	**Sample Matrix**	Water
Sampled By	PAUL WEINHARDT	**BCL Sample ID**	05-00421-6

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date	Run Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Benzene	None Detected	ug/L	0.5	0.12	8260	01/15/05	01/15/05	08:10	SVM	MS-V6	1	323-100579	ND	S09
Bromobenzene	None Detected	ug/L	0.5	0.12	8260	01/15/05	01/15/05	08:10	SVM	MS-V6	1	323-100579	ND	
Bromochloromethane	None Detected	ug/L	0.5	0.13	8260	01/15/05	01/15/05	08:10	SVM	MS-V6	1	323-100579	ND	
Bromodichloromethane	None Detected	ug/L	0.5	0.12	8260	01/15/05	01/15/05	08:10	SVM	MS-V6	1	323-100579	ND	S09
Bromoform	None Detected	ug/L	0.5	0.33	8260	01/15/05	01/15/05	08:10	SVM	MS-V6	1	323-100579	ND	
Bromomethane	None Detected	ug/L	1	0.21	8260	01/15/05	01/15/05	08:10	SVM	MS-V6	1	323-100579	ND	S09
n-Butylbenzene	None Detected	ug/L	0.5	0.13	8260	01/15/05	01/15/05	08:10	SVM	MS-V6	1	323-100579	ND	
sec-Butylbenzene	None Detected	ug/L	0.5	0.11	8260	01/15/05	01/15/05	08:10	SVM	MS-V6	1	323-100579	ND	
tert-Butylbenzene	None Detected	ug/L	0.5	0.11	8260	01/15/05	01/15/05	08:10	SVM	MS-V6	1	323-100579	ND	
Carbon tetrachloride	None Detected	ug/L	0.5	0.15	8260	01/15/05	01/15/05	08:10	SVM	MS-V6	1	323-100579	ND	S09
Chlorobenzene	None Detected	ug/L	0.5	0.12	8260	01/15/05	01/15/05	08:10	SVM	MS-V6	1	323-100579	ND	
Chloroethane	None Detected	ug/L	0.5	0.17	8260	01/15/05	01/15/05	08:10	SVM	MS-V6	1	323-100579	ND	S09
Chloroform	None Detected	ug/L	0.5	0.11	8260	01/15/05	01/15/05	08:10	SVM	MS-V6	1	323-100579	ND	S09
Chloromethane	None Detected	ug/L	0.5	0.17	8260	01/15/05	01/15/05	08:10	SVM	MS-V6	1	323-100579	ND	S09
2-Chlorotoluene	None Detected	ug/L	0.5	0.17	8260	01/15/05	01/15/05	08:10	SVM	MS-V6	1	323-100579	ND	
4-Chlorotoluene	None Detected	ug/L	0.5	0.13	8260	01/15/05	01/15/05	08:10	SVM	MS-V6	1	323-100579	ND	
Dibromochloromethane	None Detected	ug/L	0.5	0.11	8260	01/15/05	01/15/05	08:10	SVM	MS-V6	1	323-100579	ND	
1,2-Dibromo-3-chloropropane	None Detected	ug/L	1	0.69	8260	01/15/05	01/15/05	08:10	SVM	MS-V6	1	323-100579	ND	
1,2-Dibromoethane	None Detected	ug/L	0.5	0.083	8260	01/15/05	01/15/05	08:10	SVM	MS-V6	1	323-100579	ND	
Dibromomethane	None Detected	ug/L	0.5	0.14	8260	01/15/05	01/15/05	08:10	SVM	MS-V6	1	323-100579	ND	S09
1,2-Dichlorobenzene	None Detected	ug/L	0.5	0.077	8260	01/15/05	01/15/05	08:10	SVM	MS-V6	1	323-100579	ND	
1,3-Dichlorobenzene	None Detected	ug/L	0.5	0.14	8260	01/15/05	01/15/05	08:10	SVM	MS-V6	1	323-100579	ND	
1,4-Dichlorobenzene	None Detected	ug/L	0.5	0.14	8260	01/15/05	01/15/05	08:10	SVM	MS-V6	1	323-100579	ND	

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Volatile Organic Analysis (EPA Method 8260)

Sample Description	828830/02010000, AMERICAN CANYON LANDFILL, G-10, 01/11/2005 @ 11:28, PAUL WEINHARDT

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date	Run Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Dichlorodifluoromethane	None Detected	ug/L	0.5	0.20	8260	01/15/05	01/15/05	08:10	SVM	MS-V6	1	323-100579	ND	S09
1,1-Dichloroethane	None Detected	ug/L	0.5	0.13	8260	01/15/05	01/15/05	08:10	SVM	MS-V6	1	323-100579	ND	S09
1,2-Dichloroethane	None Detected	ug/L	0.5	0.25	8260	01/15/05	01/15/05	08:10	SVM	MS-V6	1	323-100579	ND	S09
1,1-Dichloroethene	None Detected	ug/L	0.5	0.11	8260	01/15/05	01/15/05	08:10	SVM	MS-V6	1	323-100579	ND	S09
cis-1,2-Dichloroethene	None Detected	ug/L	0.5	0.19	8260	01/15/05	01/15/05	08:10	SVM	MS-V6	1	323-100579	ND	S09
trans-1,2-Dichloroethene	None Detected	ug/L	0.5	0.19	8260	01/15/05	01/15/05	08:10	SVM	MS-V6	1	323-100579	ND	S09
1,2-Dichloropropane	None Detected	ug/L	0.5	0.16	8260	01/15/05	01/15/05	08:10	SVM	MS-V6	1	323-100579	ND	S09
1,3-Dichloropropane	None Detected	ug/L	0.5	0.18	8260	01/15/05	01/15/05	08:10	SVM	MS-V6	1	323-100579	ND	
2,2-Dichloropropane	None Detected	ug/L	0.5	0.14	8260	01/15/05	01/15/05	08:10	SVM	MS-V6	1	323-100579	ND	S09
1,1-Dichloropropene	None Detected	ug/L	0.5	0.18	8260	01/15/05	01/15/05	08:10	SVM	MS-V6	1	323-100579	ND	S09
cis-1,3-Dichloropropene	None Detected	ug/L	0.5	0.13	8260	01/15/05	01/15/05	08:10	SVM	MS-V6	1	323-100579	ND	
trans-1,3-Dichloropropene	None Detected	ug/L	0.5	0.14	8260	01/15/05	01/15/05	08:10	SVM	MS-V6	1	323-100579	ND	
Ethylbenzene	None Detected	ug/L	0.5	0.12	8260	01/15/05	01/15/05	08:10	SVM	MS-V6	1	323-100579	ND	
Hexachlorobutadiene	None Detected	ug/L	0.5	0.23	8260	01/15/05	01/15/05	08:10	SVM	MS-V6	1	323-100579	ND	
Isopropylbenzene	None Detected	ug/L	0.5	0.14	8260	01/15/05	01/15/05	08:10	SVM	MS-V6	1	323-100579	ND	
p-Isopropyltoluene	None Detected	ug/L	0.5	0.11	8260	01/15/05	01/15/05	08:10	SVM	MS-V6	1	323-100579	ND	
Methylene chloride	None Detected	ug/L	1	0.43	8260	01/15/05	01/15/05	08:10	SVM	MS-V6	1	323-100579	ND	S09
Naphthalene	None Detected	ug/L	0.5	0.093	8260	01/15/05	01/15/05	08:10	SVM	MS-V6	1	323-100579	ND	
n-Propylbenzene	None Detected	ug/L	0.5	0.13	8260	01/15/05	01/15/05	08:10	SVM	MS-V6	1	323-100579	ND	
Styrene	None Detected	ug/L	0.5	0.16	8260	01/15/05	01/15/05	08:10	SVM	MS-V6	1	323-100579	ND	
1,1,1,2-Tetrachloroethane	None Detected	ug/L	0.5	0.12	8260	01/15/05	01/15/05	08:10	SVM	MS-V6	1	323-100579	ND	
1,1,2,2-Tetrachloroethane	None Detected	ug/L	0.5	0.23	8260	01/15/05	01/15/05	08:10	SVM	MS-V6	1	323-100579	ND	
Tetrachloroethene	None Detected	ug/L	0.5	0.15	8260	01/15/05	01/15/05	08:10	SVM	MS-V6	1	323-100579	ND	
Toluene	None Detected	ug/L	0.5	0.15	8260	01/15/05	01/15/05	08:10	SVM	MS-V6	1	323-100579	ND	
1,2,3-Trichlorobenzene	None Detected	ug/L	0.5	0.14	8260	01/15/05	01/15/05	08:10	SVM	MS-V6	1	323-100579	ND	
1,2,4-Trichlorobenzene	None Detected	ug/L	0.5	0.060	8260	01/15/05	01/15/05	08:10	SVM	MS-V6	1	323-100579	ND	
1,1,1-Trichloroethane	None Detected	ug/L	0.5	0.16	8260	01/15/05	01/15/05	08:10	SVM	MS-V6	1	323-100579	ND	S09
1,1,2-Trichloroethane	None Detected	ug/L	0.5	0.099	8260	01/15/05	01/15/05	08:10	SVM	MS-V6	1	323-100579	ND	
Trichloroethene	None Detected	ug/L	0.5	0.18	8260	01/15/05	01/15/05	08:10	SVM	MS-V6	1	323-100579	ND	S09
Trichlorofluoromethane	None Detected	ug/L	0.5	0.20	8260	01/15/05	01/15/05	08:10	SVM	MS-V6	1	323-100579	ND	S09
1,2,3-Trichloropropane	None Detected	ug/L	1	0.40	8260	01/15/05	01/15/05	08:10	SVM	MS-V6	1	323-100579	ND	
1,1,2-Trichloro-1,2,2-trifluoroethane	None Detected	ug/L	0.5	0.18	8260	01/15/05	01/15/05	08:10	SVM	MS-V6	1	323-100579	ND	S09
1,2,4-Trimethylbenzene	None Detected	ug/L	0.5	0.11	8260	01/15/05	01/15/05	08:10	SVM	MS-V6	1	323-100579	ND	
1,3,5-Trimethylbenzene	None Detected	ug/L	0.5	0.11	8260	01/15/05	01/15/05	08:10	SVM	MS-V6	1	323-100579	ND	

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Volatile Organic Analysis (EPA Method 8260)

Sample Description	828830/02010000, AMERICAN CANYON LANDFILL, G-10, 01/11/2005 @ 11:28, PAUL WEINHARDT

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date	Run Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Vinyl chloride	None Detected	ug/L	0.5	0.16	8260	01/15/05	01/15/05	08:10	SVM	MS-V6	1	323-100579	ND	S09
Total Xylenes	None Detected	ug/L	1	0.36	8260	01/15/05	01/15/05	08:10	SVM	MS-V6	1	323-100579	ND	
Methyl t-butyl ether	None Detected	ug/L	0.5	0.12	8260	01/15/05	01/15/05	08:10	SVM	MS-V6	1	323-100579	ND	S09

Surrogate Compounds	Result	Units	Control Limits	Method	Prep Date	Run Date	Run Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
1,2-Dichloroethane-d4	136	%	76-114	8260	01/15/05	01/15/05	08:10	SVM	MS-V6	1	323-100579		S09
Toluene-d8	103	%	88-110	8260	01/15/05	01/15/05	08:10	SVM	MS-V6	1	323-100579		
4-Bromofluorobenzene	98	%	86-115	8260	01/15/05	01/15/05	08:10	SVM	MS-V6	1	323-100579		

Flag	Explanations
S09	The surrogate recovery on the sample for this compound was not within the control limits.

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Attn: JULIAN ISHAM

Water Analysis (General Chemistry)

COC Number	---	**Receive Date/Time**	01/13/2005 @ 08:20
Project Number	828830/02010000	**Sampling Date/Time**	01/11/2005 @ 11:06
Sampling Location	AMERICAN CANYON LANDFILL	**Sample Depth**	---
Sampling Point	GW-4	**Sample Matrix**	Water
Sampled By	PAUL WEINHARDT	**BCL Sample ID**	05-00421-7

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date	Run Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Total Dissolved Solids @ 180 C	17600	mg/L	1000	500	EPA-160.1	01/17/05	01/17/05	12:00	MV1	MANUAL	100	284-102807	ND	

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Attn: JULIAN ISHAM

Water Analysis (Metals)

COC Number	---	**Receive Date/Time**	01/13/2005 @ 08:20
Project Number	828830/02010000	**Sampling Date/Time**	01/11/2005 @ 11:06
Sampling Location	AMERICAN CANYON LANDFILL	**Sample Depth**	---
Sampling Point	GW-4	**Sample Matrix**	Water
Sampled By	PAUL WEINHARDT	**BCL Sample ID**	05-00421-7

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date	Run Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Dissolved Arsenic	58	ug/L	10	3.9	EPA-200.8	01/16/05	01/29/05	02:14	MJP	PE-EL1	5	352-101744	ND	A01,Q03
Dissolved Cadmium	None Detected	ug/L	100	27	EPA-6010	01/16/05	01/19/05	13:49	ARD	PE-OP2	10	385-101744	ND	A01
Dissolved Chromium	None Detected	ug/L	100	4.0	EPA-6010	01/16/05	01/19/05	13:49	ARD	PE-OP2	10	385-101744	ND	A01
Dissolved Copper	None Detected	ug/L	100	4.1	EPA-6010	01/16/05	01/19/05	13:49	ARD	PE-OP2	10	385-101744	ND	A01
Dissolved Lead	None Detected	ug/L	5	0.14	EPA-200.8	01/16/05	01/29/05	02:14	MJP	PE-EL1	5	352-101744	ND	A01
Dissolved Nickel	None Detected	ug/L	100	11	EPA-6010	01/16/05	01/19/05	13:49	ARD	PE-OP2	10	385-101744	ND	A01

Flag	Explanations
A01	PQL's and MDL's are raised due to sample dilution.
Q03	Matrix spike recovery is not within the control limits.

Comments

Sample was filtered thru 0.45 u filter and acidified prior to metal analysis.

California DOHS Certification #1186

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Attn: JULIAN ISHAM

Volatile Organic Analysis (EPA Method 8260)

COC Number	---	**Receive Date/Time**	01/13/2005 @ 08:20
Project Number	828830/02010000	**Sampling Date/Time**	01/11/2005 @ 11:06
Sampling Location	AMERICAN CANYON LANDFILL	**Sample Depth**	---
Sampling Point	GW-4	**Sample Matrix**	Water
Sampled By	PAUL WEINHARDT	**BCL Sample ID**	05-00421-7

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date	Run Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Benzene	None Detected	ug/L	0.5	0.12	8260	01/15/05	01/15/05	09:09	SVM	MS-V6	1	323-100579	ND	S09
Bromobenzene	None Detected	ug/L	0.5	0.12	8260	01/15/05	01/15/05	09:09	SVM	MS-V6	1	323-100579	ND	
Bromochloromethane	None Detected	ug/L	0.5	0.13	8260	01/15/05	01/15/05	09:09	SVM	MS-V6	1	323-100579	ND	
Bromodichloromethane	None Detected	ug/L	0.5	0.12	8260	01/15/05	01/15/05	09:09	SVM	MS-V6	1	323-100579	ND	S09
Bromoform	None Detected	ug/L	0.5	0.33	8260	01/15/05	01/15/05	09:09	SVM	MS-V6	1	323-100579	ND	
Bromomethane	None Detected	ug/L	1	0.21	8260	01/15/05	01/15/05	09:09	SVM	MS-V6	1	323-100579	ND	S09
n-Butylbenzene	None Detected	ug/L	0.5	0.13	8260	01/15/05	01/15/05	09:09	SVM	MS-V6	1	323-100579	ND	
sec-Butylbenzene	None Detected	ug/L	0.5	0.11	8260	01/15/05	01/15/05	09:09	SVM	MS-V6	1	323-100579	ND	
tert-Butylbenzene	None Detected	ug/L	0.5	0.11	8260	01/15/05	01/15/05	09:09	SVM	MS-V6	1	323-100579	ND	
Carbon tetrachloride	None Detected	ug/L	0.5	0.15	8260	01/15/05	01/15/05	09:09	SVM	MS-V6	1	323-100579	ND	S09
Chlorobenzene	None Detected	ug/L	0.5	0.12	8260	01/15/05	01/15/05	09:09	SVM	MS-V6	1	323-100579	ND	
Chloroethane	None Detected	ug/L	0.5	0.17	8260	01/15/05	01/15/05	09:09	SVM	MS-V6	1	323-100579	ND	S09
Chloroform	None Detected	ug/L	0.5	0.11	8260	01/15/05	01/15/05	09:09	SVM	MS-V6	1	323-100579	ND	S09
Chloromethane	None Detected	ug/L	0.5	0.17	8260	01/15/05	01/15/05	09:09	SVM	MS-V6	1	323-100579	ND	S09
2-Chlorotoluene	None Detected	ug/L	0.5	0.17	8260	01/15/05	01/15/05	09:09	SVM	MS-V6	1	323-100579	ND	
4-Chlorotoluene	None Detected	ug/L	0.5	0.13	8260	01/15/05	01/15/05	09:09	SVM	MS-V6	1	323-100579	ND	
Dibromochloromethane	None Detected	ug/L	0.5	0.11	8260	01/15/05	01/15/05	09:09	SVM	MS-V6	1	323-100579	ND	
1,2-Dibromo-3-chloropropane	None Detected	ug/L	1	0.69	8260	01/15/05	01/15/05	09:09	SVM	MS-V6	1	323-100579	ND	
1,2-Dibromoethane	None Detected	ug/L	0.5	0.083	8260	01/15/05	01/15/05	09:09	SVM	MS-V6	1	323-100579	ND	
Dibromomethane	None Detected	ug/L	0.5	0.14	8260	01/15/05	01/15/05	09:09	SVM	MS-V6	1	323-100579	ND	S09
1,2-Dichlorobenzene	None Detected	ug/L	0.5	0.077	8260	01/15/05	01/15/05	09:09	SVM	MS-V6	1	323-100579	ND	
1,3-Dichlorobenzene	None Detected	ug/L	0.5	0.14	8260	01/15/05	01/15/05	09:09	SVM	MS-V6	1	323-100579	ND	
1,4-Dichlorobenzene	None Detected	ug/L	0.5	0.14	8260	01/15/05	01/15/05	09:09	SVM	MS-V6	1	323-100579	ND	

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Volatile Organic Analysis (EPA Method 8260)

Sample Description	828830/02010000, AMERICAN CANYON LANDFILL, GW-4, 01/11/2005 @ 11:06, PAUL WEINHARDT

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date	Run Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Dichlorodifluoromethane	None Detected	ug/L	0.5	0.20	8260	01/15/05	01/15/05	09:09	SVM	MS-V6	1	323-100579	ND	S09
1,1-Dichloroethane	None Detected	ug/L	0.5	0.13	8260	01/15/05	01/15/05	09:09	SVM	MS-V6	1	323-100579	ND	S09
1,2-Dichloroethane	None Detected	ug/L	0.5	0.25	8260	01/15/05	01/15/05	09:09	SVM	MS-V6	1	323-100579	ND	S09
1,1-Dichloroethene	None Detected	ug/L	0.5	0.11	8260	01/15/05	01/15/05	09:09	SVM	MS-V6	1	323-100579	ND	S09
cis-1,2-Dichloroethene	None Detected	ug/L	0.5	0.19	8260	01/15/05	01/15/05	09:09	SVM	MS-V6	1	323-100579	ND	S09
trans-1,2-Dichloroethene	None Detected	ug/L	0.5	0.19	8260	01/15/05	01/15/05	09:09	SVM	MS-V6	1	323-100579	ND	S09
1,2-Dichloropropane	None Detected	ug/L	0.5	0.16	8260	01/15/05	01/15/05	09:09	SVM	MS-V6	1	323-100579	ND	S09
1,3-Dichloropropane	None Detected	ug/L	0.5	0.18	8260	01/15/05	01/15/05	09:09	SVM	MS-V6	1	323-100579	ND	
2,2-Dichloropropane	None Detected	ug/L	0.5	0.14	8260	01/15/05	01/15/05	09:09	SVM	MS-V6	1	323-100579	ND	S09
1,1-Dichloropropene	None Detected	ug/L	0.5	0.18	8260	01/15/05	01/15/05	09:09	SVM	MS-V6	1	323-100579	ND	S09
cis-1,3-Dichloropropene	None Detected	ug/L	0.5	0.13	8260	01/15/05	01/15/05	09:09	SVM	MS-V6	1	323-100579	ND	
trans-1,3-Dichloropropene	None Detected	ug/L	0.5	0.14	8260	01/15/05	01/15/05	09:09	SVM	MS-V6	1	323-100579	ND	
Ethylbenzene	None Detected	ug/L	0.5	0.12	8260	01/15/05	01/15/05	09:09	SVM	MS-V6	1	323-100579	ND	
Hexachlorobutadiene	None Detected	ug/L	0.5	0.23	8260	01/15/05	01/15/05	09:09	SVM	MS-V6	1	323-100579	ND	
Isopropylbenzene	None Detected	ug/L	0.5	0.14	8260	01/15/05	01/15/05	09:09	SVM	MS-V6	1	323-100579	ND	
p-Isopropyltoluene	None Detected	ug/L	0.5	0.11	8260	01/15/05	01/15/05	09:09	SVM	MS-V6	1	323-100579	ND	
Methylene chloride	None Detected	ug/L	1	0.43	8260	01/15/05	01/15/05	09:09	SVM	MS-V6	1	323-100579	ND	S09
Naphthalene	None Detected	ug/L	0.5	0.093	8260	01/15/05	01/15/05	09:09	SVM	MS-V6	1	323-100579	ND	
n-Propylbenzene	None Detected	ug/L	0.5	0.13	8260	01/15/05	01/15/05	09:09	SVM	MS-V6	1	323-100579	ND	
Styrene	None Detected	ug/L	0.5	0.16	8260	01/15/05	01/15/05	09:09	SVM	MS-V6	1	323-100579	ND	
1,1,1,2-Tetrachloroethane	None Detected	ug/L	0.5	0.12	8260	01/15/05	01/15/05	09:09	SVM	MS-V6	1	323-100579	ND	
1,1,2,2-Tetrachloroethane	None Detected	ug/L	0.5	0.23	8260	01/15/05	01/15/05	09:09	SVM	MS-V6	1	323-100579	ND	
Tetrachloroethene	None Detected	ug/L	0.5	0.15	8260	01/15/05	01/15/05	09:09	SVM	MS-V6	1	323-100579	ND	
Toluene	None Detected	ug/L	0.5	0.15	8260	01/15/05	01/15/05	09:09	SVM	MS-V6	1	323-100579	ND	
1,2,3-Trichlorobenzene	None Detected	ug/L	0.5	0.14	8260	01/15/05	01/15/05	09:09	SVM	MS-V6	1	323-100579	ND	
1,2,4-Trichlorobenzene	None Detected	ug/L	0.5	0.060	8260	01/15/05	01/15/05	09:09	SVM	MS-V6	1	323-100579	ND	
1,1,1-Trichloroethane	None Detected	ug/L	0.5	0.16	8260	01/15/05	01/15/05	09:09	SVM	MS-V6	1	323-100579	ND	S09
1,1,2-Trichloroethane	None Detected	ug/L	0.5	0.099	8260	01/15/05	01/15/05	09:09	SVM	MS-V6	1	323-100579	ND	
Trichloroethene	None Detected	ug/L	0.5	0.18	8260	01/15/05	01/15/05	09:09	SVM	MS-V6	1	323-100579	ND	S09
Trichlorofluoromethane	None Detected	ug/L	0.5	0.20	8260	01/15/05	01/15/05	09:09	SVM	MS-V6	1	323-100579	ND	S09
1,2,3-Trichloropropane	None Detected	ug/L	1	0.40	8260	01/15/05	01/15/05	09:09	SVM	MS-V6	1	323-100579	ND	
1,1,2-Trichloro-1,2,2-trifluoroethane	None Detected	ug/L	0.5	0.18	8260	01/15/05	01/15/05	09:09	SVM	MS-V6	1	323-100579	ND	S09
1,2,4-Trimethylbenzene	None Detected	ug/L	0.5	0.11	8260	01/15/05	01/15/05	09:09	SVM	MS-V6	1	323-100579	ND	
1,3,5-Trimethylbenzene	None Detected	ug/L	0.5	0.11	8260	01/15/05	01/15/05	09:09	SVM	MS-V6	1	323-100579	ND	

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Volatile Organic Analysis (EPA Method 8260)

Sample Description	828830/02010000, AMERICAN CANYON LANDFILL, GW-4, 01/11/2005 @ 11:06, PAUL WEINHARDT

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date	Run Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Vinyl chloride	None Detected	ug/L	0.5	0.16	8260	01/15/05	01/15/05	09:09	SVM	MS-V6	1	323-100579	ND	S09
Total Xylenes	None Detected	ug/L	1	0.36	8260	01/15/05	01/15/05	09:09	SVM	MS-V6	1	323-100579	ND	
Methyl t-butyl ether	None Detected	ug/L	0.5	0.12	8260	01/15/05	01/15/05	09:09	SVM	MS-V6	1	323-100579	ND	S09

Surrogate Compounds	Result	Units	Control Limits	Method	Prep Date	Run Date	Run Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
1,2-Dichloroethane-d4	126	%	76-114	8260	01/15/05	01/15/05	09:09	SVM	MS-V6	1	323-100579		S09
Toluene-d8	100	%	88-110	8260	01/15/05	01/15/05	09:09	SVM	MS-V6	1	323-100579		
4-Bromofluorobenzene	98	%	86-115	8260	01/15/05	01/15/05	09:09	SVM	MS-V6	1	323-100579		

Flag	Explanations
S09	The surrogate recovery on the sample for this compound was not within the control limits.

California DOHS Certification #1186

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SHAW ENVIRONMENTAL & INFRASTRUCTURE, INC.
1326 NORTH MARKET BOULEVARD
SACRAMENTO, CA 95834
Attn: JULIAN ISHAM

Water Analysis (General Chemistry)

COC Number	---	**Receive Date/Time**	01/13/2005 @ 08:20
Project Number	828830/02010000	**Sampling Date/Time**	01/11/2005 @ 08:57
Sampling Location	AMERICAN CANYON LANDFILL	**Sample Depth**	---
Sampling Point	GW-6	**Sample Matrix**	Water
Sampled By	PAUL WEINHARDT	**BCL Sample ID**	05-00421-8

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date	Run Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Total Dissolved Solids @ 180 C	15300	mg/L	1000	500	EPA-160.1	01/17/05	01/17/05	12:00	MV1	MANUAL	100	284-102807	ND	

California DOHS Certification #1186

BC Laboratories, Inc

SHAW ENVIRONMENTAL & INFRASTRUCTURE, INC.
1326 NORTH MARKET BOULEVARD
SACRAMENTO, CA 95834
Attn: JULIAN ISHAM

Water Analysis (Metals)

COC Number	---	**Receive Date/Time**	01/13/2005 @ 08:20
Project Number	828830/02010000	**Sampling Date/Time**	01/11/2005 @ 08:57
Sampling Location	AMERICAN CANYON LANDFILL	**Sample Depth**	---
Sampling Point	GW-6	**Sample Matrix**	Water
Sampled By	PAUL WEINHARDT	**BCL Sample ID**	05-00421-8

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date	Run Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Dissolved Arsenic	50	ug/L	10	3.9	EPA-200.8	01/16/05	01/29/05	02:20	MJP	PE-EL1	5	352-101744	ND	A01,Q03
Dissolved Cadmium	None Detected	ug/L	100	27	EPA-6010	01/16/05	01/19/05	13:56	ARD	PE-OP2	10	385-101744	ND	A01
Dissolved Chromium	None Detected	ug/L	100	4.0	EPA-6010	01/16/05	01/19/05	13:56	ARD	PE-OP2	10	385-101744	ND	A01
Dissolved Copper	10	ug/L	100	4.1	EPA-6010	01/16/05	01/19/05	13:56	ARD	PE-OP2	10	385-101744	ND	A01,R01
Dissolved Lead	None Detected	ug/L	5	0.14	EPA-200.8	01/16/05	01/29/05	02:20	MJP	PE-EL1	5	352-101744	ND	A01
Dissolved Nickel	30	ug/L	100	11	EPA-6010	01/16/05	01/19/05	13:56	ARD	PE-OP2	10	385-101744	ND	A01,R01

Flag	Explanations
A01	PQL's and MDL's are raised due to sample dilution.
Q03	Matrix spike recovery is not within the control limits.
R01	The sample result is between the MDL and PQL.

Comments

Sample was filtered thru 0.45 u filter and acidified prior to metal analysis.

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1326 NORTH MARKET BOULEVARD
SACRAMENTO, CA 95834
Attn: JULIAN ISHAM

Volatile Organic Analysis (EPA Method 8260)

COC Number	---	**Receive Date/Time**	01/13/2005 @ 08:20
Project Number	828830/02010000	**Sampling Date/Time**	01/11/2005 @ 08:57
Sampling Location	AMERICAN CANYON LANDFILL	**Sample Depth**	---
Sampling Point	GW-6	**Sample Matrix**	Water
Sampled By	PAUL WEINHARDT	**BCL Sample ID**	05-00421-8

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date	Run Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Benzene	None Detected	ug/L	0.5	0.12	8260	01/15/05	01/15/05	10:10	SVM	MS-V6	1	323-100579	ND	S09
Bromobenzene	None Detected	ug/L	0.5	0.12	8260	01/15/05	01/15/05	10:10	SVM	MS-V6	1	323-100579	ND	
Bromochloromethane	None Detected	ug/L	0.5	0.13	8260	01/15/05	01/15/05	10:10	SVM	MS-V6	1	323-100579	ND	
Bromodichloromethane	None Detected	ug/L	0.5	0.12	8260	01/15/05	01/15/05	10:10	SVM	MS-V6	1	323-100579	ND	S09
Bromoform	None Detected	ug/L	0.5	0.33	8260	01/15/05	01/15/05	10:10	SVM	MS-V6	1	323-100579	ND	
Bromomethane	None Detected	ug/L	1	0.21	8260	01/15/05	01/15/05	10:10	SVM	MS-V6	1	323-100579	ND	S09
n-Butylbenzene	None Detected	ug/L	0.5	0.13	8260	01/15/05	01/15/05	10:10	SVM	MS-V6	1	323-100579	ND	
sec-Butylbenzene	None Detected	ug/L	0.5	0.11	8260	01/15/05	01/15/05	10:10	SVM	MS-V6	1	323-100579	ND	
tert-Butylbenzene	None Detected	ug/L	0.5	0.11	8260	01/15/05	01/15/05	10:10	SVM	MS-V6	1	323-100579	ND	
Carbon tetrachloride	None Detected	ug/L	0.5	0.15	8260	01/15/05	01/15/05	10:10	SVM	MS-V6	1	323-100579	ND	S09
Chlorobenzene	None Detected	ug/L	0.5	0.12	8260	01/15/05	01/15/05	10:10	SVM	MS-V6	1	323-100579	ND	
Chloroethane	None Detected	ug/L	0.5	0.17	8260	01/15/05	01/15/05	10:10	SVM	MS-V6	1	323-100579	ND	S09
Chloroform	None Detected	ug/L	0.5	0.11	8260	01/15/05	01/15/05	10:10	SVM	MS-V6	1	323-100579	ND	S09
Chloromethane	None Detected	ug/L	0.5	0.17	8260	01/15/05	01/15/05	10:10	SVM	MS-V6	1	323-100579	ND	S09
2-Chlorotoluene	None Detected	ug/L	0.5	0.17	8260	01/15/05	01/15/05	10:10	SVM	MS-V6	1	323-100579	ND	
4-Chlorotoluene	None Detected	ug/L	0.5	0.13	8260	01/15/05	01/15/05	10:10	SVM	MS-V6	1	323-100579	ND	
Dibromochloromethane	None Detected	ug/L	0.5	0.11	8260	01/15/05	01/15/05	10:10	SVM	MS-V6	1	323-100579	ND	
1,2-Dibromo-3-chloropropane	None Detected	ug/L	1	0.69	8260	01/15/05	01/15/05	10:10	SVM	MS-V6	1	323-100579	ND	
1,2-Dibromoethane	None Detected	ug/L	0.5	0.083	8260	01/15/05	01/15/05	10:10	SVM	MS-V6	1	323-100579	ND	
Dibromomethane	None Detected	ug/L	0.5	0.14	8260	01/15/05	01/15/05	10:10	SVM	MS-V6	1	323-100579	ND	S09
1,2-Dichlorobenzene	None Detected	ug/L	0.5	0.077	8260	01/15/05	01/15/05	10:10	SVM	MS-V6	1	323-100579	ND	
1,3-Dichlorobenzene	None Detected	ug/L	0.5	0.14	8260	01/15/05	01/15/05	10:10	SVM	MS-V6	1	323-100579	ND	
1,4-Dichlorobenzene	None Detected	ug/L	0.5	0.14	8260	01/15/05	01/15/05	10:10	SVM	MS-V6	1	323-100579	ND	

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Volatile Organic Analysis (EPA Method 8260)

Sample Description	828830/02010000, AMERICAN CANYON LANDFILL, GW-6, 01/11/2005 @ 08:57, PAUL WEINHARDT

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date	Run Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Dichlorodifluoromethane	None Detected	ug/L	0.5	0.20	8260	01/15/05	01/15/05	10:10	SVM	MS-V6	1	323-100579	ND	S09
1,1-Dichloroethane	None Detected	ug/L	0.5	0.13	8260	01/15/05	01/15/05	10:10	SVM	MS-V6	1	323-100579	ND	S09
1,2-Dichloroethane	None Detected	ug/L	0.5	0.25	8260	01/15/05	01/15/05	10:10	SVM	MS-V6	1	323-100579	ND	S09
1,1-Dichloroethene	None Detected	ug/L	0.5	0.11	8260	01/15/05	01/15/05	10:10	SVM	MS-V6	1	323-100579	ND	S09
cis-1,2-Dichloroethene	None Detected	ug/L	0.5	0.19	8260	01/15/05	01/15/05	10:10	SVM	MS-V6	1	323-100579	ND	S09
trans-1,2-Dichloroethene	None Detected	ug/L	0.5	0.19	8260	01/15/05	01/15/05	10:10	SVM	MS-V6	1	323-100579	ND	S09
1,2-Dichloropropane	None Detected	ug/L	0.5	0.16	8260	01/15/05	01/15/05	10:10	SVM	MS-V6	1	323-100579	ND	S09
1,3-Dichloropropane	None Detected	ug/L	0.5	0.18	8260	01/15/05	01/15/05	10:10	SVM	MS-V6	1	323-100579	ND	
2,2-Dichloropropane	None Detected	ug/L	0.5	0.14	8260	01/15/05	01/15/05	10:10	SVM	MS-V6	1	323-100579	ND	S09
1,1-Dichloropropene	None Detected	ug/L	0.5	0.18	8260	01/15/05	01/15/05	10:10	SVM	MS-V6	1	323-100579	ND	S09
cis-1,3-Dichloropropene	None Detected	ug/L	0.5	0.13	8260	01/15/05	01/15/05	10:10	SVM	MS-V6	1	323-100579	ND	
trans-1,3-Dichloropropene	None Detected	ug/L	0.5	0.14	8260	01/15/05	01/15/05	10:10	SVM	MS-V6	1	323-100579	ND	
Ethylbenzene	None Detected	ug/L	0.5	0.12	8260	01/15/05	01/15/05	10:10	SVM	MS-V6	1	323-100579	ND	
Hexachlorobutadiene	None Detected	ug/L	0.5	0.23	8260	01/15/05	01/15/05	10:10	SVM	MS-V6	1	323-100579	ND	
Isopropylbenzene	None Detected	ug/L	0.5	0.14	8260	01/15/05	01/15/05	10:10	SVM	MS-V6	1	323-100579	ND	
p-Isopropyltoluene	None Detected	ug/L	0.5	0.11	8260	01/15/05	01/15/05	10:10	SVM	MS-V6	1	323-100579	ND	
Methylene chloride	None Detected	ug/L	1	0.43	8260	01/15/05	01/15/05	10:10	SVM	MS-V6	1	323-100579	ND	S09
Naphthalene	None Detected	ug/L	0.5	0.093	8260	01/15/05	01/15/05	10:10	SVM	MS-V6	1	323-100579	ND	
n-Propylbenzene	None Detected	ug/L	0.5	0.13	8260	01/15/05	01/15/05	10:10	SVM	MS-V6	1	323-100579	ND	
Styrene	None Detected	ug/L	0.5	0.16	8260	01/15/05	01/15/05	10:10	SVM	MS-V6	1	323-100579	ND	
1,1,1,2-Tetrachloroethane	None Detected	ug/L	0.5	0.12	8260	01/15/05	01/15/05	10:10	SVM	MS-V6	1	323-100579	ND	
1,1,2,2-Tetrachloroethane	None Detected	ug/L	0.5	0.23	8260	01/15/05	01/15/05	10:10	SVM	MS-V6	1	323-100579	ND	
Tetrachloroethene	None Detected	ug/L	0.5	0.15	8260	01/15/05	01/15/05	10:10	SVM	MS-V6	1	323-100579	ND	
Toluene	None Detected	ug/L	0.5	0.15	8260	01/15/05	01/15/05	10:10	SVM	MS-V6	1	323-100579	ND	
1,2,3-Trichlorobenzene	None Detected	ug/L	0.5	0.14	8260	01/15/05	01/15/05	10:10	SVM	MS-V6	1	323-100579	ND	
1,2,4-Trichlorobenzene	None Detected	ug/L	0.5	0.060	8260	01/15/05	01/15/05	10:10	SVM	MS-V6	1	323-100579	ND	
1,1,1-Trichloroethane	None Detected	ug/L	0.5	0.16	8260	01/15/05	01/15/05	10:10	SVM	MS-V6	1	323-100579	ND	S09
1,1,2-Trichloroethane	None Detected	ug/L	0.5	0.099	8260	01/15/05	01/15/05	10:10	SVM	MS-V6	1	323-100579	ND	
Trichloroethene	None Detected	ug/L	0.5	0.18	8260	01/15/05	01/15/05	10:10	SVM	MS-V6	1	323-100579	ND	S09
Trichlorofluoromethane	None Detected	ug/L	0.5	0.20	8260	01/15/05	01/15/05	10:10	SVM	MS-V6	1	323-100579	ND	S09
1,2,3-Trichloropropane	None Detected	ug/L	1	0.40	8260	01/15/05	01/15/05	10:10	SVM	MS-V6	1	323-100579	ND	
1,1,2-Trichloro-1,2,2-trifluoroethane	None Detected	ug/L	0.5	0.18	8260	01/15/05	01/15/05	10:10	SVM	MS-V6	1	323-100579	ND	S09
1,2,4-Trimethylbenzene	None Detected	ug/L	0.5	0.11	8260	01/15/05	01/15/05	10:10	SVM	MS-V6	1	323-100579	ND	
1,3,5-Trimethylbenzene	None Detected	ug/L	0.5	0.11	8260	01/15/05	01/15/05	10:10	SVM	MS-V6	1	323-100579	ND	

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Volatile Organic Analysis (EPA Method 8260)

Sample Description	828830/02010000, AMERICAN CANYON LANDFILL, GW-6, 01/11/2005 @ 08:57, PAUL WEINHARDT

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date	Run Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Vinyl chloride	None Detected	ug/L	0.5	0.16	8260	01/15/05	01/15/05	10:10	SVM	MS-V6	1	323-100579	ND	S09
Total Xylenes	None Detected	ug/L	1	0.36	8260	01/15/05	01/15/05	10:10	SVM	MS-V6	1	323-100579	ND	
Methyl t-butyl ether	None Detected	ug/L	0.5	0.12	8260	01/15/05	01/15/05	10:10	SVM	MS-V6	1	323-100579	ND	S09

Surrogate Compounds	Result	Units	Control Limits	Method	Prep Date	Run Date	Run Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
1,2-Dichloroethane-d4	137	%	76-114	8260	01/15/05	01/15/05	10:10	SVM	MS-V6	1	323-100579		S09
Toluene-d8	102	%	88-110	8260	01/15/05	01/15/05	10:10	SVM	MS-V6	1	323-100579		
4-Bromofluorobenzene	93	%	86-115	8260	01/15/05	01/15/05	10:10	SVM	MS-V6	1	323-100579		

Flag	Explanations
S09	The surrogate recovery on the sample for this compound was not within the control limits.

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1326 NORTH MARKET BOULEVARD
SACRAMENTO, CA 95834
Attn: JULIAN ISHAM

Water Analysis (General Chemistry)

COC Number	---	**Receive Date/Time**	01/13/2005 @ 08:20
Project Number	828830/02010000	**Sampling Date/Time**	01/11/2005 @ 12:08
Sampling Location	AMERICAN CANYON LANDFILL	**Sample Depth**	---
Sampling Point	G-2DR	**Sample Matrix**	Water
Sampled By	PAUL WEINHARDT	**BCL Sample ID**	05-00421-9

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date	Run Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Total Dissolved Solids @ 180 C	15200	mg/L	1000	500	EPA-160.1	01/17/05	01/17/05	12:00	MV1	MANUAL	100	284-102807	ND	

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SACRAMENTO, CA 95834
Attn: JULIAN ISHAM

Water Analysis (Metals)

COC Number	---	**Receive Date/Time**	01/13/2005 @ 08:20
Project Number	828830/02010000	**Sampling Date/Time**	01/11/2005 @ 12:08
Sampling Location	AMERICAN CANYON LANDFILL	**Sample Depth**	---
Sampling Point	G-2DR	**Sample Matrix**	Water
Sampled By	PAUL WEINHARDT	**BCL Sample ID**	05-00421-9

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date	Run Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Dissolved Arsenic	65	ug/L	10	3.9	EPA-200.8	01/16/05	01/29/05	02:25	MJP	PE-EL1	5	352-101744	ND	A01,Q03
Dissolved Cadmium	None Detected	ug/L	100	27	EPA-6010	01/16/05	01/19/05	14:02	ARD	PE-OP2	10	385-101744	ND	A01
Dissolved Chromium	5.0	ug/L	100	4.0	EPA-6010	01/16/05	01/19/05	14:02	ARD	PE-OP2	10	385-101744	ND	A01,R01
Dissolved Copper	None Detected	ug/L	100	4.1	EPA-6010	01/16/05	01/19/05	14:02	ARD	PE-OP2	10	385-101744	ND	A01
Dissolved Lead	None Detected	ug/L	5	0.14	EPA-200.8	01/16/05	01/29/05	02:25	MJP	PE-EL1	5	352-101744	ND	A01
Dissolved Nickel	11	ug/L	100	11	EPA-6010	01/16/05	01/19/05	14:02	ARD	PE-OP2	10	385-101744	ND	A01,R01

Flag	Explanations
A01	PQL's and MDL's are raised due to sample dilution.
Q03	Matrix spike recovery is not within the control limits.
R01	The sample result is between the MDL and PQL.

Comments

Sample was filtered thru 0.45 u filter and acidified prior to metal analysis.

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1326 NORTH MARKET BOULEVARD
SACRAMENTO, CA 95834
Attn: JULIAN ISHAM

Volatile Organic Analysis (EPA Method 8260)

COC Number	---	**Receive Date/Time**	01/13/2005 @ 08:20
Project Number	828830/02010000	**Sampling Date/Time**	01/11/2005 @ 12:08
Sampling Location	AMERICAN CANYON LANDFILL	**Sample Depth**	---
Sampling Point	G-2DR	**Sample Matrix**	Water
Sampled By	PAUL WEINHARDT	**BCL Sample ID**	05-00421-9

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date	Run Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Benzene	None Detected	ug/L	0.5	0.12	8260	01/15/05	01/15/05	11:09	SVM	MS-V6	1	323-100579	ND	S09
Bromobenzene	None Detected	ug/L	0.5	0.12	8260	01/15/05	01/15/05	11:09	SVM	MS-V6	1	323-100579	ND	
Bromochloromethane	None Detected	ug/L	0.5	0.13	8260	01/15/05	01/15/05	11:09	SVM	MS-V6	1	323-100579	ND	
Bromodichloromethane	None Detected	ug/L	0.5	0.12	8260	01/15/05	01/15/05	11:09	SVM	MS-V6	1	323-100579	ND	S09
Bromoform	None Detected	ug/L	0.5	0.33	8260	01/15/05	01/15/05	11:09	SVM	MS-V6	1	323-100579	ND	
Bromomethane	None Detected	ug/L	1	0.21	8260	01/15/05	01/15/05	11:09	SVM	MS-V6	1	323-100579	ND	S09
n-Butylbenzene	None Detected	ug/L	0.5	0.13	8260	01/15/05	01/15/05	11:09	SVM	MS-V6	1	323-100579	ND	
sec-Butylbenzene	None Detected	ug/L	0.5	0.11	8260	01/15/05	01/15/05	11:09	SVM	MS-V6	1	323-100579	ND	
tert-Butylbenzene	None Detected	ug/L	0.5	0.11	8260	01/15/05	01/15/05	11:09	SVM	MS-V6	1	323-100579	ND	
Carbon tetrachloride	None Detected	ug/L	0.5	0.15	8260	01/15/05	01/15/05	11:09	SVM	MS-V6	1	323-100579	ND	S09
Chlorobenzene	None Detected	ug/L	0.5	0.12	8260	01/15/05	01/15/05	11:09	SVM	MS-V6	1	323-100579	ND	
Chloroethane	None Detected	ug/L	0.5	0.17	8260	01/15/05	01/15/05	11:09	SVM	MS-V6	1	323-100579	ND	S09
Chloroform	None Detected	ug/L	0.5	0.11	8260	01/15/05	01/15/05	11:09	SVM	MS-V6	1	323-100579	ND	S09
Chloromethane	None Detected	ug/L	0.5	0.17	8260	01/15/05	01/15/05	11:09	SVM	MS-V6	1	323-100579	ND	S09
2-Chlorotoluene	None Detected	ug/L	0.5	0.17	8260	01/15/05	01/15/05	11:09	SVM	MS-V6	1	323-100579	ND	
4-Chlorotoluene	None Detected	ug/L	0.5	0.13	8260	01/15/05	01/15/05	11:09	SVM	MS-V6	1	323-100579	ND	
Dibromochloromethane	None Detected	ug/L	0.5	0.11	8260	01/15/05	01/15/05	11:09	SVM	MS-V6	1	323-100579	ND	
1,2-Dibromo-3-chloropropane	None Detected	ug/L	1	0.69	8260	01/15/05	01/15/05	11:09	SVM	MS-V6	1	323-100579	ND	
1,2-Dibromoethane	None Detected	ug/L	0.5	0.083	8260	01/15/05	01/15/05	11:09	SVM	MS-V6	1	323-100579	ND	
Dibromomethane	None Detected	ug/L	0.5	0.14	8260	01/15/05	01/15/05	11:09	SVM	MS-V6	1	323-100579	ND	S09
1,2-Dichlorobenzene	None Detected	ug/L	0.5	0.077	8260	01/15/05	01/15/05	11:09	SVM	MS-V6	1	323-100579	ND	
1,3-Dichlorobenzene	None Detected	ug/L	0.5	0.14	8260	01/15/05	01/15/05	11:09	SVM	MS-V6	1	323-100579	ND	
1,4-Dichlorobenzene	None Detected	ug/L	0.5	0.14	8260	01/15/05	01/15/05	11:09	SVM	MS-V6	1	323-100579	ND	

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Volatile Organic Analysis (EPA Method 8260)

Sample Description	828830/02010000, AMERICAN CANYON LANDFILL, G-2DR, 01/11/2005 @ 12:08, PAUL WEINHARDT

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date	Run Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Dichlorodifluoromethane	None Detected	ug/L	0.5	0.20	8260	01/15/05	01/15/05	11:09	SVM	MS-V6	1	323-100579	ND	S09
1,1-Dichloroethane	None Detected	ug/L	0.5	0.13	8260	01/15/05	01/15/05	11:09	SVM	MS-V6	1	323-100579	ND	S09
1,2-Dichloroethane	None Detected	ug/L	0.5	0.25	8260	01/15/05	01/15/05	11:09	SVM	MS-V6	1	323-100579	ND	S09
1,1-Dichloroethene	None Detected	ug/L	0.5	0.11	8260	01/15/05	01/15/05	11:09	SVM	MS-V6	1	323-100579	ND	S09
cis-1,2-Dichloroethene	None Detected	ug/L	0.5	0.19	8260	01/15/05	01/15/05	11:09	SVM	MS-V6	1	323-100579	ND	S09
trans-1,2-Dichloroethene	None Detected	ug/L	0.5	0.19	8260	01/15/05	01/15/05	11:09	SVM	MS-V6	1	323-100579	ND	S09
1,2-Dichloropropane	None Detected	ug/L	0.5	0.16	8260	01/15/05	01/15/05	11:09	SVM	MS-V6	1	323-100579	ND	S09
1,3-Dichloropropane	None Detected	ug/L	0.5	0.18	8260	01/15/05	01/15/05	11:09	SVM	MS-V6	1	323-100579	ND	
2,2-Dichloropropane	None Detected	ug/L	0.5	0.14	8260	01/15/05	01/15/05	11:09	SVM	MS-V6	1	323-100579	ND	S09
1,1-Dichloropropene	None Detected	ug/L	0.5	0.18	8260	01/15/05	01/15/05	11:09	SVM	MS-V6	1	323-100579	ND	S09
cis-1,3-Dichloropropene	None Detected	ug/L	0.5	0.13	8260	01/15/05	01/15/05	11:09	SVM	MS-V6	1	323-100579	ND	
trans-1,3-Dichloropropene	None Detected	ug/L	0.5	0.14	8260	01/15/05	01/15/05	11:09	SVM	MS-V6	1	323-100579	ND	
Ethylbenzene	None Detected	ug/L	0.5	0.12	8260	01/15/05	01/15/05	11:09	SVM	MS-V6	1	323-100579	ND	
Hexachlorobutadiene	None Detected	ug/L	0.5	0.23	8260	01/15/05	01/15/05	11:09	SVM	MS-V6	1	323-100579	ND	
Isopropylbenzene	None Detected	ug/L	0.5	0.14	8260	01/15/05	01/15/05	11:09	SVM	MS-V6	1	323-100579	ND	
p-Isopropyltoluene	None Detected	ug/L	0.5	0.11	8260	01/15/05	01/15/05	11:09	SVM	MS-V6	1	323-100579	ND	
Methylene chloride	None Detected	ug/L	1	0.43	8260	01/15/05	01/15/05	11:09	SVM	MS-V6	1	323-100579	ND	S09
Naphthalene	None Detected	ug/L	0.5	0.093	8260	01/15/05	01/15/05	11:09	SVM	MS-V6	1	323-100579	ND	
n-Propylbenzene	None Detected	ug/L	0.5	0.13	8260	01/15/05	01/15/05	11:09	SVM	MS-V6	1	323-100579	ND	
Styrene	None Detected	ug/L	0.5	0.16	8260	01/15/05	01/15/05	11:09	SVM	MS-V6	1	323-100579	ND	
1,1,1,2-Tetrachloroethane	None Detected	ug/L	0.5	0.12	8260	01/15/05	01/15/05	11:09	SVM	MS-V6	1	323-100579	ND	
1,1,2,2-Tetrachloroethane	None Detected	ug/L	0.5	0.23	8260	01/15/05	01/15/05	11:09	SVM	MS-V6	1	323-100579	ND	
Tetrachloroethene	None Detected	ug/L	0.5	0.15	8260	01/15/05	01/15/05	11:09	SVM	MS-V6	1	323-100579	ND	
Toluene	None Detected	ug/L	0.5	0.15	8260	01/15/05	01/15/05	11:09	SVM	MS-V6	1	323-100579	ND	
1,2,3-Trichlorobenzene	None Detected	ug/L	0.5	0.14	8260	01/15/05	01/15/05	11:09	SVM	MS-V6	1	323-100579	ND	
1,2,4-Trichlorobenzene	None Detected	ug/L	0.5	0.060	8260	01/15/05	01/15/05	11:09	SVM	MS-V6	1	323-100579	ND	
1,1,1-Trichloroethane	None Detected	ug/L	0.5	0.16	8260	01/15/05	01/15/05	11:09	SVM	MS-V6	1	323-100579	ND	S09
1,1,2-Trichloroethane	None Detected	ug/L	0.5	0.099	8260	01/15/05	01/15/05	11:09	SVM	MS-V6	1	323-100579	ND	
Trichloroethene	None Detected	ug/L	0.5	0.18	8260	01/15/05	01/15/05	11:09	SVM	MS-V6	1	323-100579	ND	S09
Trichlorofluoromethane	None Detected	ug/L	0.5	0.20	8260	01/15/05	01/15/05	11:09	SVM	MS-V6	1	323-100579	ND	S09
1,2,3-Trichloropropane	None Detected	ug/L	1	0.40	8260	01/15/05	01/15/05	11:09	SVM	MS-V6	1	323-100579	ND	
1,1,2-Trichloro-1,2,2-trifluoroethane	None Detected	ug/L	0.5	0.18	8260	01/15/05	01/15/05	11:09	SVM	MS-V6	1	323-100579	ND	S09
1,2,4-Trimethylbenzene	None Detected	ug/L	0.5	0.11	8260	01/15/05	01/15/05	11:09	SVM	MS-V6	1	323-100579	ND	
1,3,5-Trimethylbenzene	None Detected	ug/L	0.5	0.11	8260	01/15/05	01/15/05	11:09	SVM	MS-V6	1	323-100579	ND	

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Volatile Organic Analysis (EPA Method 8260)

Sample Description	828830/02010000, AMERICAN CANYON LANDFILL, G-2DR, 01/11/2005 @ 12:08, PAUL WEINHARDT

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date	Run Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Vinyl chloride	None Detected	ug/L	0.5	0.16	8260	01/15/05	01/15/05	11:09	SVM	MS-V6	1	323-100579	ND	S09
Total Xylenes	None Detected	ug/L	1	0.36	8260	01/15/05	01/15/05	11:09	SVM	MS-V6	1	323-100579	ND	
Methyl t-butyl ether	None Detected	ug/L	0.5	0.12	8260	01/15/05	01/15/05	11:09	SVM	MS-V6	1	323-100579	ND	S09

Surrogate Compounds	Result	Units	Control Limits	Method	Prep Date	Run Date	Run Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
1,2-Dichloroethane-d4	136	%	76-114	8260	01/15/05	01/15/05	11:09	SVM	MS-V6	1	323-100579		S09
Toluene-d8	101	%	88-110	8260	01/15/05	01/15/05	11:09	SVM	MS-V6	1	323-100579		
4-Bromofluorobenzene	94	%	86-115	8260	01/15/05	01/15/05	11:09	SVM	MS-V6	1	323-100579		

Flag	Explanations
S09	The surrogate recovery on the sample for this compound was not within the control limits.

California DOHS Certification #1186

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1326 NORTH MARKET BOULEVARD
SACRAMENTO, CA 95834
Attn: JULIAN ISHAM

Water Analysis (General Chemistry)

COC Number	---	**Receive Date/Time**	01/13/2005 @ 08:20
Project Number	828830/02010000	**Sampling Date/Time**	01/12/2005
Sampling Location	AMERICAN CANYON LANDFILL	**Sample Depth**	---
Sampling Point	XDUP-1	**Sample Matrix**	Water
Sampled By	PAUL WEINHARDT	**BCL Sample ID**	05-00421-10

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date	Run Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Total Dissolved Solids @ 180 C	15300	mg/L	1000	500	EPA-160.1	01/17/05	01/17/05	12:00	MV1	MANUAL	100	284-102807	ND	

California DOHS Certification #1186

BC Laboratories, Inc

SHAW ENVIRONMENTAL & INFRASTRUCTURE, INC.
1326 NORTH MARKET BOULEVARD
SACRAMENTO, CA 95834
Attn: JULIAN ISHAM

Water Analysis (Metals)

COC Number	---	**Receive Date/Time**	01/13/2005 @ 08:20
Project Number	828830/02010000	**Sampling Date/Time**	01/12/2005
Sampling Location	AMERICAN CANYON LANDFILL	**Sample Depth**	---
Sampling Point	XDUP-1	**Sample Matrix**	Water
Sampled By	PAUL WEINHARDT	**BCL Sample ID**	05-00421-10

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date	Run Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Dissolved Arsenic	63	ug/L	20	7.7	EPA-200.8	01/16/05	01/29/05	02:31	MJP	PE-EL1	10	352-101744	ND	A01,Q03
Dissolved Cadmium	None Detected	ug/L	100	27	EPA-6010	01/16/05	01/19/05	14:09	ARD	PE-OP2	10	385-101744	ND	A01
Dissolved Chromium	7.0	ug/L	100	4.0	EPA-6010	01/16/05	01/19/05	14:09	ARD	PE-OP2	10	385-101744	ND	A01,R01
Dissolved Copper	None Detected	ug/L	100	4.1	EPA-6010	01/16/05	01/19/05	14:09	ARD	PE-OP2	10	385-101744	ND	A01
Dissolved Lead	None Detected	ug/L	10	0.27	EPA-200.8	01/16/05	01/29/05	02:31	MJP	PE-EL1	10	352-101744	ND	A01
Dissolved Nickel	None Detected	ug/L	100	11	EPA-6010	01/16/05	01/19/05	14:09	ARD	PE-OP2	10	385-101744	ND	A01

Flag	Explanations
A01	PQL's and MDL's are raised due to sample dilution.
Q03	Matrix spike recovery is not within the control limits.
R01	The sample result is between the MDL and PQL.

Comments

Sample was filtered thru 0.45 u filter and acidified prior to metal analysis.

California DOHS Certification #1186

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SHAW ENVIRONMENTAL & INFRASTRUCTURE, INC.
1326 NORTH MARKET BOULEVARD
SACRAMENTO, CA 95834
Attn: JULIAN ISHAM

Volatile Organic Analysis (EPA Method 8260)

COC Number	---	**Receive Date/Time**	01/13/2005 @ 08:20
Project Number	828830/02010000	**Sampling Date/Time**	01/12/2005
Sampling Location	AMERICAN CANYON LANDFILL	**Sample Depth**	---
Sampling Point	XDUP-1	**Sample Matrix**	Water
Sampled By	PAUL WEINHARDT	**BCL Sample ID**	05-00421-10

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date	Run Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Benzene	0.15	ug/L	0.5	0.12	8260	01/17/05	01/17/05	14:05	SVM	MS-V6	1	323-100579	ND	R01,S09
Bromobenzene	None Detected	ug/L	0.5	0.12	8260	01/17/05	01/17/05	14:05	SVM	MS-V6	1	323-100579	ND	
Bromochloromethane	None Detected	ug/L	0.5	0.13	8260	01/17/05	01/17/05	14:05	SVM	MS-V6	1	323-100579	ND	
Bromodichloromethane	None Detected	ug/L	0.5	0.12	8260	01/17/05	01/17/05	14:05	SVM	MS-V6	1	323-100579	ND	V11,S09
Bromoform	None Detected	ug/L	0.5	0.33	8260	01/17/05	01/17/05	14:05	SVM	MS-V6	1	323-100579	ND	V11
Bromomethane	None Detected	ug/L	1	0.21	8260	01/17/05	01/17/05	14:05	SVM	MS-V6	1	323-100579	ND	V11,S09
n-Butylbenzene	None Detected	ug/L	0.5	0.13	8260	01/17/05	01/17/05	14:05	SVM	MS-V6	1	323-100579	ND	
sec-Butylbenzene	None Detected	ug/L	0.5	0.11	8260	01/17/05	01/17/05	14:05	SVM	MS-V6	1	323-100579	ND	
tert-Butylbenzene	None Detected	ug/L	0.5	0.11	8260	01/17/05	01/17/05	14:05	SVM	MS-V6	1	323-100579	ND	
Carbon tetrachloride	None Detected	ug/L	0.5	0.15	8260	01/17/05	01/17/05	14:05	SVM	MS-V6	1	323-100579	ND	S09
Chlorobenzene	None Detected	ug/L	0.5	0.12	8260	01/17/05	01/17/05	14:05	SVM	MS-V6	1	323-100579	ND	
Chloroethane	None Detected	ug/L	0.5	0.17	8260	01/17/05	01/17/05	14:05	SVM	MS-V6	1	323-100579	ND	S09
Chloroform	None Detected	ug/L	0.5	0.11	8260	01/17/05	01/17/05	14:05	SVM	MS-V6	1	323-100579	ND	S09
Chloromethane	None Detected	ug/L	0.5	0.17	8260	01/17/05	01/17/05	14:05	SVM	MS-V6	1	323-100579	ND	S09
2-Chlorotoluene	None Detected	ug/L	0.5	0.17	8260	01/17/05	01/17/05	14:05	SVM	MS-V6	1	323-100579	ND	
4-Chlorotoluene	None Detected	ug/L	0.5	0.13	8260	01/17/05	01/17/05	14:05	SVM	MS-V6	1	323-100579	ND	
Dibromochloromethane	None Detected	ug/L	0.5	0.11	8260	01/17/05	01/17/05	14:05	SVM	MS-V6	1	323-100579	ND	V11
1,2-Dibromo-3-chloropropane	None Detected	ug/L	1	0.69	8260	01/17/05	01/17/05	14:05	SVM	MS-V6	1	323-100579	ND	V11
1,2-Dibromoethane	None Detected	ug/L	0.5	0.083	8260	01/17/05	01/17/05	14:05	SVM	MS-V6	1	323-100579	ND	
Dibromomethane	None Detected	ug/L	0.5	0.14	8260	01/17/05	01/17/05	14:05	SVM	MS-V6	1	323-100579	ND	S09
1,2-Dichlorobenzene	None Detected	ug/L	0.5	0.077	8260	01/17/05	01/17/05	14:05	SVM	MS-V6	1	323-100579	ND	
1,3-Dichlorobenzene	None Detected	ug/L	0.5	0.14	8260	01/17/05	01/17/05	14:05	SVM	MS-V6	1	323-100579	ND	
1,4-Dichlorobenzene	None Detected	ug/L	0.5	0.14	8260	01/17/05	01/17/05	14:05	SVM	MS-V6	1	323-100579	ND	

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Volatile Organic Analysis (EPA Method 8260)

Sample Description	828830/02010000, AMERICAN CANYON LANDFILL, XDUP-1, 01/12/2005, PAUL WEINHARDT

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date	Run Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Dichlorodifluoromethane	None Detected	ug/L	0.5	0.20	8260	01/17/05	01/17/05	14:05	SVM	MS-V6	1	323-100579	ND	S09
1,1-Dichloroethane	None Detected	ug/L	0.5	0.13	8260	01/17/05	01/17/05	14:05	SVM	MS-V6	1	323-100579	ND	S09
1,2-Dichloroethane	None Detected	ug/L	0.5	0.25	8260	01/17/05	01/17/05	14:05	SVM	MS-V6	1	323-100579	ND	S09
1,1-Dichloroethene	None Detected	ug/L	0.5	0.11	8260	01/17/05	01/17/05	14:05	SVM	MS-V6	1	323-100579	ND	S09
cis-1,2-Dichloroethene	None Detected	ug/L	0.5	0.19	8260	01/17/05	01/17/05	14:05	SVM	MS-V6	1	323-100579	ND	S09
trans-1,2-Dichloroethene	None Detected	ug/L	0.5	0.19	8260	01/17/05	01/17/05	14:05	SVM	MS-V6	1	323-100579	ND	S09
1,2-Dichloropropane	None Detected	ug/L	0.5	0.16	8260	01/17/05	01/17/05	14:05	SVM	MS-V6	1	323-100579	ND	S09
1,3-Dichloropropane	None Detected	ug/L	0.5	0.18	8260	01/17/05	01/17/05	14:05	SVM	MS-V6	1	323-100579	ND	
2,2-Dichloropropane	None Detected	ug/L	0.5	0.14	8260	01/17/05	01/17/05	14:05	SVM	MS-V6	1	323-100579	ND	S09
1,1-Dichloropropene	None Detected	ug/L	0.5	0.18	8260	01/17/05	01/17/05	14:05	SVM	MS-V6	1	323-100579	ND	S09
cis-1,3-Dichloropropene	None Detected	ug/L	0.5	0.13	8260	01/17/05	01/17/05	14:05	SVM	MS-V6	1	323-100579	ND	
trans-1,3-Dichloropropene	None Detected	ug/L	0.5	0.14	8260	01/17/05	01/17/05	14:05	SVM	MS-V6	1	323-100579	ND	
Ethylbenzene	0.18	ug/L	0.5	0.12	8260	01/17/05	01/17/05	14:05	SVM	MS-V6	1	323-100579	ND	R01
Hexachlorobutadiene	None Detected	ug/L	0.5	0.23	8260	01/17/05	01/17/05	14:05	SVM	MS-V6	1	323-100579	ND	
Isopropylbenzene	None Detected	ug/L	0.5	0.14	8260	01/17/05	01/17/05	14:05	SVM	MS-V6	1	323-100579	ND	
p-Isopropyltoluene	None Detected	ug/L	0.5	0.11	8260	01/17/05	01/17/05	14:05	SVM	MS-V6	1	323-100579	ND	
Methylene chloride	None Detected	ug/L	1	0.43	8260	01/17/05	01/17/05	14:05	SVM	MS-V6	1	323-100579	ND	S09
Naphthalene	3.1	ug/L	0.5	0.093	8260	01/17/05	01/17/05	14:05	SVM	MS-V6	1	323-100579	ND	
n-Propylbenzene	None Detected	ug/L	0.5	0.13	8260	01/17/05	01/17/05	14:05	SVM	MS-V6	1	323-100579	ND	
Styrene	None Detected	ug/L	0.5	0.16	8260	01/17/05	01/17/05	14:05	SVM	MS-V6	1	323-100579	ND	
1,1,1,2-Tetrachloroethane	None Detected	ug/L	0.5	0.12	8260	01/17/05	01/17/05	14:05	SVM	MS-V6	1	323-100579	ND	
1,1,2,2-Tetrachloroethane	None Detected	ug/L	0.5	0.23	8260	01/17/05	01/17/05	14:05	SVM	MS-V6	1	323-100579	ND	
Tetrachloroethene	None Detected	ug/L	0.5	0.15	8260	01/17/05	01/17/05	14:05	SVM	MS-V6	1	323-100579	ND	
Toluene	None Detected	ug/L	0.5	0.15	8260	01/17/05	01/17/05	14:05	SVM	MS-V6	1	323-100579	ND	
1,2,3-Trichlorobenzene	None Detected	ug/L	0.5	0.14	8260	01/17/05	01/17/05	14:05	SVM	MS-V6	1	323-100579	ND	
1,2,4-Trichlorobenzene	None Detected	ug/L	0.5	0.060	8260	01/17/05	01/17/05	14:05	SVM	MS-V6	1	323-100579	ND	
1,1,1-Trichloroethane	None Detected	ug/L	0.5	0.16	8260	01/17/05	01/17/05	14:05	SVM	MS-V6	1	323-100579	ND	S09
1,1,2-Trichloroethane	None Detected	ug/L	0.5	0.099	8260	01/17/05	01/17/05	14:05	SVM	MS-V6	1	323-100579	ND	
Trichloroethene	None Detected	ug/L	0.5	0.18	8260	01/17/05	01/17/05	14:05	SVM	MS-V6	1	323-100579	ND	S09
Trichlorofluoromethane	None Detected	ug/L	0.5	0.20	8260	01/17/05	01/17/05	14:05	SVM	MS-V6	1	323-100579	ND	S09
1,2,3-Trichloropropane	None Detected	ug/L	1	0.40	8260	01/17/05	01/17/05	14:05	SVM	MS-V6	1	323-100579	ND	
1,1,2-Trichloro-1,2,2-trifluoroethane	None Detected	ug/L	0.5	0.18	8260	01/17/05	01/17/05	14:05	SVM	MS-V6	1	323-100579	ND	S09
1,2,4-Trimethylbenzene	None Detected	ug/L	0.5	0.11	8260	01/17/05	01/17/05	14:05	SVM	MS-V6	1	323-100579	ND	
1,3,5-Trimethylbenzene	None Detected	ug/L	0.5	0.11	8260	01/17/05	01/17/05	14:05	SVM	MS-V6	1	323-100579	ND	

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Volatile Organic Analysis (EPA Method 8260)

Sample Description	828830/02010000, AMERICAN CANYON LANDFILL, XDUP-1, 01/12/2005, PAUL WEINHARDT

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date	Run Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Vinyl chloride	None Detected	ug/L	0.5	0.16	8260	01/17/05	01/17/05	14:05	SVM	MS-V6	1	323-100579	ND	S09
Total Xylenes	0.49	ug/L	1	0.36	8260	01/17/05	01/17/05	14:05	SVM	MS-V6	1	323-100579	ND	R01
Methyl t-butyl ether	None Detected	ug/L	0.5	0.12	8260	01/17/05	01/17/05	14:05	SVM	MS-V6	1	323-100579	ND	S09

Surrogate Compounds	Result	Units	Control Limits	Method	Prep Date	Run Date	Run Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
1,2-Dichloroethane-d4	115	%	76-114	8260	01/17/05	01/17/05	14:05	SVM	MS-V6	1	323-100579		S09
Toluene-d8	102	%	88-110	8260	01/17/05	01/17/05	14:05	SVM	MS-V6	1	323-100579		
4-Bromofluorobenzene	103	%	86-115	8260	01/17/05	01/17/05	14:05	SVM	MS-V6	1	323-100579		

Flag	Explanations
R01	The sample result is between the MDL and PQL.
S09	The surrogate recovery on the sample for this compound was not within the control limits.
V11	The Continuing Calibration Verification (CCV) recovery is not within established control limits.

Comments

Sample recieved at pH=6.

California DOHS Certification #1186

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1326 NORTH MARKET BOULEVARD
SACRAMENTO, CA 95834
Attn: JULIAN ISHAM

Volatile Organic Analysis (EPA Method 8260)

COC Number	---	**Receive Date/Time**	01/13/2005 @ 08:20
Project Number	828830/02010000	**Sampling Date/Time**	01/12/2005
Sampling Location	AMERICAN CANYON LANDFILL	**Sample Depth**	---
Sampling Point	FIELD BLANK	**Sample Matrix**	Water
Sampled By	PAUL WEINHARDT	**BCL Sample ID**	05-00421-11

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date	Run Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Benzene	None Detected	ug/L	0.5	0.12	8260	01/14/05	01/14/05	20:47	SVM	MS-V6	1	323-100578	ND	S09
Bromobenzene	None Detected	ug/L	0.5	0.12	8260	01/14/05	01/14/05	20:47	SVM	MS-V6	1	323-100578	ND	
Bromochloromethane	None Detected	ug/L	0.5	0.13	8260	01/14/05	01/14/05	20:47	SVM	MS-V6	1	323-100578	ND	
Bromodichloromethane	None Detected	ug/L	0.5	0.12	8260	01/14/05	01/14/05	20:47	SVM	MS-V6	1	323-100578	ND	S09
Bromoform	None Detected	ug/L	0.5	0.33	8260	01/14/05	01/14/05	20:47	SVM	MS-V6	1	323-100578	ND	
Bromomethane	None Detected	ug/L	1	0.21	8260	01/14/05	01/14/05	20:47	SVM	MS-V6	1	323-100578	ND	S09
n-Butylbenzene	None Detected	ug/L	0.5	0.13	8260	01/14/05	01/14/05	20:47	SVM	MS-V6	1	323-100578	ND	
sec-Butylbenzene	None Detected	ug/L	0.5	0.11	8260	01/14/05	01/14/05	20:47	SVM	MS-V6	1	323-100578	ND	
tert-Butylbenzene	None Detected	ug/L	0.5	0.11	8260	01/14/05	01/14/05	20:47	SVM	MS-V6	1	323-100578	ND	
Carbon tetrachloride	None Detected	ug/L	0.5	0.15	8260	01/14/05	01/14/05	20:47	SVM	MS-V6	1	323-100578	ND	S09
Chlorobenzene	None Detected	ug/L	0.5	0.12	8260	01/14/05	01/14/05	20:47	SVM	MS-V6	1	323-100578	ND	
Chloroethane	None Detected	ug/L	0.5	0.17	8260	01/14/05	01/14/05	20:47	SVM	MS-V6	1	323-100578	ND	S09
Chloroform	None Detected	ug/L	0.5	0.11	8260	01/14/05	01/14/05	20:47	SVM	MS-V6	1	323-100578	ND	S09
Chloromethane	None Detected	ug/L	0.5	0.17	8260	01/14/05	01/14/05	20:47	SVM	MS-V6	1	323-100578	ND	S09
2-Chlorotoluene	None Detected	ug/L	0.5	0.17	8260	01/14/05	01/14/05	20:47	SVM	MS-V6	1	323-100578	ND	
4-Chlorotoluene	None Detected	ug/L	0.5	0.13	8260	01/14/05	01/14/05	20:47	SVM	MS-V6	1	323-100578	ND	
Dibromochloromethane	None Detected	ug/L	0.5	0.11	8260	01/14/05	01/14/05	20:47	SVM	MS-V6	1	323-100578	ND	
1,2-Dibromo-3-chloropropane	None Detected	ug/L	1	0.69	8260	01/14/05	01/14/05	20:47	SVM	MS-V6	1	323-100578	ND	
1,2-Dibromoethane	None Detected	ug/L	0.5	0.083	8260	01/14/05	01/14/05	20:47	SVM	MS-V6	1	323-100578	ND	
Dibromomethane	None Detected	ug/L	0.5	0.14	8260	01/14/05	01/14/05	20:47	SVM	MS-V6	1	323-100578	ND	S09
1,2-Dichlorobenzene	None Detected	ug/L	0.5	0.077	8260	01/14/05	01/14/05	20:47	SVM	MS-V6	1	323-100578	ND	
1,3-Dichlorobenzene	None Detected	ug/L	0.5	0.14	8260	01/14/05	01/14/05	20:47	SVM	MS-V6	1	323-100578	ND	
1,4-Dichlorobenzene	None Detected	ug/L	0.5	0.14	8260	01/14/05	01/14/05	20:47	SVM	MS-V6	1	323-100578	ND	

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Volatile Organic Analysis (EPA Method 8260)

Sample Description	828830/02010000, AMERICAN CANYON LANDFILL, FIELD BLANK, 01/12/2005, PAUL WEINHARDT

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date	Run Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Dichlorodifluoromethane	None Detected	ug/L	0.5	0.20	8260	01/14/05	01/14/05	20:47	SVM	MS-V6	1	323-100578	ND	S09
1,1-Dichloroethane	None Detected	ug/L	0.5	0.13	8260	01/14/05	01/14/05	20:47	SVM	MS-V6	1	323-100578	ND	S09
1,2-Dichloroethane	None Detected	ug/L	0.5	0.25	8260	01/14/05	01/14/05	20:47	SVM	MS-V6	1	323-100578	ND	S09
1,1-Dichloroethene	None Detected	ug/L	0.5	0.11	8260	01/14/05	01/14/05	20:47	SVM	MS-V6	1	323-100578	ND	S09
cis-1,2-Dichloroethene	None Detected	ug/L	0.5	0.19	8260	01/14/05	01/14/05	20:47	SVM	MS-V6	1	323-100578	ND	S09
trans-1,2-Dichloroethene	None Detected	ug/L	0.5	0.19	8260	01/14/05	01/14/05	20:47	SVM	MS-V6	1	323-100578	ND	S09
1,2-Dichloropropane	None Detected	ug/L	0.5	0.16	8260	01/14/05	01/14/05	20:47	SVM	MS-V6	1	323-100578	ND	S09
1,3-Dichloropropane	None Detected	ug/L	0.5	0.18	8260	01/14/05	01/14/05	20:47	SVM	MS-V6	1	323-100578	ND	
2,2-Dichloropropane	None Detected	ug/L	0.5	0.14	8260	01/14/05	01/14/05	20:47	SVM	MS-V6	1	323-100578	ND	S09
1,1-Dichloropropene	None Detected	ug/L	0.5	0.18	8260	01/14/05	01/14/05	20:47	SVM	MS-V6	1	323-100578	ND	S09
cis-1,3-Dichloropropene	None Detected	ug/L	0.5	0.13	8260	01/14/05	01/14/05	20:47	SVM	MS-V6	1	323-100578	ND	
trans-1,3-Dichloropropene	None Detected	ug/L	0.5	0.14	8260	01/14/05	01/14/05	20:47	SVM	MS-V6	1	323-100578	ND	
Ethylbenzene	None Detected	ug/L	0.5	0.12	8260	01/14/05	01/14/05	20:47	SVM	MS-V6	1	323-100578	ND	
Hexachlorobutadiene	None Detected	ug/L	0.5	0.23	8260	01/14/05	01/14/05	20:47	SVM	MS-V6	1	323-100578	ND	
Isopropylbenzene	None Detected	ug/L	0.5	0.14	8260	01/14/05	01/14/05	20:47	SVM	MS-V6	1	323-100578	ND	
p-Isopropyltoluene	None Detected	ug/L	0.5	0.11	8260	01/14/05	01/14/05	20:47	SVM	MS-V6	1	323-100578	ND	
Methylene chloride	None Detected	ug/L	1	0.43	8260	01/14/05	01/14/05	20:47	SVM	MS-V6	1	323-100578	ND	S09
Naphthalene	None Detected	ug/L	0.5	0.093	8260	01/14/05	01/14/05	20:47	SVM	MS-V6	1	323-100578	ND	
n-Propylbenzene	None Detected	ug/L	0.5	0.13	8260	01/14/05	01/14/05	20:47	SVM	MS-V6	1	323-100578	ND	
Styrene	None Detected	ug/L	0.5	0.16	8260	01/14/05	01/14/05	20:47	SVM	MS-V6	1	323-100578	ND	
1,1,1,2-Tetrachloroethane	None Detected	ug/L	0.5	0.12	8260	01/14/05	01/14/05	20:47	SVM	MS-V6	1	323-100578	ND	
1,1,2,2-Tetrachloroethane	None Detected	ug/L	0.5	0.23	8260	01/14/05	01/14/05	20:47	SVM	MS-V6	1	323-100578	ND	
Tetrachloroethene	None Detected	ug/L	0.5	0.15	8260	01/14/05	01/14/05	20:47	SVM	MS-V6	1	323-100578	ND	
Toluene	None Detected	ug/L	0.5	0.15	8260	01/14/05	01/14/05	20:47	SVM	MS-V6	1	323-100578	ND	
1,2,3-Trichlorobenzene	None Detected	ug/L	0.5	0.14	8260	01/14/05	01/14/05	20:47	SVM	MS-V6	1	323-100578	ND	
1,2,4-Trichlorobenzene	None Detected	ug/L	0.5	0.060	8260	01/14/05	01/14/05	20:47	SVM	MS-V6	1	323-100578	ND	
1,1,1-Trichloroethane	None Detected	ug/L	0.5	0.16	8260	01/14/05	01/14/05	20:47	SVM	MS-V6	1	323-100578	ND	S09
1,1,2-Trichloroethane	None Detected	ug/L	0.5	0.099	8260	01/14/05	01/14/05	20:47	SVM	MS-V6	1	323-100578	ND	
Trichloroethene	None Detected	ug/L	0.5	0.18	8260	01/14/05	01/14/05	20:47	SVM	MS-V6	1	323-100578	ND	S09
Trichlorofluoromethane	None Detected	ug/L	0.5	0.20	8260	01/14/05	01/14/05	20:47	SVM	MS-V6	1	323-100578	ND	S09
1,2,3-Trichloropropane	None Detected	ug/L	1	0.40	8260	01/14/05	01/14/05	20:47	SVM	MS-V6	1	323-100578	ND	
1,1,2-Trichloro-1,2,2-trifluoroethane	None Detected	ug/L	0.5	0.18	8260	01/14/05	01/14/05	20:47	SVM	MS-V6	1	323-100578	ND	S09
1,2,4-Trimethylbenzene	None Detected	ug/L	0.5	0.11	8260	01/14/05	01/14/05	20:47	SVM	MS-V6	1	323-100578	ND	
1,3,5-Trimethylbenzene	None Detected	ug/L	0.5	0.11	8260	01/14/05	01/14/05	20:47	SVM	MS-V6	1	323-100578	ND	

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Volatile Organic Analysis (EPA Method 8260)

Sample Description	828830/02010000, AMERICAN CANYON LANDFILL, FIELD BLANK, 01/12/2005, PAUL WEINHARDT

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date	Run Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Vinyl chloride	None Detected	ug/L	0.5	0.16	8260	01/14/05	01/14/05	20:47	SVM	MS-V6	1	323-100578	ND	S09
Total Xylenes	None Detected	ug/L	1	0.36	8260	01/14/05	01/14/05	20:47	SVM	MS-V6	1	323-100578	ND	
Methyl t-butyl ether	None Detected	ug/L	0.5	0.12	8260	01/14/05	01/14/05	20:47	SVM	MS-V6	1	323-100578	ND	S09

Surrogate Compounds	Result	Units	Control Limits	Method	Prep Date	Run Date	Run Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
1,2-Dichloroethane-d4	126	%	76-114	8260	01/14/05	01/14/05	20:47	SVM	MS-V6	1	323-100578		S09
Toluene-d8	102	%	88-110	8260	01/14/05	01/14/05	20:47	SVM	MS-V6	1	323-100578		
4-Bromofluorobenzene	92	%	86-115	8260	01/14/05	01/14/05	20:47	SVM	MS-V6	1	323-100578		

Flag	Explanations
S09	The surrogate recovery on the sample for this compound was not within the control limits.

California DOHS Certification #1186

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SHAW ENVIRONMENTAL & INFRASTRUCTURE, INC.
1326 NORTH MARKET BOULEVARD
SACRAMENTO, CA 95834
Attn: JULIAN ISHAM

Volatile Organic Analysis (EPA Method 8260)

COC Number	---	**Receive Date/Time**	01/13/2005 @ 08:20
Project Number	828830/02010000	**Sampling Date/Time**	01/12/2005
Sampling Location	AMERICAN CANYON LANDFILL	**Sample Depth**	---
Sampling Point	TRIP BLANK	**Sample Matrix**	Blank Water
Sampled By	PAUL WEINHARDT	**BCL Sample ID**	05-00421-12

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date	Run Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Benzene	None Detected	ug/L	0.5	0.12	8260	01/14/05	01/14/05	20:18	SVM	MS-V6	1	323-100578	ND	
Bromobenzene	None Detected	ug/L	0.5	0.12	8260	01/14/05	01/14/05	20:18	SVM	MS-V6	1	323-100578	ND	
Bromochloromethane	None Detected	ug/L	0.5	0.13	8260	01/14/05	01/14/05	20:18	SVM	MS-V6	1	323-100578	ND	
Bromodichloromethane	None Detected	ug/L	0.5	0.12	8260	01/14/05	01/14/05	20:18	SVM	MS-V6	1	323-100578	ND	
Bromoform	None Detected	ug/L	0.5	0.33	8260	01/14/05	01/14/05	20:18	SVM	MS-V6	1	323-100578	ND	
Bromomethane	None Detected	ug/L	1	0.21	8260	01/14/05	01/14/05	20:18	SVM	MS-V6	1	323-100578	ND	
n-Butylbenzene	None Detected	ug/L	0.5	0.13	8260	01/14/05	01/14/05	20:18	SVM	MS-V6	1	323-100578	ND	
sec-Butylbenzene	None Detected	ug/L	0.5	0.11	8260	01/14/05	01/14/05	20:18	SVM	MS-V6	1	323-100578	ND	
tert-Butylbenzene	None Detected	ug/L	0.5	0.11	8260	01/14/05	01/14/05	20:18	SVM	MS-V6	1	323-100578	ND	
Carbon tetrachloride	None Detected	ug/L	0.5	0.15	8260	01/14/05	01/14/05	20:18	SVM	MS-V6	1	323-100578	ND	
Chlorobenzene	None Detected	ug/L	0.5	0.12	8260	01/14/05	01/14/05	20:18	SVM	MS-V6	1	323-100578	ND	
Chloroethane	None Detected	ug/L	0.5	0.17	8260	01/14/05	01/14/05	20:18	SVM	MS-V6	1	323-100578	ND	
Chloroform	None Detected	ug/L	0.5	0.11	8260	01/14/05	01/14/05	20:18	SVM	MS-V6	1	323-100578	ND	
Chloromethane	None Detected	ug/L	0.5	0.17	8260	01/14/05	01/14/05	20:18	SVM	MS-V6	1	323-100578	ND	
2-Chlorotoluene	None Detected	ug/L	0.5	0.17	8260	01/14/05	01/14/05	20:18	SVM	MS-V6	1	323-100578	ND	
4-Chlorotoluene	None Detected	ug/L	0.5	0.13	8260	01/14/05	01/14/05	20:18	SVM	MS-V6	1	323-100578	ND	
Dibromochloromethane	None Detected	ug/L	0.5	0.11	8260	01/14/05	01/14/05	20:18	SVM	MS-V6	1	323-100578	ND	
1,2-Dibromo-3-chloropropane	None Detected	ug/L	1	0.69	8260	01/14/05	01/14/05	20:18	SVM	MS-V6	1	323-100578	ND	
1,2-Dibromoethane	None Detected	ug/L	0.5	0.083	8260	01/14/05	01/14/05	20:18	SVM	MS-V6	1	323-100578	ND	
Dibromomethane	None Detected	ug/L	0.5	0.14	8260	01/14/05	01/14/05	20:18	SVM	MS-V6	1	323-100578	ND	
1,2-Dichlorobenzene	None Detected	ug/L	0.5	0.077	8260	01/14/05	01/14/05	20:18	SVM	MS-V6	1	323-100578	ND	
1,3-Dichlorobenzene	None Detected	ug/L	0.5	0.14	8260	01/14/05	01/14/05	20:18	SVM	MS-V6	1	323-100578	ND	
1,4-Dichlorobenzene	None Detected	ug/L	0.5	0.14	8260	01/14/05	01/14/05	20:18	SVM	MS-V6	1	323-100578	ND	

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Volatile Organic Analysis (EPA Method 8260)

Sample Description	828830/02010000, AMERICAN CANYON LANDFILL, TRIP BLANK, 01/12/2005, PAUL WEINHARDT

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date	Run Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Dichlorodifluoromethane	None Detected	ug/L	0.5	0.20	8260	01/14/05	01/14/05	20:18	SVM	MS-V6	1	323-100578	ND	
1,1-Dichloroethane	None Detected	ug/L	0.5	0.13	8260	01/14/05	01/14/05	20:18	SVM	MS-V6	1	323-100578	ND	
1,2-Dichloroethane	None Detected	ug/L	0.5	0.25	8260	01/14/05	01/14/05	20:18	SVM	MS-V6	1	323-100578	ND	
1,1-Dichloroethene	None Detected	ug/L	0.5	0.11	8260	01/14/05	01/14/05	20:18	SVM	MS-V6	1	323-100578	ND	
cis-1,2-Dichloroethene	None Detected	ug/L	0.5	0.19	8260	01/14/05	01/14/05	20:18	SVM	MS-V6	1	323-100578	ND	
trans-1,2-Dichloroethene	None Detected	ug/L	0.5	0.19	8260	01/14/05	01/14/05	20:18	SVM	MS-V6	1	323-100578	ND	
1,2-Dichloropropane	None Detected	ug/L	0.5	0.16	8260	01/14/05	01/14/05	20:18	SVM	MS-V6	1	323-100578	ND	
1,3-Dichloropropane	None Detected	ug/L	0.5	0.18	8260	01/14/05	01/14/05	20:18	SVM	MS-V6	1	323-100578	ND	
2,2-Dichloropropane	None Detected	ug/L	0.5	0.14	8260	01/14/05	01/14/05	20:18	SVM	MS-V6	1	323-100578	ND	
1,1-Dichloropropene	None Detected	ug/L	0.5	0.18	8260	01/14/05	01/14/05	20:18	SVM	MS-V6	1	323-100578	ND	
cis-1,3-Dichloropropene	None Detected	ug/L	0.5	0.13	8260	01/14/05	01/14/05	20:18	SVM	MS-V6	1	323-100578	ND	
trans-1,3-Dichloropropene	None Detected	ug/L	0.5	0.14	8260	01/14/05	01/14/05	20:18	SVM	MS-V6	1	323-100578	ND	
Ethylbenzene	None Detected	ug/L	0.5	0.12	8260	01/14/05	01/14/05	20:18	SVM	MS-V6	1	323-100578	ND	
Hexachlorobutadiene	None Detected	ug/L	0.5	0.23	8260	01/14/05	01/14/05	20:18	SVM	MS-V6	1	323-100578	ND	
Isopropylbenzene	None Detected	ug/L	0.5	0.14	8260	01/14/05	01/14/05	20:18	SVM	MS-V6	1	323-100578	ND	
p-Isopropyltoluene	None Detected	ug/L	0.5	0.11	8260	01/14/05	01/14/05	20:18	SVM	MS-V6	1	323-100578	ND	
Methylene chloride	None Detected	ug/L	1	0.43	8260	01/14/05	01/14/05	20:18	SVM	MS-V6	1	323-100578	ND	
Naphthalene	None Detected	ug/L	0.5	0.093	8260	01/14/05	01/14/05	20:18	SVM	MS-V6	1	323-100578	ND	
n-Propylbenzene	None Detected	ug/L	0.5	0.13	8260	01/14/05	01/14/05	20:18	SVM	MS-V6	1	323-100578	ND	
Styrene	None Detected	ug/L	0.5	0.16	8260	01/14/05	01/14/05	20:18	SVM	MS-V6	1	323-100578	ND	
1,1,1,2-Tetrachloroethane	None Detected	ug/L	0.5	0.12	8260	01/14/05	01/14/05	20:18	SVM	MS-V6	1	323-100578	ND	
1,1,2,2-Tetrachloroethane	None Detected	ug/L	0.5	0.23	8260	01/14/05	01/14/05	20:18	SVM	MS-V6	1	323-100578	ND	
Tetrachloroethene	None Detected	ug/L	0.5	0.15	8260	01/14/05	01/14/05	20:18	SVM	MS-V6	1	323-100578	ND	
Toluene	None Detected	ug/L	0.5	0.15	8260	01/14/05	01/14/05	20:18	SVM	MS-V6	1	323-100578	ND	
1,2,3-Trichlorobenzene	None Detected	ug/L	0.5	0.14	8260	01/14/05	01/14/05	20:18	SVM	MS-V6	1	323-100578	ND	
1,2,4-Trichlorobenzene	None Detected	ug/L	0.5	0.060	8260	01/14/05	01/14/05	20:18	SVM	MS-V6	1	323-100578	ND	
1,1,1-Trichloroethane	None Detected	ug/L	0.5	0.16	8260	01/14/05	01/14/05	20:18	SVM	MS-V6	1	323-100578	ND	
1,1,2-Trichloroethane	None Detected	ug/L	0.5	0.099	8260	01/14/05	01/14/05	20:18	SVM	MS-V6	1	323-100578	ND	
Trichloroethene	None Detected	ug/L	0.5	0.18	8260	01/14/05	01/14/05	20:18	SVM	MS-V6	1	323-100578	ND	
Trichlorofluoromethane	None Detected	ug/L	0.5	0.20	8260	01/14/05	01/14/05	20:18	SVM	MS-V6	1	323-100578	ND	
1,2,3-Trichloropropane	None Detected	ug/L	1	0.40	8260	01/14/05	01/14/05	20:18	SVM	MS-V6	1	323-100578	ND	
1,1,2-Trichloro-1,2,2-trifluoroethane	None Detected	ug/L	0.5	0.18	8260	01/14/05	01/14/05	20:18	SVM	MS-V6	1	323-100578	ND	
1,2,4-Trimethylbenzene	None Detected	ug/L	0.5	0.11	8260	01/14/05	01/14/05	20:18	SVM	MS-V6	1	323-100578	ND	
1,3,5-Trimethylbenzene	None Detected	ug/L	0.5	0.11	8260	01/14/05	01/14/05	20:18	SVM	MS-V6	1	323-100578	ND	

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Volatile Organic Analysis (EPA Method 8260)

Sample Description	828830/02010000, AMERICAN CANYON LANDFILL, TRIP BLANK, 01/12/2005, PAUL WEINHARDT

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date	Run Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Vinyl chloride	None Detected	ug/L	0.5	0.16	8260	01/14/05	01/14/05	20:18	SVM	MS-V6	1	323-100578	ND	
Total Xylenes	None Detected	ug/L	1	0.36	8260	01/14/05	01/14/05	20:18	SVM	MS-V6	1	323-100578	ND	
Methyl t-butyl ether	None Detected	ug/L	0.5	0.12	8260	01/14/05	01/14/05	20:18	SVM	MS-V6	1	323-100578	ND	

Surrogate Compounds	Result	Units	Control Limits	Method	Prep Date	Run Date	Run Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
1,2-Dichloroethane-d4	106	%	76-114	8260	01/14/05	01/14/05	20:18	SVM	MS-V6	1	323-100578		
Toluene-d8	102	%	88-110	8260	01/14/05	01/14/05	20:18	SVM	MS-V6	1	323-100578		
4-Bromofluorobenzene	92	%	86-115	8260	01/14/05	01/14/05	20:18	SVM	MS-V6	1	323-100578		

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QUALITY CONTROL REPORT
(Instrumental & Blank Parameters)

SHAW ENVIRONMENTAL & INFRASTRUCTURE, INC
1326 NORTH MARKET BOULEVARD
SACRAMENTO, CA 95834
JULIAN ISHAM

Date of Report: 02/03/2005
Sample Matrix: Water
QC Batch ID: 200500421-1*WATER

Samples Affected: 05-00421-1 - 05-00421-5

Constituents	Method Blank Readings	Units
Total Dissolved Solids @ 180 C	<10.	mg/L

Quality Control Officer

Authorized Signature

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(Precision & Accuracy)

SHAW ENVIRONMENTAL & INFRASTRUCTURE, INC.
1326 NORTH MARKET BOULEVARD
SACRAMENTO, CA 95834
JULIAN ISHAM

Date of Report: 02/03/2005
Sample Matrix: Water
QC Batch ID: 200500421-1*WATER

Samples Affected: 05-00421-1 - 05-00421-5

Constituents	QC Sample ID	Sample Result	Sample Duplicate	Units	Sample R.P.D.	Precision Control Limits
Total Dissolved Solids @ 180 C	00379-11-B4	830.0	810.0	mg/L	2.	10

RPD = Relative Percent Difference

Quality Control Officer

Authorized Signature

BC Laboratories, Inc

B C LABORATORIES
QUALITY CONTROL REPORT
(Laboratory Control Sample)

SHAW ENVIRONMENTAL & INFRASTRUCTURE, INC.
1326 NORTH MARKET BOULEVARD
SACRAMENTO, CA 95834
JULIAN ISHAM

Date of Report: 02/03/2005
Sample Matrix: Water
QC Batch ID: 200500421-1*WATER

Samples Affected: 05-00421-1 - 05-00421-5

Constituents	QC Sample ID	Sample Result	Spike Level	Units	% Rec	Accuracy Control Limits
Total Dissolved Solids @ 180 C	LCSW2	570.00	586.	mg/L	97.	90 - 110

Quality Control Officer

Authorized Signature

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QUALITY CONTROL REPORT
(Instrumental & Blank Parameters)

SHAW ENVIRONMENTAL & INFRASTRUCTURE, INC
1326 NORTH MARKET BOULEVARD
SACRAMENTO, CA 95834
JULIAN ISHAM

Date of Report: 02/03/2005
Sample Matrix: Water
QC Batch ID: 200500421-6*WATER

Samples Affected: 05-00421-6 - 05-00421-10

Constituents	Method Blank Readings	Units
Total Dissolved Solids @ 180 C	<10.	mg/L

Quality Control Officer

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QUALITY CONTROL REPORT
(Precision & Accuracy)

SHAW ENVIRONMENTAL & INFRASTRUCTURE, INC.
1326 NORTH MARKET BOULEVARD
SACRAMENTO, CA 95834
JULIAN ISHAM

Date of Report: 02/03/2005
Sample Matrix: Water
QC Batch ID: 200500421-6*WATER

Samples Affected: 05-00421-6 - 05-00421-10

Constituents	QC Sample ID	Sample Result	Sample Duplicate	Units	Sample R.P.D.	Precision Control Limits
Total Dissolved Solids @ 180 C	00421-6-B2	18800.	17500.	mg/L	7.	10

RPD = Relative Percent Difference

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QUALITY CONTROL REPORT
(Laboratory Control Sample)

SHAW ENVIRONMENTAL & INFRASTRUCTURE, INC.
1326 NORTH MARKET BOULEVARD
SACRAMENTO, CA 95834
JULIAN ISHAM

Date of Report: 02/03/2005
Sample Matrix: Water
QC Batch ID: 200500421-6*WATER

Samples Affected: 05-00421-6 - 05-00421-10

Constituents	QC Sample ID	Sample Result	Spike Level	Units	% Rec	Accuracy Control Limits
Total Dissolved Solids @ 180 C	LCSW1	585.00	586.	mg/L	100.	90 - 110

Quality Control Officer

Authorized Signature

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B C LABORATORIES
QUALITY CONTROL REPORT
(Instrumental & Blank Parameters)

SHAW ENVIRONMENTAL & INFRASTRUCTURE, INC
1326 NORTH MARKET BOULEVARD
SACRAMENTO, CA 95834
JULIAN ISHAM

Date of Report: 02/03/2005
Sample Matrix: Water
QC Batch ID: 200500421-1*METALS

Samples Affected: 05-00421-1 - 05-00421-10

Constituents	Method Blank Readings	Units
Dissolved Arsenic	< 2.	µg/L
Dissolved Cadmium	<10.	µg/L
Dissolved Chromium	<10.	µg/L
Dissolved Copper	<10.	µg/L
Dissolved Lead	< 1.	µg/L
Dissolved Nickel	<10.	µg/L

Quality Control Officer

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QUALITY CONTROL REPORT
(Precision & Accuracy)

SHAW ENVIRONMENTAL & INFRASTRUCTURE, INC.
1326 NORTH MARKET BOULEVARD
SACRAMENTO, CA 95834
JULIAN ISHAM

Date of Report: 02/04/2005
Sample Matrix: Water
QC Batch ID: 200500421-1*METALS

Samples Affected: 05-00421-1 - 05-00421-10

Constituents	QC Sample ID	Sample Result	Sample Duplicate	MS Result	MSD Result	MS Spike Level	MSD Spike Level	Units	Sample R.P.D.	Spike R.P.D.	Precision Control Limits	MS % Rec	MSD % Rec	Accuracy Control Limits
Dissolved Arsenic	DISS-00421-1-B	127.9	114.9	882.5	855.7	510.2	510.2	µg/L	11.	3.	20	148.	143.	70 - 130
Dissolved Cadmium	DISS-421-1-B2-	<100.	98.00	2070.	2072.	2041.	2041.	µg/L	<PQL	0.	20	101.	101.	85 - 115
Dissolved Chromium	DISS-421-1-B2-	12.00	11.00	2038.	2052.	2041.	2041.	µg/L	<PQL	1.	20	99.	100.	85 - 115
Dissolved Copper	DISS-421-1-B2-	<100.	<100.	2035.	2027.	2041.	2041.	µg/L	<PQL	0.	20	100.	99.	85 - 115
Dissolved Lead	DISS-00421-1-B	< 10.	< 10.	560.7	536.4	510.2	510.2	µg/L	<PQL	4.	20	110.	105.	70 - 130
Dissolved Nickel	DISS-421-1-B2-	18.00	18.00	3733.	3766.	4082.	4082.	µg/L	<PQL	1.	20	91.	92.	85 - 115

MS = Matrix Spike; MSD = Matrix Spike Duplicate; RPD = Relative Percent Difference

The matrix spike recoveries for Dissolved Arsenic are outside QC limits.

Quality Control Officer

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QUALITY CONTROL REPORT
(Laboratory Control Sample)

SHAW ENVIRONMENTAL & INFRASTRUCTURE, INC.
1326 NORTH MARKET BOULEVARD
SACRAMENTO, CA 95834
JULIAN ISHAM

Date of Report: 02/03/2005
Sample Matrix: Water
QC Batch ID: 200500421-1*METALS

Samples Affected: 05-00421-1 - 05-00421-10

Constituents	QC Sample ID	Sample Result	Spike Level	Units	% Rec	Accuracy Control Limits
Dissolved Arsenic	LFB3-01-28	48.139	50.0	µg/L	96.	85 - 115
Dissolved Cadmium	LFB-3	223.10	200.	µg/L	112.	85 - 115
Dissolved Chromium	LFB-3	211.70	200.	µg/L	106.	85 - 115
Dissolved Copper	LFB-3	197.10	200.	µg/L	99.	85 - 115
Dissolved Lead	LFB3-01-28	50.243	50.0	µg/L	100.	85 - 115
Dissolved Nickel	LFB-3	397.20	400.	µg/L	99.	85 - 115

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QUALITY CONTROL REPORT
(Instrumental & Blank Parameters)
Method 8260

SHAW ENVIRONMENTAL & INFRASTRUCTURE, INC
1326 NORTH MARKET BOULEVARD
SACRAMENTO, CA 95834
JULIAN ISHAM

Date of Report: 01/21/2005
Sample Matrix: Water
QC Batch ID: 200500421-1*8260

Samples Affected: 05-00421-1 - 05-00421-10

Constituents	Method Blank Readings	Units
Benzene	< 0.5	µg/L
Bromobenzene	< 0.5	µg/L
Bromochloromethane	< 0.5	µg/L
Bromodichloromethane	< 0.5	µg/L
Bromoform	< 0.5	µg/L
Bromomethane	< 1.	µg/L
n-Butylbenzene	< 0.5	µg/L
sec-Butylbenzene	< 0.5	µg/L
tert-Butylbenzene	< 0.5	µg/L
Carbon tetrachloride	< 0.5	µg/L
Chlorobenzene	< 0.5	µg/L
Chloroethane	< 0.5	µg/L
Chloroform	< 0.5	µg/L
Chloromethane	< 0.5	µg/L
2-Chlorotoluene	< 0.5	µg/L
4-Chlorotoluene	< 0.5	µg/L
Dibromochloromethane	< 0.5	µg/L
1,2-Dibromo-3-Chloropropane	< 1.	µg/L
1,2-Dibromoethane	< 0.5	µg/L
Dibromomethane	< 0.5	µg/L
1,2-Dichlorobenzene	< 0.5	µg/L
1,3-Dichlorobenzene	< 0.5	µg/L
1,4-Dichlorobenzene	< 0.5	µg/L
Dichlorodifluoromethane	< 0.5	µg/L
1,1-Dichloroethane	< 0.5	µg/L
1,2-Dichloroethane	< 0.5	µg/L
1,1-Dichloroethene	< 0.5	µg/L
cis-1,2-Dichloroethene	< 0.5	µg/L
trans-1,2-Dichloroethene	< 0.5	µg/L
1,2-Dichloropropane	< 0.5	µg/L

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Method 8260

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1326 NORTH MARKET BOULEVARD
SACRAMENTO, CA 95834
JULIAN ISHAM

Date of Report: 01/21/2005
Sample Matrix: Water
QC Batch ID: 200500421-1*8260

Samples Affected: 05-00421-1 - 05-00421-10

Constituents	Method Blank Readings	Units
1,3-Dichloropropane	< 0.5	µg/L
2,2-Dichloropropane	< 0.5	µg/L
1,1-Dichloropropene	< 0.5	µg/L
cis-1,3-Dichloropropene	< 0.5	µg/L
trans-1,3-Dichloropropene	< 0.5	µg/L
Ethyl Benzene	< 0.5	µg/L
Hexachlorobutadiene	< 0.5	µg/L
Isopropylbenzene	< 0.5	µg/L
p-Isopropyltoluene	< 0.5	µg/L
Methylene Chloride	< 1.	µg/L
Naphthalene	< 0.5	µg/L
n-Propylbenzene	< 0.5	µg/L
Styrene	< 0.5	µg/L
1,1,1,2-Tetrachloroethane	< 0.5	µg/L
1,1,2,2-Tetrachloroethane	< 0.5	µg/L
Tetrachloroethene	< 0.5	µg/L
Toluene	< 0.5	µg/L
1,2,3-Trichlorobenzene	< 0.5	µg/L
1,2,4-Trichlorobenzene	< 0.5	µg/L
1,1,1-Trichloroethane	< 0.5	µg/L
1,1,2-Trichloroethane	< 0.5	µg/L
Trichloroethene	< 0.5	µg/L
Trichlorofluoromethane	< 0.5	µg/L
1,2,3-Trichloropropane	< 1.	µg/L
1,1,2-Trichloro-1,2,2-trifluoroethane	< 0.5	µg/L
1,2,4-Trimethylbenzene	< 0.5	µg/L
1,3,5-Trimethylbenzene	< 0.5	µg/L
Vinyl Chloride	< 0.5	µg/L
Total Xylenes	< 1.	µg/L

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Method 8260

SHAW ENVIRONMENTAL & INFRASTRUCTURE, INC
1326 NORTH MARKET BOULEVARD
SACRAMENTO, CA 95834
JULIAN ISHAM

Date of Report: 01/21/2005
Sample Matrix: Water
QC Batch ID: 200500421-1*8260

Samples Affected: 05-00421-1 - 05-00421-10

Constituents	Method Blank Readings	Units
Methyl-t-butylether	< 0.5	µg/L

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Method 8260

SHAW ENVIRONMENTAL & INFRASTRUCTURE, INC.
1326 NORTH MARKET BOULEVARD
SACRAMENTO, CA 95834
JULIAN ISHAM

Date of Report: 01/21/2005
Sample Matrix: Water
QC Batch ID: 200500421-1*8260

Samples Affected: 05-00421-1 - 05-00421-10

Constituents	QC Sample ID	Sample Result	MS Result	MSD Result	MS Spike Level	MSD Spike Level	Units	Spike R.P.D.	Precision Control Limits	MS % Rec	MSD % Rec	Accuracy Control Limits
Benzene	OFW-011405	< 0.5	21.74	22.25	25.00	25.00	µg/L	2.	20	87.	89.	70 - 130
Bromodichloromethane	OFW-011405	< 0.5	30.06	30.01	25.00	25.00	µg/L	0.	20	120.	120.	70 - 130
Chlorobenzene	OFW-011405	< 0.5	24.77	24.73	25.00	25.00	µg/L	0.	20	99.	99.	70 - 130
Chloroethane	OFW-011405	< 0.5	25.88	26.12	25.00	25.00	µg/L	1.	20	104.	104.	70 - 130
1,4-Dichlorobenzene	OFW-011405	< 0.5	28.85	28.91	25.00	25.00	µg/L	0.	20	115.	116.	70 - 130
1,1-Dichloroethane	OFW-011405	< 0.5	24.47	24.89	25.00	25.00	µg/L	2.	20	98.	100.	70 - 130
1,1-Dichloroethene	OFW-011405	< 0.5	24.60	24.79	25.00	25.00	µg/L	1.	20	98.	99.	70 - 130
Toluene	OFW-011405	< 0.5	25.78	25.89	25.00	25.00	µg/L	0.	20	103.	104.	70 - 130
Trichloroethene	OFW-011405	< 0.5	28.21	28.10	25.00	25.00	µg/L	0.	20	113.	112.	70 - 130

MS = Matrix Spike; MSD = Matrix Spike Duplicate; RPD = Relative Percent Difference

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(Laboratory Control Sample)
Method 8260

SHAW ENVIRONMENTAL & INFRASTRUCTURE, INC.
1326 NORTH MARKET BOULEVARD
SACRAMENTO, CA 95834
JULIAN ISHAM

Date of Report: 01/21/2005
Sample Matrix: Water
QC Batch ID: 200500421-1*8260

Samples Affected: 05-00421-1 - 05-00421-10

Constituents	QC Sample ID	Sample Result	Spike Level	Units	% Rec	Accuracy Control Limits
Benzene	LCSW1	21.71	25.00	µg/L	87.	70 - 130
Bromodichloromethane	LCSW1	29.72	25.00	µg/L	119.	70 - 130
Chlorobenzene	LCSW1	24.91	25.00	µg/L	100.	70 - 130
Chloroethane	LCSW1	25.75	25.00	µg/L	103.	70 - 130
1,4-Dichlorobenzene	LCSW1	28.76	25.00	µg/L	115.	70 - 130
1,1-Dichloroethane	LCSW1	24.38	25.00	µg/L	98.	70 - 130
1,1-Dichloroethene	LCSW1	24.21	25.00	µg/L	97.	70 - 130
Toluene	LCSW1	25.06	25.00	µg/L	100.	70 - 130
Trichloroethene	LCSW1	27.99	25.00	µg/L	112.	70 - 130

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Method 8260

SHAW ENVIRONMENTAL & INFRASTRUCTURE, INC
1326 NORTH MARKET BOULEVARD
SACRAMENTO, CA 95834
JULIAN ISHAM

Date of Report: 01/21/2005
Sample Matrix: Water
QC Batch ID: 200500421-11*8260

Samples Affected: 05-00421-11 - 04-00421-12

Constituents	Method Blank Readings	Units
Benzene	< 0.5	µg/L
Bromobenzene	< 0.5	µg/L
Bromochloromethane	< 0.5	µg/L
Bromodichloromethane	< 0.5	µg/L
Bromoform	< 0.5	µg/L
Bromomethane	< 1.	µg/L
n-Butylbenzene	< 0.5	µg/L
sec-Butylbenzene	< 0.5	µg/L
tert-Butylbenzene	< 0.5	µg/L
Carbon tetrachloride	< 0.5	µg/L
Chlorobenzene	< 0.5	µg/L
Chloroethane	< 0.5	µg/L
Chloroform	< 0.5	µg/L
Chloromethane	< 0.5	µg/L
2-Chlorotoluene	< 0.5	µg/L
4-Chlorotoluene	< 0.5	µg/L
Dibromochloromethane	< 0.5	µg/L
1,2-Dibromo-3-Chloropropane	< 1.	µg/L
1,2-Dibromoethane	< 0.5	µg/L
Dibromomethane	< 0.5	µg/L
1,2-Dichlorobenzene	< 0.5	µg/L
1,3-Dichlorobenzene	< 0.5	µg/L
1,4-Dichlorobenzene	< 0.5	µg/L
Dichlorodifluoromethane	< 0.5	µg/L
1,1-Dichloroethane	< 0.5	µg/L
1,2-Dichloroethane	< 0.5	µg/L
1,1-Dichloroethene	< 0.5	µg/L
cis-1,2-Dichloroethene	< 0.5	µg/L
trans-1,2-Dichloroethene	< 0.5	µg/L
1,2-Dichloropropane	< 0.5	µg/L

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(Instrumental & Blank Parameters)
Method 8260

SHAW ENVIRONMENTAL & INFRASTRUCTURE, INC
1326 NORTH MARKET BOULEVARD
SACRAMENTO, CA 95834
JULIAN ISHAM

Date of Report: 01/21/2005
Sample Matrix: Water
QC Batch ID: 200500421-11*8260

Samples Affected: 05-00421-11 - 04-00421-12

Constituents	Method Blank Readings	Units
1,3-Dichloropropane	< 0.5	µg/L
2,2-Dichloropropane	< 0.5	µg/L
1,1-Dichloropropene	< 0.5	µg/L
cis-1,3-Dichloropropene	< 0.5	µg/L
trans-1,3-Dichloropropene	< 0.5	µg/L
Ethyl Benzene	< 0.5	µg/L
Hexachlorobutadiene	< 0.5	µg/L
Isopropylbenzene	< 0.5	µg/L
p-Isopropyltoluene	< 0.5	µg/L
Methylene Chloride	< 1.	µg/L
Naphthalene	< 0.5	µg/L
n-Propylbenzene	< 0.5	µg/L
Styrene	< 0.5	µg/L
1,1,1,2-Tetrachloroethane	< 0.5	µg/L
1,1,2,2-Tetrachloroethane	< 0.5	µg/L
Tetrachloroethene	< 0.5	µg/L
Toluene	< 0.5	µg/L
1,2,3-Trichlorobenzene	< 0.5	µg/L
1,2,4-Trichlorobenzene	< 0.5	µg/L
1,1,1-Trichloroethane	< 0.5	µg/L
1,1,2-Trichloroethane	< 0.5	µg/L
Trichloroethene	< 0.5	µg/L
Trichlorofluoromethane	< 0.5	µg/L
1,2,3-Trichloropropane	< 1.	µg/L
1,1,2-Trichloro-1,2,2-trifluoroethane	< 0.5	µg/L
1,2,4-Trimethylbenzene	< 0.5	µg/L
1,3,5-Trimethylbenzene	< 0.5	µg/L
Vinyl Chloride	< 0.5	µg/L
Total Xylenes	< 1.	µg/L

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Method 8260

SHAW ENVIRONMENTAL & INFRASTRUCTURE, INC
1326 NORTH MARKET BOULEVARD
SACRAMENTO, CA 95834
JULIAN ISHAM

Date of Report: 01/21/2005
Sample Matrix: Water
QC Batch ID: 200500421-11*8260

Samples Affected: 05-00421-11 - 04-00421-12

Constituents	Method Blank Readings	Units
Methyl-t-butylether	< 0.5	µg/L

Quality Control Officer

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1326 NORTH MARKET BOULEVARD
SACRAMENTO, CA 95834
JULIAN ISHAM

Date of Report: 01/21/2005
Sample Matrix: Water
QC Batch ID: 200500421-11*8260

Samples Affected: 05-00421-11 - 04-00421-12

Constituents	QC Sample ID	Sample Result	MS Result	MSD Result	MS Spike Level	MSD Spike Level	Units	Spike R.P.D.	Precision Control Limits	MS % Rec	MSD % Rec	Accuracy Control Limits
Benzene	OFW-011205	< 0.5	22.67	23.11	25.00	25.00	µg/L	2.	20	91.	92.	70 - 130
Bromodichloromethane	OFW-011205	< 0.5	28.19	28.15	25.00	25.00	µg/L	0.	20	113.	113.	70 - 130
Chlorobenzene	OFW-011205	< 0.5	24.32	24.19	25.00	25.00	µg/L	1.	20	97.	97.	70 - 130
Chloroethane	OFW-011205	< 0.5	25.29	26.10	25.00	25.00	µg/L	3.	20	101.	104.	70 - 130
1,4-Dichlorobenzene	OFW-011205	< 0.5	27.12	27.34	25.00	25.00	µg/L	1.	20	108.	109.	70 - 130
1,1-Dichloroethane	OFW-011205	< 0.5	25.02	25.00	25.00	25.00	µg/L	0.	20	100.	100.	70 - 130
1,1-Dichloroethene	OFW-011205	< 0.5	25.11	25.49	25.00	25.00	µg/L	2.	20	100.	102.	70 - 130
Toluene	OFW-011205	< 0.5	24.91	24.94	25.00	25.00	µg/L	0.	20	100.	100.	70 - 130
Trichloroethene	OFW-011205	< 0.5	27.49	27.69	25.00	25.00	µg/L	1.	20	110.	111.	70 - 130

MS = Matrix Spike; MSD = Matrix Spike Duplicate; RPD = Relative Percent Difference

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QUALITY CONTROL REPORT
(Laboratory Control Sample)
Method 8260

SHAW ENVIRONMENTAL & INFRASTRUCTURE, INC.
1326 NORTH MARKET BOULEVARD
SACRAMENTO, CA 95834
JULIAN ISHAM

Date of Report: 01/24/2005
Sample Matrix: Water
QC Batch ID: 200500421-11*8260

Samples Affected: 05-00421-11 - 04-00421-12

Constituents	QC Sample ID	Sample Result	Spike Level	Units	% Rec	Accuracy Control Limits
Benzene	LCSW1	22.94	25.00	µg/L	92.	70 - 130
Bromodichloromethane	LCSW1	27.84	25.00	µg/L	111.	70 - 130
Chlorobenzene	LCSW1	25.03	25.00	µg/L	100.	70 - 130
Chloroethane	LCSW1	25.91	25.00	µg/L	104.	70 - 130
1,4-Dichlorobenzene	LCSW1	27.79	25.00	µg/L	111.	70 - 130
1,1-Dichloroethane	LCSW1	24.84	25.00	µg/L	99.	70 - 130
1,1-Dichloroethene	LCSW1	25.11	25.00	µg/L	100.	70 - 130
Toluene	LCSW1	25.14	25.00	µg/L	101.	70 - 130
Trichloroethene	LCSW1	26.78	25.00	µg/L	107.	70 - 130

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QUALITY CONTROL REPORT
(Precision & Accuracy)
Method 8270

SHAW ENVIRONMENTAL & INFRASTRUCTURE, INC.
1326 NORTH MARKET BOULEVARD
SACRAMENTO, CA 95834
JULIAN ISHAM

Date of Report: 01/27/2005
Sample Matrix: Water
QC Batch ID: 200500421-3*8270

Samples Affected: 05-00421-3, 05-00421-5

Constituents	QC Sample ID	Sample Result	MS Result	MSD Result	MS Spike Level	MSD Spike Level	Units	Spike R.P.D.	Precision Control Limits	MS % Rec	MSD % Rec	Accuracy Control Limits
Acenaphthene	SDI1-PB1-01-14	< 2.	56.45	56.00	80.00	80.00	µg/L	1.	21	71.	70.	47 - 115
1,4-Dichlorobenzene	SDI1-PB1-01-14	< 2.	56.94	54.92	80.00	80.00	µg/L	4.	22	71.	69.	47 - 109
2,4-Dinitrotoluene	SDI1-PB1-01-14	< 2.	57.39	57.60	80.00	80.00	µg/L	0.	21	72.	72.	45 - 128
Hexachlorobenzene	SDI1-PB1-01-14	< 2.	69.16	71.17	80.00	80.00	µg/L	3.	23	86.	89.	33 - 145
Hexachlorobutadiene	SDI1-PB1-01-14	< 2.	53.84	52.55	80.00	80.00	µg/L	2.	23	67.	66.	38 - 104
Hexachloroethane	SDI1-PB1-01-14	< 2.	62.07	60.60	80.00	80.00	µg/L	2.	25	78.	76.	33 - 119
Nitrobenzene	SDI1-PB1-01-14	< 2.	58.08	57.41	80.00	80.00	µg/L	1.	20	73.	72.	50 - 121
N-Nitrosodi-n-propylamine	SDI1-PB1-01-14	< 2.	74.28	75.10	80.00	80.00	µg/L	1.	24	93.	94.	46 - 108
Pyrene	SDI1-PB1-01-14	< 2.	66.91	67.28	80.00	80.00	µg/L	1.	30	84.	84.	27 - 150
1,2,4-Trichlorobenzene	SDI1-PB1-01-14	< 2.	61.07	60.23	80.00	80.00	µg/L	1.	21	76.	75.	46 - 110
4-Chloro-3-methylphenol	SDI1-PB1-01-14	< 5.	67.06	65.63	80.00	80.00	µg/L	2.	20	84.	82.	51 - 129
2-Chlorophenol	SDI1-PB1-01-14	< 2.	58.91	57.76	80.00	80.00	µg/L	2.	22	74.	72.	45 - 116
2-Methylphenol	SDI1-PB1-01-14	< 2.	59.11	58.34	80.00	80.00	µg/L	1.	20	74.	73.	47 - 118
3- & 4-Methylphenol	SDI1-PB1-01-14	< 2.	62.05	61.39	80.00	80.00	µg/L	1.	24	78.	77.	44 - 106
4-Nitrophenol	SDI1-PB1-01-14	< 2.	39.51	41.21	80.00	80.00	µg/L	4.	23	49.	52.	14 - 081
Pentachlorophenol	SDI1-PB1-01-14	< 10.	75.60	75.57	80.00	80.00	µg/L	0.	26	95.	94.	37 - 161
Phenol	SDI1-PB1-01-14	< 2.	33.82	33.07	80.00	80.00	µg/L	2.	24	42.	41.	20 - 070
2,4,6-Trichlorophenol	SDI1-PB1-01-14	< 5.	60.45	60.62	80.00	80.00	µg/L	0.	23	76.	76.	48 - 139

MS = Matrix Spike; MSD = Matrix Spike Duplicate; RPD = Relative Percent Difference

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QUALITY CONTROL REPORT
(Instrumental & Blank Parameters)
Method 8270

SHAW ENVIRONMENTAL & INFRASTRUCTURE, INC
1326 NORTH MARKET BOULEVARD
SACRAMENTO, CA 95834
JULIAN ISHAM

Date of Report: 01/27/2005
Sample Matrix: Water
QC Batch ID: 200500421-3*8270

Samples Affected: 05-00421-3, 05-00421-5

Constituents	Method Blank Readings	Units
Acenaphthene	< 2.	µg/L
Acenaphthylene	< 2.	µg/L
Aldrin	< 2.	µg/L
Aniline	< 5.	µg/L
Anthracene	< 2.	µg/L
Benzidine	<20.	µg/L
Benzo (a) anthracene	< 2.	µg/L
Benzo (b) fluoranthene	< 2.	µg/L
Benzo (k) fluoranthene	< 2.	µg/L
Benzo (a) pyrene	< 2.	µg/L
Benzo (ghi) perylene	< 2.	µg/L
Benzoic Acid	<10.	µg/L
Benzyl alcohol	< 2.	µg/L
Butyl Benzyl phthalate	< 2.	µg/L
alpha-BHC	< 2.	µg/L
beta-BHC	< 2.	µg/L
delta-BHC	< 2.	µg/L
gamma-BHC	< 2.	µg/L
bis(2-chloroethyl)ether	< 2.	µg/L
bis(2-chloroethoxy)methane	< 2.	µg/L
bis(2-chloro-1-methylethyl) et	< 2.	µg/L
bis(2-ethylhexyl)phthalate	< 5.	µg/L
4-Bromophenyl phenyl ether	< 2.	µg/L
4-Chloroaniline	< 2.	µg/L
2-Chloronaphthalene	< 2.	µg/L
4-Chlorophenyl phenyl ether	< 2.	µg/L
Chrysene	< 2.	µg/L
4,4-DDD'	< 2.	µg/L
4,4-DDE'	< 3.	µg/L
4,4-DDT'	< 2.	µg/L

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JULIAN ISHAM

Date of Report: 01/27/2005
Sample Matrix: Water
QC Batch ID: 200500421-3*8270

Samples Affected: 05-00421-3, 05-00421-5

Constituents	Method Blank Readings	Units
Dibenzo (a,h) anthracene	< 3.	µg/L
Dibenzofuran	< 2.	µg/L
Di-n-butyl phthalate	< 2.	µg/L
1,2-Dichlorobenzene	< 2.	µg/L
1,3-Dichlorobenzene	< 2.	µg/L
1,4-Dichlorobenzene	< 2.	µg/L
3,3-Dichlorobenzidine	<10.	µg/L
Dieldrin	< 3.	µg/L
Diethyl phthalate	< 2.	µg/L
Dimethyl phthalate	< 2.	µg/L
2,4-Dinitrotoluene	< 2.	µg/L
2,6-Dinitrotoluene	< 2.	µg/L
Di-n-octylphthalate	< 2.	µg/L
1,2-Diphenylhydrazine	< 2.	µg/L
Endosulfan I	<10.	µg/L
Endosulfan II	<10.	µg/L
Endosulfan sulfate	< 3.	µg/L
Endrin	< 2.	µg/L
Endrin aldehyde	<10.	µg/L
Fluoranthene	< 2.	µg/L
Fluorene	< 2.	µg/L
Heptachlor	< 2.	µg/L
Heptachlor epoxide	< 2.	µg/L
Hexachlorobenzene	< 2.	µg/L
Hexachlorobutadiene	< 2.	µg/L
Hexachlorocyclopentadiene	< 2.	µg/L
Hexachloroethane	< 2.	µg/L
Indeno (1,2,3-cd) pyrene	< 2.	µg/L
Isophorone	< 2.	µg/L
2-Methylnaphthalene	< 2.	µg/L

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Method 8270

SHAW ENVIRONMENTAL & INFRASTRUCTURE, INC
1326 NORTH MARKET BOULEVARD
SACRAMENTO, CA 95834
JULIAN ISHAM

Date of Report: 01/27/2005
Sample Matrix: Water
QC Batch ID: 200500421-3*8270

Samples Affected: 05-00421-3, 05-00421-5

Constituents	Method Blank Readings	Units
Naphthalene	< 2.	µg/L
2-Naphthylamine	<20.	µg/L
2-Nitroaniline	< 2.	µg/L
3-Nitroaniline	< 2.	µg/L
4-Nitroaniline	< 5.	µg/L
Nitrobenzene	< 2.	µg/L
n-Nitrosodimethylamine	< 2.	µg/L
n-Nitrosodiphenylamine	< 2.	µg/L
N-Nitrosodi-n-propylamine	< 2.	µg/L
Phenanthrene	< 2.	µg/L
Pyrene	< 2.	µg/L
1,2,4-Trichlorobenzene	< 2.	µg/L
4-Chloro-3-methylphenol	< 5.	µg/L
2-Chlorophenol	< 2.	µg/L
2,4-Dichlorophenol	< 2.	µg/L
2,4-Dimethylphenol	< 2.	µg/L
2,4-Dinitrophenol	<10.	µg/L
2-Methyl-4,6-dinitrophenol	<10.	µg/L
2-Methylphenol	< 2.	µg/L
3- & 4-Methylphenol	< 2.	µg/L
2-Nitrophenol	< 2.	µg/L
4-Nitrophenol	< 2.	µg/L
Pentachlorophenol	<10.	µg/L
Phenol	< 2.	µg/L
2,4,5-Trichlorophenol	< 5.	µg/L
2,4,6-Trichlorophenol	< 5.	µg/L

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QUALITY CONTROL REPORT
(Instrumental & Blank Parameters)
Method 8270

SHAW ENVIRONMENTAL & INFRASTRUCTURE, INC
1326 NORTH MARKET BOULEVARD
SACRAMENTO, CA 95834
JULIAN ISHAM

Date of Report: 01/27/2005
Sample Matrix: Water
QC Batch ID: 200500421-3*8270

Samples Affected: 05-00421-3, 05-00421-5

Quality Control Officer

Authorized Signature

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B C LABORATORIES
QUALITY CONTROL REPORT
(Laboratory Control Sample)
Method 8270

SHAW ENVIRONMENTAL & INFRASTRUCTURE, INC.
1326 NORTH MARKET BOULEVARD
SACRAMENTO, CA 95834
JULIAN ISHAM

Date of Report: 01/27/2005
Sample Matrix: Water
QC Batch ID: 200500421-3*8270

Samples Affected: 05-00421-3, 05-00421-5

Constituents	QC Sample ID	Sample Result	Spike Level	Units	% Rec	Accuracy Control Limits
Acenaphthene	SDI1-LCSW1	53.98	80.00	µg/L	67.	36 - 127
1,4-Dichlorobenzene	SDI1-LCSW1	54.50	80.00	µg/L	68.	54 - 108
2,4-Dinitrotoluene	SDI1-LCSW1	53.95	80.00	µg/L	67.	50 - 125
Hexachlorobenzene	SDI1-LCSW1	68.24	80.00	µg/L	85.	66 - 128
Hexachlorobutadiene	SDI1-LCSW1	52.20	80.00	µg/L	65.	33 - 110
Hexachloroethane	SDI1-LCSW1	60.09	80.00	µg/L	75.	32 - 121
Nitrobenzene	SDI1-LCSW1	55.01	80.00	µg/L	69.	54 - 112
N-Nitrosodi-n-propylamine	SDI1-LCSW1	74.53	80.00	µg/L	93.	55 - 112
Pyrene	SDI1-LCSW1	61.34	80.00	µg/L	77.	44 - 164
1,2,4-Trichlorobenzene	SDI1-LCSW1	59.66	80.00	µg/L	75.	46 - 111
4-Chloro-3-methylphenol	SDI1-LCSW1	64.05	80.00	µg/L	80.	62 - 121
2-Chlorophenol	SDI1-LCSW1	58.21	80.00	µg/L	73.	59 - 108
2-Methylphenol	SDI1-LCSW1	57.77	80.00	µg/L	72.	59 - 112
3- & 4-Methylphenol	SDI1-LCSW1	60.65	80.00	µg/L	76.	55 - 103
4-Nitrophenol	SDI1-LCSW1	39.75	80.00	µg/L	50.	27 - 079
Pentachlorophenol	SDI1-LCSW1	73.67	80.00	µg/L	92.	37 - 156
Phenol	SDI1-LCSW1	33.24	80.00	µg/L	42.	27 - 060
2,4,6-Trichlorophenol	SDI1-LCSW1	57.89	80.00	µg/L	72.	36 - 148

Quality Control Officer

Authorized Signature

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APPENDIX E

TOLERANCE INTERVAL AND TREND ANALYSIS METHODS

APPENDIX E
TOLERANCE INTERVAL AND TREND ANALYSIS METHODS

Tolerance Interval Method

The purpose of a tolerance interval approach is to define a concentration range from background well data, within which a large proportion of the monitoring observations should fall with a high probability. The proportion of the population included is referred to as the coverage. The probability with which the tolerance interval includes the proportion of the population is referred to as the tolerance coefficient.

IT/EMCON uses Sanitas® to calculate tolerance limits for American Canyon Sanitary Landfill. Sanitas is a statistical software program developed by IDT. It is specifically designed to evaluate water quality monitoring data for landfills. Sanitas performs all pre- and post-analysis tests required so that the data do not violate size and distribution assumptions of the relevant statistical analysis.

Consistent with the USEPA and state recommendations, Sanitas uses a 95 percent coverage and 95 percent tolerance coefficient. The upper 95 percent tolerance limit will contain at least 95 percent of the distribution of observations from background well data. The tolerance interval method is described in the following documents:

- Introduction to Statistical Quality Control, D.C. Montgomery. John Wiley Publishing, New York. 1985.

- Statistical Analysis of Groundwater Monitoring Data at RCRA Facilities, Interim Final Guidance Document, USEPA. EPA/530-SW-89-026. April 1989.

- Statistical Analysis of Groundwater Monitoring Data at RCRA Facilities, Addendum to Interim Final Guidance, USEPA. EPA/530-R-93-003. July 1992.

Parametric Tolerance Limit. When conducting the tolerance interval method, Sanitas automatically evaluates the distribution of the data. Within Sanitas, IT/EMCON selects the Coefficient of Variation Test for normality to be applied[1]. Sanitas applies the parametric tolerance limit test when the background data set is found to have less than 50 percent nondetects and the background data have a normal or transformed normal distribution. If greater than 15 percent but less than 50 percent of the background data set consist of nondetect values, the mean and standard deviation of the data set are automatically adjusted by Sanitas using the Aitchson's Method; the tolerance limit is then calculated using the adjusted values.

Nonparametric Tolerance Limit. When the background data set contains greater than 50 percent but less than 100 percent nondetect values and/or its distribution is not normal (or transformed normal), Sanitas applies the nonparametric tolerance limit method. However, this method requires a large number of samples to achieve a false positive rate of 1 percent or less, which is the false positive rate required by CCR Title 27. Thus, nonparametric values are tentative limits only.

Trend Analysis

Sen's Slope measures the change in constituent concentrations per unit time. Sen's method is not greatly affected by outliers, and the slope can be computed when data are missing. Sen's estimator is closely related to the Mann-Kendall test, which is a nonparametric rank correlation test for trend. The test uses only the relative magnitudes of the data rather than their actual values; therefore, missing values are allowed. Sen's Slope and the Mann-Kendall tests are described in "Statistical Methods for Environmental Pollution Monitoring," Richard O. Gilbert, Van Nostrand Reinhold, New York, 1987. The Mann-Kendall test is recommended in "An Evaluation of Trend Detection Techniques for Use in Water Quality Monitoring Programs," Jim C. Loftis, et al., (USEPA) 1989.

Only data detected at least four times above the PQL are evaluated. Trace values used are the estimated values from the certified analytical reports. A trend analysis was conducted only on data collected from the point data was detected above the MDL.

For the American Canyon Sanitary Landfill, the null hypothesis is "no statistically significant trend in constituent concentrations." IT/EMCON rejected the null hypothesis if trends in the monitoring data were significant at $\alpha = 0.05$, which is the probability of rejecting the null hypothesis of no trend when it is true (i.e., a Type 1 error).

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[1] The Coefficient of Variation Test is an approved method for distributional assumptions as referenced in "Statistical Analysis of Groundwater Monitoring Data at RCRA Facilities, Interim Final Guidance Document."

IT/EMCON uses Sanitas to calculate both the Sen's Slope and the Mann-Kendall test for trends.

Prior to conducting a Sen's Slope/Mann-Kendall analysis, the data is evaluated for seasonality using the Kruskal-Wallis test at the 95 percent confidence level. As described in USEPA "Statistical Analysis of Groundwater Monitoring Data at RCRA Facilities," April 1989, the seasonality test determines at 0.05 alpha level if the data is likely affected by seasons. If so determined, the data is deseasonalized prior to conducting the Sen's Slope/Mann-Kendall test. The results of the seasonality tests showing the original and deseasonalized data, are presented with the trend analysis Sanitas output.

Inter-Well Tolerance Limit Summary

Date: 3/23/05, 10:20 PM

Facility: American Canyon LF

Data File: AC_SW

Client: EMCON

Constituent	Well	Limit	Lower Lim.	Date	Observ.	Exceeds	Bg N	%NDs	ND Adj.	Transform	Alpha	Method
Cadmium (mg/l)	S-2	0.15	n/a	01/12/2005	0.009	No	36	80.56	n/a	n/a	0.1578	NP (NDs)
Chromium Total (mg/l)	S-2	0.25	n/a	01/12/2005	0.007	No	40	70	n/a	n/a	0.1285	NP (NDs)
TDS (mg/l)	S-2	33000	n/a	01/12/2005	4200	No	32	0	No	non-	0.01	Param.
pH (units)	S-2	9.3	5.3	01/12/2005	6.46	No	42	0	No	non-	0.005	Param.
Arsenic (mg/l)	S-2	0.1	n/a	01/12/2005	0.0042	No	42	42.86	Yes	cube root(x)	0.01	Param.
Copper (mg/l)	S-2	0.059	n/a	01/12/2005	0.043	No	36	44.44	Yes	square root(x)	0.01	Param.
Lead (mg/l)	S-2	0.01	n/a	01/12/2005	0.0012	No	32	50	Yes	square root(x)	0.01	Param.
Nickel (mg/l)	S-2	0.14	n/a	01/12/2005	0.014	No	34	50	Yes	square root(x)	0.01	Param.

Outlier Analysis Summary

Date: 3/23/05, 10:17 PM

Facility: American Canyon LF

Data File: AC_SW

Client: EMCON

Constituent	Well	Outlier	N	Mean	Std. Dev.	Tn	Value	Distribution
Arsenic (mg/l)	S-1	No	42	-5.572	1.571	2.887	n/a	log-normal
Cadmium (mg/l)	S-1	No	36	-5.78	1.965	2.823	n/a	log-normal
Chromium Total (mg/l)	S-1	No	40	-5.17	1.373	2.866	n/a	log-normal
Copper (mg/l)	S-1	No	36	-4.83	1.318	2.823	n/a	log-normal
Lead (mg/l)	S-1	No	32	-6.709	1.533	2.773	n/a	log-normal
Nickel (mg/l)	S-1	No	34	-4.362	1.459	2.799	n/a	log-normal
TDS (mg/l)	S-1	No	32	8.753	1.243	2.773	n/a	normal
pH (units)	S-1	No	42	1.983	0.101	2.887	n/a	normal

Sen's Slope/Mann Kendall Summary

Date: 3/23/05, 10:57 PM

Facility: American Canyon LF

Data File: AC_INORG

Client: EMCON

Constituent	Well	Slope	Mann-K.	Critical	Trend	N	Alpha
Arsenic (mg/l)	**G-1**	**0.006**	**5.038**	**2.575**	**Yes**	**41**	**0.01**
Arsenic (mg/l)	**G-3A**	**0.004**	**4.557**	**2.575**	**Yes**	**42**	**0.01**
Arsenic (mg/l)	**G-8**	**0.006**	**4.208**	**2.575**	**Yes**	**42**	**0.01**
Arsenic (mg/l)	**G-10**	**0.003**	**3.58**	**2.575**	**Yes**	**42**	**0.01**
Cadmium (mg/l)	G-1	0.001	180	191	No	36	0.01
Cadmium (mg/l)	**G-3A**	**0.001**	**240**	**199**	**Yes**	**37**	**0.01**
Cadmium (mg/l)	**G-8**	**0.001**	**226**	**191**	**Yes**	**36**	**0.01**
Cadmium (mg/l)	G-10	0.001	181	184	No	35	0.01
Chromium Total (mg/l)	**G-1**	**0.002**	**3.096**	**2.575**	**Yes**	**41**	**0.01**
Chromium Total (mg/l)	**G-3A**	**0.001**	**2.719**	**2.575**	**Yes**	**43**	**0.01**
Chromium Total (mg/l)	G-8	-0.001	-0.7381	-2.575	No	42	0.01
Chromium Total (mg/l)	**G-10**	**0.002**	**2.717**	**2.575**	**Yes**	**42**	**0.01**
Copper (mg/l)	G-1	0.001	182	191	No	36	0.01
Copper (mg/l)	G-3A	0.001	161	184	No	35	0.01
Copper (mg/l)	G-8	0.001	144	191	No	36	0.01
Copper (mg/l)	G-10	0.001	103	191	No	36	0.01
Lead (mg/l)	G-1	0	-162	-191	No	36	0.01
Lead (mg/l)	**G-3A**	**0**	**-192**	**-191**	**Yes**	**36**	**0.01**
Lead (mg/l)	**G-10**	**0**	**-208**	**-191**	**Yes**	**36**	**0.01**
Nickel (mg/l)	G-1	0.001	84	191	No	36	0.01
Nickel (mg/l)	G-3A	0.001	122	199	No	37	0.01
Nickel (mg/l)	G-8	0	-10	-191	No	36	0.01
Nickel (mg/l)	G-10	-0.002	-145	-191	No	36	0.01
TDS (mg/l)	G-1	-137.2	-41	-184	No	35	0.01
TDS (mg/l)	G-3A	13.42	20	184	No	35	0.01
TDS (mg/l)	G-8	153.8	92	184	No	35	0.01
TDS (mg/l)	G-10	105.8	96	199	No	37	0.01
pH (units)	G-1	0.017	0.9843	2.575	No	43	0.01
pH (units)	**G-3A**	**0.045**	**3.55**	**2.575**	**Yes**	**43**	**0.01**
pH (units)	G-8	0.018	0.9759	2.575	No	42	0.01
pH (units)	**G-10**	**0.072**	**2.723**	**2.575**	**Yes**	**43**	**0.01**

Sen's Slope/Mann Kendall Summary

Date: 3/23/05, 10:51 PM

Facility: American Canyon LF

Data File: AC_VOC

Client: EMCON

Constituent	Well	Slope	Mann-K.	Critical	Trend	N	Alpha
MC (ug/l)	**G-1**	**-0.057**	**-3.573**	**-2.575**	**Yes**	**54**	**0.01**
Benzene (ug/l)	**G-1**	**-0.026**	**-4.088**	**-2.575**	**Yes**	**51**	**0.01**
Toluene (ug/l)	**G-1**	**-0.021**	**-3.569**	**-2.575**	**Yes**	**51**	**0.01**
Xylenes (ug/l)	G-1	-0.026	-2.425	-2.575	No	46	0.01
124TMB (ug/l)	G-1	-0.003	-46	-111	No	25	0.01
MC (ug/l)	**G-3A**	**-0.056**	**-3.239**	**-2.575**	**Yes**	**53**	**0.01**
Benzene (ug/l)	G-3A	-0.016	-1.737	-2.575	No	57	0.01
Toluene (ug/l)	G-3A	-0.004	-66	-176	No	34	0.01
Chlorobenzene (ug/l)	G-3A	-0.134	-1.734	-2.575	No	57	0.01
Xylenes (ug/l)	G-3A	0.011	75	139	No	29	0.01
Acetone (ug/l)	G-3A	0.505	40	167	No	33	0.01
Naphthalene (ug/l)	G-3A	-0.03	-98	-176	No	34	0.01
124TMB (ug/l)	G-3A	-0.002	-48	-176	No	34	0.01
12DCB (ug/l)	G-3A	-0.004	-121	-176	No	34	0.01
13DCB (ug/l)	G-3A	-0.011	-130	-176	No	34	0.01
14DCB (ug/l)	G-3A	-0.019	-132	-176	No	34	0.01
Isopropylbenzene (ug/l)	G-3A	-0.012	-47	-176	No	34	0.01
nPropylbenzene (ug/l)	G-3A	-0.007	-141	-176	No	34	0.01
MTBE (ug/l)	G-3A	-0.005	-12	-34	No	11	0.01
MC (ug/l)	**G-8**	**-0.096**	**-3.307**	**-2.575**	**Yes**	**53**	**0.01**
Benzene (ug/l)	**G-8**	**-0.042**	**-2.689**	**-2.575**	**Yes**	**57**	**0.01**
Toluene (ug/l)	**G-8**	**-0.1**	**-4.702**	**-2.575**	**Yes**	**57**	**0.01**
Ethylbenzene (ug/l)	G-8	-0.024	-1.391	-2.575	No	57	0.01
Xylenes (ug/l)	G-8	-0.175	-1.755	-2.575	No	52	0.01
Acetone (ug/l)	G-8	0	-9	-139	No	29	0.01
Naphthalene (ug/l)	G-8	-1.977	-1.973	-2.575	No	42	0.01
124TMB (ug/l)	**G-8**	**-0.064**	**-233**	**-214**	**Yes**	**39**	**0.01**
135TMB (ug/l)	**G-8**	**-0.059**	**-251**	**-199**	**Yes**	**37**	**0.01**
14DCB (ug/l)	G-8	-0.005	-148	-161	No	32	0.01
Isopropylbenzene (ug/l)	**G-8**	**-0.021**	**-252**	**-176**	**Yes**	**34**	**0.01**
nPropylbenzene (ug/l)	**G-8**	**-0.015**	**-214**	**-167**	**Yes**	**33**	**0.01**
pIsopropyltoluene (ug/l)	**G-8**	**-0.012**	**-163**	**-139**	**Yes**	**29**	**0.01**

Sen's Slope/Mann Kendall Summary

Date: 3/23/05, 10:51 PM

Facility: American Canyon LF

Data File: AC_VOC

Client: EMCON

Constituent	Well	Slope	Mann-K.	Critical	Trend	N	Alpha
MC (ug/l)	G-10	-0.007	-52	-118	No	26	0.01
Acetone (ug/l)	G-10	0.326	64	176	No	34	0.01
Naphthalene (ug/l)	G-10	-0.025	-192	-214	No	39	0.01

Seasonality Summary

Date: 3/23/05, 10:57 PM

Facility: American Canyon LF

Data File: AC_INORG

Client: EMCON

Constituent	Well	Seasonality	K.-W.	Chi-Sq.	df	N	Alpha
Arsenic (mg/l)	G-1	no	1.914	7.815	3	41	0.05
Arsenic (mg/l)	G-3A	no	1.992	7.815	3	42	0.05
Arsenic (mg/l)	G-8	no	3.203	7.815	3	42	0.05
Arsenic (mg/l)	G-10	no	1.948	7.815	3	42	0.05
Cadmium (mg/l)	G-1	no	4.822	7.815	3	36	0.05
Cadmium (mg/l)	G-3A	no	4.888	7.815	3	37	0.05
Cadmium (mg/l)	G-8	no	2.316	7.815	3	36	0.05
Cadmium (mg/l)	G-10	no	3.166	7.815	3	35	0.05
Chromium Total (mg/l)	G-1	no	2.8	7.815	3	41	0.05
Chromium Total (mg/l)	G-3A	no	4.655	7.815	3	43	0.05
Chromium Total (mg/l)	G-8	no	3.586	7.815	3	42	0.05
Chromium Total (mg/l)	G-10	no	7.356	7.815	3	42	0.05
Copper (mg/l)	G-1	no	0.617	7.815	3	36	0.05
Copper (mg/l)	G-3A	no	0.231	7.815	3	35	0.05
Copper (mg/l)	G-8	no	2.421	7.815	3	36	0.05
Copper (mg/l)	G-10	no	1.191	7.815	3	36	0.05
Lead (mg/l)	G-1	no	4.007	7.815	3	36	0.05
Lead (mg/l)	G-3A	no	1.181	7.815	3	36	0.05
Lead (mg/l)	G-10	no	0.403	7.815	3	36	0.05
Nickel (mg/l)	G-1	no	3.674	7.815	3	36	0.05
Nickel (mg/l)	G-3A	no	2.999	7.815	3	37	0.05
Nickel (mg/l)	G-8	no	3.138	7.815	3	36	0.05
Nickel (mg/l)	G-10	no	5.324	7.815	3	36	0.05
TDS (mg/l)	G-1	no	1.164	7.815	3	35	0.05
TDS (mg/l)	G-3A	no	2.537	7.815	3	35	0.05
TDS (mg/l)	G-8	no	2.093	7.815	3	35	0.05
TDS (mg/l)	G-10	no	1.603	7.815	3	37	0.05
pH (units)	G-1	no	4.065	7.815	3	43	0.05
pH (units)	G-3A	no	0.458	7.815	3	43	0.05
pH (units)	G-8	no	2.66	7.815	3	42	0.05
pH (units)	G-10	no	1.819	7.815	3	43	0.05

Seasonality Summary

Date: 3/23/05, 10:51 PM

Facility: American Canyon LF

Data File: AC_VOC

Client: EMCON

Constituent	Well	Seasonality	K.-W.	Chi-Sq.	df	N	Alpha
MC (ug/l)	G-1	no	0.96	7.815	3	54	0.05
Benzene (ug/l)	G-1	no	2.413	7.815	3	51	0.05
Toluene (ug/l)	G-1	no	2.264	7.815	3	51	0.05
Xylenes (ug/l)	G-1	no	2.593	7.815	3	46	0.05
124TMB (ug/l)	G-1	no	3.943	7.815	3	25	0.05
MC (ug/l)	G-3A	no	1.417	7.815	3	53	0.05
Benzene (ug/l)	G-3A	no	0.732	7.815	3	57	0.05
Toluene (ug/l)	G-3A	no	0.945	7.815	3	34	0.05
Chlorobenzene (ug/l)	G-3A	no	6.351	7.815	3	57	0.05
Xylenes (ug/l)	G-3A	no	1.323	7.815	3	29	0.05
Acetone (ug/l)	G-3A	no	3.963	7.815	3	33	0.05
Naphthalene (ug/l)	G-3A	no	1.379	7.815	3	34	0.05
124TMB (ug/l)	G-3A	no	1.038	7.815	3	34	0.05
12DCB (ug/l)	G-3A	no	0.97	7.815	3	34	0.05
13DCB (ug/l)	G-3A	no	1.997	7.815	3	34	0.05
14DCB (ug/l)	G-3A	no	1.377	7.815	3	34	0.05
Isopropylbenzene (ug/l)	G-3A	no	2.263	7.815	3	34	0.05
nPropylbenzene (ug/l)	G-3A	no	1.622	7.815	3	34	0.05
MTBE (ug/l)	G-3A	n/a	n/a	n/a	n/a	11	n/a
MC (ug/l)	G-8	no	1.661	7.815	3	53	0.05
Benzene (ug/l)	G-8	no	0.396	7.815	3	57	0.05
Toluene (ug/l)	G-8	no	2.197	7.815	3	57	0.05
Ethylbenzene (ug/l)	G-8	no	1.271	7.815	3	57	0.05
Xylenes (ug/l)	G-8	no	0.133	7.815	3	52	0.05
Acetone (ug/l)	G-8	no	1.292	7.815	3	29	0.05
Naphthalene (ug/l)	G-8	no	2.959	7.815	3	42	0.05
124TMB (ug/l)	G-8	no	1.512	7.815	3	39	0.05
135TMB (ug/l)	G-8	no	1.332	7.815	3	37	0.05
14DCB (ug/l)	G-8	no	6.65	7.815	3	32	0.05
Isopropylbenzene (ug/l)	G-8	no	3.256	7.815	3	34	0.05
nPropylbenzene (ug/l)	G-8	no	5.416	7.815	3	33	0.05
pIsopropyltoluene (ug/l)	G-8	no	6.736	7.815	3	29	0.05

Seasonality Summary

Date: 3/23/05, 10:51 PM

Facility: American Canyon LF

Data File: AC_VOC

Client: EMCON

Constituent	Well	Seasonality	K.-W.	Chi-Sq.	df	N	Alpha
MC (ug/l)	G-10	no	2.075	7.815	3	26	0.05
Acetone (ug/l)	G-10	no	0.102	7.815	3	34	0.05
Naphthalene (ug/l)	G-10	no	0.508	7.815	3	39	0.05

APPENDIX F

COMPUTER DISK – FOURTH QUARTER 2004 MONITORING REPORT
AMERICAN CANYON SANITARY LANDFILL