Golder Associates Inc.

425 Lakeside Drive
Sunnyvale, CA USA 94085
Telephone (408) 220-9223
Fax (408) 220-9224
www.golder.com

THIRD AND FOURTH QUARTER 2012 SEMI-ANNUAL MONITORING REPORT AND 2012 ANNUAL SUMMARY CLASS I AND CLASS III AREAS JOHN SMITH ROAD LANDFILL

San Benito County, California

Prepared for:

San Benito County
Integrated Waste Management Department
for Submittal to the Regional Water Quality Control Board
Central Coast Region

Prepared by:

Golder Associates Inc.
425 Lakeside Drive
Sunnyvale, California 94085

Distribution:

(4) Copies – San Benito County
(8) CDs – San Benito County
(2) Copies – Golder Associates Inc.

January 2013

053-7473-13

THIRD AND FOURTH QUARTER 2012
SEMI-ANNUAL MONITORING REPORT
AND 2012 ANNUAL SUMMARY
CLASS I AND CLASS III AREAS
JOHN SMITH ROAD LANDFILL
San Benito County, California

Prepared for:

San Benito County
Integrated Waste Management Department
for Submittal to the Regional Water Quality Control Board
Central Coast Region

Prepared by:

Golder Associates Inc.
425 Lakeside Drive
Sunnyvale, California 94085

Golder Associates Inc.

Tom Vercoutere
Senior Consultant, P.G. 4462

PROFESSIONAL GEOLOGIST
THOMAS L. VERCOUTERE
No. 4462
STATE OF CALIFORNIA

Käte Motroni
Senior Project Geologist

January 2013

053-7473-13

TABLE OF CONTENTS

Section **Page**

SUMMARY iv
1.0 INTRODUCTION 1
2.0 SITE BACKGROUND 3
2.1 Landfill Operations History 3
2.2 Groundwater Remediation History 4
2.3 Landfill Gas Remediation History 8
2.4 Site Geology and Hydrogeology 10
2.4.1 Geology 10
2.4.2 Hydrogeology 11
3.0 MONITORING PROGRAMS 13
3.1 Groundwater Monitoring 13
3.1.1 Class I Post-Closure Detection Monitoring 13
3.1.2 Class III Detection Monitoring 14
3.1.3 Class III Corrective Action Monitoring 14
3.1.4 Groundwater Discharge Monitoring 15
3.2 Vadose-Zone Gas Monitoring 15
3.3 Surface-Water Monitoring 16
3.4 Landfill Gas and Leachate Monitoring 17
4.0 LANDFILL OPERATIONS 18
4.1 Site Inspections 18
4.2 Intake Monitoring 18
4.3 Rainfall Data 19
4.4 Groundwater Extraction System 19
4.5 Landfill Gas Extraction System 20
5.0 GROUNDWATER FLOW DIRECTION AND VELOCITY 21
5.1 Flow Beneath the Closed Class I Facility 21
5.2 Flow Beneath the Class III Facility 22
5.2.1 Eastern and Central Areas 22
5.2.2 Southwestern Area 22
5.3 Flow Beneath the Field Adjacent to the Site Entrance 22
5.4 Vertical Hydraulic Gradients 23
6.0 SAMPLING AND ANALYSIS 24
6.1 Water-Level Measurements 24
6.2 Groundwater Sample Collection 24
6.2.1 Field Procedures 24
6.3 Analytical Procedures 25
6.4 Quality Control Results 25
6.5 Soil-Gas Monitoring 26
6.6 Landfill Gas and Condensate Monitoring 26
6.7 Leachate Monitoring 26
7.0 CLASS I FACILITY POST-CLOSURE DETECTION MONITORING PROGRAM ANALYTICAL RESULTS AND EVALUATION 27
8.0 CLASS III FACILITY ANALYTICAL RESULTS AND EVALUATION 28
8.1 Detection Monitoring Program 28

8.1.1 Organic Compounds 28
8.1.2 General Water-Quality Parameters 28
8.2 Corrective Action Monitoring Program 29
8.2.1 On-Site Wells 29
8.2.2 Off-Site Wells 30
8.3 Surface Water Monitoring Program 30
8.4 Soil-Gas Monitoring Program 30
8.4.1 Soil-Gas Methane 31
8.4.2 Soil-Gas VOCs 31
8.5 Landfill Gas Header and Condensate Monitoring Program 31
9.0 GROUNDWATER EXTRACTION SYSTEM 32
9.1 Third Quarter 2012 Analytical Results 32
9.2 Fourth Quarter 2012 Analytical Results 32
9.3 Extraction System Effectiveness 32
9.3.1 Extraction System Modifications 33
9.3.2 On-Site System 33
9.3.3 Off-Site System 34
9.3.4 Zones of Groundwater Impact 34
10.0 2012 ANNUAL SUMMARY 36
10.1 Groundwater Compliance Record 36
10.2 Landfill Operations 36
10.3 Landfill Gas Extraction 36
10.4 Rainfall Data 37
10.5 Groundwater Extraction 37
10.6 Groundwater Gradients and Flow Velocities 37
10.7 Groundwater Sampling and Analysis 38
10.8 Groundwater Analytical Results and Statistical Evaluation 38
10.8.1 Class I Post-Closure Detection Monitoring Program 38
10.8.2 Class III Detection Monitoring Program 38
10.8.3 Class III Corrective Action Monitoring Program 39
11.0 CLASS I AREA ADJUSTED POST-CLOSURE COST ESTIMATE 41

Tables

Table 1 Water-Quality Monitoring Requirements – MRP R3-2010-0021
Table 2 Well Construction Summary
Table 3 Waste Disposal Record, 2012
Table 4 Groundwater Extraction System Volume and VOC Mass Removal in 2012
Table 5 Landfill Gas Extraction System and Leachate VOC Mass Removal
Table 6 Groundwater Elevations, Fourth Quarter 2012
Table 7 Vertical Gradient Calculations, Fourth Quarter 2012
Table 8 Class III Area Detection Monitoring Program Analytical Results, Fourth Quarter 2012
Table 9 Class III Area Corrective Action Monitoring Program Analytical Results, Fourth Quarter 2012
Table 10 Storm Water Monitoring Results, Fourth Quarter 2012
Table 11 Soil-Gas Composition – Fourth Quarter 2012
Table 12 Condensate and Landfill Gas Analytical Results, Fourth Quarter 2012

Table 13 Class III Area Groundwater Extraction Well Analytical Results, Third Quarter 2012
Table 14 Class III Area Groundwater Extraction Well Analytical Results, Fourth Quarter 2012
Table 15 Class I Area 2012 Adjusted Post-Closure Cost Estimate
Table 16 Potentially Significant Groundwater Occurrences in 2012

Figures

Figure 1 Site Location Map
Figure 2 Monitoring Locations
Figure 3 Groundwater Contours, Fourth Quarter 2012
Figure 4 Class I Area Well Groundwater Hydrographs
Figure 5 Class III Area Well Groundwater Hydrographs
Figure 6 VOCs in Groundwater Greater Than MCLs, October 2012
Figure 7 Total VOCs in Groundwater Greater Than 1 µg/L, October 2012

Appendices

Appendix A Landfill Operations
Appendix B Groundwater Velocity and Gradient Calculations
Appendix C Groundwater and Soil-Gas Field Data
Appendix D Analytical Reports
Appendix E Quality Control Results
Appendix F Statistical Evaluation
Appendix G Time-Series Plots
Appendix H Historical Analytical Data
Appendix I Historical Groundwater Elevation Data
Appendix J Soil Gas Equilibrium Concentrations

REPORT SUMMARY

On behalf of San Benito County, Golder Associates Inc. has prepared this semi-annual water-quality monitoring report and annual summary for the John Smith Road Landfill Class I and Class III areas. Monitoring and reporting was conducted consistent with the requirements in Monitoring and Reporting Program (MRP) R3-2010-0021 (May 13, 2010), Post Closure Permit No. 03-SAC-006, Waste Water Discharge Permit #92-02 and amendments, Monterey Bay Unified Air Pollution Control District Permit to Operate 15041, and NPDES General Permit # CAS00001. Results for the third and fourth quarters of 2012 are presented below.

Work Performed

- Performed weekly site inspections and continuous intake monitoring.
- Operated the landfill gas extraction system and performed routine and nonroutine maintenance.
- Collected a landfill gas and a condensate sample at the flare in November and December 2012.
- Calculated leachate, landfill gas and condensate pollutant mass-removal volumes.
- Measured soil-gas composition in perimeter monitoring probes in September and December 2012.
- Recorded routine groundwater extraction system discharge volumes and calculated extracted groundwater pollutant mass-removal volume.
- Measured groundwater levels in 39 wells and piezometers on October 30, 2012.
- Calculated groundwater lateral and vertical gradients beneath the Class I and Class III areas and beneath the field adjacent to the site entrance.
- Sampled seventeen wells in the Class III monitoring programs between October 30 and November 2, 2012.
- Sampled the five groundwater extraction wells on September 7 and October 30, 2012.
- Analyzed groundwater samples for routine monitoring parameters defined in MRP 2010-0021.
- Reviewed semi-annual results of chemical analysis to assess groundwater quality.

Findings

- There was no evidence of waste or waste liquids leaving the site and the drainage systems were operating as designed.
- Approximately 44,815 tons of waste were landfilled during the second half of 2012 and approximately 11,318 tons that arrived at the gate were diverted.
- Approximately 3.37 inches of precipitation were recorded in Hollister during the second half of 2012. The maximum 24-hour rainfall was 1.5 inches on November 30. This represents less than the 2-year storm.

- The on-site groundwater extraction system removed approximately 114,000 gallons of water and 23 grams of volatile organic compounds (VOCs) during the second half of 2012, and the off-site system removed approximately 328,000 gallons of water and 9 grams of VOCs.
- The landfill gas extraction system removed approximately 51,945,000 standard cubic feet of landfill gas (including methane) and destroyed approximately 223 kilograms of VOCs during the second half of 2012. Since flare operation began, approximately 4,200 kilograms of VOCs have been extracted and destroyed.
- Approximately 73,000 gallons of leachate and 160 grams of VOCs were extracted from the sump in Module 3A during 2012.
- The methane concentration in all soil-gas probes was less than 5 percent in both the third and fourth quarter.
- Groundwater elevations in the fourth quarter were similar to previous elevations. Groundwater beneath the Class I area continues to flow to the southeast at seepage velocities varying from approximately 17 to 2,600 feet per year. These velocity estimates are consistent with previous findings.
- The groundwater flow interpretation has not changed significantly and groundwater beneath the Class III area flows to the west and southwest at seepage velocities varying from approximately 3 to 1,900 feet per year. These velocity estimates are consistent with previous findings.
- Groundwater beneath the field adjacent to the site entrance flows to the west and northwest at seepage velocities varying from approximately 16 to 1,100 feet per year. These velocity estimates are consistent with previous findings.
- With the exception of a trace concentration of dichlorodifluoromethane in the sample from well E-15, no VOCs were detected in samples from the Class III detection monitoring wells and none of the inorganic constituents exceeded their concentration limits.
- VOCs were detected in eight of the twelve samples from Class III area corrective action monitoring wells. The detected VOCs were below the maximum contaminant level (MCL) cleanup criteria for the site in six of these eight wells.
- Samples from corrective action monitoring wells W-5 and WA-12 were reported with VOCs at concentrations above the MCL. The maximum VOC concentration was 8.3 micrograms per liter (µg/L) for *cis*-1,2-dichloroethene in the WA-12 sample.
- Samples from the three on-site groundwater extraction system wells contained detectable VOCs at concentrations ranging from 0.10 (trace) to 22 µg/L. Three VOCs exceeded their MCL cleanup criterion.
- No VOCs exceeded their MCL cleanup criterion in the off-site extraction wells during the third or the fourth quarter.
- None of the wastewater discharge limits or air district limits were exceeded by the groundwater extracted and discharged to the sanitary sewer system.

Conclusions

- The landfill gas extraction system and flare captured and removed a significant quantity of gas and destroyed a significant amount of VOCs in the second half of 2012.
- Groundwater flow conditions measured in October 2012 are similar to conditions reported in previous years.
- There are no indications of a new release from the Class III landfill.
- Trace- to low-level VOCs continue to be present in groundwater near the Class III landfill and in the field across from the site entrance. Individual VOC concentrations continue their long-term downward trend toward achieving the regulatory cleanup goals in the off-site wells.
- The on-site groundwater extraction system captured a significant volume of VOC-impacted groundwater in the second half of 2012. The overall declining VOC concentrations in offsite groundwater indicate that the on-site groundwater extraction system has been effective at capturing impacted groundwater.

1.0 INTRODUCTION

On behalf of San Benito County, Golder Associates Inc. (Golder) has prepared this semi-annual monitoring report for the Class I and Class III waste management facilities at the John Smith Road Landfill in San Benito County, California. The report covers the third and fourth calendar quarters of 2012. The report also includes the 2012 annual summary.

The disposal site is approximately 5 miles southeast of the City of Hollister in San Benito County, California (Figure 1). On November 14, 2012, San Benito County recorded lot line adjustments increasing the size of the Class III facility and reducing the size of the Class I facility. The site now operates on three parcels with a combined area of approximately 95.16 acres on the north side of John Smith Road. The site includes a closed Class I area (APN 25-19-51, Parcel 1; approximately 5.11 acres) owned by the City of Hollister and an active Class III area (APN 25-19-50, Parcels 2 and 3; approximately 34.15 and 55.9 acres, respectively) owned by the County of San Benito. The Class I and Class III areas have a shared boundary; the Class I area, which contained two waste impoundments with a total area of less than 1 acre, is to the east and up-canyon from the Class III area (Figure 2).

Site monitoring and reporting activities are performed consistent with the following permits and documents:

- Monitoring and Reporting Program No. R3 2010-0021 (MRP)
- Class I Hazardous Waste Facility Post-Closure Permit No. 03-SAC-006 (Post-Closure Permit) [Facility EPA ID No. CAD990665432]
- Wastewater Discharge Permit 92-002 and Amendments
- Monterey Bay Unified Air Pollution Control District Permit to Operate 14070 for contaminated water cleanup
- NPDES General Permit # CAS00001

MRP 2010-0021 is contained in Waste Discharge Requirements Order R3 2010-0021 (WDR). The WDR permit was issued by the California Regional Water Quality Control Board, Central Coast Region (RWQCB) on May 12, 2010, and replaced WDR R3-2002-0001. The Post-Closure Permit was issued by the California Environmental Protection Agency, Department of Toxic Substances Control (DTSC) on November 7, 2003 (effective date December 8, 2003). The wastewater discharge permit was issued by the City of Hollister Department of Public Works in 1992. The Air District permit was issued on January 28, 2009 and replaces permit 7753A, which was issued in February 1998.

Groundwater sampling was performed consistent with the MRP following the procedures in the Sampling and Analysis Plan contained in Appendix B of the *Site-Specific Water-Quality Monitoring Plan* for the John Smith Road Landfill.[1] The MRP also requires inspections and record keeping related to stormwater drainage systems and control, quarterly rainfall discussions, volume measurements and inspections of the expansion area leachate collection and removal system and the landfill gas collection system, and calculations of the pollutant mass removed by the groundwater, leachate, and landfill gas extraction systems.

---

[1]Golder Associates, September 2010. Site-Specific Water-Quality Monitoring Plan, Class I and Class III Areas, John Smith Road Landfill, San Benito County, California, Revision 3.

In addition to the monitoring activities conducted for the five permits listed above, landfill gas monitoring was performed in soil-gas probes and in on-site structures consistent with the Landfill Gas Monitoring Program Plan prepared by Golder in June 2009.[2]

Storm water monitoring is required to be conducted twice during the rainy season. During qualifying storms, samples are collected at designated locations for compliance with Water Quality Order No. 97-03-DWQ (Waste Discharge Requirements for Discharge of Storm Water Associated with Industrial Activities Excluding Construction Activities). This Water Quality Order was issued by the California State Water Resources Control Board (SWRCB) under the National Pollutant Discharge Elimination System (NPDES) General Permit CAS000001. A Storm Water Pollution Prevention Plan (SWPPP) was submitted to the RWQCB in December 1999. It incorporated the updated storm water requirements of Order No. 97-03-DWQ, identified potential sources of pollution that may affect storm water discharge quality, and contains best management practices (BMPs) to minimize pollution in storm water discharge from the John Smith Road Landfill. The SWPPP was revised and updated in June 2010. Results of storm water monitoring are submitted to the RWQCB in the annual Storm Water Monitoring Report each July.

[2] Golder Associates, June 24, 2009 letter to David Otsubo, California Integrated Waste Management Board. Subject: *John Smith Road Landfill, Landfill Gas Monitoring Program Plan, Revision 2, SWIS Facility No. 35-AA-0001*.

2.0 SITE BACKGROUND

The following site background information has been summarized from reports submitted to the RWQCB and DTSC, and from permits issued by those two agencies.

2.1 Landfill Operations History

The John Smith Road Landfill began receiving waste in 1968 and was permitted to receive nonhazardous municipal and industrial waste and hazardous waste. At the time filling began, separation of hazardous from nonhazardous waste was not required by the regulations. Beginning in 1974 and ending in 1977, hazardous waste discharge was confined to an area that is now the northeast portion of the Class III landfill. Since 1977, the Class III area has received nonhazardous municipal solid waste. The landfill reached its pre-Subtitle D waste footprint in 1993. The pre-Subtitle D landfill has subsequently been designated as Module 1. In late 1996, construction of a toe berm in the southwestern portion of the landfill began. Work was completed on the toe berm and site access road in 1999.

In 2007, construction of the southern landfill expansion began. The expansion area, which includes Modules 2 through 6, is being constructed with a composite liner system and a leachate collection and removal system that drains to a sump in the western end of Module 3A. The first expansion module, Module 2, was constructed in the eastern portion of the expansion area, and on December 8, 2008, the RWQCB certified the module for waste placement.[3] Filling in Module 2 began in the spring of 2010. In the spring and summer of 2009, Module 3A was constructed along the southwest portion of the landfill and received certification for waste placement in March 2010[4]; it began receiving waste in the fourth quarter of 2010. The sedimentation basin, which had been where Module 3A was constructed, was moved to the area immediately north of well CP-31. In the summer of 2011, Module 3B was constructed. The module was certified for waste placement[5] and began receiving waste in the fall of 2011.

The Class I facility at John Smith Road Landfill was constructed and permitted for the disposal of liquid hazardous wastes and operated from 1977 to 1983. It was constructed in response to a change in state regulations that required separation of hazardous and nonhazardous waste. The Class I facility contained two waste management units: Impoundment 1 and Impoundment 2. Impoundment 1 was the primary disposal unit and accepted liquid hazardous wastes, mostly pesticide rinseate. It was approximately 18,700 square feet in size (0.43 acres).[6] Impoundment 2 was designed for storm water and overflow from Impoundment 1; it was approximately 15,600 square feet in size (0.36 acres).[7] In

---

[3] RWQCB, December 8, 2008 letter to Ms. Normandy Rose, San Benito County. Subject: Land Disposal Program: Certification of New Waste Management Unit Module 2, John Smith Road Landfill, San Benito County.

[4] RWQCB, March 30, 2010 letter to Ms. Normandy Rose, San Benito County. Subject: Land Disposal Program: Certification of New Waste Management Unit Module 3A, John Smith Road Landfill, San Benito County.

[5] RWQCB, September 20, 2011 letter to Ms. Normandy Rose, San Benito County. Subject: Land Disposal Program: Certification of New Waste Management Unit Module 3B, John Smith Road Landfill, San Benito County.

[6] Postclosure Part B Permit Application, Class I Disposal Facility, John Smith Road, Hollister, California. Appendix F, Figure 3. EMCON Associates, August 1993.

[7] Postclosure Part B Permit Application, Class I Disposal Facility, John Smith Road, Hollister, California. Appendix F, Figure 3. EMCON Associates, August 1993.

September 1984, all liquids were removed from Impoundment 1, and in 1988, a Hypalon® interim cover was placed over waste residue in Impoundment 1. An interim cover was not needed on Impoundment 2 because contaminant concentrations in the soil beneath the impoundment were low. Closure construction of the Class I facility was completed in the summer of 1992 and the first Hazardous Waste Facility Post-Closure Permit was issued by the DTSC in June 1996. On November 7, 2003, the DTSC issued a new Hazardous Waste Facility Post-Closure Permit, as part of the 10-year permit renewal process, with an effective date of December 8, 2003.

2.2 Groundwater Remediation History

In 1985, the City of Hollister (City) and the County of San Benito (County) approved consent agreements with the DTSC and the US Environmental Protection Agency (EPA) to close the Class I area and to characterize the soil and groundwater contamination extent in both the Class I and Class III portions of the site. The results of this characterization work indicated the presence of volatile organic compounds (VOCs) in groundwater beneath the Class III area. The 1987 Solid Waste Assessment Test (SWAT) investigation[8] indicated that the VOC contamination extended off site and in 1988, the RWQCB issued a Cleanup and Abatement Order (CAO No. 88-31) requiring additional off-site groundwater characterization.

In 1989, the City and County entered into a second consent agreement with the EPA (Administrative Order of Consent, Docket No. RCRA-09-88-0017) specifying the work to be performed at both the Class I and Class III portions of the site. The consent agreement required the owner/operator to conduct groundwater monitoring at the Class I area and a RCRA Facility Investigation, and Corrective Measures Study at the Class III area.

In 1991, the RCRA Facility Investigation Report[9], which characterized the nature and extent of contamination, was submitted to and approved by the EPA. In early 1993, an additional on-site characterization report[10] was submitted; it was approved by the EPA in early 1993. It was determined through these investigations that groundwater, both on site and immediately off site, was contaminated with VOCs at levels that exceeded state and federal drinking water standards. Some metals and inorganic parameters were also present in the contaminated groundwater at concentrations greater than drinking water standards. Upgradient and perimeter groundwater, which was not contaminated by VOCs, exhibited similar characteristics. Those metals and inorganic parameters, therefore, were considered naturally occurring and not part of a release. The primary source of the VOCs was determined to be leachate that was derived from hazardous and nonhazardous waste discharged in the northeast portion of the Class III landfill. Leachate infiltration transported VOCs to the underlying groundwater and the flowing groundwater transported the VOCs to their off-site location.

In 1993, the interim remedial measures designed to mitigate the groundwater contamination were begun. They included leachate extraction wells LW-1 and LW-2, on-site groundwater extraction well EW-1, and off-site groundwater extraction wells EW-2 and EW-3. The goal of the on-site extraction wells was to hydraulically contain the VOCs in groundwater to eliminate continued off-site migration and reduce the source of future groundwater contamination (leachate). The goal of the off-site extraction system was to hydraulically contain the VOC plume to stop downgradient migration, and to reduce the concentration of the VOCs to below health-based levels. Fluid extracted from these

---

[8] Solid Waste Assessment Test, John Smith Road Landfill, San Benito County. Wahler Associates. July 1987.

[9] *RCRA Facility Investigation Report*. Wahler Associates. July 1991.

[10] Additional Studies Report - Volume I (On-Site Investigations). Wahler Associates. March 1993.

groundwater and leachate wells was piped to a common point and discharged to a sanitary sewer line constructed for this purpose. The sewer line leads to the Publicly Owned Treatment Works (POTW) for the City of Hollister.

In September 1993, conceptual design plans[11] for a clay liner and leachate collection system for the westernmost portion of the Class III landfill were submitted to the RWQCB for review. The liner and leachate collection system were installed in 1993 to comply with the changing landfill design regulations resulting from the implementation of 40 CFR Part 258 (Subtitle D). The liner and leachate collection system were also intended to collect and control leachate generated in the Class III landfill and reduce the source of future groundwater contamination.

In 1994, the RWQCB updated the waste discharge requirements for both the Class I and Class III facilities. WDR Order No. 94-75 was issued and replaced Order No. 86-111 for the active Class III facility and Order No. 90-004 for closure of the Class I facility.

In 1995, on-site groundwater extraction well EW-4 was added to the remedial measures program to enhance extraction capabilities near the site entrance. Refuse settling and shifting within the landfill caused the polyvinyl chloride (PVC) casing for LW-1 to shift such that it was not repairable; LW-1 was abandoned in September 1995.

On August 9, 1995, the California Environmental Protection Agency (Cal/EPA), in accordance with the AB 2061 process, designated the RWQCB as the lead administering agency for the site for investigation and remedial action[12].

In June 1996, the EPA issued its Final Decision and Response to Comments[13] regarding the corrective action remedy at the Class III portion of the landfill. The final remedy for the groundwater contamination, which was incorporated into the 1996 Class I Post-Closure Permit, included on-site plume containment and source control and off-site plume containment and VOC concentration reduction. The extraction wells installed as part of the interim measures program were approved for use to accomplish the final remediation goals.

In August 1996, the EPA notified the City and the County that the Administrative Order of Consent was satisfied[14] and that all further corrective action work should be addressed through the State via the Post-Closure Permit. Also in August, the County requested permission to abandon leachate extraction well LW-2 to accommodate landfill development and because LW-2 was producing little or no leachate. The RWQCB reviewed the rationale stated in the request and approved the decommissioning of LW-2 in September 1996; the leachate extraction well was removed shortly thereafter.

---

[11] *Clay Borrow Study And Conceptual Liner Plans, Western Borrow Pit*, John Smith Road Landfill, Class III Area, Hollister, California. Wahler Associates, September 17, 1993.

[12] California Environmental Protection Agency. Memorandum from Val F. Siebal, Chair, Site Designation Committee to Lou Blanck, RWQCB: *Designation of Lead Agency for the Hazardous Waste Release Site*. August 9, 1995.

[13] *Final Decision and Response to Comments* for the John Smith Road Landfill (EPA ID# CAD 990 665 432). EPA. June 1996.

[14] EPA. Letter from Julie Anderson, Director Office of Waste Programs to Max Bridges, San Benito County and Barry Johnson, City of Hollister: *Satisfaction of RCRA 3008(h) Administrative Order on Consent for John Smith Road Landfill, U.S. EPA Docket No. RCRA-09-88-0017.*

In January 2001, groundwater monitoring well CP-25 was installed downgradient from the off-site impacted groundwater zone.[15] The well was placed in the Class III detection monitoring program.

In February 2002, new WDRs were adopted by the RWQCB. The new WDR included an MRP that changed the monitoring programs in the previous MRP and contained specific requirements for monitoring the groundwater extraction system.

In May 2002, a groundwater monitoring plan for the expansion area at the John Smith Road Class III Landfill was submitted to the RWQCB[16] as an addendum to the Site-Specific Water Quality Monitoring Plan.[17] The Expansion Area monitoring plan was prepared to comply with Provision 11 of WDR 2002-0001. On September 5, 2002, a revision to the expansion area monitoring plan, which incorporated RWQCB and DTSC comments[18], was submitted for additional review and comment.[19] DTSC submitted additional comments to the RWQCB in October 2002.[20] A second revision to the expansion area monitoring plan was submitted on February 7, 2003. The expansion area monitoring plan was approved by the RWQCB and DTSC in a letter dated April 4, 2003.[21] In March 2003, the Site-Specific Water-Quality Monitoring Plan, Revision 2 was submitted to the RWQCB and DTSC.[22] The site-specific monitoring plan was approved by the RWQCB and DTSC in a letter dated April 18, 2003.[23]

In the spring of 2003, the landfill gas extraction system was expanded by 17 extraction wells to capture landfill gas that was impacting groundwater in the northwest corner and along the eastern margin of the Class III landfill. In 2004, six more extraction wells were added in the eastern portion of the landfill; details are described in the next section. An upgraded flare, which increased gas extraction capacity, was installed and began operating during the second quarter of 2004.

---

[15] Conor Pacific letter to Mandy Rose, San Benito County Integrated Waste Management Department, February 16, 2001, Re: *Monitoring Well CP-25 Installation, John Smith Road Landfill.*

[16] Conor Pacific, May 13, 2002 letter to David Athey, California Regional Water Quality Control Board, Central Coast Region. Subject: *Expansion Area Monitoring Plan, John Smith Road Class III Landfill, Addendum to Site Specific Water-Quality Monitoring Plan*.

[17] Conor Pacific, March 2002. Site-Specific Water-Quality Monitoring Plan, Class I and Class III Areas, John Smith Road Landfill, San Benito County, California.

[18] RWQCB, August 15, 2002 letter to Ms. Mandy Rose, San Benito County and Mr. Clint Quilter, City of Hollister. Subject: Expansion Area Monitoring Plan Comments, John Smith Road Class I and III Landfills, San Benito County.

[19] Conor Pacific, September 5, 2002 letter to David Athey, California Regional Water Quality Control Board, Central Coast Region. Subject: Revision 1, *Expansion Area Monitoring Plan, John Smith Road Class III Landfill, Addendum to Site-Specific Water-Quality Monitoring Plan*.

[20] DTSC, October 17, 2002 letter to David Athey, California Regional Water Quality Control Board, Central Coast Region. Subject: Comments on Revision 1, *Expansion Area Monitoring Plan, John Smith Road Class III Landfill, Addendum to Site-Specific Water Quality Monitoring Plan*, dated September 5, 2002.

[21] RWQCB, April 4, 2003 letter to Ms. Mandy Rose, San Benito County and Mr. Clint Quilter, City of Hollister. Subject: Expansion Area Monitoring Plan Approval - John Smith Road Landfill, San Benito County.

[22] Conor Pacific, March 2003. Site-Specific Water-Quality Monitoring Plan, Class I and Class III Areas, John Smith Road Landfill, San Benito County, California, Revision 2.

[23] RWQCB, April 18, 2003 letter to Ms. Mandy Rose, San Benito County and Mr. Clint Quilter, City of Hollister. Subject: Sampling and Analysis Plan Approval - John Smith Road Landfill, San Benito County.

In the spring of 2004, groundwater monitoring well CP-30 was installed in the "saddle well area" defined in the WDR to evaluate water quality along the northern property line.[24] An additional well, CP-31, was installed near extraction well EW-4 to provide additional data on groundwater elevation and water quality near the extraction well.

In the summer of 2004, well W-1 was abandoned consistent with the procedures described in the Site-Specific Monitoring Plan because the well's integrity was compromised by slope failure. The well destruction was approved by the RWQCB.

In the summer of 2006, wells G-32 and G-33 were installed as a proactive measure to further the understanding of groundwater movement in the historically-recognized VOC plume.[25] Specifically, well G-32 was installed to assist in evaluating the area of influence around groundwater extraction well EW-3 and to provide an alternate groundwater sample location if nearby monitoring well W-7 is dried by groundwater extraction at well EW-3. Well G-33 was installed to characterize groundwater quality adjacent to soil-gas probe GP-3A, which contained low-level VOCs in the gas phase, and provide data for evaluating the effectiveness of groundwater extraction at onsite wells EW-1 and EW-4 and off-site well EW-3.

In the summer of 2007, revised MRP 2002-0011 was issued by the RWQCB. The MRP changed the monitoring frequency for Class I detection monitoring wells from annual to once every 5 years, moved several wells in the Class III detection monitoring program to corrective action monitoring, and updated monitoring parameters for both detection and corrective action monitoring.

On March 24 and 25, 2008, new groundwater extraction well EW-5 was installed north of existing well EW-4 to capture additional groundwater that may have been bypassing well EW-4. Groundwater extraction from the new well began in June 2008. During the installation of well EW-5, a buried leachate line that was intended to drain liquid from the clay-lined western portion of the landfill, but has been dry for several years, was damaged. The RWQCB was notified of the damage by the County on March 25, and an abandonment plan was submitted to the RWQCB in early April.[26] The plan was approved,[27] and the leachate drain line was abandoned per the plan in June 2008.

In the spring of 2010, the RWQCB issued a new WDR and MRP R3-2010-0021, and in September 2010, revision 3 to the Site Specific Water-Quality Monitoring Plan[28] was issued and approved by the

---

[24] Conor Pacific letter to Mandy Rose, San Benito County Integrated Waste Management Department, June 14, 2004, Re: Installation of *Monitoring Wells CP-30 and CP-31, John Smith Road Landfill.*

[25] Golder Associates letter to Mandy Rose, San Benito County Integrated Waste Management Department, December 12, 2006, Re: Installation of *Monitoring Wells G-32 and G-33, John Smith Road Landfill*

[26] Golder Associates, April 9, 2008 letter to Dan Niles, California Regional Water Quality Control Board, Central Coast Region. Subject: Workplan to Abandon Leachate Drain Line, John Smith Road Landfill, Hollister, California.

[27] Email from Dan Niles, RWQCB to Tom Vercoutere, Golder Associates, April 17, 2008, 3:25 PM. Subject line Re: John Smith Road leachate line abandonment.

[28] Golder Associates, September 2010. Site-Specific Water-Quality Monitoring Plan, Class I and Class III Areas, John Smith Road Landfill, San Benito County, California, Revision 3.

RWQCB[29]. This third revision incorporated changes to the monitoring network and monitoring requirements that had occurred since revision 2 was issued in 2003.

In July 2010, a boring for proposed well G-26, which was initially proposed in 2002 (as well CP-26) and approved in 2003 as part of the expansion area monitoring plan, was drilled with the intent of installing new groundwater monitoring well G-26 downgradient from the leachate collection and removal system (LCRS) sump in landfill expansion Module 3A near the site's scale house. The well, however, was not installed because subgrade hydrogeologic conditions were not suitable for groundwater monitoring. Mr. Dan Niles of the RWQCB was informed of the subgrade conditions and concurred with the proposal not to install groundwater monitoring well G-26. A drilling summary was submitted in a July 2010 letter.[30]

2.3 Landfill Gas Remediation History

In late 1994, a landfill gas monitoring program began at the Class III site. Five gas monitoring wells, GP-1 through GP-5, were installed to a depth of approximately 10 feet along the perimeter of the Class III site. Well locations are shown on Figure 2. Well GP-2 was later determined to be installed in waste. Well GP-3 was destroyed in late 1997, after 2 years of monitoring. Well GP-5 was destroyed during landfill construction after one monitoring event. The monitoring results from the first sampling event (May 1995) indicated that landfill gas was present in the shallow soil in wells GP-2 and GP-5. Methane concentrations were greater than 5 percent by volume in those wells (the lower explosive limit [LEL] for methane in air) in those wells. Wells GP-1, GP-3, and GP-4 had no detectable methane. Routine testing through December of 1998 confirmed these initial results.

In April 1996, a 250-foot long, non-venting trench was installed approximately 40 feet inboard from the property line and centered on GP-2 to act as a landfill gas barrier wall. This trench was not effective in reducing the concentration of methane in well GP-2, so in 1997, five landfill gas extraction wells were installed near GP-2 and connected to a skid-mounted landfill gas flare, also located near GP-2. Performance tests conducted in September 1997[31] indicated that the operating flare could reduce the concentration of methane in well GP-2 to levels less than 5 percent.

In 1999, the flare was relocated to the southwest corner of the sedimentation basin (now Module 3A). During the 1999 monitoring year, the methane concentration in GP-2 was less than the instrument detection level (0.5 percent) during all events except when the system was not running (flare was being moved). On February 1, 2000, the flare was shut down by Monterey Bay Unified Air Pollution Control District request as it was out of compliance with regulations. After the flare was shut down, the methane concentrations in well GP-2 rose above the 5 percent level.

On January 5, 2001, soil-gas monitoring wells GP-3A and GP-5A were installed to replace their destroyed predecessors, and a new well, GP-2A was installed. On March 19, 2001, a new enclosed landfill gas flare acceptable to the Monterey Bay Unified Air Pollution Control District was connected

---

[29] Email from Dan Niles, RWQCB to Tom Vercoutere, Golder Associates, cc to Mandy Rose, San Benito County, October 1, 2010, 4:24 PM. Subject line Re: draft sampling plans for your review John Smith Road Landfill.

[30] Letter to Mandy Rose, San Benito County, from Golder Associates, July 30, 2010, Re: *Results of Drilling at the G-26 Borehole, John Smith Road Landfill.*

[31] Pilot Landfill Gas (LFG) Extraction System, John Smith Road Landfill – Class III Area, San Benito County, California. Golder Associates, February 1998.

to the gas extraction system and started. By March 21, 2001, the methane concentrations in all the LFG probes were brought below the LEL.

In June 2002, EMCON/OWT submitted a report on behalf of San Benito County to the RWQCB entitled Mitigation Work Plan for LFG Impacts at John Smith Road Landfill. The workplan was submitted to comply with Provision E 14 of WDR 2002-0001, and addressed measures to control landfill gas near impacted groundwater monitoring wells E-15 and W-4. Comments from DTSC and the RWQCB, dated August 20, 2002, were received and on September 20, 2002, EMCON/OWT submitted a response.[32] On November 12, 2002, the County received RWQCB and DTSC approval to implement the plan.[33]

During the second quarter of 2003, seventeen landfill gas extraction wells were installed and were put online to the existing flare on May 17, 2003. Later in the year, new multi-level soil-gas wells GP-8, GP-9, and GP-10 were installed to monitor the effectiveness of the upgraded landfill gas extraction system. Monitoring of those wells began in the third quarter 2003. Soil-gas monitoring well and landfill gas extraction well locations are shown on Figure 2.

During April 2004, new multi-level soil-gas wells GP-6 and GP-7 were installed to monitor the effectiveness of the landfill gas extraction system near impacted groundwater monitoring well W-4. Locations are shown on Figure 2. Monitoring of GP-6 and GP-7 began in the second quarter 2004. On June 4, 2004, a larger capacity upgraded flare, which increased landfill gas extraction capabilities, was delivered to the site. Installation and testing were completed on June 16 and the extraction system doubled its gas removal and destruction rate. In late July 2004, six additional landfill gas extraction wells were installed near monitoring well GP-9 and put in operation in early August.

In June 2008, a landfill methane remediation plan[34] was submitted to the LEA to address subsurface methane concentrations that intermittently exceeded regulatory standard in a small area along the western site boundary monitored by multi-level well GP-7. The LEA approved the plan on July 2, 2008.[35] In August 2008, one new landfill gas extraction well and two replacement wells were installed and connected to the gas collection system according to the plan, and the methane concentration at GP-7 was lowered and brought back into compliance.

In the spring of 2009, the landfill gas flare was moved approximately 30 feet to the southwest to allow construction of new landfill Module 3A. The flare was shut down for approximately 5 days during the move and restarted on March 31, 2009.

---

[32] EMCON/OWT, September 20, 2002 letter to David Athey, California Regional Water Quality Control Board, Central Coast Region. Subject: John Smith Road Class III Landfill, Landfill Gas Mitigation Work Plan, Response to Comments.

[33] RWQCB, November 12, 2002 letter to Ms. Mandy Rose, San Benito County and Mr. Clint Quilter, City of Hollister. Subject: Comments On The Landfill Gas Mitigation Work Plan – Response To RWQCB Comments, John Smith Road Class III Landfill, Hollister, San Benito County.

[34] Remediation Plan For Landfill Methane Migration at Monitoring Probe GP-7, John Smith Road Landfill, San Benito County, California. Golder Associates, June 2008.

[35] San Benito County Health and Human Services Agency letter to Golder Associates Inc. Subject: Landfill Gas Remediation Plan, John Smith Road Landfill SWIS # 35-AA-0001 Golder Project Number 073-97185-01.

In January 2010, a landfill methane migration remediation plan[36] was submitted to the LEA to address subsurface methane concentrations that exceeded regulatory standard in a small area along the northern site boundary monitored by multi-level well GP-2A and GP-9. The plan was implemented, and in March 2010, methane in the GP-9 well was below the regulatory standard. Methane in the GP-2A well was reduced to below the regulatory limit by mid June 2010. At the end of September, the methane concentration in both GP-2A and GP-9 once again had increased to greater than 5 percent and additional components of the remediation plan were implemented to address methane migration. In December, three new landfill gas extraction wells (G-35, G-36, and G-37) were installed near existing landfill gas extraction wells G-29, G-28, and G-27. By late December, the methane concentration in GP-2A was below the 5 percent regulatory standard, and by the end of March, the methane concentration in GP-9 was also below 5 percent.

On May 6, 2011, temporary soil-gas well GP-12T was destroyed after receiving concurrence from CalRecycle.[37] On October 6, 2011, soil-gas monitoring well GP-12 was installed after receiving approval for a temporary alternative interwell spacing request[38] while waiting for a facility boundary modification.

In June 2011, methane at a concentration above the 5 percent regulatory limit was identified in temporary soil-gas well GP-11T and the LEA was notified. On August 10, 2011, a mitigation plan to address the methane at well GP-11T was submitted to the LEA and CalRecycle[39]. On August 31, 2011, GP-11T was tested for methane and the concentration was below the 5 percent regulatory standard.

In June 2012, a new landfill gas flare assembly was installed; full-time operation began in late June. On June 25, the new system passed the emissions source test to verify the pollutants identified in the air district permit to operate were below the required levels.

2.4 Site Geology and Hydrogeology

The site is located in the southernmost part of the Santa Clara Valley between the Gabilan Range to the west and the Diablo Range to the east. It lies along the southeastern margin of the Gilroy-Hollister groundwater basin.

2.4.1 Geology

Three major geologic units have been mapped at the site, the Cretaceous age Panoche Formation, Pleistocene age older terrace deposits, and Quaternary age surficial deposits. The Panoche Formation is composed of interbedded marine sandstones, siltstones, claystones, and shales with bedding thicknesses ranging from less than 1 inch to several feet. The Panoche Formation at the site lies on the southwest limb of an anticline. The beds strike to the northwest and dip to the southwest between approximately

---

[36] Remediation Plan For The Landfill Methane Migration at Monitoring Probes GP-2A and GP-9, John Smith Road Landfill, San Benito County, California. Cornerstone Environmental Group, January 2010.

[37] Email from Scott Walker, CalRecycle to Tom Vercoutere, Golder Associates, cc to Mandy Rose, San Benito County and others, April 28, 2011, 9:52 AM. Subject line RE: John Smith Road perimeter gas probe move.

[38] Email from Scott Walker, CalRecycle, to Tom Vercoutere, Golder, and others. Sent: October 5, 2011, at 10:42 AM Subject: RE: John Smith Road Landfill request for temporary alternative spacing for perimeter landfill gas monitoring wells.

[39] Golder Associates, August 11, 2011 letter to Raymond W. Stevenson, San Benito County, Health and Human Services Agency. Subject: Landfill Gas Migration Remediation Plan For the GP-11T Area - John Smith Road Landfill, Hollister, California

45 and 90 degrees but generally at approximately 60 to 70 degrees. Sandstones tend to be moderately to highly fractured, claystones and siltstones tend to be crushed to moderately fractured. The terrace deposits unconformably overlie the Panoche Formation. Beds within the terrace deposits dip to the northwest at approximately 20 degrees. The terrace deposits are composed primarily of poorly to semiconsolidated sands and silts. Erosion has removed the terrace deposits from some of the lower portions of the site; the thickest sequence is at the Class I facility where it is as much as 100 feet thick. Younger alluvium was present in the lower portion of the Class III drainage, and it forms the valley fill in the field across from the site entrance where it lies unconformably on the Panoche Formation. The valley-fill alluvium is composed primarily of clayey silts and silty clays with some silty sands. The greatest observed thickness of the valley-fill alluvium is 27 feet in the boring for well WA-13.

2.4.2 Hydrogeology

Groundwater beneath and near the site occurs within the three geologic units described above. In locations where the upper portion of the Panoche Formation is overlain by terrace deposits or younger alluvium, a hydraulic connection exists and the units behave as a single aquifer. Within the Panoche Formation, flow occurs primarily along fractures. Pumping test analysis has determined that the hydraulic conductivity of fractures are one to two orders of magnitude higher than rock[40]. Within the terrace deposits and younger alluvium, groundwater flow is through the matrix.

The groundwater potentiometric surface occurs at elevations ranging from approximately 740 feet above mean sea level (MSL) in the northeast corner of the Class I facility to approximately 620 feet MSL near the site entrance. In the field across from the site entrance, the groundwater potentiometric surface occurs at elevations ranging from approximately 600 to 620 feet MSL and drop to approximately 575 feet MSL near well CP-25.

Groundwater is not in contact with waste or contaminated soil beneath the closed Class I facility. The lowest confirmed contaminated soil beneath former Impoundment I is approximately 753 feet MSL; noncontaminated soil was confirmed at approximately 745 feet MSL. Beneath this point, the groundwater is confined and the potentiometric surface is typically between 710 and 720 feet MSL. During the peak groundwater elevations in 1998, the groundwater potentiometric surface beneath the former Impoundment 1 was below 740 feet. With placement of the composite final cover, there is no water infiltration to drive contaminates toward the groundwater.

It is possible that groundwater may have historically been in contact with waste in the central portion of the Class III facility. The base of refuse was determined to be at an elevation of approximately 665 feet MSL in the boring for abandoned well WA-21 (located approximately 700 feet south and 160 feet east of well W-5). At this location (where there are no wells), the groundwater potentiometric surface has been interpreted to have risen to elevations between approximately 680 and 690 feet MSL during 1998, the year with the highest historical water levels. Whether groundwater broke through the confining layers and came in contact with refuse is unknown.

A groundwater divide is present near the boundary of the Class I and Class III facilities. Groundwater beneath the Class I facility generally flows toward the south and southeast, toward the relatively deep John Smith Road valley farther to the southeast, while groundwater beneath the Class III facility generally flows toward the west and southwest, toward the site entrance within the relatively shallow valley occupied by the landfill.

---

[40] Interim Measures Report, John Smith Road Class III Landfill. Wahler Associates, August 1993.

DTSC had speculated that the groundwater divide between the Class I and Class III facilities is located east of the Class I facility and groundwater beneath the Class I facility flows westward, toward the Class III area. Well G-24 was installed in 1994 at their request to test the hypothesis and determine whether groundwater was flowing toward the Class III facility on the north side of wells E-15 and E-16. Groundwater water levels are consistently higher in well G-24 than beneath the closed impoundments and generally higher than in wells E-15 and E-16. This relationship demonstrates that groundwater could not flow around the north side of wells E-15 and E-16. A review of the historical water levels in wells around the Class I site also show the hypothesis is not viable. If the hypothesis was viable, it would require significant seasonal changes in groundwater elevations at the point of groundwater flow convergence near wells E-15 and E-16 in response to seasonal recharge (i.e., groundwater would be flowing toward the point of convergence from three directions and flowing outward from only one direction; water levels at the point of convergence would have to change to account for the volume of inflow from three directions). In preparation of the 2002 WDR, DTSC requested that an additional well be installed in the area of the poorly-defined groundwater divide. The request was incorporated in Provision 11 of WDR 2002-001. A well, tentatively designated "CP-29", that will address the requirement in Provision 11, was proposed in the approved expansion area monitoring plan. The schedule for its installation will depend on the timing of construction of the next planned Class III area expansion.

Aquifer hydraulic parameters have been determined at the site.[41,42] Analysis of aquifer tests in wells in the valley-fill alluvium resulted in hydraulic conductivity values ranging from 3.1×10^{-3} to 4.8×10^{-5} centimeters per second (cm/sec). Analysis of data from long-term pumping tests (as much as 72 days) collected during the initial extraction well evaluation resulted in hydraulic conductivity values for the Panoche Formation ranging from 1.4×10^{-3} to 1.0×10^{-5} cm/sec. Similar values were obtained for the Panoche Formation during hydraulic characterization of the Class I facility; values ranged from 1.8×10^{-4} to 1.0×10^{-5} cm/sec. Effective porosity was also determined based on storativity calculations. An effective porosity value of 0.03 (3 percent) was obtained for the valley-fill alluvium. Effective porosity values for the Panoche Formation range from 0.09 to 0.10 (9 to 10 percent).

The groundwater potentiometric gradient ranges from approximately 0.3 foot per foot (ft/ft) off the southern ridge near well W-2 to approximately 0.01 ft/ft beneath the field across from the site entrance.

[41] Interim Measures Report, John Smith Road Class III Landfill. Wahler Associates, August 1993.

[42] Hydrogeologic Assessment Report, John Smith Road Class I Landfill. EMCON Associates, 1987.

3.0 MONITORING PROGRAMS

Monitoring at the John Smith Road Landfill is conducted on groundwater, extracted groundwater that is discharged to the sanitary sewer system, soil-gas, surface water/storm-water runoff, landfill gas and gas condensate, and leachate. The requirements for these programs are contained in the MRP for WDR 2010-0021, Post-Closure Permit No. 03-SAC-006, General Permit #CAS 00001, Wastewater Discharge Permit 92-002, and Air District Permit 14070. The monitoring programs and networks for each medium are described in the following sections.

3.1 Groundwater Monitoring

Groundwater monitoring for the second semi-annual event in 2012 was conducted consistent with the MRP. The Class I facility has one monitoring program: the post-closure detection monitoring program. The Class III facility has two programs: the detection monitoring program and the corrective action monitoring program. The groundwater extraction wells are part of the corrective action monitoring program. Each program's monitoring network, sampling frequency, and monitoring parameters are described in the following sections and summarized in Table 1. In addition to the wells that fall within these designated monitoring programs, several other wells, including piezometers P-1 and P-2 south of the expansion area were installed to provide supplemental groundwater elevation control. They are currently used to determine the groundwater potentiometric elevation each event. A construction summary for each site well is presented in Table 2; their locations are shown on Figure 2.

3.1.1 Class I Post-Closure Detection Monitoring

The Class I detection monitoring network is designed to monitor groundwater quality beneath the closed facility to determine if there has been a contaminant release. The network includes wells:

- E-2
- E-3
- E-9
- E-17

Well E-9 is the background monitoring point; the other three wells are point-of-compliance wells. These wells are monitored once every 5 years for constituents of concern (COCs; Table 1), and semiannually for determining groundwater potentiometric elevation. The next scheduled COC monitoring event is the first semi-annual event in 2015. As stated above, well E-2 is also monitored semiannually for VOCs as part of the Class III detection monitoring program pursuant to the MRP.

The other wells within the Class I facility that are monitored semiannually for determining groundwater potentiometric elevation include E-1, E-8, E-12, E-13, E-14, and G-24. These wells are either hydraulically upgradient from the former impoundments or screened at deeper intervals in the aquifer than the wells listed above. Consequently, they are not sampled and analyzed for first-indications of a release.

3.1.2 Class III Detection Monitoring

The Class III detection monitoring network is designed to determine whether the lateral and vertical zone of off-site VOC-impacted groundwater is expanding or new releases are occurring. The network includes wells:

- E-2
- E-15
- WA-11
- WA-15
- CP-25

Wells WA-11 and E-15 (E-16 if E-15 is dry) are the background monitoring points. Well E-2 is hydraulically downgradient from background well E-15 in the Class I area in an area that had seen trace-level VOCs related to landfill gas. Well WA-15 is a deep compliance well for monitoring groundwater beneath the VOC-impacted zone. Well CP-25 is a shallow compliance well for monitoring groundwater downgradient from the impacted zone. These wells are monitored semiannually (second and fourth quarters) for the routine monitoring parameters, semiannually for determining groundwater potentiometric elevation, and once every 5 years for COCs (Table 1). The next scheduled COC monitoring event is the first semi-annual event in 2015.

The other wells within the Class III facility and adjacent downgradient property that are used for determining groundwater potentiometric elevation include W-2, W-3, WA-13, WA-14, Lima 3 (a former windmill well), and P-1 and P-2.

On June 23, 2004, well W-1 was decommissioned with the approval of the RWQCB because the slope below the well had failed and the well appeared to be in danger of being further damaged by additional slope failure. The well destruction was documented in a letter to San Benito County.[43]

3.1.3 Class III Corrective Action Monitoring

The Class III corrective action monitoring program is designed to evaluate the effectiveness of the on-site groundwater extraction system at controlling migration of VOCs from the site, and the effectiveness of the off-site groundwater extraction system at stopping downgradient migration of VOCs. The network includes wells:

- W-4
- W-5
- W-7
- WA-8
- WA-9
- WA-10
- WA-12
- WA-19
- WA-20
- CP-30
- CP-31
- G-32
- G-33

Wells W-4, W-5, WA-19, CP-30, and CP-31 are used to monitor water quality along the northern and western crossgradient margin of the Class III area. Wells W-7, WA-12, G-32, and G-33 are used to monitor water quality downgradient from the on-site extraction system. Well W-7 was destroyed in

[43] Conor Pacific letter to Mandy Rose, San Benito County Integrated Waste Management Department, June 29, 2004, Re: *Destruction of Well W-1, John Smith Road Landfill.*

September 2012 with RWQCB concurrence[44]. WA-9 is used to monitor water quality along the southern margin of the off-site VOC impact zone, and wells WA-8, WA-10, WA-12, and WA-20 are used to monitor water quality downgradient from the off-site extraction wells EW-2 and EW-3. These wells are monitored semiannually (second and fourth quarters) for the routine monitoring parameters, semiannually for determining groundwater potentiometric elevation, and once every 5 years for constituents of concern (Table 1). The next scheduled COC monitoring event is the first semi-annual event in 2015.

Four additional groundwater wells were proposed in the 2003 Class III expansion area monitoring plan. They were tentatively designated CP-26 through CP-29, but this designation is likely to change to keep a consecutive well numbering system. As stated in Section 2.2, the installation of well CP-26 (referred to as G-26 in the current naming scheme) was attempted in July 2010 but the well was not installed, and as approved by the RWQCB, is no longer required to be installed.

3.1.4 Groundwater Discharge Monitoring

Groundwater from the extraction wells is discharged to a sanitary sewer line along John Smith Road. Each extraction well has a sampling port from which samples can be collected. The on-site groundwater extraction wells are:

- EW-1
- EW-4
- EW-5

The off-site extraction wells are:

- EW-2
- EW-3

The Wastewater Discharge Permit indicates that quarterly monitoring is to be conducted by staff of the Domestic Water Treatment Plant at the end of the industrial process sewer line and prior to the mixing of diluting waters. To provide additional data for evaluating the extraction system effectiveness, the County is collecting samples of the parameters for which discharge limits are established. The monitoring parameters are listed in Table 1.

The groundwater extraction system wells are also in the corrective action monitoring program in the MRP.

3.2 Vadose-Zone Gas Monitoring

The soil-gas monitoring network for the John Smith Road Landfill was expanded in September 2009 consistent with the August 2009 approved revisions[45,46] to the Landfill Gas Monitoring Program Plan[47].

---

[44] Email from Dan Niles, RWQCB to Tom Vercoutere, Golder Associates, cc to Mandy Rose, San Benito County, September 10, 2012, 2:13 PM. Subject line Re: John Smith well W-7.

[45] Scott Walker (CIWMB) August 26, 2009 5:50 PM email to Tom Vercoutere (Golder) and others. *RE: John Smith Road Landfill LFG MPP, SWFP No.: 35-AA-0001*.

[46] San Benito County Health and Human Services Agency letter to Mandy Rose, San Benito County Integrated Waste Management Department, September 16, 2009. Subject: *Landfill Gas Monitoring Program Plan*.

On November 16, 2009, the RWQCB approved the revised soil-gas monitoring network and incorporated the network into new MRP 2010-0021. Since then, temporary probes GP-12TR and GP-12TG were destroyed and replaced with permanent probes at the new GP-12 location (Figure 2). The network includes the following probes:

- GP-2
- GP-2AR
- GP-2AY
- GP-2AG
- GP-3A
- GP-6R
- GP-6Y
- GP-6G
- GP-7R
- GP-7Y
- GP-7G
- GP-9R
- GP-9Y
- GP-9G
- GP-10R
- GP-10Y
- GP-10G
- GP-11T
- GP-12R
- GP-12Y
- GP-12G
- GP-13R
- GP-13Y
- GP-13G

The probes are monitored quarterly for field-measured VOCs and methane, and annually for laboratory-tested VOCs if landfill gas impacts are identified by field testing, consistent with the monitoring frequency specified in MRP 2010-0021. Probe locations are shown on Figure 2.

3.3 Surface-Water Monitoring

Surface water is monitored as stormwater runoff for compliance with State Water Resources Control Board Order No. 97-03-DWQ National Pollutant Discharge Elimination System (NPDES) Permit No. CAS00001. The only surface water at the facility, other than water collected in the sedimentation basin, is the ephemeral runoff during storms.

The NPDES permit requires that storm water samples be collected during the wet season and an annual summary report be prepared and submitted. Stormwater runoff is monitored at three locations:

- SP-1
- SP-2
- SP-3

Storm water runoff is directed largely toward the sedimentation basin west of the fill area. The remaining stormwater from the Class III area is directed toward the site entrance. The combined discharge is sampled at a location designated SP-1 at the site entrance. The second stormwater monitoring location, SP-2, is a culvert drain that transmits water from a small catch basin to the south side of John Smith Road; it is located approximately 2,500 feet east of the site entrance. The third stormwater monitoring location, SP-3, is located along John Smith Road southeast of the facility and monitors discharge from the emergency exit road. Locations are shown on Figure 2. The stations are sampled twice during the rainy season if flow is present. Samples are analyzed for pH, total suspended solids, total organic carbon or oil and grease, specific conductance, and iron. The analytical results, along with the required storm water inspections and observations, are documented in an annual report that is submitted to the RWQCB on July 1 of each year. Details of the program are presented in the

[47] Golder Associates Inc. letter to David Otsubo, CIWMB, June 24, 2009. Subject: John Smith Road Landfill, Landfill Gas Monitoring Program Plan, Revision 2, SWIS Facility No. 35-AA-0001.

Storm Water Pollution Prevention Plan.[48] If runoff has been in contact with waste, it is also analyzed for parameters for compliance with Subchapter N of 40 CFR 445.21.

3.4 Landfill Gas and Leachate Monitoring

Landfill gas, landfill-gas condensate, and leachate monitoring are conducted consistent with the MRP. Landfill gas and condensate are sampled semiannually at the flare station. Leachate is sampled annually from the leachate collection and removal system sump in Module 3A.

[48] Storm Water Pollution Prevention Plan, John Smith Road Landfill, San Benito County, California. Golder Associates, June 2010.

4.0 LANDFILL OPERATIONS

4.1 Site Inspections

On a weekly basis and following every significant storm, the site was inspected by site personnel to evaluate: (1) receiving waters for the presence or indication of waste; (2) the perimeter of the site for liquid entering or leaving the site, odors, evidence of erosion, and exposed refuse, and; (3) the landfill units for ponded water, leachate seeps, odors, evidence of erosion, daylighted refuse, and the drainage system conditions. Periodic inspections were also performed by County staff.

There was no evidence of waste impacting receiving water, no liquids other than stormwater runoff leaving the site, and no odors, nor evidence of erosion or exposed refuse along the perimeter of the landfill. The drainage system was operating properly; water was draining off the landfill into the sedimentation basin or into drainage features that discharge at the site entrance or other locations (see NPDES monitoring). There was no evidence of erosion or daylighted refuse, leachate seeps on the landfill, or seepage from the sedimentation basin. Site inspection reports are available at the landfill office and at the County Integrated Waste Management Department.

On July 12, 2012, a 12 x 8 foot hole was cut in the Preferential Lined Pathway in Module 3A to remove a 24-inch stormwater pipe. D&E Construction was on site shortly afterward to repair the hole. A photograph and a summary memo are available at the landfill office.

On October 31, 2012, a small tear, less than 3 x 3 feet, in the Preferential Lined Pathway in Module 3A was repaired D&E Construction. Before and after photographs are available at the landfill office.

Pollution control systems, which include the groundwater extraction system and the landfill gas collection and control system, are inspected routinely during monitoring. The extraction wells are checked and discharge volumes are recorded weekly. The gas system is balanced biweekly. The expansion area leachate collection and removal system sump and leak detection layer are inspected for fluid accumulation and leachate extraction volumes from the sump in Module 3A are recorded. An annual LCRS testing procedure for the expansion area, as required in the site's MRP R3-2010-0021, Part 1.D.2, was developed[49] and submitted to the RWQCB; a copy was also placed on the GeoTracker web site. Annual testing is performed in the second half of the year. The 2012 test was performed in September and the results (Appendix A) indicate that the LCRS is functioning as designed.

4.2 Intake Monitoring

The John Smith Road Landfill accepts nonhazardous wastes from commercial and private haulers and is open to the public 7 days a week. White goods, metals, green and wood waste, mattresses, tires, electronics, concrete, and asphalt are separated from the waste stream and stockpiled for recycling and reuse. During the second half of 2012, approximately 56,133 tons of municipal solid waste were received; 11,318 tons were diverted and the remaining 44,815 tons were landfilled. Monthly waste tonnage records are presented on Table 3. The approximate locations of third and fourth quarter filling operation are shown on Figure 3.

[49] Golder Associates, October 24, 2011 letter to Joshua Shaw, Waste Connections Inc. Subject: Annual LCRS testing Procedures for the John Smith Road Landfill, Hollister, California.

As required, John Smith Road Landfill continues to implement a number of programs to ensure hazardous waste and other prohibited wastes are excluded from the landfill site.[50] These programs include: (1) bilingual signs reminding customers that disposal of prohibited materials is illegal; (2) gate-house staff questioning the public regarding waste loads of prohibited waste; (3) continuous scanning of the working face by the equipment operators; (4) random load checks by spotters on the working face; and, (5) aggressive follow-up if prohibited wastes are found. Records documenting these programs are maintained at the landfill office.

4.3 Rainfall Data

Rainfall records for the monitoring period are presented in Appendix A. The records are for San Benito County Station #126 (San Benito County Water District [www.sbcwd.com]). Historical records from July 1874 to June 2001 indicate the average annual precipitation (July 1 to June 30 the following year) is 13.12 inches.

During the last 6 months of 2012, the measured precipitation was 3.37 inches. There was no rain in the third quarter. The maximum 24-hour accumulation during the fourth quarter was 1.5 inches on November 30. This 24-hour precipitation event is less than the 2-year storm (see Table A-1 in Appendix A). Based on the available records, there was one storm in the third or fourth quarter with greater than or equal to 1 inch of rain in 24 hours.

4.4 Groundwater Extraction System

The groundwater extraction system contains three on-site wells: EW-1, EW-4, and EW-5; and two off-site wells: EW-2 and EW-3. The system is automated to maintain an inward flow of groundwater toward each well. With the exception of periodic maintenance, the system was operating continuously during the second half of 2012. On-site well EW-1 maintains groundwater at approximately 600 feet, MSL (84 feet below ground surface). On-site well EW-4 maintains groundwater below approximately 600 feet MSL (85 feet below ground surface). On-site well EW-5 maintains groundwater below approximately 600 feet MSL (86 feet below ground surface). Off-site well EW-2 maintains groundwater below approximately 580 feet, MSL (45 feet below ground surface). Off-site well EW-3 maintains groundwater below approximately 590 feet MSL (42 feet below ground surface). See Appendix A for total well depth and pump settings.

Pump inlet depths were lowered in the fourth quarter of 2000 to enhance the system's extraction capabilities. On May 4, 2001, the pumps where switched from level controls to the more efficient Pump Saver® controls, which shut the pumps off when the water level drops to the pump inlet and restarts the pumps after a preset time delay. Pump saver controls allow water levels to rise and fall within the well but maintain an inward gradient toward the well in the aquifer. Details of the settings are presented in Appendix A.

Flow-meter readings from each extraction well were taken on June 26, 2012 to record the volume at the beginning of the monitoring period, then approximately weekly by site personnel or County staff. During the last 6 months of 2012, approximately 114,000 gallons of groundwater and 28 grams of VOCs were removed by the on-site system, and 328,000 gallons and 5 grams of VOCs were removed by the off-site system. The readings from the beginning and end of the third and fourth quarter, the total extracted volume, and the average gallon-per-day and gallon-per-minute flow rate, as well as total

[50] Lawrence and Associates, January 28, 2011. John Smith Road Landfill Waste Screening & Acceptance Program.

VOCs removed are summarized on Table 4; the weekly data, in tabular and graphical form, are included in Appendix A. A discussion of the system effectiveness is presented in Section 9 of this report.

4.5 Landfill Gas Extraction System

The first phase of the landfill gas extraction system was installed and began operation in 1997 as a pilot program to control landfill gas migration near gas monitoring probe GP-2. The pilot system consisted of four perimeter extraction wells (G-1 through G-4), one interior well (G-5), conveyance piping, and a skid mounted flare system. The flare was relocated adjacent to the sedimentation pond (now Module 3A) in 1999. The landfill gas extraction system, which was shut down at the request of the Monterey Bay Unified Air Pollution Control District on February 1, 2000, due to a nonconforming flare, was restarted on March 19, 2001, after the installation of an acceptable flare.

In April 2003, the second phase of the landfill gas extraction system was constructed. It includes seventeen gas extraction wells; eleven of those wells (G-6 through G-16) are within 500 feet of impacted groundwater well W-4 and six (G-17 through G-22) are within 300 feet of impacted groundwater well E-15. The existing flare, however, had insufficient capacity to run all seventeen wells.

On June 4, 2004, a larger capacity upgraded flare was delivered to the site. Installation and testing were complete on June 16 and the extraction system doubled its gas removal rate. In late July, six additional landfill gas extraction wells (G-23 through G-28) were installed near monitoring probe GP-9 and put in operation in early August.

In August 2008, two wells were replaced (G-6 and G-13) and a third well (G-29) was installed to enhance landfill gas extraction capabilities in the northwestern portion of the landfill near groundwater wells W-4 and W-5. In December 2010, three more wells (G-35, G-36, and G-37) were installed to enhance landfill gas capture along the northern portion of the landfill. In June 2012, a new landfill gas flare assembly was installed; full-time operation began in late June. Location of gas extraction system components are shown on Figure 2.

During the last six months of 2012, approximately 51,945,000 standard cubic feet of landfill gas (primarily methane, carbon dioxide, and nitrogen) was extracted from the landfill and 223 kilograms of VOCs were destroyed (Table 5). The landfill gas extraction flare assembly was being upgraded in June 2012 and the flare was not running at full capacity until late June. The volume of landfill gas extracted during June, therefore, was below typical values.

Since the landfill gas flare was relocated in 1999, approximately 1,077,000,000 standard cubic feet of landfill gas has been extracted and approximately 4,200 kilograms of VOCs have been destroyed (Table 5).

5.0 GROUNDWATER FLOW DIRECTION AND VELOCITY

Determination of fourth quarter 2012 groundwater flow direction and velocity beneath the site are based on groundwater elevations measured on October 30, 2012 (Table 6). Groundwater elevation data from all monitoring wells except E-8, E-9, E-13, E-14, E-16, WA-8, and WA-15 were used to generate the groundwater contours shown in Figure 3. Water levels from these seven wells were not used in contouring because they are screened in deeper portions of the aquifer to characterize the vertical gradient. Two piezometers (P-1 and P-2) installed in late April 2008, were used in generating the groundwater contours shown on Figure 3. A third piezometer (P-3) installed in April 2008 was abandoned in the third quarter 2008 to allow landfill expansion grading in the area it was located. These three piezometers were installed to better characterize groundwater conditions at the base of the southern ridge below wells W-2 and W-3 for the first Subtitle D expansion area.

The general direction of groundwater flow was consistent with previous findings. Groundwater beneath the closed Class I facility flows toward the south and southeast, in the direction of and eventually reaching the relatively deep valley occupied by John Smith Road (Figure 3). Class I area well hydrographs are shown on Figure 4. These hydrographs show that groundwater potentiometric elevations for the Class I area have changed through time but relative gradients between the wells have remained consistent. Groundwater beneath the Class III facility generally flows toward the west and southwest, toward the site entrance (Figure 3). A groundwater divide near the boundary of the Class I and Class III facilities separates these two flow regimes (see Section 2.4.2 for discussion of the divide). Hydrographs of the Class III area wells are shown on Figure 5. Groundwater potentiometric elevations for wells around the perimeter of the landfill have maintained a consistent relative gradient, while the wells in the field adjacent to the site entrance have maintained the gradients but are more influenced by seasonal recharge. Historical groundwater potentiometric elevation data are presented in Appendix I.

Groundwater beneath the field adjacent to the site entrance generally flows down the valley to the northwest (Figure 3).

The average groundwater seepage velocity beneath the site can be estimated by the equation

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

Where V = average linear velocity

K = hydraulic conductivity

i = hydraulic gradient

n_e = effective porosity

The average groundwater seepage velocity was calculated for four hydrogeologic regimes at the site; the regimes are based on aquifer material and hydraulic gradients. The first regime is flow within bedrock beneath the closed Class I facility. The second regime is flow within bedrock beneath the waste-filled eastern and central portion of the Class III facility. The third regime is flow within bedrock beneath the waste-filled southwestern portion of the Class III facility. The fourth regime is flow within alluvium beneath the field adjacent to the site entrance.

5.1 Flow Beneath the Closed Class I Facility

A hydraulic gradient of 0.16 ft/ft has been estimated for groundwater beneath the closed Class I facility using the difference in potentiometric elevation between wells E-12 and E-3 and the distance between

the wells (224 feet; Figure 3). The average groundwater seepage velocity was calculated using the calculated hydraulic gradient, a high and a low hydraulic conductivity of 1.4×10^{-3} and 1.0×10^{-5} centimeters per second (cm/sec), and calculated effective porosity values of 9 and 10 percent (see Section 2.4.2). An effective porosity is used instead of the whole-rock porosity because it more accurately represents how water moves through fractured rock beneath the site. The estimated groundwater seepage velocity beneath the closed Class I facility ranged from 17 to 2,600 feet per year (ft/yr). The relatively large difference in estimated velocity is the result of the two orders-of-magnitude difference between the high and low hydraulic conductivity values for bedrock. The seepage velocities indicate that groundwater moves quicker through tight fractures and slower through open fractures. Calculations are presented in Appendix B.

5.2 Flow Beneath the Class III Facility

Flow beneath the Class III facility is evaluated in two areas: the eastern and central area where the gradient is relatively flat, and the southwestern area where the gradient is relatively steep.

5.2.1 Eastern and Central Areas

A hydraulic gradient of 0.033 ft/ft has been estimated for groundwater beneath the waste-filled eastern and central portion of the Class III facility. The estimate was made using the difference in potentiometric elevation and the distance along a theoretical flow line between the 710- and the 680-foot contours near the center of the waste-fill area (30 feet and 900 feet; Figure 3). The average groundwater seepage velocity was determined using the calculated hydraulic gradient, a high and a low hydraulic conductivity of 1.4×10^{-3} and 1.0×10^{-5} cm/sec, and effective porosity values of 9 and 10 percent. The estimated groundwater seepage velocity beneath the waste-filled eastern and central portion of the Class III facility ranged from 3 to 530 ft/yr.

5.2.2 Southwestern Area

A hydraulic gradient of 0.12 ft/ft has been estimated for groundwater beneath the waste-filled southwestern portion of the Class III facility. The estimates were made using the difference in potentiometric elevation and the distance along a flow-path between the 670- and the 640-foot contours near the southwest corner of the waste-fill area (30 feet and 250 feet; Figure 3). The average groundwater seepage velocity was determined using the calculated hydraulic gradient, a high and low hydraulic conductivity of 1.4×10^{-3} and 1.0×10^{-5} cm/sec, and effective porosity values of 9 and 10 percent. The estimated groundwater seepage velocity beneath the waste-filled southwestern portion of the Class III facility ranged from 12 to 1,900 ft/yr.

5.3 Flow Beneath the Field Adjacent to the Site Entrance

Hydraulic gradients have been estimated for two areas beneath the field adjacent to the site entrance. A hydraulic gradient of approximately 0.010 ft/ft has been calculated for the zone between wells WA-13 and WA-14 using the difference in potentiometric elevation and distance between the wells (160 feet; Figure 3). A hydraulic gradient of approximately 0.010 ft/ft has been calculated for the zone between WA-11 and WA-20 using the difference in potentiometric elevation and distance between wells WA-11 and WA-20 (1,605 feet; Figure 3).

The average groundwater seepage velocity was determined using the calculated hydraulic gradients, a high and a low hydraulic conductivity of 3.1×10^{-3} and 4.8×10^{-5} cm/sec, and an effective porosity value of 3 percent. The estimated groundwater seepage velocity for the zone between wells WA-13 and WA-14 ranged from 17 to 1,070 ft/yr. The estimated groundwater seepage velocity for the zone between wells WA-11 and WA-20 ranged from 17 to 1,080 ft/yr. The relatively large difference in

estimated velocities is the result of the two orders-of-magnitude difference between the high and low hydraulic conductivity values for valley fill alluvium.

5.4 Vertical Hydraulic Gradients

Several well sets or pairs were installed at the John Smith Road Landfill to characterize the groundwater vertical gradient. The closed Class I facility has the nested set of wells E-1/E-9/E-14, and the well pairs E-3/E-8, E-12/E-13, and E-15/E-16. The field adjacent to the site entrance has the well pairs WA-10/WA-8 and WA-14/WA-15. The vertical hydraulic gradients at these areas were calculated by dividing the potentiometric elevation difference in a well pair (or two of the three wells in the three-well nest) by the distance between the filter-pack midpoints of those two wells. The potentiometric elevations are presented on Table 6. The filter-pack midpoints were derived from the data on Table 2. Both upward and downward vertical gradients are present at the site; the magnitude is small. The values for the fourth quarter are presented on Table 7; calculations are presented in Appendix B.

6.0 SAMPLING AND ANALYSIS

Groundwater samples were collected and analyzed for the parameters with a semi-annual or annual monitoring frequency identified in MRP 2010-0021. These requirements are summarized in Table 1. Samples were collected in bottles provided by BC Laboratories.

In addition to groundwater sampling, soil-gas field measurements were taken with field instruments in both the third and fourth quarters, and Summa canisters were used in the fourth quarter to collect soil gas from several locations for laboratory analysis of VOCs. A landfill gas and a condensate sample were collected from the flare, and a leachate samples was collected from the Module 3A sump in November and December and analyzed for VOCs.

6.1 Water-Level Measurements

Depth to groundwater was measured in all site monitoring wells on October 30, 2012. The depth to groundwater was measured with an electric water-level sounder. Depths to water were recorded on the Water Level Data Field Sheets (Appendix C). The total well depths were measured in wells (dedicated pumps were pulled) during the second quarter 2010 event. This casing length information is presented on Table 2 along with the "as-built" information. There has been no significant change in total casing length since the last measurements in May 2007. In most cases, the second quarter 2010 measurements were within ½ foot of the as-built length. In some instances however, end caps and casing stickup (the length of casing above the original ground surface at construction) were not recorded, or the casings have been modified since construction. During the third quarter 2007, the casing of well W-3 was trimmed by 30 feet as part of the construction of a new landfill module; the well was resurveyed in May 2008. In August 2011, the casing for well W-2 was also trimmed 30 feet to allow for excavation.

6.2 Groundwater Sample Collection

Groundwater samples were collected in the fourth quarter to comply with MRP 2010-0021 requirements. Class III detection monitoring wells E-2, E-15, WA-11, WA-15, and CP-25, and Class III corrective action monitoring wells W-4, W-5, WA-8, WA-9, WA-10, WA-12, WA-19, WA-20, CP-30, CP-31, G-32, and G-33 were sampled on October 31 and November 1 and 2, 2012 for the routine parameters listed in Table 1.

Groundwater extraction wells EW-1, EW-2, EW-3, EW-4, and EW-5 were sampled during the third and fourth quarters for VOC analysis.

6.2.1 Field Procedures

Groundwater sampling was performed consistent with the protocols in the approved September 2010 Site-Specific Water-Quality Monitoring Plan. Class III wells were purged with bladder pumps until field parameters stabilized. Field measurements were recorded during purging. Measurements include time of purge, volume removed or flow rate, temperature, electrical conductivity, pH, turbidity, color, dissolved oxygen, oxidation/reduction potential (ORP), and sheen and odor. Measurements were made with a YSI 556 multi-parameter water-quality meter, which has a temperature range of -0.5 to 45.0 degrees C, a pH range of 0 to 14, an electrical conductivity range of 0 to 200,000 micromhos per centimeter (µmhos/cm), a dissolved oxygen range of 0 to 50 milligrams per liter (mg/L), and oxidation reduction potential (ORP) range of -999 to +999 mV. Turbidity was measured with a Oakton meter that has a turbidity range of 0 to 999 nephelometric turbidity units (NTU). Field instruments were calibrated daily; documentation is included on the water-sample field data sheets in Appendix C.

Samples were collected using dedicated bladder pumps for most monitoring wells. Wells G-32 and G-33 were sampled with disposable bailers. Because the extraction wells are routinely pumping at the

time of sample collection, no "presample purge" was performed. Field sheets that contain the names of the personnel and the equipment used for purging and sampling are included in Appendix C.

Bottles at each well were filled in the approximate order of parameters listed on the chain-of-custody; samples for VOC analysis were collected first. This order is consistent with the sampling and analysis procedures in Appendix B of the September 2010 Site-Specific Water-Quality Monitoring Plan. VOC sample bottles were filled so there was no head space. Head space minimization is not a requirement for the other sample analyses because those compounds are not considered volatility sensitive by state certified laboratories.

Chain-of-custody documentation accompanied the samples through collection and delivery to the analytical laboratory. Samples were kept on ice in the field and throughout transport. Samples were placed in a refrigerator for overnight storage before pick up by the analytical laboratory. Groundwater samples were analyzed by BC Laboratories, Inc. of Bakersfield, California. BC Laboratories is a California State-Certified analytical laboratory (CA ELAP Certificate Number 1186). The certified analytical reports and chain-of- custody forms are located in Appendix D.

Field quality control (QC) samples collected during the fourth quarter sampling event consisted of blind duplicate groundwater samples collected at wells CP-30 (DUP-1) and W-5 (DUP-2), and one trip blank.

The DUP-1 and DUP-2 samples was analyzed for the Class III VOCs. The trip blank was also analyzed for VOCs by EPA method 8260B. The duplicate samples were collected immediately following collection of the primary sample; well identification information were not provided to the laboratory until after analyses so that the samples could be coded for GeoTracker input. The duplicate sample number and location are consistent with the September 2010 Site-Specific Water-Quality Monitoring Plan.

6.3 Analytical Procedures

The analytical methods for the routine monitoring parameters and COC analyses are shown on Table 1. Analyses were performed as specified in *Test Methods for Evaluating Solid Waste: Physical/Chemical Methods* (U.S. Environmental Protection Agency [USEPA] SW-846, September 1994 and updates) and *Methods for Chemical Analysis of Water and Wastes* (USEPA 600/4-79-020, March 1983 and updates). It is important to note that laboratory reporting limits for some groundwater analyses were lowered beginning in the third quarter 2000, and current reporting limits are generally lower than those used in previous events. Consequently, parameters that were previously reported as "not detected" may now be quantified at lower values than the older reporting limits. The certified analytical reports, which contain analytical results, the dates the samples were received, prepared, and analyzed, laboratory QC, and signature of the person responsible for the analyses, are included in Appendix D.

The laboratory data-quality objectives for each method are also included in Appendix D. They include specific compounds analyzed by the various methods, the method detection limit and typical method reporting limit, surrogate compounds used in QC work along with the acceptance range for surrogate recovery, duplicate relative percent difference (RPD), matrix spike percent recovery and RPD, and blank percent recovery and RPD.

6.4 Quality Control Results

Field QC sample results and laboratory QC data were evaluated to assess the acceptability of the analytical data, and therefore their usefulness in interpreting changes in water quality. Laboratory QC results are included with the analytical reports in Appendix D. Explanations of field and laboratory QC procedures are provided in Appendix E. Significant aspects of the QC evaluation are summarized below.

Fourth quarter laboratory analysis occurred within EPA-recommended holding times and within laboratory quality control standards. The field and laboratory QC results for the event indicate that the groundwater analytical data can be used to evaluate changes in water quality.

6.5 Soil-Gas Monitoring

Soil-gas monitoring was conducted at the perimeter soil-gas probes during the third and fourth quarter. Soil-gas concentrations of methane and oxygen were measured with a GEM 2000 and, volatile organic compounds were measured with a MiniRAE 2000 photo-ionization detector (third quarter only). The meters were calibrated to gas standards following the manufacturer's instructions before use in the field. The GEM 2000 instrument measures methane and carbon dioxide at concentrations between 0 and 100 percent and oxygen at concentrations between 0 and 25 percent. The MiniRAE has a working range of 0 to 10,000 parts per million (ppm) VOCs. VOCs were measured with a photo-ionization detector fitted with a 10.6 eV ultraviolet lamp. The measurement accuracy for 0 to 2000 ppm is 2 ppm or 10% of the reading and for VOCs greater than 2000 ppm, the accuracy is 20% of the reading. VOCs were measured in the laboratory by EPA Method TO-15 during the fourth quarter.

6.6 Landfill Gas and Condensate Monitoring

Landfill gas was sampled at the flare inlet on December 20 and landfill gas condensate was sampled on November 2, 2012. The landfill gas was analyzed for VOCs by EPA Method TO-15 and the condensate was analyzed for VOCs by EPA Method 8260. BC Laboratories performed both analyses. The results are included in Table 12.

6.7 Leachate Monitoring

Leachate is sampled from the discharge pipe at the Module 3A sump on December 20, 2012.

7.0 CLASS I FACILITY POST-CLOSURE DETECTION MONITORING PROGRAM ANALYTICAL RESULTS AND EVALUATION

Groundwater samples are only collected during the 5-year COC event for the Class I Post-Closure monitoring pursuant to the MRP. The next scheduled event is in the spring of 2015.

8.0 CLASS III FACILITY ANALYTICAL RESULTS AND EVALUATION

Groundwater analytical results for the Class III facility are discussed in this section; well locations are shown on Figure 2. Laboratory reports are included in Appendix D. Fourth quarter 2012 samples were analyzed for routine parameters. Groundwater extraction well sample results are discussed in the next section.

8.1 Detection Monitoring Program

Groundwater analytical results for the Class III Area detection monitoring program wells E-2, E-15, WA-11, WA-15, and CP-25 are discussed in this section. The laboratory results from wells E-2 and WA-15 are evaluated for measurably significant changes relative to concentration limits derived from background well E-15 or WA-11 per the evaluation procedures defined in MRP 2010-0021 and in the approved Site-Specific Water-Quality Monitoring Plan. Well CP-25 results are evaluated relative to concentration limits derived from historical data from well CP-25 (i.e., intrawell background limits) because the well monitors groundwater in a highly mineralized water-bearing zone, and comparison of results with upgradient water quality is inappropriate.

Measurably significant changes are tentative indications of a release. The background concentration limits are statistically derived using either the interwell or intrawell tolerance interval method identified in CCR Title 27, §20415(e)(8)(C) for data populations with less than 90 percent nondetects, or the nonstatistical method identified in MRP 2010-0021 for data populations with greater than 90 percent nondetects. Details of the evaluation techniques are presented in Appendix F. The field and laboratory analytical results for groundwater samples collected during the fourth quarter are presented in Table 8.

8.1.1 Organic Compounds

Groundwater from the Class III detection monitoring wells was analyzed for VOCs. Results of the analyses are presented in Table 8. No organic compounds were reported in the samples from the Class III detection monitoring wells with the exception of dichlorodifluoromethane, which was reported at a trace level of 0.30 micrograms per liter (µg/L) in the sample from background well E-15.

VOCs have previously been detected in the sample from background well E-15 beginning in the third quarter 2000 event when low to trace-level VOCs were initially reported in samples from the well. An Amended Report of Waste Discharge was submitted to the RWQCB in November 2000[51] in compliance with Part IV. C.4 of Monitoring and Reporting Program No. 94-75 and 27 CCR §20420(k)(5). Landfill gas was the suspected source. As stated in Section 4.5, seven landfill gas extraction wells that are within approximately 300 feet of well E-15 began operating on May 17, 2003, (see Figure 2 for well locations) and gas extraction has reduced the methane concentrations in the soil gas in probes GP-10R, GP-10Y, and GP-10G since extraction began (See Appendix C for methane values). As the gas concentrations have been reduced, the number of VOCs detected in groundwater samples from well E-15 has decreased and VOCs (often as laboratory artifacts) are only sporadically detected in E-15 groundwater samples.

8.1.2 General Water-Quality Parameters

Groundwater from the Class III detection monitoring wells was analyzed for bicarbonate alkalinity, chloride, nitrate plus nitrite as nitrogen, pH, and electrical conductivity. Results are presented in

[51] Conor Pacific letter to John Robertson, RWQCB, November 30, 2000, Re: Amended Report of Waste Discharge, Wells W-4 and WA-20, John Smith Road Class III Landfill, San Benito County, California.

Table 8. The fourth quarter parameters were reported at concentrations below their respective concentration limits.

8.2 Corrective Action Monitoring Program

Groundwater analytical results for the Class III Area corrective action monitoring program wells W-4, W-5, WA-8, WA-9, WA-10, WA-12, WA-19, WA-20, CP-30, CP-31, G-32, and G-33 are discussed in this section. Wells W-4, W-5, WA-19, CP-30, CP-31, G-32, and G-33 are on site; the remainder are off site in the field adjacent to the site entrance (Figure 2). The groundwater quality is evaluated by comparing individual parameter concentrations to the MCL cleanup criteria established in the Post-Closure Permit. These cleanup criteria are the MCLs defined in CCR Title 22, §64435, §64444, and §64473. Field and laboratory results for the fourth quarter, along with the MCL cleanup criteria, where established, are presented in Table 9. Laboratory reports are included in Appendix D. Time-series plots of VOCs that have been detected in more than one event in a well are presented in Appendix G; historical tabular data through the end of 2012 were presented in Appendix H.

8.2.1 On-Site Wells

Well W-4. Four trace-level VOCs and one low-level VOC were detected in the sample from well W-4. The trace-level VOCs include carbon disulfide at 0.45 µg/L, tetrachloroethene at 0.20 µg/L, trichloroethene at 0.17 µg/L, and vinyl chloride at 0.14 µg/L. The low-level VOC was *cis*-1,2-dichloroethene at 0.56 µg/L

The fourth quarter concentrations are near the low end of the range of historical concentrations reported for well W-4 (see Appendix G), and all VOCs were at concentrations below the MCL cleanup criteria in the fourth quarter.

After VOCs were detected in groundwater from well W-4 in the June 2000 event, an Amended Report of Waste Discharge was submitted to the RWQCB in November 2000[52] in compliance with 27 CCR §20420(k)(5). The source of VOCs in W-4 was determined to be landfill gas. Several landfill gas extraction wells were installed and the gas extraction system began operating in May 2003. Additional wells were installed, and as stated in Section 4.5, there are currently eleven landfill gas extraction wells are within approximately 500 feet of well W-4. The enhanced gas extraction system has had a positive effect on the landfill gas impacts to groundwater surrounding well W-4. Since mid-2008, vinyl chloride, *cis*-1,2-dichloroethene, and tetrachloroethene values have downward trends. The total VOC concentration has fluctuated between approximately 2 and 5 µg/L, and the fourth quarter 2012 value is near the lowest detected since 2000 when trace-level concentrations were first reported.

Well W-5. Three trace-level and four low-level VOCs were reported in the fourth quarter sample from well W-5. This is the same impact zone as the release at well W-4. The VOCs were benzene at a trace level of 0.10 µg/L, dichlorodifluoromethane at a trace level of 0.22 µg/L, 1,1-dichloroethane at a trace level of 0.23 µg/L, *cis*-1,2-dichloroethene at 2.9 µg/L, tetrachloroethene at 3.9 µg/L, trichloroethene at 0.75 µg/L, and vinyl chloride at 1.4 µg/L. All but vinyl chloride are below the MCL cleanup criteria. The current values are within or close to their historical range similar to the previous event; in 1990 and 1991, the total VOC concentrations varied from approximately 2 to 12 µg/L range (see Appendix H). No VOCs were detected in samples from W-5 from 1992 until 2002 when detection limits were lowered. Through the late 2000s, total VOC concentrations gradually increased from approximately

[52] Conor Pacific letter to John Robertson, RWQCB, November 30, 2000, Re: Amended Report of Waste Discharge, Wells W-4 and WA-20, John Smith Road Class III Landfill, San Benito County, California.

1 to 10 µg/L; they appear to be stabilizing for the past few years. The VOCs are likely the result of landfill gas impacts to groundwater. The predicted soil-gas/groundwater equilibrium concentrations from the fourth quarter 2012 event for adjacent deep gas probe GP-2AG provided a close estimate to the values reported in groundwater from W-5 during this event. The recent improvement to the landfill gas extraction system appear to be having a positive effect, but because of the slow movement of groundwater in the W-5 area, the effects of landfill gas extraction will take time.

Wells WA-19, CP-30, and CP-31. No VOCs were reported in the fourth quarter samples from wells WA-19, CP-30, or CP-31.

Well G-32. The fourth quarter sample from well G-32 contained eight trace- to low-level VOCs at concentrations between 0.11 and 4.6 µg/L. All of the compounds were detected below MCL cleanup criterion. The groundwater monitored at well G-32 is within the capture zone of extraction well EW-3.

Well G-33. The fourth quarter groundwater sample from well G-33 contained seven trace- to low-level VOCs at concentrations between 0.14 and 3.2 µg/L. All of the compounds were below MCL cleanup criterion and individual low-level VOCs have decreasing concentration trends.

8.2.2 Off-Site Wells

Well WA-8. Four trace-level VOCs were reported in the sample from well WA-8. Concentrations ranged from 0.16 to 0.40 µg/L. All were below MCL cleanup criterion.

Well WA-9. No VOCs were detected in the sample from well WA-9.

Well WA-10. Four trace-level VOCs were detected in the sample from well WA-10. Concentrations ranged from 0.38 to 0.97 µg/L. All were below MCL cleanup criterion.

Well WA-12. Ten VOCs were detected in the sample from well WA-12; five were reported in the trace concentration range. Three VOCs, 1,2-dichloroethane (0.75 µg/L), *cis*-1,2-dichloroethene (8.3 µg/L), and trichloroethene (7.1 µg/L), were above their MCL cleanup criterion. The groundwater monitored at well WA-12 is within the capture zone of extraction well EW-3.

Well WA-20. Two trace-level VOCs, tetrachloroethene (0.24 µg/L) and trichloroethene (0.48 µg/L), were detected in the sample from well WA-20. Both are below the MCL cleanup criterion.

Wells WA-8 and WA-10 are a deep/shallow well pair adjacent to and upgradient from extraction well EW-2. The lower concentration of VOCs in the deeper well WA-8 indicates that the VOC impact zone remains near the surface, within the screened interval of nearby extraction well EW-2 (see Table 2 for screened intervals).

8.3 Surface Water Monitoring Program

Surface water samples are to be collected, at a minimum, after two storm events during the rainy season at the storm water runoff sampling locations SP-1, SP-2, and SP-3. The routine monitoring parameters are identified in Table 1. Storm water runoff samples were collected on November 28, 2012 from station SP-1 (near site entrance); there was no flow at stations SP-2 and SP-3. The results are presented in Table 10.

8.4 Soil-Gas Monitoring Program

Soil-gas monitoring probes were monitored quarterly with field instruments for methane, carbon dioxide, oxygen, and VOCs. Quarterly status reports have been submitted to the EA by the County

Integrated Waste Management Department. Probe locations are shown on Figure 2. Quarterly field monitoring results are included in Appendix C.

8.4.1 Soil-Gas Methane

During both the third and fourth quarter, the methane concentration in soil gas was below the 5 percent regulatory limit [27 CCR §20919.5(a)(2)]. Quarterly field measurements for methane are included in Appendix C.

8.4.2 Soil-Gas VOCs

VOCs were field measured in the gas probes during the third quarter. During the fourth quarter, VOCs were collected in Summa canisters and analyzed in the laboratory; several compounds were detected at trace to low levels. Field monitoring results are included in Appendix C, laboratory results are in Table 11. Soil-gas to groundwater equilibrium calculations are included in Appendix J.

8.5 Landfill Gas Header and Condensate Monitoring Program

As anticipated, significant concentrations of VOCs are present in the landfill gas and in the condensate. The total VOC concentration in the landfill gas sample collected on December 20 was 21,980 parts per billion. Aromatic compounds (e.g., benzene, toluene, xylenes) are the dominant group of VOCs. Results are in Table 12.

The total VOC concentration in the landfill gas condensate sample collected on November 2 was 24,200 µg/L. Ketones and alcohols (e.g., acetone, methyl ethyl ketone, tert-butyl alcohol) are the dominant group of VOCs. Results are in Table 12.

9.0 GROUNDWATER EXTRACTION SYSTEM

The analytical results for on-site extraction wells EW-1, EW-4, and EW-5 and off-site extraction wells EW-2 and EW-3, along with an evaluation of the effectiveness of the groundwater extraction system, are presented in this section. The effectiveness evaluation of wells EW-1 through EW-5 is based on achieving the goals of the two systems defined in the original Post-Closure Permit. The goal of the on-site extraction system is to hydraulically contain the VOCs in groundwater to eliminate continued off-site migration. The goal of the off-site extraction system is to hydraulically contain the VOC plume to stop downgradient migration and to reduce the concentration of the VOCs to below health-based levels. Analytical results for the third quarter are presented in Table 13 and analytical results for the fourth quarter are presented in Table 14. Laboratory reports are included in Appendix D.

9.1 Third Quarter 2012 Analytical Results

Laboratory results for the third quarter samples from EW-1, EW-2, EW-3, EW-4, and EW-5, as well as the cleanup criteria established in the original Post-Closure Permit and the discharge limits established in the Wastewater Discharge Permit, are presented in Table 13. In addition to these cleanup criteria and discharge limits, the Monterey Bay Unified Air Pollution Control District Permit established 59 µg/L as the maximum concentration for vinyl chloride in the extracted groundwater being sent to the City of Hollister Domestic Water Treatment Plant.

Fifteen VOCs were detected in extracted groundwater in the third quarter 2012 at concentrations ranging from 0.10 to 22 µg/L. Four of the fifteen VOCs were detected only in the trace concentration range; three of the fifteen exceeded their cleanup criterion, and all were below the maximum-concentration discharge limits of the Wastewater Discharge Permit. No compounds were detected above the cleanup criteria in on-site wells EW-1 and EW-5 or in off-site wells EW-2 and EW-3. Three compounds were above the cleanup criteria in on-site well EW-4 (*cis*-1,2-dichloroethene, trichloroethene, and vinyl chloride).

The maximum vinyl chloride concentration in the third quarter was 3.6 µg/L, below the wastewater discharge limit and the Monterey Bay Unified Air Pollution Control District discharge limit.

9.2 Fourth Quarter 2012 Analytical Results

Field and laboratory results for the fourth quarter samples from EW-1, EW-2, EW-3, EW-4, and EW-5, as well as the cleanup criteria established in the original Post-Closure Permit and the discharge limits established in the Wastewater Discharge Permit are presented in Table 14.

Fifteen VOCs were detected in extracted groundwater in the fourth quarter 2012 at concentrations ranging from 0.12 to 19 µg/L. Four of the fifteen VOCs were detected only in the trace concentration range, three of the fifteen exceeded their cleanup criterion, and all were below the maximum-concentration discharge limits of the Wastewater Discharge Permit. No compounds were above the cleanup criteria in on-site wells EW-1 and EW-5 or in off-site wells EW-2 and EW-3. Three compounds were above the cleanup criteria in on-site well EW-4 (*cis*-1,2-dichloroethene, trichloroethene, and vinyl chloride).

The maximum vinyl chloride concentration in the second quarter was 2.8 µg/L, below the waste water discharge limit and the Monterey Bay Unified Air Pollution Control District discharge limit.

9.3 Extraction System Effectiveness

The groundwater extraction system began initial operation in 1993 and was operated continuously (excluding periods of testing and maintenance) until December 1997 when the landfill entrance

modifications began. The system was restarted in December 1999 and has remained in operation since then (excluding periods of maintenance). The system is automated to maintain an inward flow of groundwater toward each well. Since the startup of the groundwater extraction system, significant progress has been made toward achieving the goals of the on-site and off-site systems.

9.3.1 Extraction System Modifications

During the fourth quarter 2000, pump inlet depths and pump control settings were adjusted to improve the extraction system capabilities. The pump inlets in on-site wells EW-1 and EW-4 were lowered to approximately 5 feet from the bottom of the casing. On May 4, 2001, the pumps where switched from level controls to the more efficient Pump Saver® controls, which shut the pumps off when the water level drops to the pump inlet and restart the pumps after a preset time delay. The time delay was initially set at 3 minutes. The delay times have been adjusted several times in the past 11 years; current settings are included in Appendix A. In mid-2008, new on-site well EW-5 was added to the system. Water levels in the three on-site wells are maintained between approximately 590 and 600 feet, MSL (greater than 75 feet below ground surface and 25 to 55 feet below the projected static potentiometric surface at the wells). Water levels in the two off-site wells are maintained between approximately 580 and 590 feet, MSL (greater than 40 feet below ground surface and 20 to 40 feet below the projected static potentiometric surface at the wells).

9.3.2 On-Site System

Corrective action assessment monitoring wells W-7 and WA-12 have been used to monitor impacted groundwater leaving the site. Well G-32 has also been used to monitor groundwater when well W-7 had insufficient water for sample collection, and now that well G-7 has been abandoned, well G-32 will be used. Wells W-7, WA-12, and G-32 are located downgradient from the on-site system, and a short distance upgradient from off-site extraction well EW-3. The VOC concentrations in wells W-7 and WA-12 have been significantly reduced since on-site system startup, and the concentrations measured in well G-32 since its installation in 2006 are significantly below the pre-extraction values for wells W-7 and WA-12. The overall declining concentrations indicate that the on-site groundwater extraction system has been effective at capturing impacted groundwater. Improvements in landfill operations have reduced leachate production thus reducing the identified source for the historic impact. Historical time-series plots in Appendix G show that all VOCs have been reduced to levels below the MCL cleanup criteria in wells W-7 and WA-12 for most events between approximately 2001 and 2009 (note that the cleanup criteria is the same or slightly lower than some of the compound historical minimum reporting limits). Since 2009, the MCL cleanup criteria have periodically been exceeded.

Fourth quarter 2012 results for well WA-12 (Table 9) confirm the declining trends although the MCL for three compounds was exceeded this event. The VOCs exceeding their MCLs in the sample from well WA-12 are the same VOCs that had previously exceeded their MCLs in samples from well G-32, which is approximately 200 feet upgradient from well WA-12. None of the VOCs in the fourth quarter sample from well G-32 exceeded their MCLs, and it is likely that the slightly elevated VOCs in the sample from well WA-12 will diminish as cleaner water in the G-32 area flows toward WA-12 on its way to extraction well EW-3.

The individual VOC concentrations and the total concentration for extraction well EW-4 are higher than those for wells EW-1 or EW-5 (see Tables 13 and 14). This distribution indicates that the center of the VOC plume is travelling toward extraction well EW-4 where it is being captured and hydraulically contained. The County is aware that the MCL cleanup criteria are periodically exceeded and has reduced the pump-off interval in extraction well EW-4 (see Appendix A) to produce a larger capture zone to remove more impacted groundwater.

9.3.3 Off-Site System

Class III detection monitoring wells WA-11 and WA-15 and Class III corrective action monitoring well WA-9 are used to monitor off-site groundwater near extraction well EW-3 in the eastern portion of the field adjacent to the site entrance (Figure 2). Well WA-9 and WA-11 monitor groundwater that is upgradient from extraction well EW-3; well WA-15 monitors groundwater that is downgradient (Figure 3). Review of the historical VOC data for these three monitoring wells (Appendix H) indicates that, with the exception of the laboratory contaminants, VOCs have not been detected since the system began operating. The absence of VOCs in groundwater downgradient from extraction well EW-3 (where the third and fourth quarter 2012 results showed there were only a few trace- to low-level VOCs) indicates that the extraction well is capturing the VOC-impacted groundwater historically detected in wells W-7, WA-12, and G-32, and is hydraulically containing the southern portion of VOC plume to stop downgradient migration.

As stated above, it is likely that a small portion of the plume monitored by well G-33 was bypassing onsite extraction well EW-4 on the north side. This groundwater remains outside the capture zone of extraction well EW-3 as it flows down to the valley floor toward capture in extraction well EW-2. The compositional similarity of the VOCs reported in well G-33 with those reported in downgradient wells WA-8 and WA-10 suggests that the VOC plume is continuous with decreasing concentrations from well G-33 to wells WA-8 and WA-10. If correct, this may explain the ongoing presence of trace-level VOCs in wells WA-8 and WA-10 while the VOC concentrations in other corrective action monitoring wells have been substantially reduced in recent years. Although the plume appears to be slightly wider than previously thought and may be continuous from well G-33 to wells WA-8 and WA-10, the extent of groundwater with VOCs above the MCL has not changed substantially from interpretations before well G-33 was installed. Again, the County installed new groundwater extraction well EW-5 on-site in March 2008, with start-up in June 2008, to capture this water, and since May 2009, the total VOC concentration in groundwater at well G-33 has been steadily decreasing, from approximately 22 µg/L to a current value of approximately 7 µg/L.

Two trace-level VOCs were detected in the fourth quarter sample from corrective action assessment monitoring well WA-20 (Table 9). Well WA-20 is downgradient from extraction well EW-2. The VOC concentrations are below the MCL cleanup criteria. They are also lower than concentrations reported in the first three years of monitoring (1994 and 1997) and below the detection limits reported between 1997 and 2000 (method detection limits used between 1997 and 2000 were higher than those used in the 1994 to 1997 interval and VOCs were all reported as "ND"). The VOC trichloroethene, which has always been below 1 µg/L, has been on declining trends since 2001 and tetrachloroethene, which has always been below 0.5 µg/L, is only intermittently present.

No VOCs were detected in the fourth quarter sample from downgradient well CP-25. All cleanup criteria have been surpassed in the area near extraction well EW-2 during the third and fourth quarter 2012 sampling events.

9.3.4 Zones of Groundwater Impact

In August 2003, the DTSC requested that the leachate source area for VOCs in groundwater, which instigated the corrective action program, and the extent of VOCs in groundwater beneath the landfill be shown on maps submitted in the semi-annual reports. Because there are no current data for groundwater in the source area beneath the landfill, the approximate source area as depicted in 1993 has been added.[53] It is important to note that the current groundwater conditions in the source area

[53] Additional Studies Report - Volume I (On-Site Investigations). Wahler Associates. March 1993.

upgradient from the point of compliance are unknown. Based on a telephone conversation with Ms. Kate Burger of the DTSC in January 2004, the source area for groundwater impacts attributed to leachate was to be differentiated on the maps from the source area attributed to landfill gas.

Figure 6 shows the approximate areas where one or more VOCs exceed their respective MCL during the fourth quarter. The leachate source has been differentiated from the landfill gas source. Figure 6 shows that a small area immediately upgradient from extraction well EW-3 has groundwater where the MCLs are exceeded. Cleanup criteria have been achieved in off-site groundwater in all but a few events since November 2003.

Figure 7 shows the approximate areas where total VOCs (including estimated trace values) are greater than 1 µg/L during the fourth quarter. The leachate source area has been differentiated from the landfill gas source area.

10.0 2012 ANNUAL SUMMARY

This section contains a discussion of the compliance record and a summary of the landfill operations and water quality monitoring conditions between January 1 and December 31, 2012. Water-quality monitoring was conducted consistent with the requirements contained in the monitoring and reporting section of WDR 2010-0021. No new indications of a release were identified. Compliance issues are discussed below.

10.1 Groundwater Compliance Record

On July 31, 2012, the first and second quarter 2012 semi-annual monitoring report was submitted to the RWQCB, DTSC, and others.

One trace-level VOC was detected in groundwater samples from the site's detection monitoring network during the first semi-annual event; dichlorodifluoromethane was detected in the sample from background detection monitoring well E-15 at an estimated value of 0.39 µg/L; it was also detected during the second semi-annual event at an estimated value of 0.30 µg/L. Trace-level VOCs have historically been detected in samples from background well E-15, initially during the third quarter 2000, and their occurrence was discussed in an Amended Report of Waste Discharge submitted to the RWQCB in November 2000[54] in compliance with Part IV. C.4 of Monitoring and Reporting Program No. 94-75 and 27 CCR §20420(k)(5). The source was determined to be, and continues to be landfill gas. During the second quarter 2004, two trace-level VOCs were detected in the sample from detection monitoring well E-2, which is approximately 220 feet downgradient from well E-15. No VOCs other than known laboratory artifacts have been detected in samples from E-2 since that event until the fourth quarter 2009 when a single trace-level VOC was detected; VOCs have not been detected since then. The VOC source for well E-2 was the same as the source for well E-15. Expansion of the landfill gas extraction well network to include coverage in the well E-15 area was completed in the spring of 2003 and enhanced in 2004, and extraction began in the second quarter of 2003; details are discussed in Section 4.5 of the report. The landfill gas extraction system operator has been directed to continue focused efforts on landfill gas extraction in the well E-15 area.

10.2 Landfill Operations

Landfill operations were performed consistent with the provisions and specifications of WDR 2002-0001 and with WDR 2010-0021, which superseded the 2002 WDR in May 2010. In 2012, approximately 115,212 tons of waste were received at the landfill, 22,652 tons were diverted, and the remaining 92,560 tons were landfilled. Quarterly tonnages are summarized on Table 3. The approximate fill area for the third and fourth quarters are shown on Figure 3. First and second quarter fill areas were shown in the first semi-annual monitoring report.

10.3 Landfill Gas Extraction

The landfill gas extraction system flare, which was shut down by regulatory request in February 2000, was restarted on March 19, 2001. Through the end of 2002, an estimated 24 million standard cubic feet of methane had been extracted from the landfill.

In April 2003, the second phase of the landfill gas extraction system was constructed, and in July 2004, six additional gas extraction wells were installed in the eastern portion of the Class III area. In 2008,

---

[54] Letter to John Robertson, RWQCB, from Conor Pacific, November 30, 2000, Re: *Amended Report of Waste Discharge, Wells W-4 and WA-20, John Smith Road Class III Landfill, San Benito County, California*.

two replacement wells and a new well were installed in the western portion of the landfill, and in December 2010, three new wells were installed on the northern portion of the top deck. In June 2012, a new landfill gas flare assembly was installed; full-time operation began in late June.

The system includes thirty-two gas extraction wells; twenty wells are within 500 feet of impacted groundwater well W-4 and W-5, and nine are within 300 feet of impacted well E-15. Location of gas extraction system components are shown on Figure 2. During 2012, approximately 100,270,000 standard cubic feet of landfill gas (primarily methane and carbon dioxide) and 458 kilograms of VOCs were extracted from the landfill (see Table 5).

The landfill gas extraction system was periodically shut down during 2012 because of equipment malfunctions. The system was operated approximately 85 percent of the total available time in 2012.

10.4 Rainfall Data

Rainfall records for 2012 are presented in Appendix A. The records are for San Benito County Station #126 (San Benito County Water District [www.sbcwd.com]). During 2012, the measured precipitation was 8.67 inches. Historical records from July 1874 to June 2000 indicate the average annual precipitation (July 1 to June 30 the following year) is 13.12 inches. The maximum 24-hour accumulation during 2012 was 1.5 inches on November 30. This 24-hour precipitation event is less than the 2-year storm (see Table A-1 in Appendix A).

10.5 Groundwater Extraction

The groundwater extraction system was operating during 2012. It was periodically shut down for maintenance. The system is automated to maintain groundwater inflow toward each well. The pump controls were changed from level controls to more efficient Pump Saver® controls in May 2001; pump restart times were set at 3 minutes. Reset times have been adjusted since then to optimize pump efficiency. Details are presented in Appendix A.

Flow-meter readings were taken routinely by landfill or County staff. The readings from the beginning and end of each quarter, the total extracted volume, and the gallon-per-day flow rate are summarized on Table 4. During the 2012 monitoring year, on-site extraction wells EW-1, EW-4, and EW-5 removed approximately 240,057 gallons of groundwater and 45 grams of VOCs. During the 2012 monitoring year, by off-site wells EW-2 and EW-3 removed approximately 836,786 gallons and 14 grams of VOCs. The routine flow meter readings, along with calculated extraction rates (in gallons per day and gallons per minute) are included in tabular and graphical format in Appendix A. The extracted groundwater was discharged to the sanitary sewer system consistent with Wastewater Discharge Permit 92-002 and Amendments; no discharge limits were exceeded.

10.6 Groundwater Gradients and Flow Velocities

Groundwater elevations were measured in the second and fourth quarter in all site monitoring wells. Water levels were measured on May 16 and October 30, 2012. Hydrographs for the Class I and Class III wells, which include historical data back to 1987, are presented on Figures 4 and 5; historical groundwater elevation tables are presented in Appendix I. Groundwater contour maps were prepared for the second and fourth quarter in 2012; a map for the second quarter was presented in the first semi-annual monitoring report and a map for the fourth quarter is presented on Figure 3 of this semi-annual/annual report.

The horizontal and vertical groundwater gradients were consistent throughout the year. Groundwater beneath the Class I facility flowed toward the south and southeast, away from the Class III facility while flow beneath the Class III facility was toward the west and southwest, away from the Class I facility.

Both upward and downward vertical gradients, all of very low magnitude were recorded beneath the Class I facility. Second quarter values were presented in the first semi-annual report; fourth quarter values are contained in Table 7.

10.7 Groundwater Sampling and Analysis

Groundwater monitoring during the 2012 monitoring year was conducted consistent with the requirements contained in MRP 2010-0021.

Groundwater samples were collected with dedicated pumps from all Class III wells except G-32 and G-33 in the second and fourth quarter; the latter two wells were sampled with disposable bailers. Class III Detection Monitoring wells and the Corrective Action Monitoring wells were sampled for semi-annual parameters during the second and fourth quarter. MRP 2010-0021 program parameter frequencies are shown on Table 1.

10.8 Groundwater Analytical Results and Statistical Evaluation

Analytical results for 2012 are included in the historical chemistry tables presented in Appendix H. Graphic summaries of the inorganic compounds, metals, and synthetic organic compounds that have been detected more than once in a well are presented in Appendix G.

Statistical evaluation of groundwater monitoring data at the John Smith Road Landfill is performed using the tolerance interval method. This method is used to estimate the concentration (generally the highest concentration, but two-tailed for pH) a constituent can exhibit and still be considered the same as background water quality. In other words, tolerance limits represent concentrations beyond which a measurably significant change in water quality has occurred. Concentration limits for naturally-occurring COCs and monitoring parameters are developed from historical concentrations from the "background", generally upgradient monitoring well except for well CP-25, which is evaluated from background data from within the well. Potentially significant concentrations during the 2012 monitoring year are described below and summarized on Table 16. The occurrences include single trace-level VOCs that are not known laboratory contaminants or artifacts and inorganic constituents that may be greater than concentration limits.

10.8.1 Class I Post-Closure Detection Monitoring Program

Class I post-closure detection monitoring is conducted once every 5 years for COCs. No monitoring was conducted in 2012. The next scheduled event is the spring of 2015.

10.8.2 Class III Detection Monitoring Program

10.8.2.1 Well E-15

A single trace-level VOC was detected in the second and fourth quarter 2012 sample from background well E-15. Historically, trace-level VOCs that were not artifacts have been reported in samples from this well between 2000 and 2004, and then sporadically after that. The initial occurrence was addressed in an Amended Report of Waste Discharge[55] and its source was attributed to landfill gas. No inorganic routine parameters were measurably significant during the year.

[55] Conor Pacific, November 30, 2000 letter to John Robertson, California Regional Water Quality Control Board, Central Coast Region. Subject: Amended Report of Waste Discharge, Wells W-4 and WA-20, John Smith Road Class III Landfill, San Benito County, California.

10.8.2.2 Well E-2

No VOCs were detected in the 2012 samples from compliance well E-2, and no inorganic routine parameters were measurably significant during the year.

10.8.2.3 Well WA-11

No VOCs were detected in the 2012 samples from upgradient background well WA-11, and no inorganic routine parameters were measurably significant during the year.

10.8.2.4 Well WA-15

No VOCs were detected in the 2012 samples from compliance well WA-15, and no inorganic routine parameters were measurably significant during the year.

10.8.2.5 Well CP-25

No VOCs were detected in the 2012 samples from compliance well CP-25, and no inorganic routine parameters were measurably significant during the year.

10.8.3 Class III Corrective Action Monitoring Program

Trace- to low-level VOCs were detected in samples from wells W-4, W-5, WA-8, WA-10, WA-12, WA-20, G-32, and G-33 in the second or fourth quarter. The VOC concentrations in the samples from off-site wells continue to show a decreasing concentration trend (see historical graphs).

No VOCs were detected in the 2012 samples from on-site wells WA-19, CP-30, and CP-31 or off-site well WA-9. Well W-7 was not sampled because groundwater was below the bottom of the well.

Only offsite well WA-12, which is immediately upgradient from extraction well EW-3, had VOCs that exceeded cleanup criteria established for the site.

- 1,2-dichloroethane (0.5 µg/L criterion) was detected in the first and second semi-annual samples at 0.72 and 0.75 µg/L, respectively.
- *cis*-1,2-dichloroethene (6 µg/L criterion) was detected in the first and second semi-annual samples at 8.7 and 8.3 µg/L, respectively.
- Trichloroethene (5 µg/L criterion) was detected in the first and second semi-annual samples at 6.9 and 7.1 µg/L, respectively.

During 2012, three VOCs were detected in onsite groundwater at concentrations that exceeded their cleanup criteria established for the site.

- *cis*-1,2-dichloroethene (6 µg/L criterion) was detected in the first semi-annual sample from well G-32 at 7.2 µg/L.
- Trichloroethene (5 µg/L criterion) was detected in the first semi-annual sample from well G-32 at 5.2 µg/L.
- Vinyl chloride (0.5 µg/L criterion) was detected in the first and second semi-annual sample from well W-5 at1.6 and 1.4 µg/L, respectively.

The VOCs detected in corrective action wells other than wells W-4 and W-5 represent VOCs that have been part of the leachate release detected long ago. Corrective action in the form of groundwater extraction has been very effective at containing and controlling that release. The VOCs initially

detected in the W-4 sample during the second quarter 2000 and later in samples from well W-5 represented a lateral expansion of an existing on-site VOC plume, and the source is landfill gas. An Amended Report of Waste Discharge that demonstrated the landfill gas source was submitted to the RWQCB in November 2000[56] in compliance with Part IV. C.4 of Monitoring and Reporting Program No. 94-75 and 27 CCR §20420(k)(5). Corrective action in the form of restarting the landfill gas extraction system was initiated in the first quarter 2001 after being shut down in 2000 by Monterey Bay Unified Air Pollution Control District for compliance issues. Additional landfill gas extraction wells were installed in 2003, 2004, 2008, and 2010, and in both 2004 and 2012, a larger capacity upgraded flare began operation; details are discussed in Section 4.5.

The landfill gas extraction system appears to be having a positive effect on the VOC soil-gas composition near wells W-4 and W-5. In October 2000, a soil-gas sample was collected from probe GP-2, which is near well W-5, and analyzed for VOCs. The total VOC concentration was 7,400 ppbv with vinyl chloride at 2,590 ppbv. In 2006, the last time GP-2 was tested (it did not meet the sample collection criteria in 2007 through 2012), the total VOC concentration was 16 ppbv and vinyl chloride was not detected. In December 2002, before the expanded landfill gas extraction system was in operation, the total VOC concentration in shallow, single-level probe GP-2A, also near wells W-4 and W-5, was 14,211 ppbv. The last sample from GP-2A before it was replaced with multi-level probes was in November 2008. That 2008 sample had a total VOC concentration of 163 ppbv. These significant drops indicate that the landfill gas extraction system is effective for removing VOCs from soil gas and reducing the potential for landfill gas impacts to groundwater near well W-4 and W-5.

The December 2004 soil-gas was sampled for the first time from newly installed deep probe GP-7G, which is adjacent to groundwater well W-4. The total VOC concentration in soil gas was 2,218 ppbv and the total VOC concentration is groundwater was 5.17 µg/L (vinyl chloride was 2.2 µg/L). In December 2012, the total VOC concentration in GP-7G soil gas was 645 ppbv and the total VOC concentration in W-4 groundwater was 1.52 µg/L (vinyl chloride was 0.14 µg/L]). The total VOC concentrations reported in both samples from well W-4 in 2012 are the lowest since 2000, and the VOC cleanup criterion was not exceeded in either sampling event.

Additional monitoring will be conducted to assess whether the reduction in vinyl chloride concentration in W-4 that was observed since the enhanced landfill gas extraction system began in mid 2003 will continue and whether the vinyl chloride value in W-5 can be brought back down below the MCL clean-up criteria.

[56] Letter to John Robertson, RWQCB, from Conor Pacific, November 30, 2000, Re: Amended Report of Waste Discharge, Wells W-4 and WA-20, John Smith Road Class III Landfill, San Benito County, California.

11.0 CLASS I AREA ADJUSTED POST-CLOSURE COST ESTIMATE

California Code of Regulations Title 22 Section 66264 requires owners to estimate post-closure costs and make annual adjustments for inflation. The adjusted post closure cost estimate for the Class I facility is based the post closure plan and monitoring requirements in MRP 2010-0021. These are derived from actual or estimated costs for 2007 and/or 2008, and are adjusted annually for inflation. The post-closure period is established as a minimum of 30 years. The inflation factor used in the post-closure cost calculation is obtained from CalRecycle. The updated Post-Closure cost estimate for fiscal year July 1, 2011 through June 30, 2012 is presented in Table 15.

Table 1
Water-Quality Monitoring Requirements - MRP R3-2010-0021 May 13, 2010
John Smith Road Landfill

Monitoring Program	Well Number	Volatile Organic Compounds [8260] Appendix I	Volatile Organic Compounds [8260] Appendix II	Volatile Organic Compounds [8260] Appendix IX	Volatile Organic Compounds (TO-15)	Semivolatile Organic Compounds [8270]	Organophosphorus Pesticides [8141]	Organochlorine Pesticides [8081]	Polychlorinated Biphenyls (PCBs) [8082]	Chlorophenoxy Herbicides [8151]	Carbamate and Urea Pesticides [632]	Cyanide [335.2]	Sulfide [376.1]	pH (lab)[150.1]	Electrical Conductivity [120.1]	Bicarbonate [310.1/SM2320B]	Chloride [300.0]	Nitrate plus Nitrite as Nitrogen [300.0]	Total Suspended Solids [160.2]	Total Organic Carbon [5310C]	Total Kjeldahl Nitrogen [351.2]	Anion Scan (Cl, F, NO2, NO3, PO4, SO4)	Cation Scan (Ca, Mg, K, Na)	Iron (6010)	Manganese [6010]	Antimony (6010)	Arsenic (7060)	Barium (6010)	Beryllium (6010)	Cadmium (6010)	Chromium (6010)	Cobalt (6010)	Copper (6010)	Lead (7421)	Mercury (7470)	Nickel (6010)	Selenium (7740)	Silver (6010)	Thallium (7841)	Tin (6010)	Vanadium (6010)	Zinc (6010)	Dissolved Oxygen (field measured)	pH (field measured)	Temperature (field measured)	EC (field measured)	Turbidity (field measurement)	Water Level	Methane and VOCs (field measured)
Class III Area Detection Monitoring	WA-11	S	5Y			5Y	5Y	5Y	5Y	5Y		5Y	5Y	S	S	S	S	S								5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	S	S	S	S	S	S	
	WA-15	S	5Y			5Y	5Y	5Y	5Y	5Y		5Y	5Y	S	S	S	S	S								5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	S	S	S	S	S	S	
	CP-25	S	5Y			5Y	5Y	5Y	5Y	5Y		5Y	5Y	S	S	S	S	S								5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	S	S	S	S	S	S	
	E-15/E-16		5Y			5Y	5Y	5Y	5Y	5Y		5Y	5Y	S	S	S	S	S								5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	S	S	S	S	S	S	
	E-2	S	5Y			5Y	5Y	5Y	5Y	5Y		5Y	5Y	S	S	S	S	S								5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	S	S	S	S	S	S	
Class III Area Corrective Action Monitoring	W-4	S	5Y			5Y	5Y	5Y	5Y	5Y		5Y	5Y													5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	S	S	S	S	S	S	
	W-5	S	5Y			5Y	5Y	5Y	5Y	5Y		5Y	5Y													5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	S	S	S	S	S	S	
	W-7/G-32	S	5Y			5Y	5Y	5Y	5Y	5Y		5Y	5Y													5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	S	S	S	S	S	S	
	WA-8	S	5Y			5Y	5Y	5Y	5Y	5Y		5Y	5Y													5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	S	S	S	S	S	S	
	WA-9	S	5Y			5Y	5Y	5Y	5Y	5Y		5Y	5Y													5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	S	S	S	S	S	S	
	WA-10	S	5Y			5Y	5Y	5Y	5Y	5Y		5Y	5Y													5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	S	S	S	S	S	S	
	WA-12	S	5Y			5Y	5Y	5Y	5Y	5Y		5Y	5Y													5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	S	S	S	S	S	S	
	WA-19	S	5Y			5Y	5Y	5Y	5Y	5Y		5Y	5Y													5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	S	S	S	S	S	S	
	WA-20	S	5Y			5Y	5Y	5Y	5Y	5Y		5Y	5Y													5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	S	S	S	S	S	S	
	CP-30	S	5Y			5Y	5Y	5Y	5Y	5Y		5Y	5Y													5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	S	S	S	S	S	S	
	CP-31	S	5Y			5Y	5Y	5Y	5Y	5Y		5Y	5Y													5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	S	S	S	S	S	S	
	G-33	S	5Y			5Y	5Y	5Y	5Y	5Y		5Y	5Y													5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	S	S	S	S	S	S	
	E-15	S																																															
Class I Area Post Closure Detection Monitoring	E-2			5Y				5Y	5Y		5Y					5Y					5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	S	
	E-3			5Y				5Y	5Y		5Y					5Y					5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	S	
	E-9			5Y				5Y	5Y		5Y					5Y					5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	S	
	E-17			5Y				5Y	5Y		5Y					5Y					5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	5Y	S	
Groundwater Extraction System	EW-1	A/Q																																							A/Q	A/Q	A/Q	A/Q	A/Q	S	
	EW-2	A/Q																																							A/Q	A/Q	A/Q	A/Q	A/Q	S	
	EW-3	A/Q																																							A/Q	A/Q	A/Q	A/Q	A/Q	S	
	EW-4	A/Q																																							A/Q	A/Q	A/Q	A/Q	A/Q	S	
	EW-5	A/Q																																							A/Q	A/Q	A/Q	A/Q	A/Q	S	
Other	GC Header				S																																												Q
	Condensate	S																																							S	S	S	S	S	S	
	Leachate	A																																							A	A	A	A	A	A	
	Gas Probes				A																																											Q
Storm Water	SP-1													2Y	2Y			2Y	2Y	2Y				2Y																									
	SP-2													2Y	2Y			2Y	2Y	2Y				2Y																									
	SP-3													2Y	2Y			2Y	2Y	2Y				2Y																									

S = Semiannual sampling, second and fourth quarter
A/Q = Annual sampling per MRP. Quarterly sampling per County request for Waste Water Discharge Permit compliance.
5Y = Every 5 years. Next scheduled samples to be collected in May 2015.
2Y = Twice during rainy season
Volatile Organic Compounds for Class III Detection monitoring wells include 1,4-dioxane and fuel oxygenates.
Volatile Organic Compounds for Class III Corrective Action monitoring wells include fuel oxygenates.
Semivolatile Organic Compounds for Class III Area wells should include 1,4-dioxane, pentachloroethane, 2-picoline, and pyridine

Table 2
Well Construction Summary
John Smith Road Landfill

Monitoring Point	Top-Of-Casing Elevation (ft, MSL) [1]	Casing Diameter (in)	Casing Stickup	Constructed Casing Length[2] (ft)	Measured Casing Length[3] (ft)	Measured Casing Length[4] (ft)	Measured Casing Length[5] (ft)	Screened Interval Depth (ft, BGS) [6]	Screened Interval Elevation (ft, MSL)	Filter Pack Interval Depth (ft, BGS)	Filter Pack Interval Elevation (ft, MSL)	Sample Pump Inlet Inlet Depth (ft, BTC) [7]	Sample Pump Inlet Elevation (ft, MSL)
E-1	787.27	4	1.50	72.0	71.4	71.1	71.9	60 to 70	725.8 to 715.8	52 to 70	733.8 to 715.8	no pump	--
E-2	780.20	2	1.50	102.3	101.3	101.2	100.7	70.5 to 100.5	708.2 to 678.2	66.0 to 100.5	712.7 to 678.2	100.4	680
E-3	799.30	2	1.50	126.8	122.2	121.9	122.3	100 to 125	697.8 to 672.8	94 to 125	703.8 to 672.8	121.8	678
E-8	801.22	4	1.00	146.5	144.0	143.8	143.3	140 to 145	660.2 to 655.2	136 to 145	664.2 to 655.2	143.4	658
E-9	788.53	4.5	0.73	96.4	95.7	95.6	96.0	84 to 94	703.8 to 693.8	81 to 95	706.8 to 692.8	91.5 [8]	697
E-12	798.43	4.5	0.53	113.5	111.6	111.1	111.3	101.5 to 111.5	696.4 to 686.4	97.5 to 112	700.4 to 686.4	110.4	688
E-13	799.13	4.5	0.90	140.8	139.2	138.9	138.9	128 to 138.0	670.2 to 660.2	123 to 138.5	675.2 to 659.7	no pump	--
E-14	786.95	4.5	0.71	126.4	123.6	123.1	123.3	114 to 124	672.2 to 662.2	109 to 130	677.2 to 656.2	no pump	--
E-15	762.06	4.5	3.00	62.6	62.7	62.7	62.0	48 to 58	711.1 to 701.1	43 to 60	716.1 to 699.1	58.5	704
E-16	763.17	4.5	3.00	130.8	127.2	127.1	127.1	116 to 126	644.2 to 634.2	109 to 128	651.2 to 632.2	no pump	--
E-17	787.19	2	1.00	107.9	106.3	106.2	106.2	85 to 104.5	701.2 to 681.7	79.4 to 108.8	706.8 to 677.4	104.4	683
W-1	774.83	Abandoned in 2004		180.5	180.7	NA	NA	160 to 180	614.8 to 594.8	157 to 182	617.8 to 592.8	no pump	--
W-2	801.17	4.5	2.00	142.2	141.4	140.9	140.9	110 to 140	689.2 to 659.2	107 to 140	692.2 to 659.2	no pump	--
W-3[11]	825.83	4.5	1.90	186.4	188.7	187.7	155.3	164 to 184	690.9 to 670.9	162 to 184	693.4 to 670.9	153.0	673
W-4	789.87	4.5	1.10	151.6	151.4	NM	151.4	130 to 150	658.8 to 638.8	116 to 150	672.8 to 638.8	145.0	645
W-5	767.19	4.5	2.00	112.5	112.2	112.2	112.1	90 to 110	675.2 to 655.2	88 to 111	677.2 to 654.2	110.0	657
W-7	639.12	4	1.40	20.4	19.7	19.6	19.6	11 to 18.5	626.7 to 619.2	10 to 18.5	628.2 to 619.2	19.5	620
WA-8	630.47	2	2.00	45.5	45.4	45.4	45.2	33 to 43	595.5 to 585.5	31 to 43	597.5 to 585.5	45.4	585
WA-9	630.15	2	1.00	25.3	26.4	26.3	26.3	14 to 24	615.2 to 605.2	12 to 24	617.2 to 605.2	23.3	607
WA-10	630.33	2	2.00	33.8	33.5	33.4	33.4	21.5 to 31.5	606.8 to 596.8	20.0 to 31.5	608.3 to 596.8	33.5	597
WA-11	633.34	2	1.50	21.8	21.7	21.6	21.8	10 to 20	621.8 to 611.8	8 to 20	623.8 to 611.8	21.6	612
WA-12	633.71	2	2.20	44.0	42.9	42.7	42.6	31.5 to 41.5	600.0 to 590.0	29.5 to 41.5	602.0 to 590.0	40.2	594
WA-13	628.75	2	2.00	26.3	26.1	26.0	26.1	14 to 24	612.8 to 602.8	12 to 25	614.8 to 602.3	24.5	604
WA-14	626.92	2	1.50	20.8	21.0	20.9	21.0	12 to 19	613.4 to 606.4	10 to 20	615.4 to 605.9	18.8	608
WA-15	627.03	2	1.00	86.3	86.2	86.0	86.1	65 to 85	561.0 to 541.0	63 to 85	563.0 to 541.0	82.5	545
WA-19	723.74	4.5	1.50	88.7	88.7	88.3	88.8	71 to 86	651.2 to 636.2	68 to 90	654.2 to 632.2	77.5	646
WA-20	610.37	2	3.00	17.3	17.3	17.0	17.0	9.2 to 14.2	598.2 to 593.2	7.0 to 14.5	600.4 to 592.9	14.0	596
Lima-3	615.04				NM	NM	NM	NA to NA	-- to --	NA to NA	-- to --	no pump	--
G-24[9]	765.78	2	2.75	61.0	61.3	61.0	61.2	43.0 to 58.0	720.0 to 705.0	39.0 to 58.0	724.0 to 705.0	no pump	--
CP-25	594.29	2	-0.66	73.2	73.5	74.3	74.1	58.5 to 73.3	535.8 to 521.0	55.0 to 75.0	540.0 to 520.0	66.0	528
CP-30	736.58	2	2.80	121.8	121.8	121.7	121.2	98.6 to 118.4	638.0 to 618.2	95.0 to 119.0	638.8 to 614.8	115.5	737
CP-31	672.07	2	2.10	83.8	83.8	83.5	83.7	56.0 to 81.0	616.1 to 591.1	52.0 to 82.0	618.0 to 588.0	77.5	672
G-32	641.72	2	-0.20	27.8	NA	27.8	27.8	21.1 to 27.9	620.6 to 613.9	18.0 to 28.0	623.9 to 613.9	no pump	--
G-33	637.52	2	-0.10	24.4	NA	24.3	24.3	17.4 to 24.1	620.1 to 613.4	15.5 to 24.5	622.1 to 613.1	no pump	--
EW-1[10]	685.56	6	2.35	52.0	89.8	NM	NM	10 to 50	635.4 to 595.4	8 to 50	637.9 to 595.4	85	601
EW-2	626.10	6	-1.00	50.5	52	NM	NM	10 to 50	617.1 to 577.1	8 to 51	619.1 to 576.6	49	577
EW-3	630.89	6	-1.00	51.5	51	NM	NM	11 to 51	620.9 to 580.9	9 to 52	622.9 to 580.4	49	582
EW-4	687.16	6	1.84	100	103.5	NM	NM	58 to 98.0	627.3 to 587.3	50 to 100	635.3 to 585.3	99	588
EW-5	686.95	6	1.5	100	NA	NA	NA	49 to 98.5	636.5 to 587.0	45 to 100	640.5 to 585.5	97	590
P-1	745.97	2	2.7	64.6	NA	NA	64.0	42.7 to 62.7	700.6 to 680.6	36.6 to 66	706.7 to 677.3	no pump	--
P-2	734.25	2	2.1	50.4	NA	NA	50.4	27.7 to 47.7	704.5 to 684.5	22.8 to 48	709.4 to 684.2	no pump	--
P-3	698.52	Abandoned in 2008		74.6	NA	NA	NA	52.7 to 72.7	645.9 to 625.9	47.8 to 73	650.7 to 625.5	no pump	--

1. ft, MSL = Elevation in feet relative to mean sea level.
2. Casing length as constructed is estimated; end caps and stick up not included on many logs.
3. Depth, in feet, below top of casing, measured November 2004.
4. Depth, in feet, below top of casing, measured May 2007.
5. Depth, in feet, below top of casing, measured May 2010.
6. ft, BGS = Depth in feet below ground surface at construction.
7. ft, BTC = Depth in feet below top of casing.
8. Purge pump inlet at 94.7 feet below top of casing.
9. Well G-24 has also been referred to as well G-1
10. Well EW-1 has been extended approximately 38 feet. Depths of screens and filter pack are as originally constructed.
11. Well W-3 was cut approximately 30 feet in August 2007 during excavation. Resurveyed May 2008.
Depths shown are as constructed

Table 3
Waste Disposal Record, 2012
John Smith Road Landfill

Quarter	Tonnage[1]		
	Incoming	Diverted[2]	Disposal
First Quarter			
January	9,869	2,032	7,837
February	9,107	1,540	7,567
March	8,987	1,943	7,044
Quarterly Total	27,963	5,515	22,448
Second Quarter			
April	9,478	1,891	7,587
May	11,154	2,197	8,957
June	10,484	1,731	8,753
Quarterly Total	31,116	5,819	25,297
Semiannual Total	**59,079**	**11,334**	**47,745**
Third Quarter			
July	10,820	1,770	9,050
August	9,857	2,056	7,801
September	8,889	1,847	7,042
Quarterly Total	29,566	5,673	23,893
Fourth Quarter			
October	9,417	2,017	7,400
November	9,066	1,940	7,126
December	8,084	1,688	6,396
Quarterly Total	26,567	5,645	20,922
Semiannual Total	**56,133**	**11,318**	**44,815**
Total for 2012	**115,212**	**22,652**	**92,560**

Notes:
1. Net tonnage landfilled, obtained from daily scale readings.
2. Diverted materials include ac/concrete, green waste, dirt, tires, metal/white goods.

Table 4
Groundwater Extraction System
Volume and VOC Mass Removal in 2012
John Smith Road Landfill

	On Site System			Off Site System	
Well Number	EW-1	EW-4	EW-5	EW-2	EW-3
First Quarter					
December 26, 2011	690,154	1,524,055	222,887	9,578,955	15,890,923
March 27, 2012	700,039	1,569,714	230,422	9,668,112	16,028,451
Total Extracted (gal)	9,884	45,660	7,535	89,157	137,528
Daily Average (gal/day)	107.4	496.3	81.9	969.1	1,494.9
Average Rate (gal/min)	0.07	0.34	0.06	0.67	1.04
Second Quarter					
March 27, 2012	700,039	1,569,714	230,422	9,668,112	16,028,451
June 26, 2012	709,685	1,614,138	239,364	9,795,045	16,183,742
Total Extracted (gal)	9,646	44,424	8,942	126,933	155,291
Daily Average (gal/day)	106.0	488.2	98.3	1,394.9	1,706.5
Average Rate (gal/min)	0.07	0.34	0.07	0.97	1.19
Total for First Six Months (gal)	19,530	90,083	16,477	216,090	292,820
Third Quarter					
June 26, 2012	709,685	1,614,138	239,364	9,795,045	16,183,742
October 2, 2012	720,410	1,661,025	244,615	9,867,421	16,296,705
Total Extracted (gal)	10,725	46,887	5,251	72,376	112,962
Daily Average (gal/day)	109.4	478.4	53.6	738.5	1,152.7
Average Rate (gal/min)	0.08	0.33	0.04	0.51	0.80
Fourth Quarter					
October 2, 2012	720,410	1,661,025	244,615	9,867,421	16,296,705
December 26, 2012	730,077	1,697,780	249,296	9,926,585	16,380,078
Total Extracted (gal)	9,667	36,755	4,682	59,164	83,374
Daily Average (gal/day)	113.7	432.4	55.1	696.0	980.9
Average Rate (gal/min)	0.08	0.30	0.04	0.48	0.68
Total for Last Six Months (gal)	20,392	83,642	9,932	131,540	196,336
Total for 2012 (gal)	**39,923**	**173,726**	**26,409**	**347,630**	**489,155**

	Groundwater (gallons)	VOC Mass (grams)
On Site Total	**240,057**	**45.44**
Off Site Total	**836,786**	**13.95**
Total Extracted	**1,076,843**	**59.39**

Notes:

Beginning and ending extraction volume readings taken from cumulative flow meters at each well.

New meter installed in well EW-4 on June 5, 2006. Last reading on old meter was 3,408,860 gallons.

Pump control system changed to Pump Savers on May 4, 2001.

Extraction well EW-5 began pumping May 2, 2008.

Table 5

Landfill Gas Extraction System and Leachate VOC Mass Removal
John Smith Road Landfill

	Landfill Gas						Condensate		
	Total Hours of Operation (hrs)	Average Flow Rate (scfm)	Volume Landfill Gas (million scf)	Volume Landfill Gas (million meter^3)	VOC Concentration (grams/meter^3)	Gas VOCs Destroyed (kilograms)	Volume Removed (gallons)	VOC Concentration (grams/liter)	VOC Removed (grams)
Jan-12	612	225	8.268	0.234	0.172	40.17	2000	--	--
Feb-12	662	227	9.013	0.255	0.172	43.79	2100	--	--
Mar-12	741	230	10.211	0.289	0.172	49.61	3100	--	--
Apr-12	639	236	9.047	0.256	0.172	43.96	2000	--	--
May-12	682	233	9.531	0.270	0.172	46.31	1500	--	--
Jun-12	171	219	2.256	0.064	0.172	10.96	1000	--	--
Total for First Six Months			48.327	1.369		**234.81**	**11700**	**0.027645**	**1,224**
Jul-12	515	228	7.045	0.200	0.151	30.21	1000	--	--
Aug-12	739	217	9.606	0.272	0.151	41.20	2000	--	--
Sep-12	679	218	8.901	0.252	0.151	38.17	1700	--	--
Oct-12	716	218	9.374	0.265	0.151	40.20	2300	--	--
Nov-12	638	211	8.057	0.228	0.151	34.55	2200	--	--
Dec-12	682	219	8.963	0.254	0.151	38.44	5300	--	--
Total for Last Six Months			51.945	1.471		**222.78**	**14500**	**0.018842**	**1034**
2012 Total	**7,477**	**223**	**100.27**	**2.840**		**457.58**	**26,200**		**2,259**

Note: scfm = standard cubic feet per minute
scf = standard cubic feet
million meter^3 = million cubic meters
Hours of operation, average flow rate, and average methane concentration provided by system operator.
Average flow rate and average methane concentration normalized to the number of hours of operation.
VOC concentration in gas based on average of TO-15 analysis of gas header sample collected on November 17, 2011 and May 18, 2012 for the first half.

Total VOCs Destroyed Since 1999

	Landfill Gas		Landfill Gas Condensate		Leachate	
Year	**Total LFG Flow** (scf)	**VOC Mass Destroyed** (kilograms)	Condensate Removed (gallons)	VOC Mass Removed (grams)	Leachate Removed (gallons)	VOC Mass Removed (grams)
Pre 2003	23,979,188	120	NA	--	NA	--
2003	34,943,631	175	NA	--	NA	--
2004	86,847,205	422	NA	--	NA	--
2005	130,693,691	602	NA	--	NA	--
2006	139,353,205	607	NA	--	NA	--
2007	131,938,577	330	NA	--	NA	--
2008	128,884,112	264	NA	--	NA	--
2009	104,453,391	357	NA	--	165,000	0
2010	99,585,255	483	3335	373	99,895	395
2011	96,524,452	394	26365	2,217	131,400	374
2012	100,272,286	458	26200	2,259	73,115	163
Total	**1,077,474,993**	**4,211**	**55,900**	**4,849**	**469,410**	**932**

Note: Mass destroyed in landfill gas calculated by multiplying each year's total LFG volume by the measured VOC concentration in that year except 2005 when no sample was analyzed. For 2005, the average VOC concentration for 2004 and 2006 was used.

Mass destroyed in landfill gas condensate calculated by multiplying each 6-month interval's total volume by the measured VOC concentration in that interval's VOC concentration.

Leachate volume of 165,000 gallons listed for 2009 is value on totalizer meter at beginning of waste placement in 2010; the value represents stormwater pumped from LCRS sump before waste placement.

Leachate volume for first half of 2011 (120,000 gallons) is estimated based on rainfall and generation rate in previous two years.

Table 6
Groundwater Elevations, Fourth Quarter 2012
John Smith Road Landfill

Monitoring Point	Top-Of-Casing Elevation (ft, MSL) [1]	10/30/2012 Depth to Water (ft, BTC) [2]	10/30/2012 Water Elevation (ft, MSL)
E-1	787.27	59.93	727.34
E-2	780.20	84.06	696.14
E-3	799.30	107.40	691.90
E-8	801.22	106.68	694.54
E-9	788.53	60.73	727.80
E-12	798.43	70.05	728.38
E-13	799.13	67.22	731.91
E-14	786.95	56.88	730.07
E-15	762.06	45.70	716.36
E-16	763.17	45.77	717.40
E-17	787.19	92.97	694.22
W-1	774.83	Decommisioned[4]	--
W-2[8]	771.00	50.40	720.60
W-3[5]	825.83	104.97	720.86
W-4	789.87	118.93	670.94
W-5	767.19	91.70	675.49
W-7	639.12	Decommisioned[6]	--
WA-8	630.47	17.88	612.59
WA-9	630.15	14.96	615.19
WA-10	630.33	17.56	612.77
WA-11	633.34	16.60	616.74
WA-12	633.71	18.89	614.82
WA-13	628.75	9.77	618.98
WA-14	626.92	9.59	617.33
WA-15	627.03	12.42	614.61
WA-19	723.74	52.21	671.53
WA-20	610.37	9.83	600.54
Lima-3	615.04	7.78	607.26
G-24[3]	765.78	52.06	713.72
CP-25	594.29	20.05	574.24
CP-30	736.58	39.88	696.70
CP-31	672.07	51.25	620.82
G-32	641.72	25.99	615.73
G-33	637.52	23.03	614.49
P-1[5]	745.97	28.30	717.67
P-2[5]	734.25	17.75	716.50
P-3[5]	698.52	Decommisioned[7]	--
EW-1	685.56	80.10	605.46
EW-2	626.10	45.06	581.04
EW-3	630.89	48.25	582.64
EW-4	687.16	92.30	594.86
EW-5	686.95	96.52	590.43

1. ft, MSL = Elevation in feet relative to mean sea level.
2. ft, BTC = Depth in feet below top of casing.
3. Well G-24 has also been referred to as well G-1
4. Well W-1 decommissioned on 6/23/04.
5. Wells W-2, W-3, P-1, P-2, and P-3 surveyed 5/14/2008.
6. Well W-7 decommissioned in 3q12; riser in place, but cap welded shut.
7. Well P-3 decommissioned in September 2008.
8. Well W-2 cut down 30 feet in August 2011 for landfill expansion excavation.

NM = Not measured
NA = Not available
W-2, W-3, P-1, and P-2 measured November 6, 2012.
*W-2 casing has been cut down approximately 30 feet in August 2011.

Table 7
Vertical Gradient Calculations
Fourth Quarter 2012
John Smith Road Landfill

Well Pair (shallow/deep)	Distance Between Filter-pack Midpoint (ft)	Groundwater Elevation Difference 10/30/2012 (ft)	Vertical Gradient 10/30/2012
Class I Facility			
E-1/E-9	26.0	0.46	0.02
E-1/E-14	57.5	2.73	0.05
E-9/E-14	31.6	2.27	0.07
E-3/E-8	30.6	2.64	0.09
E-12/E-13	26.2	3.53	0.13
E-15/E-16	66.1	1.04	0.02
Off-Site Wells			
WA-10/WA-8	11.1	-0.18	-0.02
WA-14/WA-15	59.1	-2.72	-0.05

Notes:

Positive groundwater elevation differences indicate that the groundwater elevation in the deeper well is higher than the groundwater elevation in the shallower well.

Positive vertical gradients indicate an upward flow potential; negative gradients indicate a downward flow potential.

Table 8

Class III Area Detection Monitoring Program Analytical Results Fourth Quarter 2012
John Smith Road Landfill

Sample description		Concentration Limits			E-15 (background) (Bedrock)	WA-11 (background) (Alluvium	E-2 (compliance) (Bedrock)	WA-15 (compliance) (Alluvium)	CP-25 (compliance) (Bedrock)
Sample date	units	Bedrock (1)	Alluvium (2)	CP-25 (3)	11/01/12	11/02/12	11/01/12	11/02/12	11/01/12
Volatile Organic Compounds [EPA 8260B] (4)									
Dichlorodifluoromethane	µg/L	MRL	MRL	MRL	*0.30 (J)*	<0.099	<0.099	<0.099	<0.099
All other compounds	µg/L	MRL	MRL	MRL	ND	ND	ND	ND	ND
General Water-Quality Parameters									
Bicarbonate alkalinity as CaCO3	mg/L	619	982	550	360	610	380	350	360
Chloride	mg/L	758	1,169	1,010	560	630	340	790	820
Nitrate plus nitrite as nitrogen	mg/L	11.5	41.0	0.7	0.75	7.0	<0.010	0.23	*0.027 (J)*
pH	standard units	6.5 and 7.8	6.6 and 7.8	7.1 and 8.2	7.42	7.24	7.30	7.58	7.78
Electrical conductivity	umhos/cm	6,118	7,589	20,386	5,440	5,890	4,730	6,630	10,800
Field Parameters (5)									
Temperature	degrees C	NA	NA	NA	19.6	18.2	18.4	18.1	19.2
pH	standard units	NA	NA	NA	7.23	7.26	7.20	7.40	7.44
Electrical conductivity	umhos/cm	NA	NA	NA	4,801	5,763	4,126	6,306	9,869
Dissolved oxygen	mg/L	NA	NA	NA	2.3	2.4	2.0	1.8	1.2
Turbidity	NTU	NA	NA	NA	4	8	6	6	7
ORP (6)	mV	NA	NA	NA	62	43	52	-18	-107

(1) Concentration limit is the historical data tolerance limit calculated for bedrock background well E-15, or the method detection limit man made compounds.
(2) Concentration limit is the historical data tolerance limit calculated for alluvial background well WA-11, or the method detection limit man made compounds.
(3) Concentration limit is the intrawell tolerance limit calculated for historical data through second quarter 2010 for well CP-25, or the method detection limit for man-made compounds.
(4) Only compounds detected in one or more samples are listed. All others were not detected. See analytical reports for list of compounds and detection limits.
(5) Field parameters measured at end of purge before sample was collected.
(6) ORP measurements may not be accurate due to equipment (YSI) malfunction.
(J) Trace concentration, between the method detection limit and the method reporting limit. Values are approximations.
(B) Compound also found in trip and field blanks or method blanks and therefore a likely laboratory contaminant.
NA = Not applicable or not required.
ND = Not detected.
NM = Not measured.

Exceeds concentration limit

Table 9

Class III Area Corrective Action Monitoring Program Analytical Results Fourth Quarter 2012
John Smith Road Landfill

Sample description Sample date	units	Cleanup Criteria (MCL) [1]	W-4 (on site) 10/31/12	W-5 (on site) 10/31/12	Dup-2 (W-5) 10/31/12	WA-8 (off site) 11/01/12	WA-9 (off site) 11/02/12	WA-10 (off site) 11/01/12	WA-12 (off site) 11/02/12
Volatile Organic Compounds (2)									
Benzene	µg/L	*1*	<0.083	*0.10 (J)*	*0.10 (J)*	<0.083	<0.083	<0.083	<0.083
Carbon Disulfide	µg/L	*NE (3)*	*0.45 (J)*	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38
Chlorobenzene	µg/L	*70*	<0.093	<0.093	<0.093	<0.093	<0.093	<0.093	*0.12 (J)*
Dichlorodifluoromethane	µg/L	*NE*	<0.099	*0.22 (J)*	*0.22 (J)*	*0.26 (J)*	<0.099	*0.38 (J)*	**1.4**
1,1-Dichloroethane	µg/L	*5*	<0.11	*0.23 (J)*	*0.27 (J)*	<0.11	<0.11	<0.11	*0.28 (J)*
1,2-Dichloroethane	µg/L	*0.5*	<0.17	<0.17	<0.17	<0.17	<0.17	<0.17	*0.75 (J)*
cis-1,2-Dichloroethene	µg/L	*6*	**0.56**	**2.9**	**2.9**	*0.18 (J)*	<0.085	*0.70 (J)*	**8.3**
trans-1,2-Dichloroethene	µg/L	*10*	<0.15	<0.15	<0.15	<0.15	<0.15	<0.15	*0.39 (J)*
1,2-Dichloropropane	µg/L	*5*	<0.13	<0.13	<0.13	<0.13	<0.13	<0.13	**1.8**
Methyl *tert*-Butyl Ether	µg/L	*13*	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11
Tetrachloroethene	µg/L	*5*	*0.20 (J)*	**3.9**	**3.8**	*0.16 (J)*	<0.13	*0.73 (J)*	**4.1**
Toluene	µg/L	*150*	<0.093	<0.093	<0.093	<0.093	<0.093	<0.093	<0.093
Trichloroethene	µg/L	*5*	*0.17 (J)*	**0.75**	**0.73**	*0.40 (J)*	<0.085	*0.97 (J)*	**7.1**
Vinyl Chloride	µg/L	*0.5*	*0.14 (J)*	**1.4**	**1.4**	<0.12	<0.12	<0.12	*0.25 (J)*
Field Parameters (4)									
Temperature	degrees C	--	20.5	22.1	NA	19.5	18.5	19.5	19.1
pH	SU	--	7.11	7.68	NA	7.50	7.45	7.44	7.12
Electrical conductivity	umhos/cm	--	4,159	1,701	NA	4,393	1,783	3,359	3,296
Dissolved oxygen	mg/L	--	2.2	1.7	NA	2.3	3.6	1.4	1.7
Turbidity	NTU	--	7	9	NA	5	8	7	5
ORP (5)	mV	--	-238	-143	NA	-151	-197	-151	-182

(1) The cleanup criteria, as established in the Hazardous Waste Facility Post-Closure Permit, is the maximum contaminant level (MCL) for each compound [CCR Title 22, Section 64431] as of 1/7/2011.
(2) Analysis by EPA Method 8260B. Only compounds detected in one or more wells are listed. All other compounds were not detected at or above the method detection limit.
(3) NE - Not established; compound is unregulated in CCR Title 22, Section 64444.5 as of 9/12/03.
(4) Field parameters measured at end of purge before sample was collected.
(5) ORP measurements may not be accurate due to equipment (YSI) malfunction.
(J) Trace concentration; value is an estimate.
NM = Not measured.

Table 9

Class III Area Corrective Action Monitoring Program Analytical Results Fourth Quarter 2012
John Smith Road Landfill

Sample description Sample date	units	Cleanup Criteria (MCL) [1]	WA-19 (on site) 10/31/12	WA-20 (off site) 11/02/12	CP-30 (on site) 10/31/12	Dup-1 (CP-30) 10/31/12	CP-31 (on site) 11/01/12	G-32 (on site) 10/30/12	G-33 (on site) 10/30/12
Volatile Organic Compounds (2)									
Benzene	µg/L	*1*	<0.083	<0.083	<0.083	<0.083	<0.083	<0.083	*0.14 (J)*
Carbon Disulfide	µg/L	*NE (3)*	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38	<0.38
Chlorobenzene	µg/L	*70*	<0.093	<0.093	<0.093	<0.093	<0.093	<0.093	<0.093
Dichlorodifluoromethane	µg/L	*NE*	<0.099	<0.099	<0.099	<0.099	<0.099	<0.099	*0.22 (J)*
1,1-Dichloroethane	µg/L	*5*	<0.11	<0.11	<0.11	<0.11	<0.11	*0.23 (J)*	<0.11
1,2-Dichloroethane	µg/L	*0.5*	<0.17	<0.17	<0.17	<0.17	<0.17	*0.46 (J)*	<0.17
cis-1,2-Dichloroethene	µg/L	*6*	<0.085	<0.085	<0.085	<0.085	<0.085	**4.6**	**1.1**
trans-1,2-Dichloroethene	µg/L	*10*	<0.15	<0.15	<0.15	<0.15	<0.15	*0.15 (J)*	<0.15
1,2-Dichloropropane	µg/L	*5*	<0.13	<0.13	<0.13	<0.13	<0.13	**1.5**	*0.32 (J)*
Methyl *tert*-Butyl Ether	µg/L	*13*	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11	<0.11
Tetrachloroethene	µg/L	*5*	<0.13	*0.24 (J)*	<0.13	<0.13	<0.13	**2.8**	**2.1**
Toluene	µg/L	*150*	<0.093	<0.093	<0.093	<0.093	<0.093	*0.11 (J)*	*0.27 (J)*
Trichloroethene	µg/L	*5*	<0.085	*0.48 (J)*	<0.085	<0.085	<0.085	**4.2**	**3.2**
Vinyl Chloride	µg/L	*0.5*	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12	<0.12
Field Parameters (4)									
Temperature	degrees C	--	19.8	19.9	20.9	NA	19.1	20.6	21.6
pH	SU	--	7.12	7.36	7.17	NA	7.46	7.02	7.25
Electrical conductivity	umhos/cm	--	10,320	4,151	3,883	NA	2,522	3,029	2,932
Dissolved oxygen	mg/L	--	1.3	1.5	0.7	NA	1.8	5.2	4.4
Turbidity	NTU	--	6	5	14	NA	5	479	621
ORP (5)	mV	--	-61	19	-226	NA	54	91	111

(1) The cleanup criteria, as established in the Hazardous Waste F
(2) Analysis by EPA Method 8260B. Only compounds detected in
(3) NE - Not established; compound is unregulated in CCR Title 2
(4) Field parameters measured at end of purge before sample was
(5) ORP measurements may not be accurate due to equipment (Y
(J) Trace concentration; value is an estimate.
NM = Not measured.

Table 10

Storm Water Monitoring Results, Fourth Quarter 2012
John Smith Road Landfill

Sample description Sample date	Units	Stormwater Discharge Benchmark (1)	SP-1 11/28/2012	SP-2	SP-3
General Water-Quality Parameters					
Electrical conductivity	umhos/cm	<200	837	NS	NS
pH	standard units	6.5 to 8.5	7.48	--	--
Total suspended solids	mg/L	<100	320	--	--
Total organic carbon	mg/L	<35	22	--	--
Metals					
Iron	mg/L	<1.0	16	--	--

(1) Stormwater discharge benchmarks from Central Coast RWQCB: Benchmarks for Industrial Stormwater Discharge. December 2007.
NS = Not sampled, no discharge occurring at these locations.

Table 11

Soil-Gas Composition - Fourth Quarter 2012
John Smith Road Landfill

(Concentration in parts per billion by volume)

Sample description	GP-2AG	GP-3A	GP-6G	GP-7G	GP-9G	GP-10G	GP-11T	GP-12G	GP-13G
Sample date	12/20/12	12/20/12	12/20/12	12/20/12	12/20/12	12/20/12	12/20/12	12/20/12	12/20/12
Volatile Organic Compounds (1)									
Acetone	*<10*	*<0.65*	1.6 (J)	*<5.2*	*<10*	**6.0**	*<0.65*	**11**	*<5.2*
Benzene	26 (J)	*<0.34*	*<0.34*	*<2.7*	22 (J)	*<0.34*	*<0.34*	*<0.34*	*<2.7*
Carbon Disulfide	*<0.54*	**4.0**	*<0.34*	*<2.7*	*<0.54*	*<0.34*	*<0.34*	**7.4**	*<2.7*
Chloroform	*<4.1*	*<0.26*	1.3 (J)	*<2.0*	23 (J)	*<0.26*	*<0.26*	*<0.26*	*<2.0*
Chloromethane	*<4.1*	*<0.26*	1.7 (J)	*<2.0*	*<4.1*	*<0.26*	*<0.26*	*<0.26*	*<2.0*
Dichlorodifluoromethane (Freon 12)	**270**	**16**	**36**	**280**	**1,900**	**5.7**	**6.4**	*<0.33*	**380**
1,1-Dichloroethane	**68**	1.3 (J)	*<0.32*	*<2.5*	19 (J)	1.2 (J)	*<0.32*	*<0.32*	**460**
1,1-Dichloroethene	*<5.0*	*<0.32*	*<0.32*	*<2.5*	*<5.0*	1.0 (J)	*<0.32*	*<0.32*	12 (J)
cis -1,2-Dichloroethene	**100**	**34**	*<0.25*	*<2.0*	**320**	**250**	*<0.25*	*<0.25*	**300**
trans -1,2-Dichloroethene	*<4.5*	2.4 (J)	*<0.28*	*<2.2*	*<4.5*	**4.2**	*<0.28*	*<0.28*	*<2.2*
1,2-Dichloropropane	*<5.4*	**3.6**	*<0.34*	*<2.7*	*<5.4*	*<0.34*	*<0.34*	*<0.34*	*<2.7*
1,2-Dichlorotetrafluoroethane (Freon 114)	36 (J)	*<0.26*	**62**	**38**	**180**	*<0.26*	**12**	*<0.26*	**39**
Hexane	*<5.2*	*<0.32*	*<0.32*	*<2.6*	*<5.2*	*<0.32*	*<0.32*	**18**	*<2.6*
Methyl ethyl ketone (MEK) [2-Butanone]	*<10*	*<0.65*	*<0.65*	*<5.2*	*<10*	**11**	*<0.65*	*<0.65*	*<5.2*
Tetrachloroethene	**250**	**57**	**3.2**	**310**	**260**	**24**	*<0.32*	*<0.32*	**680**
Trichloroethene	**72**	**51**	*<0.25*	**17**	**150**	**27**	*<0.25*	*<0.25*	**210**
Trichlorofluoromethane (Freon 11)	26 (J)	*<0.28*	2.0 (J)	*<2.2*	**370**	*<0.28*	*<0.28*	*<0.28*	**560**
Trichlorotrifluoroethane (Freon 113)	*<4.0*	*<0.25*	*<0.25*	*<2.0*	**42**	*<0.25*	*<0.25*	*<0.25*	8.6 (J)
Vinyl Chloride	**94**	*<0.26*	*<0.26*	*<2.1*	**420**	**24**	*<0.26*	*<0.26*	*<2.1*
m,p -Xylenes	*<8.8*	*<0.55*	*<0.55*	*<4.4*	**24**	*<0.55*	*<0.55*	*<0.55*	*<4.4*

(1) Analyzed by EPA Method TO-15. Only those compounds detected are listed. See lab reports for full list of compounds and detection limits.
J = Trace concentration between method detection limit and method reporting limit.

Table 12

Condensate and Landfill Gas Analytical Results
Fourth Quarter 2012
John Smith Road Landfill

Sample description	Condensate	Leachate Sump	Flare
Sample date	11/02/12	12/20/12	12/20/12
Units	µg/L (1)	µg/L (1)	ppbv (2)
Volatile Organic Compounds (3)			
Acetone	**7,900**	**160**	**2,100**
Benzene	**17**	**2.7**	**550**
Bromobenzene	0.31 (J)	<0.13	NA
n-Butylbenzene	0.67 (J)	<0.11	NA
sec-Butylbenzene	**1.3**	<0.15	NA
Chlorobenzene	**3.0**	0.12 (J)	NA
Chloroethane	0.93 (J)	**2.2**	<36
Chloromethane	<0.14	**1.0**	<26
1,2-Dichlorobenzene	**4.3**	<0.072	NA
1,4-Dichlorobenzene	**44**	**1.1**	NA
Dichlorodifluoromethane (Freon 12)	0.26 (J)	<0.099	**260**
1,1-Dichloroethane	0.64 (J)	0.84 (J)	<32
1,2-Dichloroethane	**3.6**	**16**	NA
cis-1,2-Dichloroethene	**17**	**2.3**	200 (J)
trans-1,2-Dichloroethene	<0.15	0.17 (J)	<28
1,2-Dichloropropane	0.70 (J)	0.47 (J)	<34
Di-isopropyl ether (DIPE)	0.28 (J)	<0.23	<49
Ethylbenzene	**120**	**4.5**	**2,800**
Ethyl *tert*-butyl ether (ETBE)	0.32 (J)	**3.8**	NA
1-Ethyl-4-methylbenzene	NA	NA	**700**
Hexane	NA	NA	**4,200**
2-Hexanone	**81**	<3.4	NA
Isopropyl alcohol (Isopropanol)	NA	NA	**390**
Isopropylbenzene	**9.6**	0.31 (J)	NA
Methylene Chloride	**1.4**	**17**	<25
Methyl ethyl ketone (MEK) (2-Butanone)	**7,200**	**160**	**1,700**
Methyl isobutyl ketone (MIBK)	**830**	**22**	150 (J)
Methyl *tert*-butyl ether (MTBE)	**13**	**13**	<60
Naphthalene	**100**	0.76 (J)	<70
n-Propylbenzene	**6.6**	0.15 (J)	NA
Styrene	**17**	0.60 (J)	120 (J)
Tetrachloroethene	**2.2**	0.66 (J)	<32
Toluene	**220**	**15**	**4,000**
1,2,3-Trichlorobenzene	0.81 (J)	<0.16	NA
1,2,4-Trichlorobenzene	0.81 (J)	<0.19	NA
Trichloroethene	**2.2**	0.56 (J)	<25
1,2,4-Trimethylbenzene	**45**	0.95 (J)	**660**
1,3,5-Trimethylbenzene	**14**	0.51 (J)	**340**
Vinyl Chloride	**1.0**	0.16 (J)	<26
Total Xylenes	**240**	**10**	NA
m,p-Xylenes	NA	NA	**2,900**
o-Xylene	NA	NA	**880**
t-Amyl Methyl ether (TAME)	0.95 (J)	<0.25	NA
tert-Butyl alcohol (*t*-Butanol)	**7,300**	**290**	**500**
TOTAL (not including trace)	**24,193**	**721**	**21,980**
Field Parameters			
Temperature (degrees C)	18.4	--	--
pH (standard units)	6.35	--	--
Electrical conductivity (umhos/cm)	744	--	--
Dissolved oxygen (mg/L)	6.2	--	--
Turbidity (NTU)	16	--	--
ORP (mV)	-114	--	--

(1) µg/L = micrograms per liter. Condensate and leachate sump analyzed by EPA Method 8260.

(2) ppbv = parts per million by volume. Landfill gas analyzed by EPA Method TO-15.

(3) Only those compounds detected are listed. See lab reports for full list of compounds and detection limits.

NA = Not analyzed; J = Trace concentration between method detection limit and method reporting limit.

Table 13

Class III Area Groundwater Extraction Well Analytical Results, Third Quarter 2012
John Smith Road Landfill

Sample description Sample date	units	Cleanup Criteria (MCL) [1]	Wastewater Discharge Limit (2)	Air District Discharge Limit (3)	EW-1 (On site) 09/07/12	EW-2 (Off site) 09/07/12	EW-3 (Off site) 09/07/12	EW-4 (On site) 09/07/12	EW-5 (On site) 09/07/12
Volatile Organic Compounds [EPA method 8260B] (4)									
Benzene	ug/L	1	2,100	NE	<0.083	<0.083	<0.083	**0.33 (J)**	<0.083
Chlorobenzene	ug/L	70	2,100	NE	**0.10 (J)**	<0.093	<0.093	**2.6**	<0.093
1,4-Dichlorobenzene	ug/L	5	2,100	NE	<0.062	<0.062	<0.062	**0.62**	<0.062
Dichlorodifluoromethane	ug/L	NE (5)	2,100	NE	<0.099	**0.24 (J)**	<0.099	<0.099	<0.099
1,1-Dichloroethane	ug/L	5	2,100	NE	**0.21 (J)**	<0.11	<0.11	**0.43 (J)**	<0.11
1,2-Dichloroethane	ug/L	0.5	2,100	NE	<0.17	<0.17	<0.17	**0.39 (J)**	<0.17
1,1-Dichloroethene	ug/L	6	2,100	NE	<0.18	<0.18	<0.18	**0.65**	<0.18
cis-1,2-Dichloroethene	ug/L	6	2,100	NE	**5.4**	**1.7**	**0.96**	**19**	**1.1**
trans-1,2-Dichloroethene	ug/L	10	2,100	NE	**0.27 (J)**	<0.15	<0.15	**0.85**	<0.15
1,2-Dichloropropane	ug/L	5	2,100	NE	**0.55**	**0.39 (J)**	**0.20 (J)**	**2.9**	<0.13
Methyl *tert*-butyl Ether	ug/L	13	2,100	NE	**0.80**	<0.11	<0.11	**0.61**	**0.31 (J)**
Tetrachloroethene	ug/L	5	2,100	NE	**0.92**	**1.8**	**0.56**	**1.4**	**0.19 (J)**
Trichloroethene	ug/L	5	2,100	NE	**3.9**	**2.8**	**0.84**	**17**	**0.72**
Vinyl Chloride	ug/L	0.5	2,100	59	**0.26 (J)**	<0.12	<0.12	**3.6**	<0.12
tert-butyl Alcohol	ug/L	NE	2,100	NE	<9.4	<9.4	<9.4	**22**	<9.4
			Total VOCs (includes trace)		**12.41**	**6.93**	**2.56**	**72.38**	**2.32**
Field Parameters (6)									
Dissolved oxygen	mg/L	--	--		NM	NM	NM	NM	NM
pH	standard units	--	6.0 to 10.5		NM	NM	NM	NM	NM
Electrical conductivity	umhos/cm	--	--		NM	NM	NM	NM	NM
Temperature	degrees C	--	--		NM	NM	NM	NM	NM
Turbidity	NTU	--	--		NM	NM	NM	NM	NM
ORP	mV	--	--		NM	NM	NM	NM	NM

(1) The cleanup criteria, as established in the Hazardous Waste Facility Post-Closure Permit, is the maximum contaminant level (MCL) for each compound [CCR Title 22, Section 64444] as of 1/7/2011.
(2) The discharge limit is established by the City of Hollister in Wastewater Discharge Permit 92-002. Limit is total toxic organics.
(3) The discharge limit is established by the Monterey Bay Unified Air Pollution Control District Permit to Operate #14070.
(4) Only those compounds detected during the third quarter 2012 are listed. See lab reports for full list of compounds.
(5) NE - Not established
(6) Grab sample collected from extraction pump discharge line.
NM - Not measured
(J) Trace concentration, between the method detection limit and the reporting limit. Values are approximations only.

Table 14

Class III Area Groundwater Extraction Well Analytical Results, Fourth Quarter 2012
John Smith Road Landfill

Sample description Sample date	units	Cleanup Criteria (MCL) [1]	Wastewater Discharge Limit (2)	Air District Discharge Limit (3)	EW-1 (On site) 10/30/12	EW-2 (Off site) 10/30/12	EW-3 (Off site) 10/30/12	EW-4 (On site) 10/30/12	EW-5 (On site) 10/30/12
Volatile Organic Compounds [EPA method 8260B] (4)									
Benzene	ug/L	1	2,100	NE	<0.083	<0.083	<0.083	**0.28 (J)**	<0.083
Chlorobenzene	ug/L	70	2,100	NE	**0.12 (J)**	<0.093	<0.093	**2.2**	<0.093
Dichlorodifluoromethane	ug/L	NE (5)	2,100	NE	<0.099	**0.22 (J)**	<0.099	<0.099	<0.099
1,4-Dichlorobenzene	ug/L	5	2,100	NE	<0.062	<0.062	<0.062	**0.41 (J)**	<0.062
1,1-Dichloroethane	ug/L	5	2,100	NE	**0.18 (J)**	<0.11	<0.11	**0.38 (J)**	<0.11
1,2-Dichloroethane	ug/L	0.5	2,100	NE	<0.17	<0.17	<0.17	**0.37 (J)**	<0.17
1,1-Dichloroethene	ug/L	6	2,100	NE	<0.18	<0.18	<0.18	**0.55**	<0.18
cis-1,2-Dichloroethene	ug/L	6	2,100	NE	**5.0**	**1.6**	**0.81**	**16**	**0.64**
trans-1,2-Dichloroethene	ug/L	10	2,100	NE	**0.19 (J)**	<0.15	<0.15	**0.63**	<0.15
1,2-Dichloropropane	ug/L	5	2,100	NE	**0.53**	**0.38 (J)**	**0.18 (J)**	**2.7**	<0.13
Methyl *tert*-Butyl Ether	ug/L	13	2,100	NE	**0.66**	<0.11	<0.11	**0.54**	**0.30 (J)**
Tetrachloroethene	ug/L	5	2,100	NE	**0.56**	**1.8**	**0.62**	**1.2**	**0.14 (J)**
Trichloroethene	ug/L	5	2,100	NE	**3.3**	**2.8**	**0.76**	**14**	**0.44 (J)**
Vinyl Chloride	ug/L	0.5	2,100	59	**0.13 (J)**	<0.12	<0.12	**2.8**	<0.12
tert-Butyl Alcohol	ug/L		2,100	NE	<9.4	<9.4	<9.4	**19**	<9.4
			Total VOCs (includes trace)		**10.67**	**6.80**	**2.37**	**64.16**	**1.80**
Field Parameters (6)									
Temperature	degrees C	--	--		22.1	20.3	20.5	20.2	19.9
pH	standard units	--	6.0 to 10.5		7.07	7.28	7.32	6.89	7.07
Electrical conductivity	umhos/cm	--	--		5,219	3,732	2,572	5,585	8,379
Dissolved oxygen	mg/L	--	--		5.8	9.9	11.0	10.6	9.7
Turbidity	NTU	--	--		8	9	14	15	12
ORP	mV	--	--		74.6	155.2	90.1	37.1	123.5

(1) The cleanup criteria, as established in the Hazardous Waste Facility Post-Closure Permit, is the maximum contaminant level (MCL) for each compound [CCR Title 22, Section 64444] as of 1/7/2011.
(2) The discharge limit is established by the City of Hollister in Wastewater Discharge Permit 92-002. Limit is total toxic organics.
(3) The discharge limit is established by the Monterey Bay Unified Air Pollution Control District Permit to Operate #14070.
(4) Only those compounds detected during the second quarter 2012 are listed. See lab reports for full list of compounds.
(5) NE - Not established
(6) Grab sample collected from extraction pump discharge line.
NM - Not measured
(J) Trace concentration, between the method detection limit and the reporting limit. Values are approximations only.

Table 15

Class I Area 2012 Adjusted Post-Closure Cost Estimate
John Smith Road Landfill

	Task	Cost
1	Annual Environmental Monitoring	$2,000
2	Annual Surveying	$500
3	Annual Maintenance of Final Cover and Storm-Water Management S	$5,000
4	Annual Maintenance of Groundwater Monitoring System	$1,000
5	Annual Cost of Maintaining Security Fencing	$500
6	Annual Engineering Inspection	1,500
	2011 Total Estimated Cost	**$10,500**
7	Inflation Factor	1.021
8	Post Closure Period	30
	Total Remaining Post Closure Cost	**$321,615**

Notes

1 Cost based on MRP R3-2010-0021; May 2010. 5-year COCs only.
2 Cost based on 2008 estimate.
3 Cost based on 2007 & 2008 actual costs.
4 Cost based on 2008 estimate.
5 Cost based on 2008 estimate.
6 Cost based on 2007 & 2008 actual costs.
7 Inflation factor from CalRecycle, April 2012.
http://www.calrecycle.ca.gov/SWFacilities/Financial/Bulletins/Inflation/2011/Landfills.pdf
8 Post closure period set at 30 years per revised Class I permit issued in 2003.

Table 16

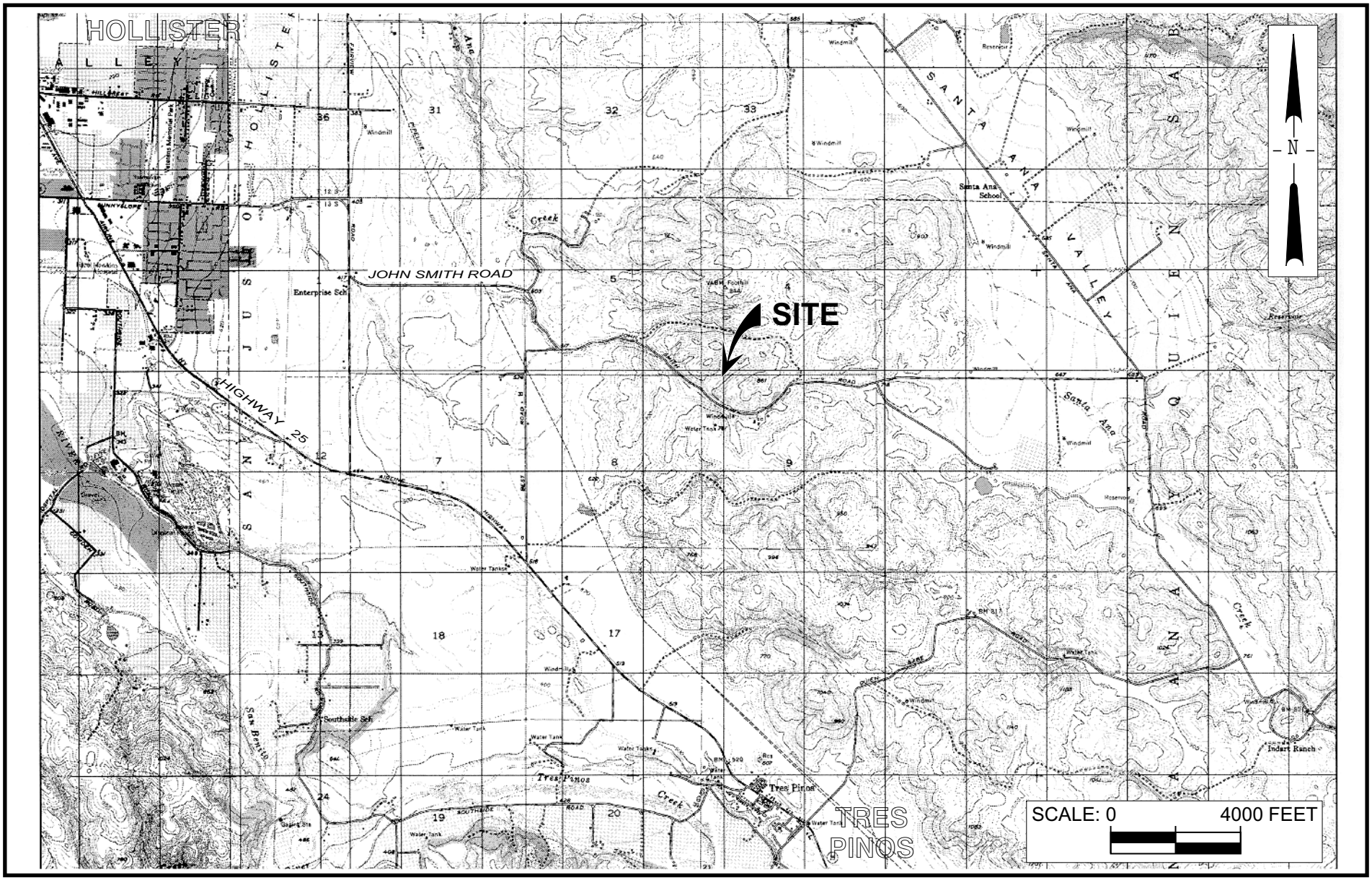
Potentially Significant Groundwater Occurrences in 2012
John Smith Road Landfill

Well Number	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter
Class III Area Detection Monitoring Program				
WA-11				
WA-15				
CP-25				
E-2				
E-15		Dichlorodifluoromethane		Dichlorodifluoromethane
Class III Area Corrective Action Monitoring Program				
W-4		carbon disulfide; *cis*-1,2-DCE; PCE; TCE; vinyl chloride		carbon disulfide; *cis*-1,2-DCE; PCE; TCE; vinyl chloride
W-5		benzene; dichlorodifluoromethane; 1,1-DCA; *cis*-1,2-DCE; PCE; TCE; vinyl chloride		benzene; dichlorodifluoromethane; 1,1-DCA; *cis*-1,2-DCE; PCE; TCE; vinyl chloride
W-7				
WA-8		dichlorodifluoromethane; PCE; TCE		dichlorodifluoromethane; *cis*-1,2-DCE; PCE; TCE
WA-9				
WA-10		dichlorodifluoromethane; *cis*-1,2-DCE; PCE; TCE		dichlorodifluoromethane; *cis*-1,2-DCE; PCE; TCE
WA-12		dichlorodifluoromethane; 1,1-DCA; 1,2-DCA; *cis*-1,2-DCE; trans-1,2-DCE; 1,2-dichloropropane PCE; TCE		chlorobenzene; dichlorodifluoro-methane; 1,1-DCA; 1,2-DCA; *cis*-1,2-DCE; *trans*-1,2-DCE; 1,2-dichloropropane; PCE; TCE; vinyl chloride
WA-19				
WA-20		PCE, TCE		PCE; TCE
CP-30				
CP-31				
G-32		dichlorodifluoromethane; 1,1-DCA; 1,2-DCA; *cis*-1,2-DCE; *trans*-1,2-DCE; 1,2-dichloro-propane; MTBE; PCE; TCE; vinyl chloride		1,1-DCA; 1,2-DCA; *cis*-1,2-DCE; *trans*-1,2-DCE; 1,2-dichloropropane; PCE; toluene; TCE
G-33		dichlorodifluoromethane; 1,1-DCA; *cis*-1,2-DCE; *trans*-1,2-DCE; 1,2-dichloropropane; PCE; toluene; TCE;		benzene; dichlorodifluoromethane; *cis*-1,2-DCE; 1,2-dichloropropane; PCE; toluene; TCE

NOTES:

Compounds also detected in field blanks, trip blanks, or method blanks are not included because they are laboratory artifacts.

Underlined VOCs were detected at trace concentrations.



Golder Associates

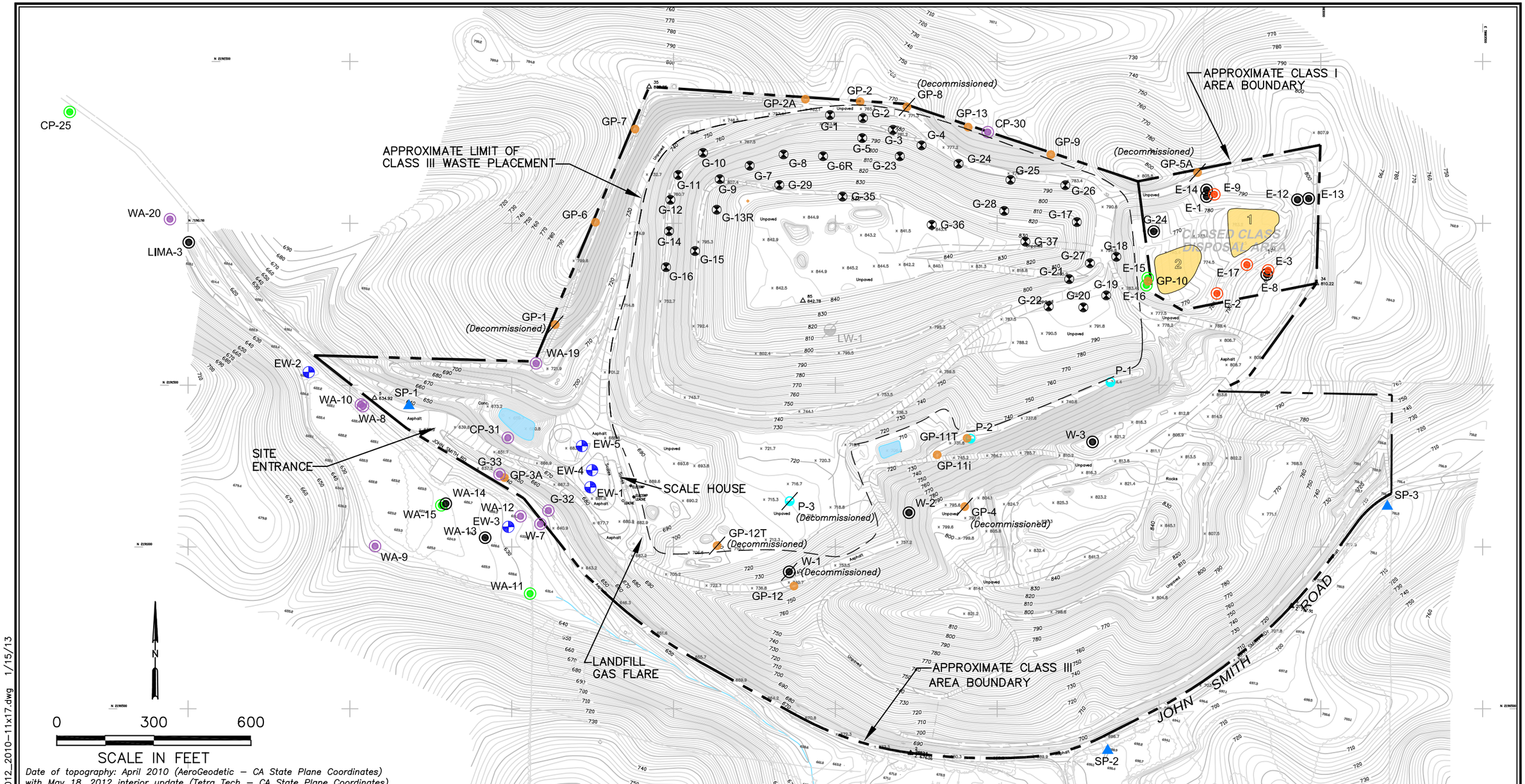
SAN BENITO COUNTY
JOHN SMITH ROAD DISPOSAL SITE
HOLLISTER, CALIFORNIA

SITE LOCATION

FIGURE
1

PROJECT NO.
053-7473

G:\053-7473\FIGURES\SITELOC.DSF 6/30/05



Date of topography: April 2010 (AeroGeodetic – CA State Plane Coordinates) with May 18, 2012 interior update (Tetra Tech – CA State Plane Coordinates).

EXPLANATION

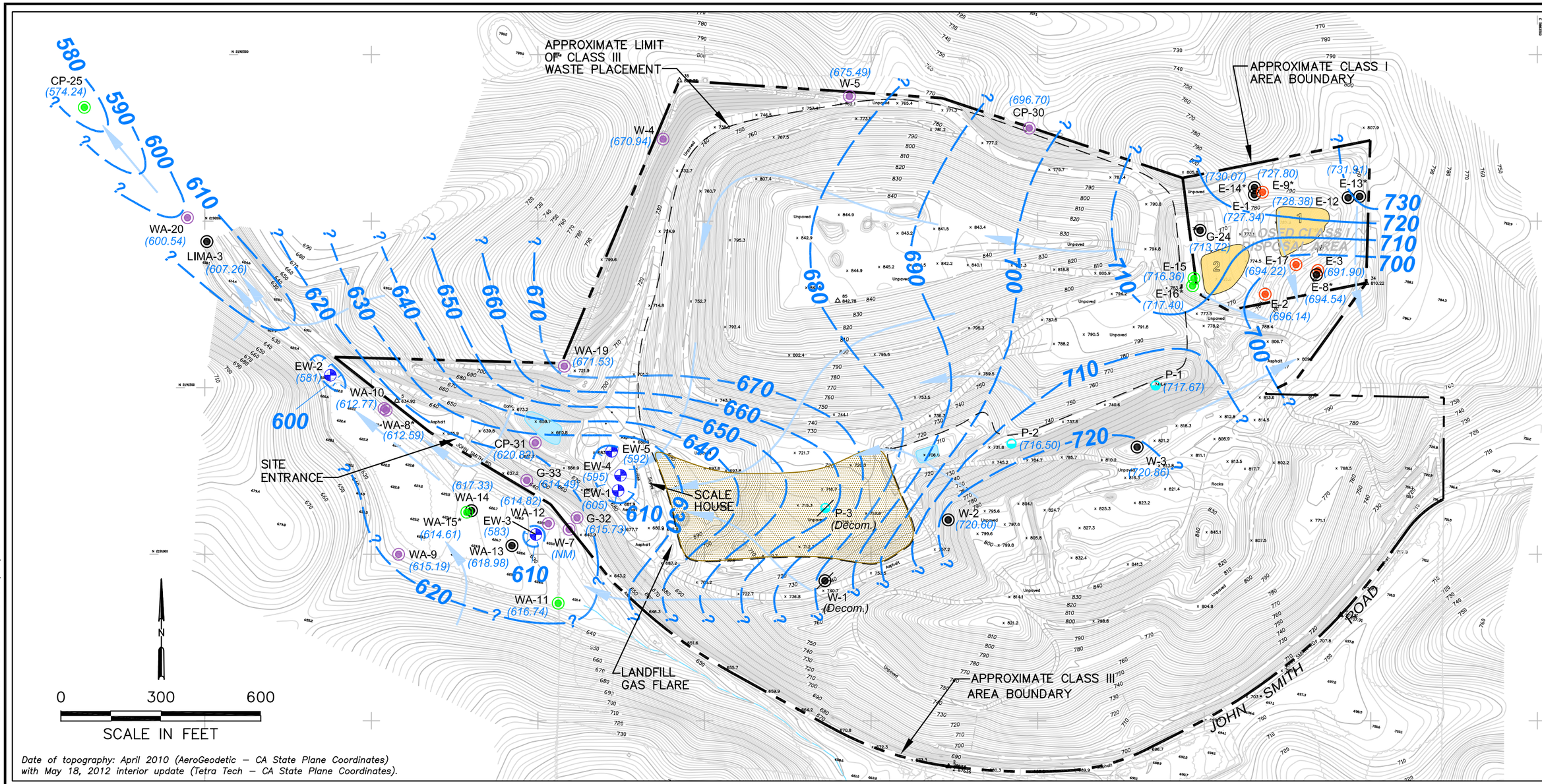
- CLASS III AREA DETECTION MONITORING WELL
- CLASS III AREA CORRECTIVE ACTION MONITORING WELL
- GROUNDWATER EXTRACTION SYSTEM WELL
- CLASS I AREA POST-CLOSURE DETECTION MONITORING WELL
- GROUNDWATER ELEVATION MONITORING WELL
- PIEZOMETER
- STORM WATER MONITORING LOCATION
- SOIL-GAS MONITORING WELL
- LANDFILL GAS EXTRACTION WELL
- ABANDONED LEACHATE MONITORING WELL
- ABANDONED SOIL-GAS MONITORING WELL
- FORMER CLASS I IMPOUNDMENT

Golder Associates

DATE 1/15/13
DWN KMM
APP TLV
REV 0
PROJECT NO. 053-7473-12

FIGURE 2
SAN BENITO COUNTY
JOHN SMITH ROAD LANDFILL
HOLLISTER, CALIFORNIA
MONITORING LOCATIONS

Dimscale: 200 Ltscale: 200 Psltscale: 309
G:\053-7473\FIGURES\MONITORING LOCATIONS_2012_2010-11x17.dwg 1/15/13



Date of topography: April 2010 (AeroGeodetic – CA State Plane Coordinates) with May 18, 2012 interior update (Tetra Tech – CA State Plane Coordinates).

EXPLANATION

- CLASS III AREA DETECTION MONITORING WELL
- CLASS III AREA CORRECTIVE ACTION MONITORING WELL
- GROUNDWATER EXTRACTION SYSTEM WELL
- CLASS I AREA POST-CLOSURE DETECTION MONITORING WELL
- GROUNDWATER ELEVATION MONITORING WELL
- PIEZOMETER

(696.47) GROUNDWATER ELEVATION (FT.-MSL); MEASURED 10/30/12

700 GROUNDWATER POTENTIOMETRIC CONTOUR (FT.-MSL); QUERIED WHERE UNCERTAIN

APPROXIMATE DIRECTION OF GROUNDWATER FLOW

* WELL SCREENED IN LOWER PORTION OF AQUIFER; GROUNDWATER ELEVATION NOT USED IN CONTOURING

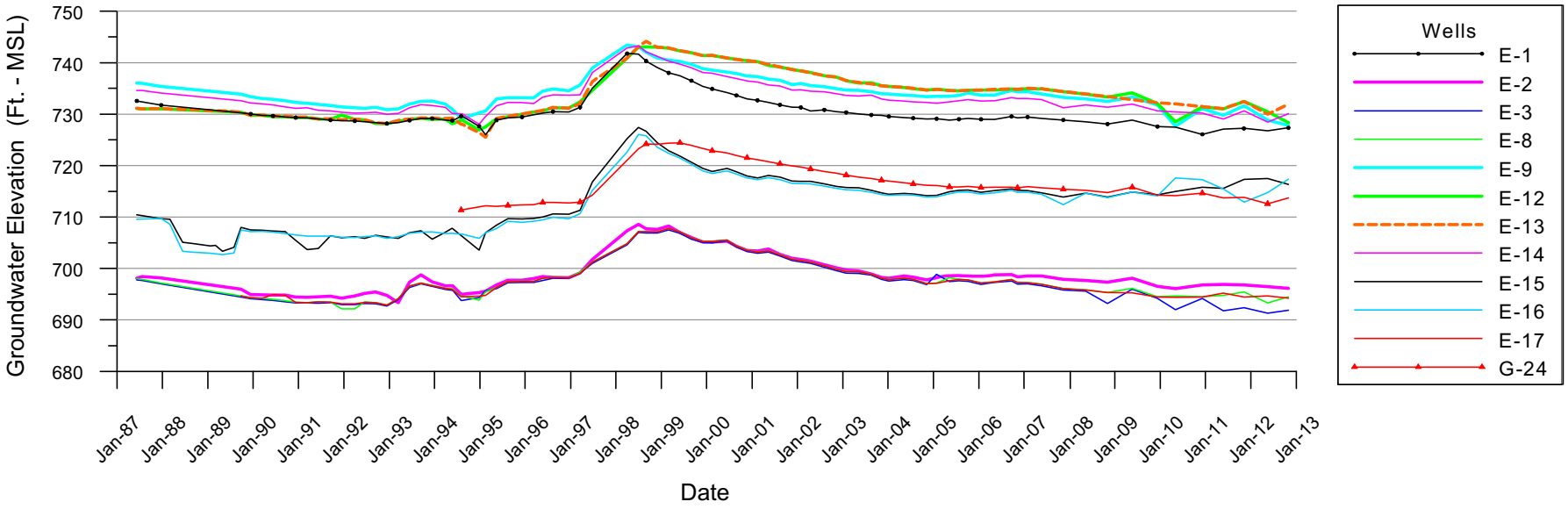
APPROXIMATE FILL AREA THIRD AND FOURTH QUARTER 2012

Golder Associates

DATE	1/11/12
DWN	KMM
APP	TLV
REV	0
PROJECT NO.	053–7473

FIGURE 3
SAN BENITO COUNTY
JOHN SMITH ROAD LANDFILL
HOLLISTER, CALIFORNIA
GROUNDWATER POTENTIOMETRIC CONTOURS
FOURTH QUARTER 2012

Dimscale: 200 Ltscale: 200 Psltscale: 0
G:\053–7473\FIGURES\GWELEVBASE 2012_2010 TOPO w_PIEZOMETERS_2012 SURV.DWG 1/11/12



Golder Associates

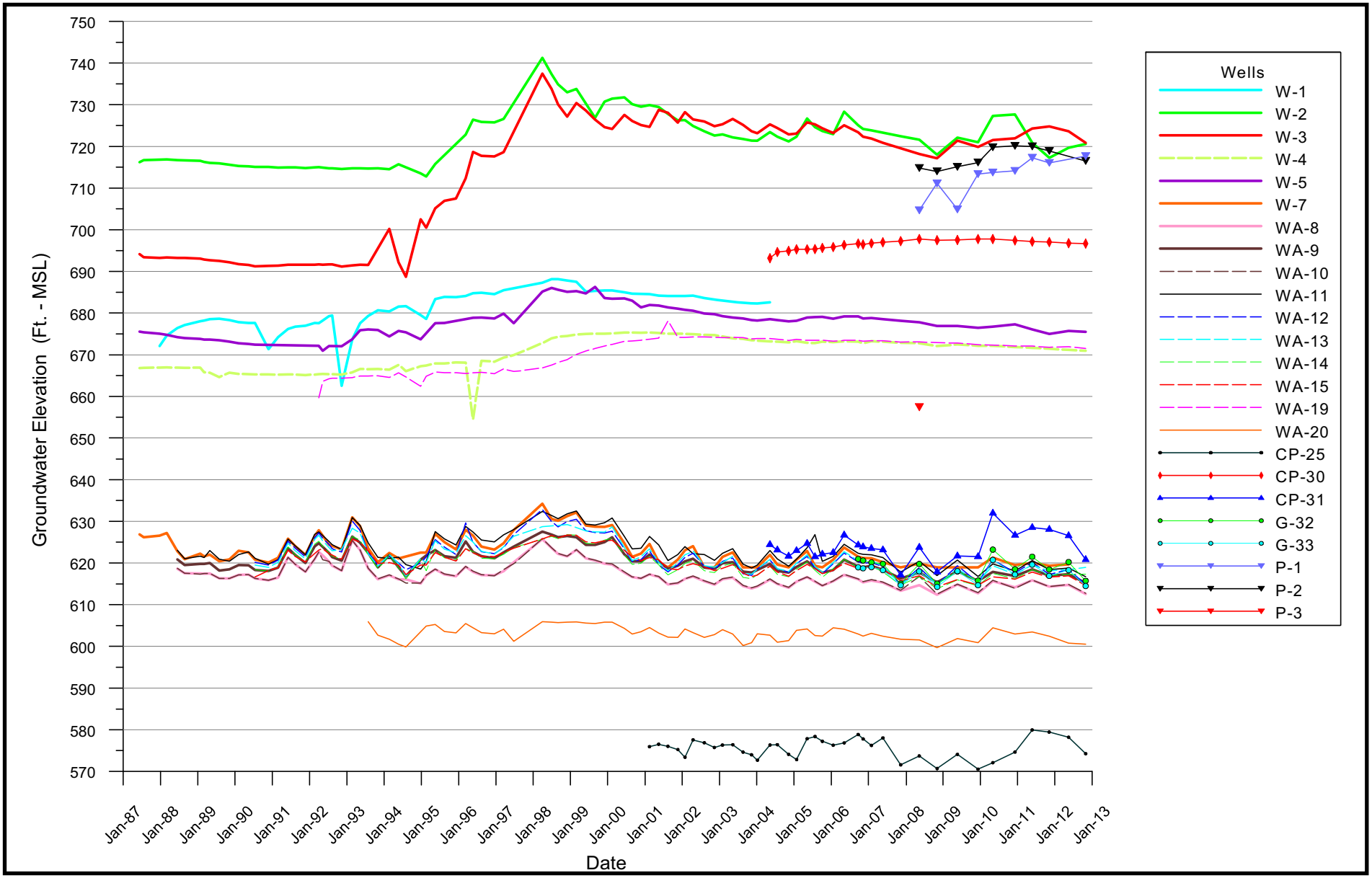
SAN BENITO COUNTY
JOHN SMITH ROAD LANDFILL
HOLLISTER, CALIFORNIA

CLASS I AREA WELL GROUNDWATER HYDROGRAPHS

FIGURE
4

PROJECT NO.
053-7473

G:\053-7473\FIGURES\CLASS I ELEVS.DSF 11/20/12



Golder Associates

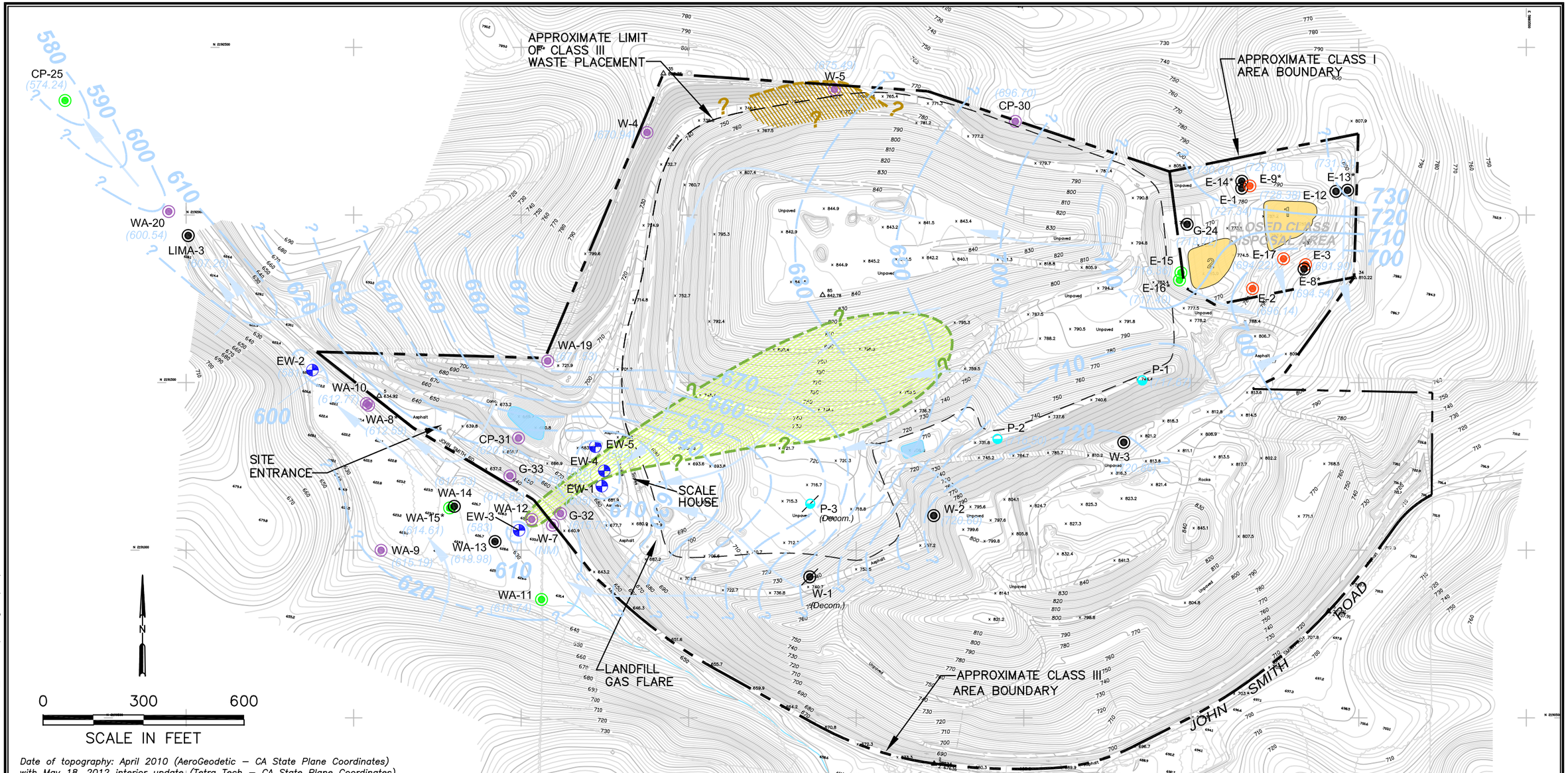
SAN BENITO COUNTY
JOHN SMITH ROAD LANDFILL
HOLLISTER, CALIFORNIA

CLASS III AREA WELL GROUNDWATER HYDROGRAPHS

FIGURE
5

PROJECT NO.
053-7473

G:\053-7473\FIGURES\CLASS III ELEVS.DSF 11/20/12



Date of topography: April 2010 (AeroGeodetic – CA State Plane Coordinates) with May 18, 2012 interior update (Tetra Tech – CA State Plane Coordinates).

EXPLANATION

- CLASS III AREA DETECTION MONITORING WELL
- CLASS III AREA CORRECTIVE ACTION MONITORING WELL
- GROUNDWATER EXTRACTION SYSTEM WELL
- CLASS I AREA POST-CLOSURE DETECTION MONITORING WELL
- GROUNDWATER ELEVATION MONITORING WELL
- PIEZOMETER

(696.90) GROUNDWATER ELEVATION (FT.-MSL); MEASURED 10/30/12

GROUNDWATER POTENTIOMETRIC CONTOUR (FT.-MSL); QUERIED WHERE UNCERTAIN

APPROXIMATE DIRECTION OF GROUNDWATER FLOW

* WELL SCREENED IN LOWER PORTION OF AQUIFER; GROUNDWATER ELEVATION NOT USED IN CONTOURING

AREAS WHERE VOCs EXCEED MCLs (LANDFILL GAS SOURCE)

APPROXIMATE AREA WHERE VOCs EXCEED MCLs (LEACHATE SOURCE)

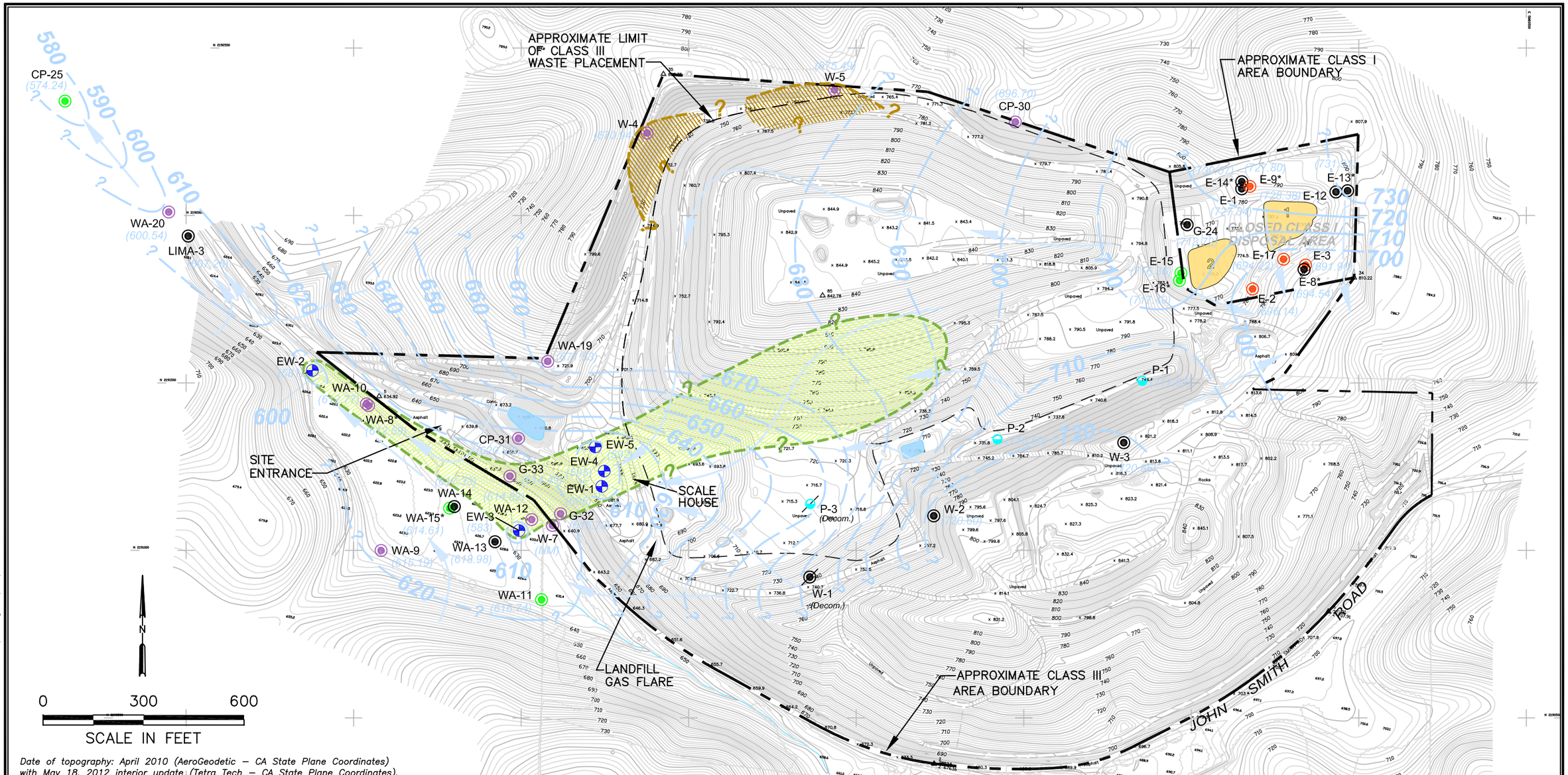
LIMITS OF LEACHATE SOURCE AREA ARE BASED ON WAHLER ASSOC. "ADDITIONAL STUDIES REPORT", MARCH 1993.

Golder Associates

DATE	1/5/13
DWN	KMM
APP	TLV
REV	0
PROJECT NO.	053-7473

FIGURE 6
SAN BENITO COUNTY
JOHN SMITH ROAD LANDFILL
HOLLISTER, CALIFORNIA
VOCs IN GROUNDWATER GREATER THAN MCLs (OCTOBER 2012)

Dimscale: 200 Ltscale: 200 Psltscale: 0
G:\053-7473\Figures\VOCs greater than 1 ppb_MCLs-2sa12_2012_2010 topo.dwg 1/15/13



Date of topography: April 2010 (AeroGeodetic – CA State Plane Coordinates) with May 18, 2012 interior update (Tetra Tech – CA State Plane Coordinates).

EXPLANATION

- CLASS III AREA DETECTION MONITORING WELL
- CLASS III AREA CORRECTIVE ACTION MONITORING WELL
- GROUNDWATER EXTRACTION SYSTEM WELL
- CLASS I AREA POST-CLOSURE DETECTION MONITORING WELL
- GROUNDWATER ELEVATION MONITORING WELL
- PIEZOMETER
- (696.90) GROUNDWATER ELEVATION (FT.-MSL); MEASURED 10/30/12
- GROUNDWATER POTENTIOMETRIC CONTOUR (FT.-MSL); QUERIED WHERE UNCERTAIN
- APPROXIMATE DIRECTION OF GROUNDWATER FLOW
- * WELL SCREENED IN LOWER PORTION OF AQUIFER; GROUNDWATER ELEVATION NOT USED IN CONTOURING
- AREAS WHERE TOTAL VOCs ARE GREATER THAN 1 ug/L (LANDFILL GAS SOURCE)
- APPROXIMATE AREA WHERE TOTAL VOCs ARE GREATER THAN 1 ug/L (LEACHATE SOURCE)

LIMITS OF LEACHATE SOURCE AREA ARE BASED ON WAHLER ASSOC. "ADDITIONAL STUDIES REPORT", MARCH 1993.

Golder Associates

DATE 1/15/13
DWN KMM
APP TLV
REV 0
PROJECT NO. 053-7473

FIGURE 7
SAN BENITO COUNTY
JOHN SMITH ROAD LANDFILL
HOLLISTER, CALIFORNIA
TOTAL VOCs IN GROUNDWATER GREATER THAN 1 ug/L (OCTOBER 2012)

Dimscale: 200 Ltscale: 200 Psltscale: 0
G:\053-7473\Figures\VOCs greater than 1 ppb_MCLs-2sa12_2012_2010 topo.dwg 1/15/13

APPENDIX A

Landfill Operations

LCRS Test Data
Site Inspection Records
Rainfall Data
Extraction Pump Settings and Weekly Groundwater Extraction Rates
Landfill Gas Extraction Data

LCRS Test Data

John Smith Road Landfill
Annual LCRS Test Form

Annual Test Part 1 - Baseline Measurements

Date/Time (Record daily for 5 days)	**Inspector Initials**	**Mod 3A LCRS Flow Meter Reading** (gal)	**Mod 3A Sump Liquid Level** (inches)[1]	**Comments** (include presence or absence of liquid and depth to liquid in the leak detection sump, general weather conditions, daily rain, pump controller or pump issues, etc.)
9-12-12	JS	68873	15.5	Sunny, no Leaks,
9-13-12	JS	68873	15.5	
9-14-12	JS	68873	15.6	* for 9-21-12 we ran the test the day
9-15-12	JS	68873	15.6	before but totalizer did not work. It pump
9-16-12	JS	68873	15.8	all liquid out, that's why its 13.7 inches
9-21-12	JS	68935	13.7	

Annual Test Part 2 - Add Water and Record Liquid Rise in Module 3A LCRS Sump

Date/Time (Record at 2 to 3 hour intervals until 24 hours has passed since water added and water level stable for 2 measurements)	**Inspector Initials**	**Volume of water added** (gal)	**Module 3A LCRS Pump Off** (yes/no)	**Mod 3A Sump Liquid Level** (inches)[1]	**Comments** (include water volume estimated from one truck load. If pump is turned on during test, explain why and record LCRS meter readout before and after pump operation.)
9-21-12 1:00pm	JS	2000	yes	13.7	2,000 gallons is an estimate.
9-21-12 3:00pm	JS	–	yes	20.8	–
9-21-12 5:00pm	JS	–	yes	21.3	–
9-22-12 8:00am	JS	–	yes	21.7	–
9-22-12 10:00am	JS	–	yes	21.7	–

Annual Test Part 3 - Pump Leachate from Module 3A LCRS Sump

Date/Time (Record at 2 to 3 hour intervals until discharge stops)	**Inspector Initials**	**Mod 3A LCRS Flow Meter Reading** (gal)	**Mod 3A Sump Liquid Level** (inches)[1]	**Comments** (include observed pumping rate for first 5 minutes of test, general weather conditions, daily rain, pump controller or pump issues, etc. Include presence or absence of liquid and depth to liquid in the leak detection sump)
9-22-12 11:07	JS	68935	21.7	Sunny
9-23-12 4:00pm	JS	73090	13.4	Sunny,
9-24-12 8:00am	JS	73090	13.4	Foggy, No Rain Past few days.

Notes: 1: Flow meter and fluid level reading taken directly from digital readout on EPG pump control panel.

John Smith Road Landfill
Weekly Containment Inspection Report

Inspection Table

Date	Inspector Initials	Mod 3 LCRS Meter Reading (gal)	Mod 3 LCRS Meter Change Since Last Reading (gal)	Mod 3 LDS Liquid Present? (Y/N)[2]	Mod 3 LCRS Pump Operating Properly? (Y/N)[1]	Mod 3 LCRS Risers, Wiring, Piping, Controls, etc. Damage Free? (Y/N)[1]	Mod 2 Tank & Piping Damage Free? (Y/N)[1]	Mod 2 Leachate Removed from Tank (gal)	Gas System Condensate Meter Reading (gal)	Gas System Condensate Change Since Last Reading (gal)	Gas System Condensate Knockout Leak Free and Pumping Properly? (Y/N)[1]	Any Changes to LCRS or Gas Systems Since Last Inspection (Y/N)[3]
7/6/12	JS	68781	0	N	Y	Y	N/A	N/A	47100	100	Y	N.
7/26/12	JS	68781	0	N	Y	Y	N/A	N/A	48000	400	Y	N.

Notes: 1: If no (N), describe problem and resolution below. 2: If yes (Y), describe problem and resolution below. 3: If yes (Y), describe change in general observations below.

Problem Resolution (use additional Pages if needed)

Date	Problem		Resolution

Other Observations (use additional Pages if needed)

The Report Covers July 2012 month/year

John Smith Road Landfill
Weekly Containment Inspection Report

Inspection Table

Date	Inspector Initials	Mod 3 LCRS Meter Reading (gal)	Mod 3 LCRS Meter Change Since Last Reading (gal)	Mod 3 LDS Liquid Present? (Y/N)[2]	Mod 3 LCRS Pump Operating Properly? (Y/N)[1]	Mod 3 LCRS Risers, Wiring, Piping, Controls, etc. Damage Free? (Y/N)[1]	Mod 2 Tank & Piping Damage Free? (Y/N)[1]	Mod 2 Leachate Removed from Tank (gal)	Gas System Condensate Meter Reading (gal)	Gas System Condensate Change Since Last Reading (gal)	Gas System Condensate Knockout Leak Free and Pumping Properly? (Y/N)[1]	Any Changes to LCRS or Gas Systems Since Last Inspection (Y/N)[3]
8/8/12.	JS	68850	69	N	Y	Y	N/A	N/A	48900	900	Y	N.
8/17/12	JS	68850	0	N	Y	Y	N/A	N/A	49200	300	Y	N.
8/24/12	JS	68850	0	N	Y	Y	N/A	N/A	49400	200	Y	N.
3/31/12	JS	68850	0	N	Y	Y	N/A	N/A	50000	600	Y	N.

Notes: 1: If no (N), describe problem and resolution below. 2: If yes (Y), describe problem and resolution below. 3: If yes (Y), describe change in general observations below.

Problem Resolution (use additional Pages if needed)

Date	Problem		Resolution

Other Observations (use additional Pages if needed)

The Report Covers _____ month/year

John Smith Road Landfill
Weekly Containment Inspection Report

Inspection Table

Date	Inspector Initials	Mod 3 LCRS Meter Reading (gal)	Mod 3 LCRS Meter Change Since Last Reading (gal)	Mod 3 LDS Liquid Present? (Y/N)[2]	Mod 3 LCRS Pump Operating Properly? (Y/N)[1]	Mod 3 LCRS Risers, Wiring, Piping, Controls, etc. Damage Free? (Y/N)[1]	Mod 2 Tank & Piping Damage Free? (Y/N)[1]	Mod 2 Leachate Removed from Tank (gal)	Gas System Condensate Meter Reading (gal)	Gas System Condensate Change Since Last Reading (gal)	Gas System Condensate Knockout Leak Free and Pumping Properly? (Y/N)[1]	Any Changes to LCRS or Gas Systems Since Last Inspection (Y/N)[3]
9/7/12	JS	68873	23	N	Y	Y	N/A	N/A	50600	600	Y	N.
9/14/12	JS	68873	—	N	Y	Y	N/A	N/A	51200	600	Y	N.
9/21/12	JS	68935	62	N	Y	Y	N/A	N/A	51700	500	Y	N.

Notes: 1: If no (N), describe problem and resolution below. 2: If yes (Y), describe problem and resolution below. 3: If yes (Y), describe change in general observations below.

Problem Resolution (use additional Pages if needed)

Date	Problem		Resolution
9-21-12	flow sensor paddle wheel was stuck. the 62 gallons is all from air and hand, not leachate.		lubed paddle wheel, and tested totalizer worked.

Other Observations (use additional Pages if needed)

The Report Covers _____ month/year

John Smith Road Landfill
Weekly Containment Inspection Report

Inspection Table

Date	Inspector Initials	Mod 3 LCRS Meter Reading (gal)	Mod 3 LCRS Meter Change Since Last Reading (gal)	Mod 3 LDS Liquid Present? (Y/N)[2]	Mod 3 LCRS Pump Operating Properly? (Y/N)[1]	Mod 3 LCRS Risers, Wiring, Piping, Controls, etc. Damage Free? (Y/N)[1]	Mod 2 Tank & Piping Damage Free? (Y/N)[1]	Mod 2 Leachate Removed from Tank (gal)	Gas System Condensate Meter Reading (gal)	Gas System Condensate Change Since Last Reading (gal)	Gas System Condensate Knockout Leak Free and Pumping Properly? (Y/N)[1]	Any Changes to LCRS or Gas Systems Since Last Inspection (Y/N)[3]
10-5-12	JS	70165	1,230	N	Y	Y	N/A	N/A	52,700	1,000	Y	N
10-12-12	JS	70165	—	N	Y	Y	N/A	N/A	53,300	600	Y	N
10-19-12	JS	73090	2,925	N	Y	Y	N/A	N/A	54000	700	Y	N

Notes: 1: If no (N), describe problem and resolution below. 2: If yes (Y), describe problem and resolution below. 3: If yes (Y), describe change in general observations below.

Problem Resolution (use additional Pages if needed)

Date	Problem		Resolution

Other Observations (use additional Pages if needed)

The Report Covers _____ month/year

John Smith Road Landfill
Weekly Containment Inspection Report

Inspection Table

Date	Inspector Initials	Mod 3 LCRS Meter Reading (gal)	Mod 3 LCRS Meter Change Since Last Reading (gal)	Mod 3 LDS Liquid Present? (Y/N)[2]	Mod 3 LCRS Pump Operating Properly? (Y/N)[1]	Mod 3 LCRS Risers, Wiring, Piping, Controls, etc. Damage Free? (Y/N)[1]	Mod 2 Tank & Piping Damage Free? (Y/N)[1]	Mod 2 Leachate Removed from Tank (gal)	Gas System Condensate Meter Reading (gal)	Gas System Condensate Change Since Last Reading (gal)	Gas System Condensate Knockout Leak Free and Pumping Properly? (Y/N)[1]	Any Changes to LCRS or Gas Systems Since Last Inspection (Y/N)[3]
11-9-12.	JS	73090	—	N	Y	Y	N/A	N/A	55900	1,900	Y	N.
11-19-12	JS	75275	2,185	N	Y	Y	N/A	N/A	56200	300	Y	N.

Notes: 1: If no (N), describe problem and resolution below. 2: If yes (Y), describe problem and resolution below. 3: If yes (Y), describe change in general observations below.

Problem Resolution (use additional Pages if needed)

Date	Problem		Resolution

Other Observations (use additional Pages if needed)

The Report Covers _____ month/year

Inspection Records

(Landfill inspection records are available at the landfill office or at the County Integrated Waste Management Department)

Class I Post-Closure Inspection Form

December 20, 2012

John Smith Road Class I Landfill Post-Closure Inspection Form

Item	Inspection Element	Satisfactory	Attention Required
Final Cover	Check for seepage	Yes - none	No
	Check for erosion	Yes - none	↓
	Check for animal burrows	Yes - few gopher mounds	↓
	Check for nests and damage	Yes - none	↓
	Check for settlement	Yes - none apparent	↓
	Check for sloughing	Yes - none	↓
	Check for ponding of water	Yes - none, adequate slopes	↓
	Check for cracking surface soil	Yes - none, soil damp	↓
	Check for condition of cover vegetation	Yes - new green growth	↓

Remarks: New vegetation beginning to grow. Cover soil is moist from recent rain and all summer desiccation cracks appear to have sealed.

Groundwater Monitoring System	Wells are visible and accessible	Yes	No
	Check for damage to casing or cover	Yes	↓
	Check for tampering or open cap or lock	Yes	↓

Remarks: All wells were locked.

Site Security System	Check entire perimeters for broken or missing wire	Yes	No
	Check entire perimeter for erosion under fence or around posts	Yes	↓
	Check entire perimeter for damaged posts	Yes	↓
	Check for proper gate and lock function	Yes	↓
	Check for damage or unreadable signs	Yes - see comment	Yes

Remarks: Fences are adequate to keep people or livestock from inadvertantly entering Class I facility. Two perimeter signs are down, one along north fenceline and one along east fenceline. Discussed w/ Josh Shaw.

John Smith Road Class I Landfill Post-Closure Inspection Form

Item	Inspection Element	Satisfactory	Attention Required
Benchmarks	Check for deterioration	Yes	No

Remarks: ✓

Maintenance Required: Re attach signs to fence.

Maintenance Performed:

Inspected by: Tom Vercoutere

Inspection date: 12-20-2012

Inspection time: 12:15 to 12:50

PROFESSIONAL GEOLOGIST
THOMAS L. VERCOUTERE
No. 4462
STATE OF CALIFORNIA

Rainfall Data

TABLE A-1

Storm Return Frequency
John Smith Road Landfill

Return Period in Years	24-Hour Period (inches)
2	1.58
5	1.96
10	2.23
25	2.74
50	3.03
100	3.51

Daily Rainfall Records					
Stn Id	Station	Date	Jul	Precip (in)	
126	San Benito	7/1/2012	183	0	
126	San Benito	7/2/2012	184	0	
126	San Benito	7/3/2012	185	0	
126	San Benito	7/4/2012	186	0	
126	San Benito	7/5/2012	187	0	
126	San Benito	7/6/2012	188	0	
126	San Benito	7/7/2012	189	0	
126	San Benito	7/8/2012	190	0	
126	San Benito	7/9/2012	191	0	
126	San Benito	7/10/2012	192	0	
126	San Benito	7/11/2012	193	0	
126	San Benito	7/12/2012	194	0	
126	San Benito	7/13/2012	195	0	
126	San Benito	7/14/2012	196	0	
126	San Benito	7/15/2012	197	0	
126	San Benito	7/16/2012	198	0	
126	San Benito	7/17/2012	199	0	
126	San Benito	7/18/2012	200	0	
126	San Benito	7/19/2012	201	0	
126	San Benito	7/20/2012	202	0	
126	San Benito	7/21/2012	203	0	
126	San Benito	7/22/2012	204	0	
126	San Benito	7/23/2012	205	0	
126	San Benito	7/24/2012	206	0	
126	San Benito	7/25/2012	207	0	
126	San Benito	7/26/2012	208	0	
126	San Benito	7/27/2012	209	0	
126	San Benito	7/28/2012	210	0	
126	San Benito	7/29/2012	211	0	
126	San Benito	7/30/2012	212	0	
126	San Benito	7/31/2012	213	0	
126	San Benito	8/1/2012	214	0	
126	San Benito	8/2/2012	215	0	
126	San Benito	8/3/2012	216	0	
126	San Benito	8/4/2012	217	0	
126	San Benito	8/5/2012	218	0	
126	San Benito	8/6/2012	219	0	
126	San Benito	8/7/2012	220	0	
126	San Benito	8/8/2012	221	0	
126	San Benito	8/9/2012	222	0	
126	San Benito	8/10/2012	223	0	
126	San Benito	8/11/2012	224	0	
126	San Benito	8/12/2012	225	0	
126	San Benito	8/13/2012	226	0	
126	San Benito	8/14/2012	227	0	
126	San Benito	8/15/2012	228	0	
126	San Benito	8/16/2012	229	0	
126	San Benito	8/17/2012	230	0	
126	San Benito	8/18/2012	231	0	
126	San Benito	8/19/2012	232	0	
126	San Benito	8/20/2012	233	0	
126	San Benito	8/21/2012	234	0	
126	San Benito	8/22/2012	235	0	
126	San Benito	8/23/2012	236	0	
126	San Benito	8/24/2012	237	0	
126	San Benito	8/25/2012	238	0	
126	San Benito	8/26/2012	239	0	
126	San Benito	8/27/2012	240	0	
126	San Benito	8/28/2012	241	0	
126	San Benito	8/29/2012	242	0	
126	San Benito	8/30/2012	243	0	
126	San Benito	8/31/2012	244	0	

Daily Rainfall Records					
Stn Id	Station	Date	Jul	Precip (in)	
126	San Benito	9/1/2012	245	0	
126	San Benito	9/2/2012	246	0	
126	San Benito	9/3/2012	247	0	
126	San Benito	9/4/2012	248	0	
126	San Benito	9/5/2012	249	0	
126	San Benito	9/6/2012	250	0	
126	San Benito	9/7/2012	251	0	
126	San Benito	9/8/2012	252	0	
126	San Benito	9/9/2012	253	0	
126	San Benito	9/10/2012	254	0	
126	San Benito	9/11/2012	255	0	
126	San Benito	9/12/2012	256	0	
126	San Benito	9/13/2012	257	0	
126	San Benito	9/14/2012	258	0	
126	San Benito	9/15/2012	259	0	
126	San Benito	9/16/2012	260	0	
126	San Benito	9/17/2012	261	0	
126	San Benito	9/18/2012	262	0	
126	San Benito	9/19/2012	263	0	
126	San Benito	9/20/2012	264	0	
126	San Benito	9/21/2012	265	0	
126	San Benito	9/22/2012	266	0	
126	San Benito	9/23/2012	267	0	
126	San Benito	9/24/2012	268	0	
126	San Benito	9/25/2012	269	0	
126	San Benito	9/26/2012	270	0	
126	San Benito	9/27/2012	271	0	
126	San Benito	9/28/2012	272	0	
126	San Benito	9/29/2012	273	0	
126	San Benito	9/30/2012	274	0	Third Quarter Total
126	San Benito	10/1/2012	275	0	0.0 inches
126	San Benito	10/2/2012	276	0	
126	San Benito	10/3/2012	277	0	
126	San Benito	10/4/2012	278	0	
126	San Benito	10/5/2012	279	0	
126	San Benito	10/6/2012	280	0	
126	San Benito	10/7/2012	281	0	
126	San Benito	10/8/2012	282	0	
126	San Benito	10/9/2012	283	0	
126	San Benito	10/10/2012	284	0	
126	San Benito	10/11/2012	285	0	
126	San Benito	10/12/2012	286	0	
126	San Benito	10/13/2012	287	0	
126	San Benito	10/14/2012	288	0	
126	San Benito	10/15/2012	289	0	
126	San Benito	10/16/2012	290	0	
126	San Benito	10/17/2012	291	0	
126	San Benito	10/18/2012	292	0	
126	San Benito	10/19/2012	293	0	
126	San Benito	10/20/2012	294	0	
126	San Benito	10/21/2012	295	0	
126	San Benito	10/22/2012	296	0	
126	San Benito	10/23/2012	297	0	
126	San Benito	10/24/2012	298	0.01	
126	San Benito	10/25/2012	299	0	
126	San Benito	10/26/2012	300	0	
126	San Benito	10/27/2012	301	0	
126	San Benito	10/28/2012	302	0	
126	San Benito	10/29/2012	303	0	
126	San Benito	10/30/2012	304	0	
126	San Benito	10/31/2012	305	0	

Daily Rainfall Records					
Stn Id	Station	Date	Jul	Precip (in)	
126	San Benito	11/1/2012	306	0.01	
126	San Benito	11/2/2012	307	0	
126	San Benito	11/3/2012	308	0	
126	San Benito	11/4/2012	309	0	
126	San Benito	11/5/2012	310	0	
126	San Benito	11/6/2012	311	0	
126	San Benito	11/7/2012	312	0	
126	San Benito	11/8/2012	313	0.09	
126	San Benito	11/9/2012	314	0.18	
126	San Benito	11/10/2012	315	0	
126	San Benito	11/11/2012	316	0	
126	San Benito	11/12/2012	317	0	
126	San Benito	11/13/2012	318	0	
126	San Benito	11/14/2012	319	0	
126	San Benito	11/15/2012	320	0	
126	San Benito	11/16/2012	321	0.07	
126	San Benito	11/17/2012	322	0.09	
126	San Benito	11/18/2012	323	0.06	
126	San Benito	11/19/2012	324	0	
126	San Benito	11/20/2012	325	0	
126	San Benito	11/21/2012	326	0.01	
126	San Benito	11/22/2012	327	0	
126	San Benito	11/23/2012	328	0	
126	San Benito	11/24/2012	329	0	
126	San Benito	11/25/2012	330	0	
126	San Benito	11/26/2012	331	0	
126	San Benito	11/27/2012	332	0	
126	San Benito	11/28/2012	333	0.21	
126	San Benito	11/29/2012	334	0	
126	San Benito	11/30/2012	335	1.5	
126	San Benito	12/1/2012	336	--	
126	San Benito	12/2/2012	337	--	
126	San Benito	12/3/2012	338	0	
126	San Benito	12/4/2012	339	0	
126	San Benito	12/5/2012	340	0.2	
126	San Benito	12/6/2012	341	0	
126	San Benito	12/7/2012	342	0	
126	San Benito	12/8/2012	343	0	
126	San Benito	12/9/2012	344	0	
126	San Benito	12/10/2012	345	0	
126	San Benito	12/11/2012	346	0	
126	San Benito	12/12/2012	347	0.04	
126	San Benito	12/13/2012	348	0.06	
126	San Benito	12/14/2012	349	0	
126	San Benito	12/15/2012	350	--	
126	San Benito	12/16/2012	351	0	
126	San Benito	12/17/2012	352	0.1	
126	San Benito	12/18/2012	353	0	
126	San Benito	12/19/2012	354	0	
126	San Benito	12/20/2012	355	0	
126	San Benito	12/21/2012	356	0.04	
126	San Benito	12/22/2012	357	0.43	
126	San Benito	12/23/2012	358	0.27	
126	San Benito	12/24/2012	359	0	
126	San Benito	12/25/2012	360	--	
126	San Benito	12/26/2012	361	--	
126	San Benito	12/27/2012	362	0	
126	San Benito	12/28/2012	363	0	
126	San Benito	12/29/2012	364	--	
126	San Benito	12/30/2012	365	0	Fourth Quarter Total
126	San Benito	12/31/2012	366	0	3.37 inches
			Total	3.37	
			Jul - Sept Max	0	
			Oct - Dec Max	1.5	

Extraction Pump Settings
and
Weekly Groundwater Extraction Rates

Groundwater Extraction System
Pump Settings
John Smith Road Landfill

	On Site System			Off Site System	
Well Number	EW-1	EW-4	EW-5	EW-2	EW-3
Top of Casing Elevation (feet, MSL)	685.56	687.16	686.95	626.10	630.89
Casing Length (feet)	89.8	103.5	100.4	52	51
Bottom of Casing Elevation (ft, MSL)	596	584	586	574	580
Pump Inlet					
feet, BTOC	86	99	97	49	49
feet, MSL	600	588	590	577	582
Pump Saver Controls					
Initial reset time (minutes)	3	3		3	3
Reset time (minutes) February 27, 2003	15	11		3	7
Reset time (minutes) July 21, 2003	15	11		18	7
Reset time (minutes) November 18, 2003	50	19		18	13
Reset time (minutes) March 3, 2004	50	19		17	6
Reset time (minutes) August 15, 2004	50	19		15	6
Reset time (minutes) November 18, 2004	50	14		10	6
Reset time (minutes) May 25, 2005	45	14		10	6
Reset time (minutes) August 17, 2005	38	15		11	6
Reset time (minutes) February 28, 2006	36	15		11	6
Reset time (minutes) November 29, 2006	36	22		20	8
Reset time (minutes) February 28, 2007	36	22		20	8
Reset time (minutes) May 31, 2007	36	31	---	27	8
Reset time (minutes) Nov 29, 2007	36	31	---	27	8
Reset time (minutes) Nov 11, 2008	45	31	31	19	7
Reset time (minutes) Feb 10, 2009	49	32	28	18	6
Reset time (minutes) May 6, 2009	49	32	28	18	6
Reset time (minutes) November 3, 2009	46	17	28	18	6
Reset time (minutes) May 11, 2010	46	17	32	18	7
Reset time (minutes) November 9, 2010	48	12	31	16	6
Reset time (minutes) May 12, 2011	49	12	33	18	6
Reset time (minutes) August 24, 2011	48	15	33	18	6
Reset time (minutes) November 8, 2011	46	20	33	18	6
Reset time (minutes) February 23, 2012	44	10	50	18	6
Reset time (minutes) May 24, 2012	44	11	26	19	7
Reset time (minutes) August 22, 2012	46	10	29	19	7
Reset time (minutes) November 29, 2012	50	11	51	27	6
Pump Specifications					
Manufacturer	Goulds	Grundfos	Grundfos	Grundfos	Grundfos
Model	10GS05412	10S05-9	5S05-9	5S03-9	10S05-9
HP, Voltage	1/2, 230	1/2, 230	1/2, 230	1/3, 230	1/2, 230

Notes

BTOC = below top of casing

Pump inlet information from work performed on November 14 and 16, and December 6, 2000

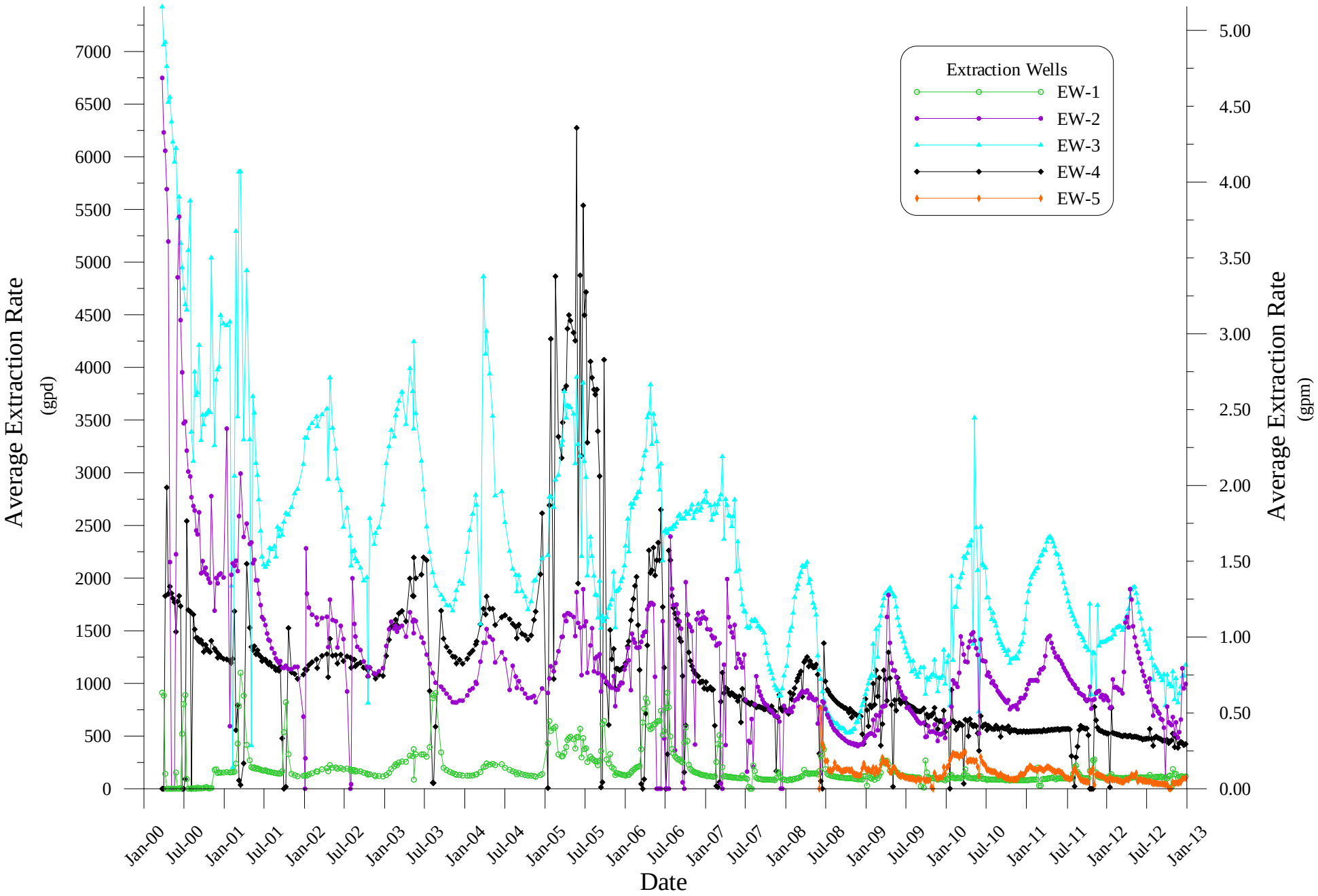
Elevation based on February 8, 2001 survey, datum from WA-12 and WA-19 top-of-casing elevation.

On May 4, 2001, the pump control electronics were switched from level control to pump saver control. Pumps shut off when water is drops to pump intake; pumps restart after number of minutes indicated on reset time.

The pump saver control settings were adjusted periodically to optimize pump efficiency. Pump cycle times were adjusted to allow recharge. Date of recent adjustments shown.

Well EW-5 began operation on June 4, 2008.

John Smith Road Landfill
Average Groundwater Extraction Rate



G:\053-7473\gw extraction\extraction rates in gpd and gpm.grf 12/26/2012

Average Daily Groundwater Extraction Rates
John Smith Road Landfill

	On-Site Extraction Wells									
Date	EW-1 meter reading (gallons)	EW-1 Average gpd	EW-1 Average gpm		EW-4 meter reading (gallons)	EW-4 Average gpd	EW-4 Average gpm		EW-5 meter reading (gallons)	EW-5 Average gpd	EW-5 Average gpm
3/17/2000	92,280.0				128,220.0						
3/24/2000	98,660.0	911.4	0.63		128,220.0	0.0	0.00				
3/31/2000	104,860.0	885.7	0.62		128,220.0	0.0	0.00				
4/7/2000	105,860.0	142.9	0.10		141,030.0	1,830.0	1.27				
4/14/2000	105,860.0	0.0	0.00		161,060.0	2,861.4	1.99				
4/21/2000	105,860.0	0.0	0.00		174,020.0	1,851.4	1.29				
4/28/2000	105,860.0	0.0	0.00		187,460.0	1,920.0	1.33				
5/6/2000	105,860.0	0.0	0.00		202,300.0	1,855.0	1.29				
5/12/2000	105,860.0	0.0	0.00		213,150.0	1,808.3	1.26				
5/19/2000	105,860.0	0.0	0.00		225,550.0	1,771.4	1.23				
5/26/2000	106,930.0	152.9	0.11		235,980.0	1,490.0	1.03				
6/2/2000	106,930.0	0.0	0.00		248,430.0	1,778.6	1.24				
6/9/2000	106,930.0	0.0	0.00		261,250.0	1,831.4	1.27				
6/16/2000	106,970.0	5.7	0.00		273,390.0	1,734.3	1.20				
6/23/2000	110,620.0	521.4	0.36		273,390.0	0.0	0.00				
6/30/2000	116,250.0	804.3	0.56		273,390.0	0.0	0.00				
7/7/2000	122,480.0	890.0	0.62		274,030.0	91.4	0.06				
7/14/2000	123,120.0	91.4	0.06		291,820.0	2,541.4	1.76				
7/21/2000	123,120.0	0.0	0.00		303,700.0	1,697.1	1.18				
7/30/2000	123,120.0	0.0	0.00		318,850.0	1,683.3	1.17				
8/4/2000	123,120.0	0.0	0.00		174.0	0.0	0.00				
8/13/2000	123,160.0	4.4	0.00		15,060.0	1,654.0	1.15				
8/19/2000	123,160.0	0.0	0.00		24,140.0	1,513.3	1.05				
8/26/2000	123,160.0	0.0	0.00		34,170.0	1,432.9	1.00				
9/1/2000	123,230.0	11.7	0.01		42,760.0	1,431.7	0.99				
9/8/2000	123,260.0	4.3	0.00		52,550.0	1,398.6	0.97				
9/17/2000	123,290.0	3.3	0.00		65,230.0	1,408.9	0.98				
9/24/2000	123,330.0	5.7	0.00		74,850.0	1,374.3	0.95				
9/29/2000	123,360.0	6.0	0.00		81,350.0	1,300.0	0.90				
10/8/2000	123,480.0	13.3	0.01		93,631.0	1,364.6	0.95				
10/13/2000	123,555.3	15.1	0.01		100,284.4	1,330.7	0.92				
10/21/2000	123,587.6	4.0	0.00		110,770.2	1,310.7	0.91				
10/28/2000	123,610.6	3.3	0.00		119,853.6	1,297.6	0.90				
11/3/2000	123,653.6	7.2	0.00		128,282.6	1,404.8	0.98				
11/18/2000	126,349.1	179.7	0.12		148,228.2	1,329.7	0.92				
11/25/2000	127,643.9	185.0	0.13		157,355.5	1,303.9	0.91				
12/2/2000	128,689.2	149.3	0.10		166,068.5	1,244.7	0.86				
12/8/2000	129,614.4	154.2	0.11		173,724.1	1,275.9	0.89				
12/15/2000	130,678.2	152.0	0.11		182,498.5	1,253.5	0.87				
12/29/2000	132,827.8	153.5	0.11		199,770.6	1,233.7	0.86				
1/12/2001	135,044.3	158.3	0.11		216,977.8	1,229.1	0.85				
1/26/2001	137,208.7	154.6	0.11		233,960.9	1,213.1	0.84				
2/2/2001	138,298.4	155.7	0.11		242,318.3	1,193.9	0.83				
2/8/2001	139,242.6	157.4	0.11		249,719.3	1,233.5	0.86				
2/16/2001	140,544.1	162.7	0.11		263,198.4	1,684.9	1.17				
2/23/2001	142,214.0	238.6	0.17		267,085.6	555.3	0.39				
3/3/2001	145,643.7	428.7	0.30		273,415.6	791.3	0.55				
3/9/2001	150,360.6	786.1	0.55		273,888.9	78.9	0.05				
3/16/2001	158,065.8	1,100.7	0.76		274,138.5	35.7	0.02				
3/30/2001	170,433.5	883.4	0.61		277,508.6	240.7	0.17				
4/13/2001	176,267.5	416.7	0.29		307,405.5	2,135.5	1.48				
4/27/2001	180,047.5	270.0	0.19		328,814.0	1,529.2	1.06				
5/4/2001	181,482.5	205.0	0.14		338,241.3	1,346.8	0.94				
5/11/2001	182,850.7	195.5	0.14		347,454.1	1,316.1	0.91				
5/18/2001	184,266.1	202.2	0.14		356,926.1	1,353.1	0.94				
5/25/2001	185,583.6	188.2	0.13		365,871.8	1,278.0	0.89				
6/1/2001	186,942.2	194.1	0.13		375,075.0	1,314.7	0.91				
6/7/2001	188,071.5	188.2	0.13		382,718.4	1,273.9	0.88				
6/15/2001	189,520.8	181.2	0.13		392,758.8	1,255.1	0.87				
6/22/2001	190,737.8	173.9	0.12		401,246.7	1,212.6	0.84				
6/29/2001	191,945.3	172.5	0.12		409,828.3	1,225.9	0.85				

Average Daily Groundwater Extraction Rates
John Smith Road Landfill

	On-Site Extraction Wells									
Date	EW-1 meter reading (gallons)	EW-1 Average gpd	EW-1 Average gpm	EW-4 meter reading (gallons)	EW-4 Average gpd	EW-4 Average gpm	EW-5 meter reading (gallons)	EW-5 Average gpd	EW-5 Average gpm
7/7/2001	193,353.8	176.1	0.12	419,648.9	1,227.6	0.85			
7/15/2001	194,681.8	166.0	0.12	429,255.4	1,200.8	0.83			
7/21/2001	195,649.9	161.4	0.11	436,350.8	1,182.6	0.82			
7/27/2001	196,624.7	162.5	0.11	443,546.6	1,199.3	0.83			
8/5/2001	198,029.7	156.1	0.11	454,021.6	1,163.9	0.81			
8/17/2001	199,842.7	151.1	0.10	467,880.8	1,154.9	0.80			
8/24/2001	200,873.0	147.2	0.10	475,772.3	1,127.4	0.78			
8/31/2001	201,893.8	145.8	0.10	483,692.1	1,131.4	0.79			
9/7/2001	202,887.0	141.9	0.10	491,538.0	1,120.8	0.78			
9/13/2001	203,749.2	143.7	0.10	498,489.5	1,158.6	0.80			
9/21/2001	205,079.2	166.3	0.12	502,324.8	479.4	0.33			
9/29/2001	209,375.2	537.0	0.37	502,324.9	0.0	0.00			
10/8/2001	216,761.2	820.7	0.57	502,495.0	18.9	0.01			
10/20/2001	220,692.8	327.6	0.23	520,808.1	1,526.1	1.06			
11/3/2001	222,660.3	140.5	0.10	536,290.7	1,105.9	0.77			
11/18/2001	224,597.0	129.1	0.09	552,648.4	1,090.5	0.76			
11/30/2001	226,027.2	119.2	0.08	565,160.6	1,042.7	0.72			
12/27/2001	229,336.6	122.6	0.09	594,466.3	1,085.4	0.75			
1/4/2002	230,349.2	126.6	0.09	603,528.9	1,132.8	0.79			
1/5/2002	NA			NA					
1/8/2002	NA			NA					
1/12/2002	231,352.6	125.4	0.09	612,569.9	1,130.1	0.78			
1/21/2002	232,575.3	135.9	0.09	623,134.2	1,173.8	0.82			
2/4/2002	234,623.6	146.3	0.10	639,977.0	1,203.1	0.84			
2/25/2002	238,102.9	165.7	0.12	665,768.9	1,228.2	0.85			
2/28/2002	238,586.0	161.0	0.11	669,209.6	1,146.9	0.80			
3/22/2002	242,651.5	184.8	0.13	696,974.6	1,262.0	0.88			
4/13/2002	246,942.6	195.1	0.14	725,088.8	1,277.9	0.89			
4/19/2002	247,937.0	165.7	0.12	731,452.0	1,060.5	0.74			
4/27/2002	249,736.1	224.9	0.16	742,849.3	1,424.7	0.99			
5/9/2002	252,138.4	200.2	0.14	758,024.7	1,264.6	0.88			
5/24/2002	255,167.7	202.0	0.14	777,066.6	1,269.5	0.88			
5/31/2002	256,489.3	188.8	0.13	785,397.0	1,190.1	0.83			
6/15/2002	2,950.3	196.7	0.17	804,491.1	1,272.9	0.88			
6/27/2002	5,164.2	184.5	0.13	819,044.8	1,212.8	0.84			
7/14/2002	8,414.6	191.2	0.13	840,422.7	1,257.5	0.87			
7/29/2002	11,156.5	182.8	0.13	859,114.1	1,246.1	0.87			
8/1/2002	11,656.5	166.7	0.12	862,561.2	1,149.0	0.80			
8/7/2002	12,720.0	177.3	0.12	869,930.0	1,228.1	0.85			
8/16/2002	14,312.2	176.9	0.12	880,971.1	1,226.8	0.85			
8/21/2002	15,131.2	163.8	0.11	886,785.5	1,162.9	0.81			
8/29/2002	16,468.2	167.1	0.12	896,230.3	1,180.6	0.82			
9/13/2002	18,937.2	164.6	0.11	914,201.5	1,198.1	0.83			
10/17/2002	23,918.0	146.5	0.10	952,672.6	1,131.5	0.79			
11/15/2002	27,697.5	130.3	0.09	984,722.1	1,105.2	0.77			
11/21/2002	28,401.7	117.4	0.08	991,004.0	1,047.0	0.73			
12/6/2002	30,222.1	121.4	0.08	1,007,228.2	1,081.6	0.75			
12/24/2002	32,320.7	116.6	0.08	1,026,534.4	1,072.6	0.74			

Average Daily Groundwater Extraction Rates
John Smith Road Landfill

	On-Site Extraction Wells									
Date	EW-1 meter reading (gallons)	EW-1 Average gpd	EW-1 Average gpm	EW-4 meter reading (gallons)	EW-4 Average gpd	EW-4 Average gpm	EW-5 meter reading (gallons)	EW-5 Average gpd	EW-5 Average gpm
1/8/2003	34,263.6	129.5	0.09	1,045,452.0	1,261.2	0.88			
1/21/2003	36,227.7	151.1	0.10	1,063,839.3	1,414.4	0.98			
1/31/2003	38,098.0	187.0	0.13	1,079,203.7	1,536.4	1.07			
2/14/2003	41,062.2	211.7	0.15	1,100,952.0	1,553.5	1.08			
2/20/2003	42,459.2	232.8	0.16	1,110,582.2	1,605.0	1.11			
2/27/2003	44,033.5	224.9	0.16	1,121,452.6	1,552.9	1.08			
3/7/2003	46,030.7	249.7	0.17	1,134,766.8	1,664.3	1.16			
3/21/2003	49,646.6	258.3	0.18	1,158,389.3	1,687.3	1.17			
4/8/2003	54,265.2	256.6	0.18	1,187,010.1	1,590.0	1.10			
4/26/2003	59,927.5	314.6	0.22	1,222,930.0	1,995.5	1.39			
5/9/2003	63,953.6	309.7	0.22	1,246,744.4	1,831.9	1.27			
5/13/2003	65,454.6	375.3	0.26	1,254,057.4	1,828.3	1.27			
5/14/2003	65,541.5	86.9	0.06	1,256,252.5	2,195.1	1.52			
5/23/2003	68,483.9	326.9	0.23	1,274,239.1	1,998.5	1.39			
6/17/2003	76,616.4	325.3	0.23	1,325,066.1	2,033.1	1.41			
6/27/2003	79,885.3	326.9	0.23	1,347,024.8	2,195.9	1.52			
7/11/2003	84,144.0	304.2	0.21	1,377,384.9	2,168.6	1.51			
7/25/2003	89,674.8	395.1	0.27	1,390,380.4	928.3	0.64			
8/8/2003	101,694.4	858.5	0.60	1,391,175.2	56.8	0.04			
8/12/2003	105,245.4	887.8	0.62	1,391,391.9	54.2	0.04			
8/21/2003	113,418.2	908.1	0.63	1,396,693.1	589.0	0.41			
9/15/2003	122,036.5	344.7	0.24	1,438,948.8	1,690.2	1.17			
9/26/2003	124,226.0	199.0	0.14	1,454,631.2	1,425.7	0.99			
10/10/2003	126,695.2	176.4	0.12	1,473,472.5	1,345.8	0.93			
10/24/2003	128,946.3	160.8	0.11	1,491,694.2	1,301.6	0.90			
11/7/2003	131,017.8	148.0	0.10	1,509,272.1	1,255.6	0.87			
11/18/2003	132,561.6	140.3	0.10	1,523,031.7	1,250.9	0.87			
11/24/2003	133,359.1	132.9	0.09	1,530,175.8	1,190.7	0.83			
12/8/2003	135,193.3	131.0	0.09	1,547,330.1	1,225.3	0.85			
12/22/2003	136,940.2	124.8	0.09	1,563,949.4	1,187.1	0.82			
1/12/2004	139,533.5	123.5	0.09	1,589,881.5	1,234.9	0.86			
1/23/2004	140,895.6	123.8	0.09	1,603,988.4	1,282.4	0.89			
2/6/2004	142,670.7	126.8	0.09	1,622,353.0	1,311.8	0.91			
2/20/2004	144,546.5	134.0	0.09	1,641,545.2	1,370.9	0.95			
2/24/2004	145,094.7	137.1	0.10	1,647,145.4	1,400.0	0.97			
3/12/2004	147,794.0	158.8	0.11	1,673,690.0	1,561.4	1.08			
3/26/2004	150,661.8	204.8	0.14	1,697,628.9	1,709.9	1.19			
4/5/2004	152,783.2	212.1	0.15	1,714,189.5	1,656.1	1.15			
4/9/2004	153,741.3	239.5	0.17	1,721,490.7	1,825.3	1.27			
4/23/2004	156,971.8	230.8	0.16	1,745,426.6	1,709.7	1.19			
5/7/2004	160,288.6	236.9	0.16	1,769,349.2	1,708.8	1.19			
5/18/2004	162,768.2	225.4	0.16	1,786,454.6	1,555.0	1.08			
6/4/2004	167,052.9	252.0	0.18	1,814,545.9	1,652.4	1.15			
6/17/2004	169,732.5	206.1	0.14	1,835,362.0	1,601.2	1.11			
7/2/2004	172,721.9	199.3	0.14	1,860,092.6	1,648.7	1.14			
7/23/2004	176,502.5	180.0	0.13	1,893,935.3	1,611.6	1.12			
8/6/2004	178,821.6	165.7	0.12	1,915,853.8	1,565.6	1.09			
8/20/2004	180,998.7	155.5	0.11	1,937,361.6	1,536.3	1.07			
8/25/2004	181,681.8	136.6	0.09	1,944,514.8	1,430.6	0.99			
9/3/2004	183,022.4	149.0	0.10	1,958,532.7	1,557.5	1.08			
9/17/2004	184,953.6	137.9	0.10	1,979,148.0	1,472.5	1.02			
10/1/2004	186,797.5	131.7	0.09	1,999,531.8	1,456.0	1.01			
10/14/2004	188,426.6	125.3	0.09	2,017,932.4	1,415.4	0.98			
10/29/2004	190,276.5	123.3	0.09	2,039,785.0	1,456.8	1.01			
11/11/2004	191,852.6	121.2	0.08	2,060,630.2	1,603.5	1.11			
11/18/2004	192,648.6	113.7	0.08	2,072,405.8	1,682.2	1.17			
12/10/2004	195,467.7	128.1	0.09	2,117,222.0	2,037.1	1.41			
12/19/2004	196,583.2	123.9	0.09	2,138,152.3	2,325.6	1.61			

Average Daily Groundwater Extraction Rates
John Smith Road Landfill

	On-Site Extraction Wells									
Date	EW-1 meter reading (gallons)	EW-1 Average gpd	EW-1 Average gpm	EW-4 meter reading (gallons)	EW-4 Average gpd	EW-4 Average gpm	EW-5 meter reading (gallons)	EW-5 Average gpd	EW-5 Average gpm
1/13/2005	207,780.0	447.9	0.31	2,138,350.0	7.9	0.01			
1/20/2005	212,270.9	641.6	0.45	2,157,191.1	2,691.6	1.87			
1/27/2005	216,107.0	548.0	0.38	2,187,095.0	4,272.0	2.97			
2/9/2005	223,571.6	574.2	0.40	2,200,661.1	1,043.5	0.72			
2/17/2005	228,269.4	587.2	0.41	2,239,582.0	4,865.1	3.38			
3/2/2005	232,495.0	325.0	0.23	2,283,039.0	3,342.8	2.32			
3/17/2005	237,102.5	307.2	0.21	2,330,142.5	3,140.2	2.18			
3/22/2005	238,653.0	310.1	0.22	2,347,527.0	3,476.9	2.41			
3/29/2005	241,056.0	343.3	0.24	2,374,035.9	3,787.0	2.63			
4/7/2005	244,621.9	396.2	0.28	2,408,463.1	3,825.2	2.66			
4/12/2005	246,934.6	462.5	0.32	2,430,300.7	4,367.5	3.03			
4/19/2005	250,296.1	480.2	0.33	2,461,777.3	4,496.7	3.12			
4/26/2005	253,755.1	494.1	0.34	2,492,889.5	4,444.6	3.09			
5/10/2005	260,332.2	469.8	0.33	2,553,525.7	4,331.2	3.01			
5/18/2005	263,394.3	382.8	0.27	2,587,560.2	4,254.3	2.95			
5/24/2005	266,345.4	491.9	0.34	2,625,208.5	6,274.7	4.36			
5/31/2005	269,759.3	487.7	0.34	2,638,858.2	1,950.0	1.35			
6/9/2005	274,884.3	569.4	0.40	2,682,728.3	4,874.5	3.39			
6/16/2005	276,965.1	297.3	0.21	2,704,859.9	3,161.7	2.20			
6/23/2005	280,323.1	479.7	0.33	2,743,627.0	5,538.2	3.85			
6/28/2005	282,202.4	375.9	0.26	2,766,110.6	4,496.7	3.12			
7/6/2005	285,266.3	383.0	0.27	2,803,834.0	4,715.4	3.27			
7/12/2005	286,790.4	254.0	0.18	2,823,559.0	3,287.5	2.28			
7/26/2005	291,065.1	305.3	0.21	2,880,342.0	4,055.9	2.82			
8/2/2005	293,062.2	285.3	0.20	2,907,662.0	3,902.9	2.71			
8/11/2005	295,514.2	272.4	0.19	2,941,772.0	3,790.0	2.63			
8/17/2005	297,071.2	259.5	0.18	2,964,232.4	3,743.4	2.60			
8/24/2005	298,879.7	258.4	0.18	2,990,759.8	3,789.6	2.63			
8/29/2005	300,002.2	224.5	0.16	3,007,732.8	3,394.6	2.36			
9/6/2005	302,144.3	267.8	0.19	3,031,465.9	2,966.6	2.06			
9/12/2005	304,287.9	357.3	0.25	3,031,558.7	15.5	0.01			
9/19/2005	308,595.5	615.4	0.43	3,031,990.3	61.7	0.04			
9/26/2005	313,101.1	643.7	0.45	3,060,501.3	4,073.0	2.83			
10/7/2005	316,162.8	278.3	0.19	3,071,523.2	1,002.0	0.70			
10/17/2005	318,558.4	239.6	0.17	3,077,584.5	606.1	0.42			
10/24/2005	320,861.2	329.0	0.23	3,088,135.3	1,507.3	1.05			
10/31/2005	322,287.4	203.7	0.14	3,096,747.1	1,230.3	0.85			
11/9/2005	323,995.9	189.8	0.13	3,108,701.0	1,328.2	0.92			
11/16/2005	324,909.4	130.5	0.09	3,115,371.2	952.9	0.66			
11/21/2005	325,652.2	148.6	0.10	3,121,077.3	1,141.2	0.79			
11/28/2005	326,675.7	146.2	0.10	3,129,047.9	1,138.7	0.79			
12/5/2005	327,652.6	139.6	0.10	3,136,931.9	1,126.3	0.78			
12/12/2005	328,617.5	137.8	0.10	3,144,873.1	1,134.5	0.79			
12/19/2005	329,532.6	130.7	0.09	3,152,879.4	1,143.8	0.79			
12/28/2005	330,698.8	129.6	0.09	3,163,338.8	1,162.2	0.81			
1/2/2006	331,320.6	124.4	0.09	3,169,298.4	1,191.9	0.83			
1/12/2006	332,646.0	132.5	0.09	3,182,841.5	1,354.3	0.94			
1/16/2006	333,177.4	132.9	0.09	3,188,444.8	1,400.8	0.97			
1/26/2006	334,685.4	150.8	0.10	3,204,437.1	1,599.2	1.11			
1/31/2006	335,520.4	167.0	0.12	3,212,935.7	1,699.7	1.18			
2/7/2006	336,788.7	181.2	0.13	3,225,554.1	1,802.6	1.25			
2/14/2006	338,131.4	191.8	0.13	3,239,042.7	1,926.9	1.34			
2/21/2006	339,557.8	203.8	0.14	3,253,128.5	2,012.3	1.40			
2/28/2006	341,015.6	208.3	0.14	3,264,010.6	1,554.6	1.08			
3/7/2006	342,525.1	215.6	0.15	3,271,911.2	1,128.7	0.78			
3/14/2006	345,153.1	375.4	0.26	3,272,233.1	46.0	0.03			
3/21/2006	349,551.2	628.3	0.44	3,272,233.1	0.0	0.00			
3/28/2006	354,865.1	759.1	0.53	3,272,862.5	89.9	0.06			
4/4/2006	360,879.2	859.2	0.60	3,277,862.5	714.3	0.50			
4/11/2006	366,612.7	819.1	0.57	3,287,393.7	1,361.6	0.95			
4/18/2006	370,784.8	596.0	0.41	3,303,232.8	2,262.7	1.57			
4/25/2006	374,742.1	565.3	0.39	3,317,587.3	2,050.6	1.42			
5/2/2006	378,786.3	577.7	0.40	3,332,115.3	2,075.4	1.44			
5/9/2006	383,060.0	610.5	0.42	3,348,135.5	2,288.6	1.59			
5/16/2006	387,350.8	613.0	0.43	3,362,313.8	2,025.5	1.41			
5/24/2006	392,424.9	634.3	0.44	3,379,663.7	2,168.7	1.51			
5/30/2006	396,287.3	643.7	0.45	3,393,679.8	2,336.0	1.62			
6/6/2006	400,799.3	644.6	0.45	10.0					
6/12/2006	405,238.9	739.9	0.51	15,907.2	2,649.5	1.84			
6/20/2006	409,326.9	511.0	0.35	29,713.5	1,725.8	1.20			
6/27/2006	413,158.1	547.3	0.38	37,763.7	1,150.0	0.80			

Average Daily Groundwater Extraction Rates
John Smith Road Landfill

	On-Site Extraction Wells									
Date	EW-1 meter reading (gallons)	EW-1 Average gpd	EW-1 Average gpm		EW-4 meter reading (gallons)	EW-4 Average gpd	EW-4 Average gpm		EW-5 meter reading (gallons)	EW-5 Average gpd	EW-5 Average gpm
7/4/2006	418,527.9	767.1	0.53		37,763.7	0.0	0.00				
7/12/2006	425,823.2	911.9	0.63		40,382.9	327.4	0.23				
7/18/2006	430,463.6	773.4	0.54		53,953.5	2,261.8	1.57				
7/25/2006	433,943.9	497.2	0.35		69,142.1	2,169.8	1.51				
8/1/2006	436,596.4	378.9	0.26		81,958.9	1,831.0	1.27				
8/8/2006	438,947.6	335.9	0.23		93,985.2	1,718.0	1.19				
8/15/2006	441,104.5	308.1	0.21		105,636.2	1,664.4	1.16				
8/22/2006	443,143.3	291.3	0.20		116,924.5	1,612.6	1.12				
8/29/2006	445,077.4	276.3	0.19		127,799.6	1,553.6	1.08				
9/5/2006	447,042.5	280.7	0.19		137,793.3	1,427.7	0.99				
9/12/2006	448,863.1	260.1	0.18		147,584.2	1,398.7	0.97				
9/19/2006	450,611.3	249.7	0.17		155,074.4	1,070.0	0.74				
9/26/2006	453,667.2	436.6	0.30		156,172.4	156.9	0.11				
10/3/2006	457,725.9	579.8	0.40		160,383.1	601.5	0.42				
10/10/2006	460,891.8	452.3	0.31		171,958.6	1,653.6	1.15				
10/17/2006	462,476.7	226.4	0.16		181,025.1	1,295.2	0.90				
10/24/2006	463,806.1	189.9	0.13		189,525.4	1,214.3	0.84				
10/31/2006	465,029.1	174.7	0.12		197,687.6	1,166.0	0.81				
11/7/2006	466,172.2	163.3	0.11		205,563.3	1,125.1	0.78				
11/14/2006	467,271.5	157.0	0.11		213,253.2	1,098.6	0.76				
11/21/2006	468,326.5	150.7	0.10		220,821.6	1,081.2	0.75				
11/29/2006	469,504.0	147.2	0.10		229,379.0	1,069.7	0.74				
12/7/2006	470,615.2	138.9	0.10		237,459.6	1,010.1	0.70				
12/13/2006	471,418.9	134.0	0.09		243,564.3	1,017.5	0.71				
12/19/2006	472,192.2	128.9	0.09		249,671.1	1,017.8	0.71				
12/26/2006	473,091.2	128.4	0.09		256,339.4	952.6	0.66				
1/3/2007	474,100.7	126.2	0.09		264,442.6	1,012.9	0.70				
1/9/2007	474,814.4	119.0	0.08		270,103.2	943.4	0.66				
1/23/2007	476,476.7	118.7	0.08		283,594.5	963.7	0.67				
1/29/2007	477,169.3	115.4	0.08		289,247.2	942.1	0.65				
2/5/2007	477,968.5	114.2	0.08		295,842.2	942.1	0.65				
2/12/2007	478,801.0	118.9	0.08		300,031.1	598.4	0.42				
2/19/2007	480,575.6	253.5	0.18		300,210.1	25.6	0.02				
2/26/2007	483,549.7	424.9	0.30		300,325.5	16.5	0.01				
3/5/2007	487,104.8	507.9	0.35		300,764.8	62.8	0.04				
3/12/2007	489,984.2	411.3	0.29		306,550.3	826.5	0.57				
3/19/2007	491,422.6	205.5	0.14		314,267.4	1,102.4	0.77				
3/26/2007	492,240.1	116.8	0.08		320,621.9	907.8	0.63				
4/3/2007	493,204.2	120.5	0.08		328,297.8	959.5	0.67				
4/9/2007	493,892.5	114.7	0.08		333,984.5	947.8	0.66				
4/16/2007	494,662.5	110.0	0.08		340,373.6	912.7	0.63				
4/23/2007	495,469.4	115.3	0.08		346,603.6	890.0	0.62				
4/30/2007	496,223.4	107.7	0.07		352,972.8	909.9	0.63				
5/7/2007	496,976.0	107.5	0.07		359,267.1	899.2	0.62				
5/14/2007	497,712.2	105.2	0.07		365,409.2	877.4	0.61				
5/21/2007	498,441.6	104.2	0.07		371,540.4	875.9	0.61				
5/28/2007	499,151.9	101.5	0.07		377,367.8	832.5	0.58				
6/4/2007	499,868.8	102.4	0.07		383,510.5	877.5	0.61				
6/11/2007	500,563.6	99.3	0.07		387,926.8	630.9	0.44				
6/18/2007	501,444.6	125.9	0.09		394,567.4	948.7	0.66				
6/26/2007	502,281.2	104.6	0.07		401,319.7	844.0	0.59				
7/2/2007	502,881.1	100.0	0.07		406,338.8	836.5	0.58				
7/9/2007	503,540.7	94.2	0.07		412,079.7	820.1	0.57				
7/16/2007	503,662.8	17.4	0.01		417,789.8	815.7	0.57				
7/23/2007	503,662.8	0.0	0.00		423,403.5	802.0	0.56				
7/30/2007	503,662.8	0.0	0.00		429,120.8	816.8	0.57				
8/6/2007	505,201.2	219.8	0.15		434,731.6	801.5	0.56				
8/13/2007	506,378.7	168.2	0.12		440,317.1	797.9	0.55				
8/20/2007	507,110.6	104.6	0.07		445,729.6	773.2	0.54				
8/27/2007	507,774.2	94.8	0.07		451,195.8	780.9	0.54				
9/3/2007	508,411.3	91.0	0.06		456,660.7	780.7	0.54				
9/10/2007	509,048.5	91.0	0.06		462,076.9	773.7	0.54				
9/17/2007	509,653.8	86.5	0.06		467,446.5	767.1	0.53				
9/24/2007	510,267.5	87.7	0.06		472,734.2	755.4	0.52				
10/1/2007	510,861.6	84.9	0.06		478,038.7	757.8	0.53				
10/8/2007	511,475.2	87.7	0.06		483,380.5	763.1	0.53				
10/16/2007	512,156.7	85.2	0.06		489,346.5	745.8	0.52				
10/23/2007	512,758.4	86.0	0.06		494,459.2	730.4	0.51				
10/29/2007	513,262.5	84.0	0.06		499,158.6	783.2	0.54				
11/5/2007	513,851.2	84.1	0.06		504,386.2	746.8	0.52				
11/12/2007	514,425.2	82.0	0.06		509,524.1	734.0	0.51				
11/19/2007	515,133.2	101.1	0.07		510,693.7	167.1	0.12				
11/26/2007	516,240.5	158.2	0.11		515,423.8	675.7	0.47				
12/3/2007	517,254.5	144.9	0.10		521,667.8	892.0	0.62				
12/10/2007	517,978.4	103.4	0.07		527,023.8	765.1	0.53				
12/17/2007	518,598.4	88.6	0.06		532,209.8	740.9	0.51				
12/24/2007	519,217.2	88.4	0.06		537,572.2	766.1	0.53				

Average Daily Groundwater Extraction Rates
John Smith Road Landfill

	On-Site Extraction Wells									
Date	EW-1 meter reading (gallons)	EW-1 Average gpd	EW-1 Average gpm		EW-4 meter reading (gallons)	EW-4 Average gpd	EW-4 Average gpm		EW-5 meter reading (gallons)	EW-5 Average gpd	EW-5 Average gpm
1/6/2008	520,252.7	79.7	0.06		547,156.9	737.3	0.51				
1/14/2008	520,915.2	82.8	0.06		552,863.2	713.3	0.50				
1/21/2008	521,549.6	90.6	0.06		559,251.3	912.6	0.63				
1/28/2008	522,131.4	83.1	0.06		565,205.4	850.6	0.59				
2/4/2008	522,761.5	90.0	0.06		571,499.8	899.2	0.62				
2/11/2008	523,421.6	94.3	0.07		578,183.8	954.9	0.66				
2/21/2008	524,400.3	97.9	0.07		588,405.8	1,022.2	0.71				
2/25/2008	524,802.5	100.5	0.07		592,604.8	1,049.8	0.73				
3/3/2008	525,543.8	105.9	0.07		600,186.6	1,083.1	0.75				
3/10/2008	526,338.6	113.5	0.08		607,991.4	1,115.0	0.77				
3/17/2008	527,184.2	120.8	0.08		614,105.6	873.5	0.61				
3/25/2008	528,618.4	179.3	0.12		623,724.2	1,202.3	0.83				
3/31/2008	529,510.6	148.7	0.10		631,062.5	1,223.1	0.85				
4/8/2008	530,696.8	148.3	0.10		641,073.8	1,251.4	0.87				
4/15/2008	531,662.1	137.9	0.10		649,211.1	1,162.5	0.81				
4/21/2008	532,541.5	146.6	0.10		656,494.2	1,213.9	0.84				
4/30/2008	533,834.5	143.7	0.10		667,066.8	1,174.7	0.82				
5/5/2008	534,551.1	143.3	0.10		672,835.6	1,153.8	0.80				
5/12/2008	535,565.1	144.9	0.10		680,915.4	1,154.3	0.80				
5/19/2008	536,594.2	147.0	0.10		689,173.1	1,179.7	0.82				
5/26/2008	537,544.8	135.8	0.09		696,771.8	1,085.5	0.75				
6/2/2008	538,722.7	168.3	0.12		699,106.3	333.5	0.23		0.0	0.0	0.00
6/9/2008	540,886.3	309.1	0.21		699,617.8	73.1	0.05		5,342.9	763.3	0.53
6/16/2008	543,755.3	409.9	0.28		699,628.3	1.5	0.00		8,356.2	430.5	0.30
6/23/2008	546,363.9	372.7	0.26		709,301.9	1,381.9	0.96		11,069.6	387.6	0.27
6/30/2008	547,675.7	187.4	0.13		716,450.8	1,021.3	0.71		12,917.6	264.0	0.18
7/9/2008	548,956.0	142.3	0.10		724,934.0	942.6	0.65		15,287.9	263.4	0.18
7/14/2008	549,616.3	132.1	0.09		729,543.5	921.9	0.64		16,170.8	176.6	0.12
7/23/2008	550,746.8	125.6	0.09		737,547.5	889.3	0.62		17,795.3	180.5	0.13
7/28/2008	551,352.9	121.2	0.08		741,933.5	877.2	0.61		18,610.9	163.1	0.11
8/5/2008	552,303.4	118.8	0.08		748,788.5	856.9	0.60		20,129.7	189.9	0.13
8/11/2008	552,997.3	115.7	0.08		753,835.0	841.1	0.58		21,609.5	246.6	0.17
8/20/2008	554,018.8	113.5	0.08		761,252.5	824.2	0.57		23,403.5	199.3	0.14
8/25/2008	554,562.5	108.7	0.08		765,313.0	812.1	0.56		24,401.5	199.6	0.14
9/1/2008	555,313.6	107.3	0.07		770,931.5	802.6	0.56		25,714.2	187.5	0.13
9/8/2008	556,064.6	107.3	0.07		776,470.5	791.3	0.55		26,910.0	170.8	0.12
9/15/2008	556,808.8	106.3	0.07		781,958.1	783.9	0.54		28,060.5	164.4	0.11
9/22/2008	557,531.0	103.2	0.07		787,346.7	769.8	0.53		29,280.4	174.3	0.12
9/29/2008	558,237.1	100.9	0.07		792,719.7	767.6	0.53		30,514.3	176.3	0.12
10/6/2008	558,947.8	101.5	0.07		798,006.2	755.2	0.52		31,785.2	181.6	0.13
10/15/2008	559,836.4	98.7	0.07		804,519.5	723.7	0.50		33,374.3	176.6	0.12
10/20/2008	560,347.4	102.2	0.07		808,309.0	757.9	0.53		34,239.4	173.0	0.12
10/27/2008	561,030.5	97.6	0.07		813,045.6	676.7	0.47		35,496.4	179.6	0.12
11/3/2008	561,715.6	97.9	0.07		818,149.8	729.2	0.51		36,538.3	148.8	0.10
11/10/2008	562,375.6	94.3	0.07		823,108.9	708.4	0.49		37,518.5	140.0	0.10
11/17/2008	563,024.2	92.7	0.06		828,029.1	702.9	0.49		38,463.1	134.9	0.09
11/24/2008	563,650.4	89.5	0.06		832,853.3	689.2	0.48		39,378.9	130.8	0.09
12/1/2008	564,275.3	89.3	0.06		837,708.8	693.6	0.48		40,255.8	125.3	0.09
12/8/2008	564,907.8	90.4	0.06		842,513.4	686.4	0.48		41,201.6	135.1	0.09
12/15/2008	565,516.2	86.9	0.06		846,142.5	518.4	0.36		42,550.6	192.7	0.13
12/22/2008	566,350.8	119.2	0.08		849,134.2	427.4	0.30		44,233.1	240.4	0.17
12/29/2008	567,175.6	117.8	0.08		855,105.1	853.0	0.59		45,602.8	195.7	0.14
1/5/2009	567,374.6	28.4	0.02		860,331.0	746.6	0.52		46,802.1	171.3	0.12
1/12/2009	568,593.2	174.1	0.12		864,490.0	594.1	0.41		48,115.2	187.6	0.13
1/19/2009	569,330.0	105.3	0.07		870,042.8	793.3	0.55		49,306.8	170.2	0.12
1/26/2009	569,998.6	95.5	0.07		875,449.8	772.4	0.54		50,446.1	162.8	0.11
2/2/2009	570,789.2	112.9	0.08		882,442.2	998.9	0.69		51,851.4	200.8	0.14
2/9/2009	571,386.2	85.3	0.06		888,038.1	799.4	0.56		52,865.4	144.9	0.10
2/16/2009	572,264.8	125.5	0.09		895,903.8	1,123.7	0.78		54,234.8	195.6	0.14
2/23/2009	572,971.4	100.9	0.07		902,042.6	877.0	0.61		55,319.2	154.9	0.11
3/2/2009	573,846.4	125.0	0.09		909,420.2	1,053.9	0.73		56,541.8	174.7	0.12
3/9/2009	574,908.5	151.7	0.11		912,296.8	410.9	0.29		58,139.2	228.2	0.16
3/16/2009	576,777.4	267.0	0.19		916,599.8	614.7	0.43		60,212.7	296.2	0.21
3/23/2009	578,672.6	270.7	0.19		924,462.8	1,123.3	0.78		62,035.2	260.4	0.18
3/30/2009	580,345.4	239.0	0.17		931,732.5	1,038.5	0.72		63,742.2	243.9	0.17
4/6/2009	582,199.8	264.9	0.18		937,590.4	836.8	0.58		65,572.0	261.4	0.18
4/13/2009	583,826.1	232.3	0.16		946,655.5	1,295.0	0.90		67,082.1	215.7	0.15
4/20/2009	585,022.3	170.9	0.12		954,000.5	1,049.3	0.73		68,211.9	161.4	0.11
4/27/2009	586,109.2	155.3	0.11		959,566.8	795.2	0.55		69,321.5	158.5	0.11
5/4/2009	587,282.8	167.7	0.12		959,706.7	20.0	0.01		70,725.4	200.6	0.14
5/11/2009	588,535.4	178.9	0.12		965,595.2	841.2	0.58		72,121.6	199.5	0.14
5/18/2009	589,643.0	158.2	0.11		970,798.3	743.3	0.52		73,253.5	161.7	0.11
5/25/2009	590,719.0	153.7	0.11		978,177.2	1,054.1	0.73		74,251.8	142.6	0.10
6/1/2009	591,629.7	130.1	0.09		984,090.6	844.8	0.59		75,121.7	124.3	0.09
6/8/2009	592,481.7	121.7	0.08		989,761.2	810.1	0.56		75,950.8	118.4	0.08
6/15/2009	593,373.7	127.4	0.09		995,571.8	830.1	0.58		76,840.2	127.1	0.09
6/22/2009	594,212.2	119.8	0.08		1,001,502.6	847.3	0.59		77,648.5	115.5	0.08
6/29/2009	595,049.0	119.5	0.08		1,007,277.4	825.0	0.57		78,400.3	107.4	0.07

Average Daily Groundwater Extraction Rates
John Smith Road Landfill

	On-Site Extraction Wells									
Date	EW-1 meter reading (gallons)	EW-1 Average gpd	EW-1 Average gpm		EW-4 meter reading (gallons)	EW-4 Average gpd	EW-4 Average gpm		EW-5 meter reading (gallons)	EW-5 Average gpd	EW-5 Average gpm
7/6/2009	595,858.5	115.6	0.08		1,012,925.6	806.9	0.56		79,136.5	105.2	0.07
7/13/2009	596,659.2	114.4	0.08		1,018,493.0	795.3	0.55		79,839.6	100.4	0.07
7/20/2009	597,433.8	110.7	0.08		1,024,010.1	788.2	0.55		80,515.4	96.5	0.07
7/27/2009	598,211.4	111.1	0.08		1,029,468.2	779.7	0.54		81,187.4	96.0	0.07
8/3/2009	598,987.8	110.9	0.08		1,034,879.8	773.1	0.54		81,858.6	95.9	0.07
8/10/2009	599,745.0	108.2	0.08		1,040,211.7	761.7	0.53		82,497.0	91.2	0.06
8/17/2009	600,487.2	106.0	0.07		1,045,370.2	736.9	0.51		83,022.6	75.1	0.05
8/24/2009	601,223.2	105.1	0.07		1,050,542.4	738.9	0.51		83,733.2	101.5	0.07
8/31/2009	601,970.6	106.8	0.07		1,055,684.8	734.6	0.51		84,331.0	85.4	0.06
9/7/2009	602,134.1	23.4	0.02		1,060,837.5	736.1	0.51		84,933.8	86.1	0.06
9/21/2009	602,267.3	9.5	0.01		1,071,519.2	763.0	0.53		86,235.0	92.9	0.06
9/28/2009	604,147.5	268.6	0.19		1,075,809.4	612.9	0.43		86,753.2	74.0	0.05
10/5/2009	605,227.0	154.2	0.11		1,080,746.0	705.2	0.49		87,336.0	83.3	0.06
10/12/2009	606,002.5	110.8	0.08		1,085,495.8	678.5	0.47		87,881.5	77.9	0.05
10/19/2009	606,733.5	104.4	0.07		1,090,352.5	693.8	0.48		88,482.0	85.8	0.06
10/26/2009	607,438.7	100.7	0.07		1,095,220.8	695.5	0.48		88,595.2	16.2	0.01
11/2/2009	608,128.7	98.6	0.07		1,100,240.5	717.1	0.50		88,595.2	0.0	0.00
11/9/2009	608,917.8	112.7	0.08		1,105,615.1	767.8	0.53		89,655.6	151.5	0.11
11/16/2009	609,583.8	95.1	0.07		1,110,219.9	657.8	0.46		90,434.8	111.3	0.08
11/23/2009	610,178.5	85.0	0.06		1,114,186.3	566.6	0.39		91,100.0	95.0	0.07
11/30/2009	610,842.9	94.9	0.07		1,118,673.8	641.1	0.45		91,843.8	106.3	0.07
12/7/2009	611,476.2	90.5	0.06		1,123,186.8	644.7	0.45		92,589.8	106.6	0.07
12/15/2009	612,185.4	88.7	0.06		1,128,318.7	641.5	0.45		93,496.3	113.3	0.08
12/21/2009	612,841.4	109.3	0.08		1,132,774.2	742.6	0.52		94,726.3	205.0	0.14
12/27/2009	613,310.6	78.2	0.05		1,136,014.6	540.1	0.38		95,605.0	146.5	0.10
1/5/2010	614,137.3	91.9	0.06		1,141,478.4	607.1	0.42		97,445.5	204.5	0.14
1/11/2010	614,683.4	91.0	0.06		1,145,031.3	592.2	0.41		98,742.8	216.2	0.15
1/18/2010	615,569.5	126.6	0.09		1,145,051.6	2.9	0.00		100,634.5	270.2	0.19
1/25/2010	616,486.4	131.0	0.09		1,151,622.3	938.7	0.65		102,752.6	302.6	0.21
2/1/2010	617,224.5	105.4	0.07		1,156,133.7	644.5	0.45		105,114.5	337.4	0.23
2/8/2010	617,909.1	97.8	0.07		1,160,556.5	631.8	0.44		107,381.6	323.9	0.22
2/15/2010	618,593.2	97.7	0.07		1,164,496.8	562.9	0.39		109,653.4	324.5	0.23
2/22/2010	619,340.0	106.7	0.07		1,168,618.8	588.9	0.41		111,891.7	319.8	0.22
3/1/2010	620,053.2	101.9	0.07		1,172,995.0	625.2	0.43		113,996.8	300.7	0.21
3/8/2010	620,743.4	98.6	0.07		1,177,280.5	612.2	0.43		116,245.7	321.3	0.22
3/15/2010	621,497.4	107.7	0.07		1,181,496.8	602.3	0.42		118,442.8	313.9	0.22
3/22/2010	622,412.2	130.7	0.09		1,181,834.2	48.2	0.03		120,885.0	348.9	0.24
3/29/2010	623,702.8	184.4	0.13		1,186,429.0	656.4	0.46		123,317.4	347.5	0.24
4/8/2010	624,945.9	124.3	0.09		1,192,879.0	645.0	0.45		125,918.4	260.1	0.18
4/12/2010	625,360.9	103.8	0.07		1,194,880.4	500.3	0.35		126,984.2	266.5	0.19
4/19/2010	626,082.8	103.1	0.07		1,199,517.0	662.4	0.46		128,895.6	273.1	0.19
4/26/2010	626,784.3	100.2	0.07		1,203,784.9	609.7	0.42		130,765.4	267.1	0.19
5/4/2010	627,585.6	100.2	0.07		1,208,530.5	593.2	0.41		132,922.0	269.6	0.19
5/10/2010	628,199.6	102.3	0.07		1,212,159.5	604.8	0.42		134,488.4	261.1	0.18
5/17/2010	628,863.9	94.9	0.07		1,216,324.0	594.9	0.41		136,360.5	267.4	0.19
5/24/2010	629,526.6	94.7	0.07		1,220,012.7	527.0	0.37		137,817.1	208.1	0.14
5/30/2010	630,251.2	120.8	0.08		1,222,182.7	361.7	0.25		138,546.5	121.6	0.08
6/7/2010	631,204.6	119.2	0.08		1,227,708.5	690.7	0.48		140,960.8	301.8	0.21
6/15/2010	631,953.4	93.6	0.07		1,232,416.6	588.5	0.41		142,994.5	254.2	0.18
6/21/2010	632,517.2	94.0	0.07		1,236,047.8	605.2	0.42		144,424.2	238.3	0.17
6/28/2010	633,169.2	93.1	0.06		1,240,339.6	613.1	0.43		145,962.4	219.7	0.15
7/6/2010	633,837.1	83.5	0.06		1,244,811.8	559.0	0.39		147,404.5	180.3	0.13
7/12/2010	634,380.4	90.6	0.06		1,248,405.5	598.9	0.42		148,487.3	180.5	0.13
7/19/2010	635,001.5	88.7	0.06		1,252,488.1	583.2	0.41		149,674.5	169.6	0.12
7/27/2010	635,685.5	85.5	0.06		1,257,047.4	569.9	0.40		150,991.3	164.6	0.11
8/2/2010	636,220.4	89.2	0.06		1,260,449.4	567.0	0.39		151,962.4	161.9	0.11
8/10/2010	636,927.8	88.4	0.06		1,264,993.6	568.0	0.39		153,258.2	162.0	0.11
8/16/2010	637,441.5	85.6	0.06		1,268,597.2	600.6	0.42		154,161.2	150.5	0.10
8/23/2010	638,035.8	84.9	0.06		1,272,587.2	570.0	0.40		155,081.2	131.4	0.09
8/30/2010	638,626.5	84.4	0.06		1,276,583.4	570.9	0.40		155,955.8	124.9	0.09
9/6/2010	639,265.8	91.3	0.06		1,280,046.2	494.7	0.34		156,942.2	140.9	0.10
9/13/2010	639,875.2	87.1	0.06		1,284,131.8	583.7	0.41		157,800.8	122.7	0.09
9/20/2010	640,469.6	84.9	0.06		1,288,150.3	574.1	0.40		158,594.6	113.4	0.08
9/27/2010	641,036.2	80.9	0.06		1,292,142.7	570.3	0.40		159,358.9	109.2	0.08
10/4/2010	641,618.8	83.2	0.06		1,296,116.8	567.7	0.39		160,048.8	98.6	0.07
10/11/2010	642,219.0	85.7	0.06		1,300,268.8	593.1	0.41		160,767.6	102.7	0.07
10/18/2010	642,753.2	76.3	0.05		1,304,035.6	538.1	0.37		161,373.6	86.6	0.06
10/25/2010	643,313.3	80.0	0.06		1,307,951.3	559.4	0.39		162,001.8	89.7	0.06
11/2/2010	643,966.8	81.7	0.06		1,312,383.6	554.0	0.38		162,713.8	89.0	0.06
11/8/2010	644,443.5	79.4	0.06		1,315,721.8	556.4	0.39		163,258.9	90.9	0.06
11/15/2010	645,010.2	81.0	0.06		1,319,597.5	553.7	0.38		163,928.5	95.7	0.07
11/22/2010	645,560.1	78.6	0.05		1,323,367.5	538.6	0.37		164,587.8	94.2	0.07
11/29/2010	646,120.4	80.0	0.06		1,327,182.2	545.0	0.38		165,443.3	122.2	0.08
12/6/2010	646,684.4	80.6	0.06		1,331,003.5	545.9	0.38		166,436.8	141.9	0.10
12/13/2010	647,243.5	79.9	0.06		1,334,787.8	540.6	0.38		167,389.5	136.1	0.09
12/20/2010	647,806.9	80.5	0.06		1,338,620.8	547.6	0.38		168,314.1	132.1	0.09
12/28/2010	648,442.8	79.5	0.06		1,342,933.1	539.0	0.37		169,564.8	156.3	0.11

Average Daily Groundwater Extraction Rates
John Smith Road Landfill

	On-Site Extraction Wells								
Date	EW-1 meter reading (gallons)	EW-1 Average gpd	EW-1 Average gpm	EW-4 meter reading (gallons)	EW-4 Average gpd	EW-4 Average gpm	EW-5 meter reading (gallons)	EW-5 Average gpd	EW-5 Average gpm
1/3/2011	648,939.8	82.8	0.06	1,346,209.2	546.0	0.38	170,686.8	187.0	0.13
1/10/2011	649,501.3	80.2	0.06	1,349,991.8	540.4	0.38	172,044.2	193.9	0.13
1/17/2011	650,087.2	83.7	0.06	1,353,808.9	545.3	0.38	173,547.2	214.7	0.15
1/24/2011	650,687.3	85.7	0.06	1,357,623.1	544.9	0.38	174,981.4	204.9	0.14
1/31/2011	651,293.4	86.6	0.06	1,361,454.2	547.3	0.38	176,311.6	190.0	0.13
2/7/2011	651,895.4	86.0	0.06	1,365,277.6	546.2	0.38	177,613.3	186.0	0.13
2/14/2011	652,501.2	86.5	0.06	1,369,109.5	547.4	0.38	178,856.4	177.6	0.12
2/21/2011	653,901.2	200.0	0.14	1,372,937.1	546.8	0.38	180,085.8	175.6	0.12
2/28/2011	654,107.8	29.5	0.02	1,376,782.1	549.3	0.38	181,462.7	196.7	0.14
3/7/2011	654,315.8	29.7	0.02	1,380,613.8	547.4	0.38	182,825.4	194.7	0.14
3/14/2011	654,940.5	89.2	0.06	1,384,430.5	545.2	0.38	184,100.8	182.2	0.13
3/21/2011	655,597.8	93.9	0.07	1,388,348.2	559.7	0.39	185,324.5	174.8	0.12
3/28/2011	656,229.8	90.3	0.06	1,392,183.6	547.9	0.38	186,651.6	189.6	0.13
4/5/2011	656,970.2	92.5	0.06	1,396,594.5	551.4	0.38	188,291.4	205.0	0.14
4/11/2011	657,579.4	101.5	0.07	1,399,950.8	559.4	0.39	189,527.3	206.0	0.14
4/18/2011	658,292.4	101.9	0.07	1,403,843.1	556.0	0.39	190,891.9	194.9	0.14
4/25/2011	659,015.8	103.3	0.07	1,407,779.2	562.3	0.39	192,180.8	184.1	0.13
5/2/2011	659,726.1	101.5	0.07	1,411,688.9	558.5	0.39	193,392.2	173.1	0.12
5/9/2011	660,488.5	108.9	0.08	1,415,627.8	562.7	0.39	194,559.3	166.7	0.12
5/16/2011	661,116.2	89.7	0.06	1,419,566.6	562.7	0.39	195,665.4	158.0	0.11
5/24/2011	661,902.1	98.2	0.07	1,424,113.5	568.4	0.39	197,012.5	168.4	0.12
5/30/2011	662,487.4	97.6	0.07	1,427,468.4	559.1	0.39	198,009.5	166.2	0.12
6/6/2011	663,187.8	100.1	0.07	1,431,413.4	563.6	0.39	199,111.5	157.4	0.11
6/13/2011	663,865.4	96.8	0.07	1,435,377.5	566.3	0.39	200,164.5	150.4	0.10
6/20/2011	664,544.9	97.1	0.07	1,439,349.6	567.4	0.39	201,051.2	126.7	0.09
6/27/2011	665,222.8	96.8	0.07	1,443,316.7	566.7	0.39	201,830.4	111.3	0.08
7/4/2011	665,908.9	98.0	0.07	1,447,292.2	567.9	0.39	202,556.9	103.8	0.07
7/11/2011	666,575.2	95.2	0.07	1,451,279.5	569.6	0.40	203,258.3	100.2	0.07
7/18/2011	667,245.2	95.7	0.07	1,455,217.8	562.6	0.39	203,886.8	89.8	0.06
7/25/2011	667,942.3	99.6	0.07	1,457,391.5	310.5	0.22	204,607.2	102.9	0.07
8/1/2011	668,925.3	140.4	0.10	1,458,116.9	103.6	0.07	205,693.3	155.2	0.11
8/8/2011	670,375.6	207.2	0.14	1,458,275.5	22.7	0.02	207,059.4	195.2	0.14
8/15/2011	671,914.5	219.8	0.15	1,460,372.6	299.6	0.21	208,236.6	168.2	0.12
8/22/2011	673,032.7	159.7	0.11	1,463,177.6	400.7	0.28	209,240.7	143.4	0.10
8/29/2011	673,991.3	136.9	0.10	1,467,081.2	557.7	0.39	210,025.6	112.1	0.08
9/5/2011	674,773.2	111.7	0.08	1,471,262.6	597.3	0.41	210,615.2	84.2	0.06
9/13/2011	675,618.3	105.6	0.07	1,475,919.2	582.1	0.40	211,249.2	79.3	0.06
9/19/2011	676,226.4	101.3	0.07	1,479,386.4	577.9	0.40	211,680.2	71.8	0.05
9/26/2011	676,938.7	101.8	0.07	1,483,378.6	570.3	0.40	212,166.8	69.5	0.05
10/3/2011	677,635.6	99.6	0.07	1,487,387.5	572.7	0.40	212,639.8	67.6	0.05
10/10/2011	678,335.7	100.0	0.07	1,490,950.5	509.0	0.35	213,089.2	64.2	0.04
10/17/2011	679,519.6	169.1	0.12	1,490,950.5	0.0	0.00	214,215.5	160.9	0.11
10/24/2011	680,712.2	170.4	0.12	1,490,950.5	0.0	0.00	215,328.9	159.1	0.11
10/31/2011	682,597.6	269.3	0.19	1,490,951.6	0.2	0.00	216,672.1	191.9	0.13
11/7/2011	684,533.6	276.6	0.19	1,496,389.2	776.8	0.54	216,933.8	37.4	0.03
11/14/2011	685,616.3	154.7	0.11	1,500,941.5	650.3	0.45	217,887.5	136.2	0.09
11/21/2011	686,455.1	119.8	0.08	1,505,011.8	581.5	0.40	218,836.3	135.5	0.09
11/28/2011	687,223.2	109.7	0.08	1,508,900.2	555.5	0.39	219,754.7	131.2	0.09
12/5/2011	687,961.8	105.5	0.07	1,512,751.3	550.2	0.38	220,623.6	124.1	0.09
12/12/2011	688,708.3	106.6	0.07	1,516,580.4	547.0	0.38	221,451.8	118.3	0.08
12/19/2011	689,422.5	102.0	0.07	1,520,325.4	535.0	0.37	222,230.7	111.3	0.08
12/26/2011	690,154.2	104.5	0.07	1,524,054.5	532.7	0.37	222,887.2	93.8	0.07
1/2/2012	690,887.6	104.8	0.07	1,527,735.4	525.8	0.37	223,483.8	85.2	0.06
1/9/2012	691,591.9	100.6	0.07	1,531,404.6	524.2	0.36	224,039.3	79.4	0.06
1/16/2012	692,461.4	124.2	0.09	1,531,508.3	14.8	0.01	224,801.8	108.9	0.08
1/23/2012	693,435.2	139.1	0.10	1,536,873.1	766.4	0.53	225,436.7	90.7	0.06
1/30/2012	694,205.4	110.0	0.08	1,540,594.4	531.6	0.37	226,046.9	87.2	0.06
2/6/2012	694,936.6	104.5	0.07	1,544,261.8	523.9	0.36	226,661.1	87.7	0.06
2/14/2012	695,769.1	104.1	0.07	1,548,417.5	519.5	0.36	227,337.9	84.6	0.06
2/21/2012	696,487.6	102.6	0.07	1,552,029.2	516.0	0.36	227,896.8	79.8	0.06
2/28/2012	697,197.5	101.4	0.07	1,555,617.4	512.6	0.36	228,411.1	73.5	0.05
3/6/2012	697,913.2	102.2	0.07	1,559,144.8	503.9	0.35	228,909.1	71.1	0.05
3/14/2012	698,720.4	100.9	0.07	1,563,134.5	498.7	0.35	229,425.3	64.5	0.04
3/20/2012	699,312.9	98.8	0.07	1,566,169.6	505.9	0.35	229,827.3	67.0	0.05
3/27/2012	700,038.5	103.7	0.07	1,569,714.2	506.4	0.35	230,422.1	85.0	0.06
4/3/2012	700,745.5	101.0	0.07	1,573,194.9	497.2	0.35	231,049.2	89.6	0.06
4/10/2012	701,473.3	104.0	0.07	1,576,691.2	499.5	0.35	231,650.5	85.9	0.06
4/17/2012	702,208.5	105.0	0.07	1,580,225.8	504.9	0.35	232,398.5	106.9	0.07
4/24/2012	702,923.2	102.1	0.07	1,583,682.2	493.8	0.34	233,322.5	132.0	0.09
5/1/2012	703,676.7	107.6	0.07	1,587,127.1	492.1	0.34	234,197.1	124.9	0.09
5/8/2012	704,447.6	110.1	0.08	1,590,599.2	496.0	0.34	235,025.9	118.4	0.08
5/15/2012	705,193.4	106.5	0.07	1,594,058.5	494.2	0.34	236,073.1	149.6	0.10
5/22/2012	705,949.8	108.1	0.08	1,597,487.4	489.8	0.34	236,558.2	69.3	0.05
5/29/2012	706,683.9	104.9	0.07	1,600,868.5	483.0	0.34	237,181.8	89.1	0.06
6/6/2012	707,558.5	109.3	0.08	1,604,705.5	479.6	0.33	237,869.7	86.0	0.06
6/12/2012	708,181.1	103.8	0.07	1,607,511.1	467.6	0.32	238,321.1	75.2	0.05
6/19/2012	708,926.7	106.5	0.07	1,610,820.4	472.8	0.33	238,852.5	75.9	0.05
6/26/2012	709,684.5	108.3	0.08	1,614,137.8	473.9	0.33	239,363.8	73.0	0.05

Average Daily Groundwater Extraction Rates
John Smith Road Landfill

	On-Site Extraction Wells									
Date	EW-1 meter reading (gallons)	EW-1 Average gpd	EW-1 Average gpm		EW-4 meter reading (gallons)	EW-4 Average gpd	EW-4 Average gpm		EW-5 meter reading (gallons)	EW-5 Average gpd	EW-5 Average gpm
7/3/2012	710,445.2	108.7	0.08		1,617,475.8	476.9	0.33		239,878.8	73.6	0.05
7/11/2012	711,321.4	109.5	0.08		1,621,297.7	477.7	0.33		240,410.3	66.4	0.05
7/16/2012	711,977.2	131.2	0.09		1,624,135.4	567.5	0.39		240,781.6	74.3	0.05
7/24/2012	712,853.1	109.5	0.08		1,627,931.5	474.5	0.33		241,265.5	60.5	0.04
7/31/2012	713,529.2	96.6	0.07		1,630,791.6	408.6	0.28		241,616.8	50.2	0.03
8/7/2012	714,304.3	110.7	0.08		1,634,183.1	484.5	0.34		241,996.5	54.2	0.04
8/14/2012	715,097.6	113.3	0.08		1,637,659.2	496.6	0.34		242,363.2	52.4	0.04
8/21/2012	715,874.8	111.0	0.08		1,641,053.5	484.9	0.34		242,713.2	50.0	0.03
8/28/2012	716,660.5	112.2	0.08		1,644,399.7	478.0	0.33		243,051.6	48.3	0.03
9/4/2012	717,477.4	116.7	0.08		1,647,700.1	471.5	0.33		243,377.2	46.5	0.03
9/11/2012	718,253.8	110.9	0.08		1,650,893.4	456.2	0.32		243,697.8	45.8	0.03
9/18/2012	718,904.6	93.0	0.06		1,654,119.2	460.8	0.32		244,008.2	44.3	0.03
9/25/2012	719,631.8	103.9	0.07		1,657,324.7	457.9	0.32		244,292.2	40.6	0.03
10/3/2012	720,409.7	97.2	0.07		1,661,025.2	462.6	0.32		244,614.6	40.3	0.03
10/10/2012	721,237.2	118.2	0.08		1,664,065.8	434.4	0.30		244,667.8	7.6	0.01
10/16/2012	721,988.2	125.2	0.09		1,666,761.6	449.3	0.31		244,668.1	0.1	0.00
10/23/2012	722,098.2	15.7	0.01		1,669,977.4	459.4	0.32		244,714.2	6.6	0.00
10/29/2012	723,215.9	186.3	0.13		1,673,119.8	523.7	0.36		245,090.9	62.8	0.04
11/6/2012	724,292.2	134.5	0.09		1,676,289.6	396.2	0.28		245,493.4	50.3	0.03
11/12/2012	725,136.2	140.7	0.10		1,679,237.3	491.3	0.34		245,842.8	58.2	0.04
11/21/2012	726,052.1	101.8	0.07		1,682,731.8	388.3	0.27		246,324.5	53.5	0.04
11/27/2012	726,730.5	113.1	0.08		1,685,313.4	430.3	0.30		246,693.3	61.5	0.04
12/4/2012	727,552.7	117.5	0.08		1,688,430.5	445.3	0.31		247,126.9	61.9	0.04
12/11/2012	728,373.4	117.2	0.08		1,691,481.2	435.8	0.30		247,795.5	95.5	0.07
12/18/2012	729,146.3	110.4	0.08		1,694,380.2	414.1	0.29		248,482.8	98.2	0.07
12/26/2012	730,076.9	116.3	0.08		1,697,780.1	425.0	0.30		249,296.1	101.7	0.07

Average Daily Groundwater Extraction Rates
John Smith Road Landfill

	Off-Site Extraction Wells						
Date	EW-2 meter reading (gallons)	EW-2 Average gpd	EW-2 Average gpm		EW-3 meter reading (gallons)	EW-3 Average gpd	EW-3 Average gpm
3/17/2000	4,319,920.0				5,705,700.0		
3/24/2000	4,367,160.0	6,748.6	4.69		5,757,670.0	7,424.3	5.16
3/31/2000	4,410,780.0	6,231.4	4.33		5,807,120.0	7,064.3	4.91
4/7/2000	4,453,180.0	6,057.1	4.21		5,856,730.0	7,087.1	4.92
4/14/2000	4,493,030.0	5,692.9	3.95		5,904,740.0	6,858.6	4.76
4/21/2000	4,529,400.0	5,195.7	3.61		5,950,380.0	6,520.0	4.53
4/28/2000	4,544,460.0	2,151.4	1.49		5,996,350.0	6,567.1	4.56
5/6/2000	4,544,460.0	0.0	0.00		6,047,010.0	6,332.5	4.40
5/12/2000	4,544,460.0	0.0	0.00		6,083,860.0	6,141.7	4.27
5/19/2000	4,544,460.0	0.0	0.00		6,125,520.0	5,951.4	4.13
5/26/2000	4,560,040.0	2,225.7	1.55		6,168,090.0	6,081.4	4.22
6/2/2000	4,594,030.0	4,855.7	3.37		6,206,000.0	5,415.7	3.76
6/9/2000	4,632,050.0	5,431.4	3.77		6,245,340.0	5,620.0	3.90
6/16/2000	4,663,200.0	4,450.0	3.09		6,281,600.0	5,180.0	3.60
6/23/2000	4,690,870.0	3,952.9	2.75		6,316,240.0	4,948.6	3.44
6/30/2000	4,715,160.0	3,470.0	2.41		6,349,490.0	4,750.0	3.30
7/7/2000	4,739,560.0	3,485.7	2.42		6,381,680.0	4,598.6	3.19
7/14/2000	4,762,030.0	3,210.0	2.23		6,413,510.0	4,547.1	3.16
7/21/2000	4,783,110.0	3,011.4	2.09		6,449,290.0	5,111.4	3.55
7/30/2000	4,809,790.0	2,964.4	2.06		6,499,540.0	5,583.3	3.88
8/4/2000	4,823,630.0	2,768.0	1.92		6,516,480.0	3,388.0	2.35
8/13/2000	4,847,780.0	2,683.3	1.86		6,544,480.0	3,111.1	2.16
8/19/2000	4,863,630.0	2,641.7	1.83		6,568,230.0	3,958.3	2.75
8/26/2000	4,880,790.0	2,451.4	1.70		6,594,370.0	3,734.3	2.59
9/1/2000	4,895,280.0	2,415.0	1.68		6,616,930.0	3,760.0	2.61
9/8/2000	4,913,650.0	2,624.3	1.82		6,646,410.0	4,211.4	2.92
9/17/2000	4,932,060.0	2,045.6	1.42		6,676,180.0	3,307.8	2.30
9/24/2000	4,947,190.0	2,161.4	1.50		6,701,020.0	3,548.6	2.46
9/29/2000	4,957,480.0	2,058.0	1.43		6,718,300.0	3,456.0	2.40
10/8/2000	4,976,371.0	2,099.0	1.46		6,750,268.0	3,552.0	2.47
10/13/2000	4,986,542.5	2,034.3	1.41		6,768,089.5	3,564.3	2.48
10/21/2000	5,002,486.7	1,993.0	1.38		6,796,804.2	3,589.3	2.49
10/28/2000	5,016,177.4	1,955.8	1.36		6,821,821.8	3,573.9	2.48
11/3/2000	5,032,846.4	2,778.2	1.93		6,852,065.5	5,040.6	3.50
11/18/2000	5,058,220.7	1,691.6	1.17		6,900,974.8	3,260.6	2.26
11/25/2000	5,072,230.0	2,001.3	1.39		6,928,144.0	3,881.3	2.70
12/2/2000	5,085,876.5	1,949.5	1.35		6,955,998.2	3,979.2	2.76
12/8/2000	5,098,060.0	2,030.6	1.41		6,980,027.5	4,004.9	2.78
12/15/2000	5,112,367.3	2,043.9	1.42		7,011,497.6	4,495.7	3.12
12/29/2000	5,140,451.0	2,006.0	1.39		7,073,303.8	4,414.7	3.07
1/12/2001	5,188,311.2	3,418.6	2.37		7,134,892.5	4,399.2	3.05
1/26/2001	5,196,626.2	593.9	0.41		7,196,968.5	4,434.0	3.08
2/2/2001	5,210,845.4	2,031.3	1.41		7,210,456.8	1,926.9	1.34
2/8/2001	5,223,682.4	2,139.5	1.49		7,211,672.5	202.6	0.14
2/16/2001	5,240,616.4	2,116.8	1.47		7,235,430.8	2,969.8	2.06
2/23/2001	5,255,763.4	2,163.9	1.50		7,272,488.8	5,294.0	3.68
3/3/2001	5,272,295.2	2,066.5	1.44		7,300,748.9	3,532.5	2.45
3/9/2001	5,287,826.2	2,588.5	1.80		7,335,899.0	5,858.3	4.07
3/16/2001	5,308,772.6	2,992.3	2.08		7,376,910.9	5,858.8	4.07
3/30/2001	5,342,240.8	2,390.6	1.66		7,423,303.7	3,313.8	2.30
4/13/2001	5,377,471.8	2,516.5	1.75		7,492,201.0	4,921.2	3.42
4/27/2001	5,410,012.5	2,324.3	1.61		7,538,631.4	3,316.5	2.30
5/4/2001	5,426,385.3	2,339.0	1.62		7,541,510.5	411.3	0.29
5/11/2001	5,441,366.4	2,140.2	1.49		7,567,587.2	3,725.2	2.59
5/18/2001	5,456,572.7	2,172.3	1.51		7,592,566.3	3,568.4	2.48
5/25/2001	5,470,425.7	1,979.0	1.37		7,614,206.3	3,091.4	2.15
6/1/2001	5,484,266.8	1,977.3	1.37		7,635,045.0	2,977.0	2.07
6/7/2001	5,495,381.5	1,852.5	1.29		7,651,511.4	2,744.4	1.91
6/15/2001	5,509,329.2	1,743.5	1.21		7,671,094.0	2,447.8	1.70
6/22/2001	5,520,732.4	1,629.0	1.13		7,686,515.3	2,203.0	1.53
6/29/2001	5,531,987.2	1,607.8	1.12		7,701,400.9	2,126.5	1.48

Average Daily Groundwater Extraction Rates
John Smith Road Landfill

	Off-Site Extraction Wells						
Date	EW-2 meter reading (gallons)	EW-2 Average gpd	EW-2 Average gpm		EW-3 meter reading (gallons)	EW-3 Average gpd	EW-3 Average gpm
7/7/2001	5,544,417.5	1,553.8	1.08		7,718,240.6	2,105.0	1.46
7/15/2001	5,556,208.1	1,473.8	1.02		7,735,276.5	2,129.5	1.48
7/21/2001	5,564,699.5	1,415.2	0.98		7,748,238.5	2,160.3	1.50
7/27/2001	5,573,129.9	1,405.1	0.98		7,761,948.0	2,284.9	1.59
8/5/2001	5,585,125.1	1,332.8	0.93		7,782,387.3	2,271.0	1.58
8/17/2001	5,600,572.9	1,287.3	0.89		7,810,001.0	2,301.1	1.60
8/24/2001	5,609,225.2	1,236.0	0.86		7,825,410.1	2,201.3	1.53
8/31/2001	5,617,726.0	1,214.4	0.84		7,842,803.8	2,484.8	1.73
9/7/2001	5,626,081.8	1,193.7	0.83		7,859,569.4	2,395.1	1.66
9/13/2001	5,633,347.8	1,211.0	0.84		7,874,326.0	2,459.4	1.71
9/21/2001	5,642,556.1	1,151.0	0.80		7,893,601.3	2,409.4	1.67
9/29/2001	5,651,731.8	1,147.0	0.80		7,913,863.1	2,532.7	1.76
10/8/2001	5,662,234.4	1,167.0	0.81		7,937,404.9	2,615.8	1.82
10/20/2001	5,675,881.5	1,137.3	0.79		7,968,622.1	2,601.4	1.81
11/3/2001	5,691,769.4	1,134.9	0.79		8,006,037.0	2,672.5	1.86
11/18/2001	5,709,117.3	1,156.5	0.80		8,048,084.7	2,803.2	1.95
11/30/2001	5,722,995.2	1,156.5	0.80		8,082,217.4	2,844.4	1.98
12/27/2001	5,741,480.5	684.6	0.48		8,165,446.3	3,082.6	2.14
1/4/2002	5,741,480.5	0.0	0.00		8,192,102.7	3,332.1	2.31
1/5/2002	5,741,769.4	288.9	0.2		NA		
1/8/2002	5,748,615.4	2,282.0	1.6		NA		
1/12/2002	5,756,024.9	1,852.4	1.29		8,218,743.6	3,330.1	2.31
1/21/2002	5,771,499.9	1,719.4	1.19		8,249,537.2	3,421.5	2.38
2/4/2002	5,794,637.9	1,652.7	1.15		8,298,115.6	3,469.9	2.41
2/25/2002	5,828,752.6	1,624.5	1.13		8,372,339.4	3,534.5	2.45
2/28/2002	5,833,428.0	1,558.5	1.08		8,382,658.0	3,439.5	2.39
3/22/2002	5,869,090.1	1,621.0	1.13		8,460,800.6	3,551.9	2.47
4/13/2002	5,905,003.1	1,632.4	1.13		8,540,194.5	3,608.8	2.51
4/19/2002	5,913,073.0	1,345.0	0.93		8,557,828.0	2,938.9	2.04
4/27/2002	5,927,436.3	1,795.4	1.25		8,589,055.7	3,903.5	2.71
5/9/2002	5,946,663.8	1,602.3	1.11		8,630,153.8	3,424.8	2.38
5/24/2002	5,970,507.4	1,589.6	1.10		8,678,544.9	3,226.1	2.24
5/31/2002	5,979,898.9	1,341.6	0.93		8,699,153.4	2,944.1	2.04
6/15/2002	6,003,102.7	1,546.9	1.07		8,741,645.8	2,832.8	1.97
6/27/2002	6,020,145.5	1,420.2	0.99		8,771,454.5	2,484.1	1.73
7/14/2002	6,035,853.3	924.0	0.64		8,816,745.6	2,664.2	1.85
7/29/2002	6,035,854.2	0.1	0.00		8,852,739.8	2,399.6	1.67
8/1/2002	6,035,981.9	42.6	0.03		8,859,095.1	2,118.4	1.47
8/7/2002	6,047,970.0	1,998.0	1.39		8,872,610.0	2,252.5	1.56
8/16/2002	6,062,042.2	1,563.6	1.09		8,892,969.2	2,262.1	1.57
8/21/2002	6,069,271.2	1,445.8	1.00		8,903,886.9	2,183.5	1.52
8/29/2002	6,080,049.4	1,347.3	0.94		8,921,141.2	2,156.8	1.50
9/13/2002	6,099,799.0	1,316.6	0.91		8,952,582.8	2,096.1	1.46
10/17/2002	6,139,424.4	1,165.5	0.81		9,014,382.4	1,817.6	1.26
11/15/2002	6,171,649.5	1,111.2	0.77		9,083,679.1	2,389.5	1.66
11/21/2002	6,178,175.0	1,087.6	0.76		9,098,236.1	2,426.2	1.68
12/6/2002	6,194,906.5	1,115.4	0.77		9,135,458.0	2,481.5	1.72
12/24/2002	6,215,501.8	1,144.2	0.79		9,183,983.9	2,695.9	1.87

Average Daily Groundwater Extraction Rates
John Smith Road Landfill

	Off-Site Extraction Wells						
Date	EW-2 meter reading (gallons)	EW-2 Average gpd	EW-2 Average gpm		EW-3 meter reading (gallons)	EW-3 Average gpd	EW-3 Average gpm
1/8/2003	6,235,826.6	1,355.0	0.94		9,230,332.9	3,089.9	2.15
1/21/2003	6,255,523.5	1,515.1	1.05		9,272,594.8	3,250.9	2.26
1/31/2003	6,271,384.4	1,586.1	1.10		9,306,648.5	3,405.4	2.36
2/14/2003	6,292,653.2	1,519.2	1.05		9,353,449.8	3,343.0	2.32
2/20/2003	6,301,935.0	1,547.0	1.07		9,374,707.2	3,542.9	2.46
2/27/2003	6,312,373.0	1,491.1	1.04		9,399,928.2	3,603.0	2.50
3/7/2003	6,324,597.9	1,528.1	1.06		9,429,380.9	3,681.6	2.56
3/21/2003	6,346,246.2	1,546.3	1.07		9,482,125.1	3,767.4	2.62
4/8/2003	6,372,247.2	1,444.5	1.00		9,544,423.6	3,461.0	2.40
4/26/2003	6,402,396.5	1,675.0	1.16		9,616,254.7	3,990.6	2.77
5/9/2003	6,423,043.3	1,588.2	1.10		9,665,314.0	3,773.8	2.62
5/13/2003	6,428,947.9	1,476.2	1.03		9,678,985.6	3,417.9	2.37
5/14/2003	6,430,552.9	1,605.0	1.11		9,683,232.6	4,247.0	2.95
5/23/2003	6,444,887.7	1,592.8	1.11		9,715,301.9	3,563.3	2.47
6/17/2003	6,480,809.3	1,436.9	1.00		9,793,108.1	3,112.2	2.16
6/27/2003	6,494,654.3	1,384.5	0.96		9,821,518.7	2,841.1	1.97
7/11/2003	6,512,475.7	1,273.0	0.88		9,856,363.8	2,488.9	1.73
7/25/2003	6,529,068.7	1,185.2	0.82		9,887,828.8	2,247.5	1.56
8/8/2003	6,544,452.8	1,098.9	0.76		9,916,556.5	2,052.0	1.42
8/12/2003	NA	NA	NA		NA	NA	NA
8/21/2003	6,557,527.1	1,005.7	0.70		9,941,582.0	1,925.0	1.34
9/15/2003	6,581,752.2	969.0	0.67		9,987,548.9	1,838.7	1.28
9/26/2003	6,592,086.5	939.5	0.65		10,007,323.4	1,797.7	1.25
10/10/2003	6,604,716.8	902.2	0.63		10,031,709.6	1,741.9	1.21
10/24/2003	6,616,817.6	864.3	0.60		10,056,051.6	1,738.7	1.21
11/7/2003	6,628,323.4	821.8	0.57		10,079,708.1	1,689.8	1.17
11/18/2003	6,637,330.9	818.9	0.57		10,099,450.1	1,794.7	1.25
11/24/2003	6,642,243.5	818.8	0.57		10,110,739.8	1,881.6	1.31
12/8/2003	6,653,969.3	837.6	0.58		10,138,311.8	1,969.4	1.37
12/22/2003	6,665,687.5	837.0	0.58		10,165,547.1	1,945.4	1.35
1/12/2004	6,684,330.6	887.8	0.62		10,212,730.6	2,246.8	1.56
1/23/2004	6,694,603.5	933.9	0.65		10,239,727.2	2,454.2	1.70
2/6/2004	6,707,939.4	952.6	0.66		10,276,247.8	2,608.6	1.81
2/20/2004	6,722,116.8	1,012.7	0.70		10,315,290.5	2,788.8	1.94
2/24/2004	6,726,102.8	996.5	0.69		10,326,063.6	2,693.3	1.87
3/12/2004	6,746,615.0	1,206.6	0.84		10,352,680.0	1,565.7	1.09
3/26/2004	6,766,031.8	1,386.9	0.96		10,420,777.8	4,864.1	3.38
4/5/2004	6,779,895.1	1,386.3	0.96		10,462,073.5	4,129.6	2.87
4/9/2004	6,785,956.6	1,515.4	1.05		10,479,453.4	4,345.0	3.02
4/23/2004	6,806,160.3	1,443.1	1.00		10,534,617.2	3,940.3	2.74
5/7/2004	6,825,978.8	1,415.6	0.98		10,584,167.1	3,539.3	2.46
5/18/2004	6,839,163.7	1,198.6	0.83		10,614,783.3	2,783.3	1.93
6/4/2004	6,861,729.6	1,327.4	0.92		10,664,820.9	2,943.4	2.04
6/17/2004	6,878,018.9	1,253.0	0.87		10,699,443.5	2,663.3	1.85
7/2/2004	6,896,471.5	1,230.2	0.85		10,737,378.9	2,529.0	1.76
7/23/2004	6,916,169.8	938.0	0.65		10,784,745.1	2,255.5	1.57
8/6/2004	6,932,505.3	1,166.8	0.81		10,813,978.0	2,088.1	1.45
8/20/2004	6,947,427.9	1,065.9	0.74		10,842,383.6	2,029.0	1.41
8/25/2004	6,952,215.2	957.5	0.66		10,851,745.0	1,872.3	1.30
9/3/2004	6,961,414.3	1,022.1	0.71		10,869,970.2	2,025.0	1.41
9/17/2004	6,974,646.7	945.2	0.66		10,896,238.3	1,876.3	1.30
10/1/2004	6,987,270.1	901.7	0.63		10,921,759.3	1,822.9	1.27
10/14/2004	6,998,458.0	860.6	0.60		10,943,871.0	1,700.9	1.18
10/29/2004	7,011,458.8	866.7	0.60		10,970,546.1	1,778.3	1.23
11/11/2004	7,022,905.4	880.5	0.61		10,996,181.5	1,972.0	1.37
11/18/2004	7,028,660.0	822.1	0.57		11,010,039.0	1,979.6	1.37
12/10/2004	NA	NA	NA		NA	NA	NA
12/19/2004	7,057,195.4	920.5	0.64		11,075,583.9	2,114.4	1.47

Average Daily Groundwater Extraction Rates
John Smith Road Landfill

	Off-Site Extraction Wells						
Date	EW-2 meter reading (gallons)	EW-2 Average gpd	EW-2 Average gpm		EW-3 meter reading (gallons)	EW-3 Average gpd	EW-3 Average gpm
1/13/2005	7,080,830.0	945.4	0.66		11,133,220.0	2,305.4	1.60
1/20/2005	7,088,155.0	1,046.4	0.73		11,152,601.0	2,768.7	1.92
1/27/2005	7,096,284.0	1,161.3	0.81		11,172,014.0	2,773.3	1.93
2/9/2005	7,110,778.5	1,115.0	0.77		11,206,783.4	2,674.6	1.86
2/17/2005	7,120,331.0	1,194.1	0.83		11,230,255.0	2,933.9	2.04
3/2/2005	7,137,294.0	1,304.8	0.91		11,268,959.0	2,977.2	2.07
3/17/2005	7,158,916.0	1,441.5	1.00		11,317,930.2	3,264.7	2.27
3/22/2005	7,166,133.8	1,443.6	1.00		11,334,460.4	3,306.0	2.30
3/29/2005	7,177,645.8	1,644.6	1.14		11,360,862.9	3,771.8	2.62
4/7/2005	7,191,970.0	1,591.6	1.11		11,392,561.4	3,522.1	2.45
4/12/2005	7,200,305.0	1,667.0	1.16		11,410,751.7	3,638.1	2.53
4/19/2005	7,211,948.0	1,663.3	1.16		11,436,170.0	3,631.2	2.52
4/26/2005	7,223,517.0	1,652.7	1.15		11,461,513.7	3,620.5	2.51
5/10/2005	7,246,345.0	1,630.6	1.13		11,511,340.2	3,559.0	2.47
5/18/2005	7,257,933.0	1,448.5	1.01		11,536,044.9	3,088.1	2.14
5/24/2005	7,269,127.0	1,865.7	1.30		11,559,506.3	3,910.2	2.72
5/31/2005	7,280,143.0	1,573.7	1.09		11,582,405.2	3,271.3	2.27
6/9/2005	7,293,922.0	1,531.0	1.06		11,610,850.2	3,160.6	2.19
6/16/2005	7,301,475.0	1,079.0	0.75		11,626,301.7	2,207.4	1.53
6/23/2005	7,314,733.0	1,894.0	1.32		11,653,278.0	3,853.8	2.68
6/28/2005	7,322,456.4	1,544.7	1.07		11,668,821.0	3,108.6	2.16
7/6/2005	7,335,160.0	1,587.9	1.10		11,692,484.0	2,957.9	2.05
7/12/2005	7,341,771.0	1,101.8	0.77		11,704,624.0	2,023.3	1.41
7/26/2005	7,360,820.0	1,360.6	0.94		11,738,091.0	2,390.5	1.66
8/2/2005	7,371,488.0	1,524.0	1.06		11,753,553.0	2,208.9	1.53
8/11/2005	7,381,518.0	1,114.4	0.77		11,771,736.0	2,020.3	1.40
8/17/2005	7,388,948.5	1,238.4	0.86		11,782,788.1	1,842.0	1.28
8/24/2005	7,397,724.3	1,253.7	0.87		11,795,630.8	1,834.7	1.27
8/29/2005	7,403,214.3	1,098.0	0.76		11,803,745.5	1,622.9	1.13
9/6/2005	7,413,429.5	1,276.9	0.89		11,819,523.9	1,972.3	1.37
9/12/2005	7,418,973.9	924.1	0.64		11,828,681.1	1,526.2	1.06
9/19/2005	7,426,518.4	1,077.8	0.75		11,840,164.2	1,640.4	1.14
9/26/2005	7,433,912.6	1,056.3	0.73		11,851,294.0	1,590.0	1.10
10/7/2005	7,445,081.6	1,015.4	0.71		11,869,193.2	1,627.2	1.13
10/17/2005	7,454,968.2	988.7	0.69		11,886,315.9	1,712.3	1.19
10/24/2005	7,461,729.8	965.9	0.67		11,898,540.9	1,746.4	1.21
10/31/2005	7,468,431.5	957.4	0.66		11,911,115.6	1,796.4	1.25
11/9/2005	7,478,044.9	1,068.2	0.74		11,929,655.9	2,060.0	1.43
11/16/2005	7,483,525.2	782.9	0.54		11,940,361.8	1,529.4	1.06
11/21/2005	7,488,220.4	939.0	0.65		11,949,728.8	1,873.4	1.30
11/28/2005	7,494,814.5	942.0	0.65		11,962,921.2	1,884.6	1.31
12/5/2005	7,501,666.1	978.8	0.68		11,976,249.0	1,904.0	1.32
12/12/2005	7,508,717.1	1,007.3	0.70		11,990,020.5	1,967.4	1.37
12/19/2005	7,515,739.9	1,003.3	0.70		12,004,031.6	2,001.6	1.39
12/28/2005	7,525,925.1	1,131.7	0.79		12,023,092.3	2,117.9	1.47
1/2/2006	7,531,823.9	1,179.8	0.82		12,034,619.0	2,305.3	1.60
1/12/2006	7,545,176.1	1,335.2	0.93		12,060,230.0	2,561.1	1.78
1/16/2006	7,550,051.9	1,219.0	0.85		12,069,235.5	2,251.4	1.56
1/26/2006	7,559,417.1	936.5	0.65		12,096,279.0	2,704.4	1.88
1/31/2006	7,566,772.7	1,471.1	1.02		12,109,619.3	2,668.1	1.85
2/7/2006	7,576,710.5	1,419.7	0.99		12,128,543.2	2,703.4	1.88
2/14/2006	7,586,407.8	1,385.3	0.96		12,147,827.5	2,754.9	1.91
2/21/2006	7,595,784.6	1,339.5	0.93		12,167,212.7	2,769.3	1.92
2/28/2006	7,605,156.1	1,338.8	0.93		12,186,918.1	2,815.1	1.95
3/7/2006	7,614,565.3	1,344.2	0.93		12,206,623.6	2,815.1	1.95
3/14/2006	7,624,330.1	1,395.0	0.97		12,227,248.4	2,946.4	2.05
3/21/2006	7,634,485.9	1,450.8	1.01		12,248,475.8	3,032.5	2.11
3/28/2006	7,644,877.9	1,484.6	1.03		12,270,600.5	3,160.7	2.19
4/4/2006	7,655,312.9	1,490.7	1.04		12,293,066.7	3,209.5	2.23
4/11/2006	7,667,235.7	1,703.3	1.18		12,317,733.1	3,523.8	2.45
4/18/2006	7,679,396.7	1,737.3	1.21		12,342,671.8	3,562.7	2.47
4/25/2006	7,691,743.8	1,763.9	1.22		12,369,531.7	3,837.1	2.66
5/2/2006	7,704,079.1	1,762.2	1.22		12,392,428.5	3,271.0	2.27
5/9/2006	7,716,317.6	1,748.4	1.21		12,417,330.9	3,557.5	2.47
5/16/2006	7,723,757.3	1,062.8	0.74		12,441,549.5	3,459.8	2.40
5/24/2006	7,723,757.3	0.0	0.00		12,467,934.2	3,298.1	2.29
5/30/2006	7,723,757.3	0.0	0.00		12,486,267.2	3,055.5	2.12
6/6/2006	7,723,757.3	0.0	0.00		12,506,131.3	2,837.7	1.97
6/12/2006	7,723,757.3	0.0	0.00		12,524,638.7	3,084.6	2.14
6/20/2006	7,736,487.1	1,591.2	1.11		12,541,975.7	2,167.1	1.50
6/27/2006	7,739,831.1	477.7	0.33		12,559,068.1	2,441.8	1.70

Average Daily Groundwater Extraction Rates
John Smith Road Landfill

	Off-Site Extraction Wells						
Date	EW-2 meter reading (gallons)	EW-2 Average gpd	EW-2 Average gpm		EW-3 meter reading (gallons)	EW-3 Average gpd	EW-3 Average gpm
7/4/2006	7,739,831.1	0.0	0.00		12,576,287.5	2,459.9	1.71
7/12/2006	7,739,831.1	0.0	0.00		12,595,677.1	2,423.7	1.68
7/18/2006	7,739,831.1	0.0	0.00		12,610,433.1	2,459.3	1.71
7/25/2006	7,756,591.8	2,394.4	1.66		12,627,695.0	2,466.0	1.71
8/1/2006	7,769,879.3	1,898.2	1.32		12,644,945.3	2,464.3	1.71
8/8/2006	7,782,081.1	1,743.1	1.21		12,662,425.8	2,497.2	1.73
8/15/2006	7,784,627.6	363.8	0.25		12,679,824.4	2,485.5	1.73
8/22/2006	7,796,870.0	1,748.9	1.21		12,697,483.9	2,522.8	1.75
8/29/2006	7,808,538.6	1,666.9	1.16		12,715,590.4	2,586.6	1.80
9/5/2006	7,819,660.8	1,588.9	1.10		12,733,827.4	2,605.3	1.81
9/12/2006	7,830,300.1	1,519.9	1.06		12,751,751.1	2,560.5	1.78
9/19/2006	7,830,721.2	60.2	0.04		12,769,695.4	2,563.5	1.78
9/26/2006	7,830,721.2	0.0	0.00		12,787,644.4	2,564.1	1.78
10/3/2006	7,844,449.1	1,961.1	1.36		12,806,058.2	2,630.5	1.83
10/10/2006	7,856,001.3	1,650.3	1.15		12,824,300.6	2,606.1	1.81
10/17/2006	7,866,917.4	1,559.4	1.08		12,842,543.4	2,606.1	1.81
10/24/2006	7,877,673.4	1,536.6	1.07		12,861,088.4	2,649.3	1.84
10/31/2006	7,888,153.9	1,497.2	1.04		12,879,949.7	2,694.5	1.87
11/7/2006	7,895,284.6	1,018.7	0.71		12,897,912.9	2,566.2	1.78
11/14/2006	7,898,219.2	419.2	0.29		12,916,291.2	2,625.5	1.82
11/21/2006	7,909,468.8	1,607.1	1.12		12,934,838.1	2,649.6	1.84
11/29/2006	7,922,812.0	1,667.9	1.16		12,956,454.0	2,702.0	1.88
12/7/2006	7,935,364.3	1,569.0	1.09		12,977,560.8	2,638.4	1.83
12/13/2006	7,945,038.2	1,612.3	1.12		12,993,570.5	2,668.3	1.85
12/19/2006	7,955,135.1	1,682.8	1.17		13,009,899.4	2,721.5	1.89
12/26/2006	7,966,520.1	1,626.4	1.13		13,029,073.6	2,739.2	1.90
1/3/2007	7,979,413.9	1,611.7	1.12		13,051,657.1	2,822.9	1.96
1/9/2007	7,988,511.9	1,516.3	1.05		13,067,956.9	2,716.6	1.89
1/23/2007	8,009,665.6	1,511.0	1.05		13,105,578.6	2,687.3	1.87
1/29/2007	8,018,371.6	1,451.0	1.01		13,120,885.8	2,551.2	1.77
2/5/2007	8,028,370.9	1,428.5	0.99		13,139,108.9	2,603.3	1.81
2/12/2007	8,038,408.0	1,433.9	1.00		13,157,997.0	2,698.3	1.87
2/19/2007	8,047,917.5	1,358.5	0.94		13,176,297.2	2,614.3	1.82
2/26/2007	8,057,541.2	1,374.8	0.95		13,195,194.1	2,699.6	1.87
3/5/2007	8,067,208.1	1,381.0	0.96		13,214,407.6	2,744.8	1.91
3/12/2007	8,067,543.9	48.0	0.03		13,233,949.5	2,791.7	1.94
3/19/2007	8,067,543.9	0.0	0.00		13,256,024.2	3,153.5	2.19
3/26/2007	8,075,786.6	1,177.5	0.82		13,272,624.2	2,371.4	1.65
4/3/2007	8,079,103.6	414.6	0.29		13,294,609.3	2,748.1	1.91
4/9/2007	8,091,038.6	1,989.2	1.38		13,310,760.5	2,691.9	1.87
4/16/2007	8,102,433.1	1,627.8	1.13		13,328,921.5	2,594.4	1.80
4/23/2007	8,113,203.1	1,538.6	1.07		13,347,023.9	2,586.1	1.80
4/30/2007	8,123,593.6	1,484.4	1.03		13,364,455.8	2,490.3	1.73
5/7/2007	8,133,654.9	1,437.3	1.00		13,382,540.6	2,583.5	1.79
5/14/2007	8,144,546.7	1,556.0	1.08		13,401,756.2	2,745.1	1.91
5/21/2007	8,152,595.9	1,149.9	0.80		13,416,187.7	2,061.6	1.43
5/28/2007	8,161,557.6	1,280.2	0.89		13,432,612.8	2,346.4	1.63
6/4/2007	8,170,165.4	1,229.7	0.85		13,447,161.5	2,078.4	1.44
6/11/2007	8,178,541.5	1,196.6	0.83		13,460,428.3	1,895.3	1.32
6/18/2007	8,186,608.3	1,152.4	0.80		13,472,656.2	1,746.8	1.21
6/26/2007	8,196,781.4	1,271.6	0.88		13,486,155.9	1,687.5	1.17
7/2/2007	8,201,848.1	844.4	0.59		13,496,218.6	1,677.1	1.16
7/9/2007	8,202,991.6	163.4	0.11		13,506,989.1	1,538.6	1.07
7/16/2007	8,206,172.6	454.4	0.32		13,517,649.0	1,522.8	1.06
7/23/2007	8,209,243.4	438.7	0.30		13,528,417.9	1,538.4	1.07
7/30/2007	8,213,879.1	662.2	0.46		13,539,616.4	1,599.8	1.11
8/6/2007	8,215,325.4	206.6	0.14		13,550,738.2	1,588.8	1.10
8/13/2007	8,220,931.1	800.8	0.56		13,561,993.5	1,607.9	1.12
8/20/2007	8,228,410.3	1,068.5	0.74		13,573,120.6	1,589.6	1.10
8/27/2007	8,235,171.6	965.9	0.67		13,583,900.9	1,540.0	1.07
9/3/2007	8,241,640.1	924.1	0.64		13,594,678.7	1,539.7	1.07
9/10/2007	8,247,820.2	882.9	0.61		13,605,311.8	1,519.0	1.05
9/17/2007	8,253,743.6	846.2	0.59		13,615,852.1	1,505.8	1.05
9/24/2007	8,259,462.5	817.0	0.57		13,626,220.8	1,481.2	1.03
10/1/2007	8,265,067.6	800.7	0.56		13,635,908.6	1,384.0	0.96
10/8/2007	8,270,623.8	793.7	0.55		13,644,911.8	1,286.2	0.89
10/16/2007	8,276,658.8	754.4	0.52		13,654,318.6	1,175.8	0.82
10/23/2007	8,281,845.6	741.0	0.51		13,662,247.4	1,132.7	0.79
10/29/2007	8,286,291.5	741.0	0.51		13,668,843.8	1,099.4	0.76
11/5/2007	8,291,315.5	717.7	0.50		13,676,145.4	1,043.1	0.72
11/12/2007	8,296,157.1	691.7	0.48		13,683,009.5	980.6	0.68
11/19/2007	8,300,978.8	688.8	0.48		13,689,675.6	952.3	0.66
11/26/2007	8,305,765.7	683.8	0.47		13,696,212.4	933.8	0.65
12/3/2007	8,310,236.4	638.7	0.44		13,702,383.6	881.6	0.61
12/10/2007	8,310,241.2	0.7	0.00		13,708,579.3	885.1	0.61
12/17/2007	8,310,241.2	0.0	0.00		13,715,242.6	951.9	0.66
12/24/2007	8,315,751.8	787.2	0.55		13,722,764.5	1,074.6	0.75

Average Daily Groundwater Extraction Rates
John Smith Road Landfill

	Off-Site Extraction Wells						
Date	EW-2 meter reading (gallons)	EW-2 Average gpd	EW-2 Average gpm		EW-3 meter reading (gallons)	EW-3 Average gpd	EW-3 Average gpm
1/6/2008	8,325,295.4	734.1	0.51		13,737,900.1	1,164.3	0.81
1/14/2008	8,331,166.6	733.9	0.51		13,748,765.2	1,358.1	0.94
1/21/2008	8,336,482.5	759.4	0.53		13,759,248.1	1,497.6	1.04
1/28/2008	8,341,581.7	728.5	0.51		13,770,000.3	1,536.0	1.07
2/4/2008	8,347,021.6	777.1	0.54		13,781,686.8	1,669.5	1.16
2/11/2008	8,352,877.2	836.5	0.58		13,794,411.4	1,817.8	1.26
2/21/2008	8,361,410.5	853.3	0.59		13,813,390.1	1,897.9	1.32
2/25/2008	8,364,817.5	851.8	0.59		13,821,140.1	1,937.5	1.35
3/3/2008	8,371,022.4	886.4	0.62		13,835,223.5	2,011.9	1.40
3/10/2008	8,377,369.8	906.8	0.63		13,849,603.0	2,054.2	1.43
3/17/2008	8,383,850.6	925.8	0.64		13,864,424.0	2,117.3	1.47
3/25/2008	8,391,173.4	915.4	0.64		13,881,262.7	2,104.8	1.46
3/31/2008	8,396,661.2	914.6	0.64		13,893,999.6	2,122.8	1.47
4/8/2008	8,404,125.7	933.1	0.65		13,911,202.3	2,150.3	1.49
4/15/2008	8,410,154.5	861.3	0.60		13,924,860.6	1,951.2	1.35
4/21/2008	8,415,543.8	898.2	0.62		13,936,782.4	1,987.0	1.38
4/30/2008	8,423,399.5	872.9	0.61		13,953,548.6	1,862.9	1.29
5/5/2008	8,427,643.4	848.8	0.59		13,962,359.2	1,762.1	1.22
5/12/2008	8,433,534.5	841.6	0.58		13,974,392.9	1,719.1	1.19
5/19/2008	8,439,497.8	851.9	0.59		13,985,943.8	1,650.1	1.15
5/26/2008	8,443,827.6	618.5	0.43		13,994,790.6	1,263.8	0.88
6/2/2008	8,449,270.7	777.6	0.54		14,002,685.8	1,127.9	0.78
6/9/2008	8,450,293.4	146.1	0.10		14,009,960.1	1,039.2	0.72
6/16/2008	8,456,101.0	829.7	0.58		14,016,412.1	921.7	0.64
6/23/2008	8,461,826.5	817.9	0.57		14,022,285.1	839.0	0.58
6/30/2008	8,467,124.8	756.9	0.53		14,027,708.8	774.8	0.54
7/9/2008	8,473,442.0	701.9	0.49		14,034,248.0	726.6	0.50
7/14/2008	8,476,819.5	675.5	0.47		14,037,761.2	702.6	0.49
7/23/2008	8,482,547.6	636.5	0.44		14,043,853.2	676.9	0.47
7/28/2008	8,485,587.8	608.0	0.42		14,047,097.8	648.9	0.45
8/5/2008	8,490,197.4	576.2	0.40		14,052,151.9	631.8	0.44
8/11/2008	8,493,525.5	554.7	0.39		14,055,877.6	620.9	0.43
8/20/2008	8,498,410.2	542.7	0.38		14,061,473.0	621.7	0.43
8/25/2008	8,501,040.1	526.0	0.37		14,064,510.0	607.4	0.42
9/1/2008	8,504,604.2	509.2	0.35		14,068,610.0	585.7	0.41
9/8/2008	8,508,092.3	498.3	0.35		14,072,610.5	571.5	0.40
9/15/2008	8,511,471.9	482.8	0.34		14,076,636.9	575.2	0.40
9/22/2008	8,514,787.1	473.6	0.33		14,080,602.8	566.6	0.39
9/29/2008	8,518,002.3	459.3	0.32		14,084,410.4	543.9	0.38
10/6/2008	8,521,153.2	450.1	0.31		14,088,115.5	529.3	0.37
10/15/2008	8,525,074.3	435.7	0.30		14,092,882.9	529.7	0.37
10/20/2008	8,527,279.3	441.0	0.31		14,095,596.6	542.7	0.38
10/27/2008	8,530,249.3	424.3	0.29		14,099,347.9	535.9	0.37
11/3/2008	8,533,270.5	431.6	0.30		14,103,300.4	564.6	0.39
11/10/2008	8,536,170.1	414.2	0.29		14,107,270.4	567.1	0.39
11/17/2008	8,539,141.6	424.5	0.29		14,111,689.8	631.3	0.44
11/24/2008	8,541,970.4	404.1	0.28		14,116,120.3	632.9	0.44
12/1/2008	8,544,897.5	418.2	0.29		14,120,895.5	682.2	0.47
12/8/2008	8,547,839.4	420.3	0.29		14,126,038.2	734.7	0.51
12/15/2008	8,550,789.6	421.5	0.29		14,131,581.3	791.9	0.55
12/22/2008	8,553,899.4	444.3	0.31		14,137,386.8	829.4	0.58
12/29/2008	8,557,268.6	481.3	0.33		14,143,654.0	895.3	0.62
1/5/2009	8,560,782.8	502.0	0.35		14,150,258.4	943.5	0.66
1/12/2009	8,564,373.8	513.0	0.36		14,157,251.8	999.1	0.69
1/19/2009	8,568,033.4	522.8	0.36		14,164,589.6	1,048.3	0.73
1/26/2009	8,571,705.4	524.6	0.36		14,172,169.8	1,082.9	0.75
2/2/2009	8,576,276.4	653.0	0.45		14,181,788.6	1,374.1	0.95
2/9/2009	8,579,797.5	503.0	0.35		14,189,281.8	1,070.5	0.74
2/16/2009	8,584,683.5	698.0	0.48		14,199,887.0	1,515.0	1.05
2/23/2009	8,588,562.4	554.1	0.38		14,208,635.8	1,249.8	0.87
3/2/2009	8,593,410.2	692.5	0.48		14,219,468.0	1,547.5	1.07
3/9/2009	8,598,501.7	727.4	0.51		14,230,955.2	1,641.0	1.14
3/16/2009	8,603,961.8	780.0	0.54		14,243,103.5	1,735.5	1.21
3/23/2009	8,609,435.1	781.9	0.54		14,255,738.5	1,805.0	1.25
3/30/2009	8,614,949.2	787.7	0.55		14,268,716.1	1,853.9	1.29
4/6/2009	8,626,369.2	1,631.4	1.13		14,281,756.9	1,863.0	1.29
4/13/2009	8,639,240.7	1,838.8	1.28		14,294,986.9	1,890.0	1.31
4/20/2009	8,648,929.4	1,384.1	0.96		14,308,351.2	1,909.2	1.33
4/27/2009	8,657,289.7	1,194.3	0.83		14,321,451.5	1,871.5	1.30
5/4/2009	8,665,166.4	1,125.2	0.78		14,334,359.5	1,844.0	1.28
5/11/2009	8,673,026.8	1,122.9	0.78		14,347,122.8	1,823.3	1.27
5/18/2009	8,680,448.2	1,060.2	0.74		14,359,217.8	1,727.9	1.20
5/25/2009	8,687,493.6	1,006.5	0.70		14,370,580.4	1,623.2	1.13
6/1/2009	8,694,244.5	964.4	0.67		14,381,423.6	1,549.0	1.08
6/8/2009	8,700,699.8	922.2	0.64		14,391,803.8	1,482.9	1.03
6/15/2009	8,706,907.2	886.8	0.62		14,401,887.4	1,440.5	1.00
6/22/2009	8,712,890.8	854.8	0.59		14,411,667.4	1,397.1	0.97
6/29/2009	8,718,907.3	859.5	0.60		14,421,006.5	1,334.2	0.93

Average Daily Groundwater Extraction Rates
John Smith Road Landfill

	Off-Site Extraction Wells						
Date	EW-2 meter reading (gallons)	EW-2 Average gpd	EW-2 Average gpm		EW-3 meter reading (gallons)	EW-3 Average gpd	EW-3 Average gpm
7/6/2009	8,724,286.5	768.5	0.53		14,430,042.0	1,290.8	0.90
7/13/2009	8,729,717.6	775.9	0.54		14,438,819.4	1,253.9	0.87
7/20/2009	8,734,959.3	748.8	0.52		14,447,296.5	1,211.0	0.84
7/27/2009	8,740,072.6	730.5	0.51		14,455,071.2	1,110.7	0.77
8/3/2009	8,745,042.5	710.0	0.49		14,463,573.5	1,214.6	0.84
8/10/2009	8,749,881.2	691.2	0.48		14,471,489.2	1,130.8	0.79
8/17/2009	8,754,554.6	667.6	0.46		14,479,098.9	1,087.1	0.75
8/24/2009	8,759,065.8	644.5	0.45		14,486,523.5	1,060.7	0.74
8/31/2009	8,763,462.8	628.1	0.44		14,494,235.8	1,101.8	0.77
9/7/2009	8,767,794.5	618.8	0.43		14,502,279.6	1,149.1	0.80
9/21/2009	8,776,583.2	627.8	0.44		14,518,430.8	1,153.7	0.80
9/28/2009	8,780,020.6	491.1	0.34		14,524,718.9	898.3	0.62
10/5/2009	8,783,490.5	495.7	0.34		14,532,098.5	1,054.2	0.73
10/12/2009	8,787,658.2	595.4	0.41		14,539,311.8	1,030.5	0.72
10/19/2009	8,791,437.8	539.9	0.37		14,546,718.9	1,058.2	0.73
10/26/2009	8,795,227.8	541.4	0.38		14,554,266.5	1,078.2	0.75
11/2/2009	8,799,019.6	541.7	0.38		14,561,892.5	1,089.4	0.76
11/9/2009	8,803,277.0	608.2	0.42		14,570,456.7	1,223.5	0.85
11/16/2009	8,806,969.6	527.5	0.37		14,577,918.4	1,066.0	0.74
11/23/2009	8,810,144.8	453.6	0.32		14,584,380.1	923.1	0.64
11/30/2009	8,813,785.5	520.1	0.36		14,591,733.8	1,050.5	0.73
12/7/2009	8,817,391.5	515.1	0.36		14,599,080.5	1,049.5	0.73
12/15/2009	8,821,590.7	524.9	0.36		14,607,637.2	1,069.6	0.74
12/21/2009	8,825,501.2	651.8	0.45		14,615,549.2	1,318.7	0.92
12/27/2009	8,828,391.1	481.7	0.33		14,621,523.9	995.8	0.69
1/5/2010	8,833,723.9	592.5	0.41		14,632,347.4	1,202.6	0.84
1/11/2010	8,837,394.0	611.7	0.42		14,639,924.6	1,262.9	0.88
1/18/2010	8,841,721.5	618.2	0.43		14,645,451.4	789.5	0.55
1/25/2010	8,847,174.6	779.0	0.54		14,659,588.3	2,019.6	1.40
2/1/2010	8,854,383.0	1,029.8	0.72		14,668,135.4	1,221.0	0.85
2/8/2010	8,861,370.6	998.2	0.69		14,680,198.1	1,723.2	1.20
2/15/2010	8,868,360.8	998.6	0.69		14,692,274.6	1,725.2	1.20
2/22/2010	8,875,126.8	966.6	0.67		14,705,717.5	1,920.4	1.33
3/1/2010	8,882,827.3	1,100.1	0.76		14,719,078.8	1,908.8	1.33
3/8/2010	8,892,940.1	1,444.7	1.00		14,733,121.8	2,006.1	1.39
3/15/2010	8,902,568.3	1,375.5	0.96		14,747,442.3	2,045.8	1.42
3/22/2010	8,911,480.6	1,273.2	0.88		14,762,869.4	2,203.9	1.53
3/29/2010	8,919,931.9	1,207.3	0.84		14,778,187.6	2,188.3	1.52
4/8/2010	8,931,961.2	1,202.9	0.84		14,800,541.2	2,235.4	1.55
4/12/2010	8,937,332.5	1,342.8	0.93		14,809,768.7	2,306.9	1.60
4/19/2010	8,947,139.5	1,401.0	0.97		14,825,934.6	2,309.4	1.60
4/26/2010	8,957,404.8	1,466.5	1.02		14,842,423.4	2,355.5	1.64
5/4/2010	8,969,279.0	1,484.3	1.03		14,853,413.9	1,373.8	0.95
5/10/2010	8,977,723.6	1,407.4	0.98		14,874,553.6	3,523.3	2.45
5/17/2010	8,987,060.8	1,333.9	0.93		14,891,910.4	2,479.5	1.72
5/24/2010	8,995,960.4	1,271.4	0.88		14,906,439.7	2,075.6	1.44
5/30/2010	8,999,106.2	524.3	0.36		14,910,844.2	734.1	0.51
6/7/2010	9,010,451.9	1,418.2	0.98		14,930,729.2	2,485.6	1.73
6/15/2010	9,020,178.6	1,215.8	0.84		14,947,822.8	2,136.7	1.48
6/21/2010	9,027,453.7	1,212.5	0.84		14,960,532.5	2,118.3	1.47
6/28/2010	9,035,916.2	1,208.9	0.84		14,975,226.1	2,099.1	1.46
7/6/2010	9,044,515.4	1,074.9	0.75		14,989,744.1	1,814.8	1.26
7/12/2010	9,051,134.5	1,103.2	0.77		15,000,619.5	1,812.6	1.26
7/19/2010	9,058,569.1	1,062.1	0.74		15,012,588.2	1,709.8	1.19
7/27/2010	9,066,610.6	1,005.2	0.70		15,025,446.2	1,607.3	1.12
8/2/2010	9,072,738.8	1,021.4	0.71		15,035,452.5	1,667.7	1.16
8/10/2010	9,080,590.5	981.5	0.68		15,048,163.2	1,588.8	1.10
8/16/2010	9,086,407.5	969.5	0.67		15,057,447.1	1,547.3	1.07
8/23/2010	9,092,918.4	930.1	0.65		15,067,768.6	1,474.5	1.02
8/30/2010	9,099,304.8	912.3	0.63		15,077,735.2	1,423.8	0.99
9/6/2010	9,105,541.8	891.0	0.62		15,087,463.5	1,389.8	0.97
9/13/2010	9,111,633.8	870.3	0.60		15,097,000.7	1,362.5	0.95
9/20/2010	9,117,603.8	852.9	0.59		15,106,326.2	1,332.2	0.93
9/27/2010	9,123,422.6	831.3	0.58		15,115,457.6	1,304.5	0.91
10/4/2010	9,129,140.5	816.8	0.57		15,124,326.8	1,267.0	0.88
10/11/2010	9,135,021.1	840.1	0.58		15,133,525.8	1,314.1	0.91
10/18/2010	9,140,293.8	753.2	0.52		15,141,870.8	1,192.1	0.83
10/25/2010	9,145,710.2	773.8	0.54		15,150,487.8	1,231.0	0.85
11/2/2010	9,151,983.4	784.2	0.54		15,160,371.2	1,235.4	0.86
11/8/2010	9,156,661.8	779.7	0.54		15,167,790.5	1,236.6	0.86
11/15/2010	9,162,210.6	792.7	0.55		15,176,593.1	1,257.5	0.87
11/22/2010	9,167,493.2	754.7	0.52		15,185,236.2	1,234.7	0.86
11/29/2010	9,173,247.4	822.0	0.57		15,194,348.9	1,301.8	0.90
12/6/2010	9,179,281.5	862.0	0.60		15,203,921.9	1,367.6	0.95
12/13/2010	9,185,283.8	857.5	0.60		15,213,682.8	1,394.4	0.97
12/20/2010	9,191,309.4	860.8	0.60		15,224,015.8	1,476.1	1.03
12/28/2010	9,198,441.2	891.5	0.62		15,236,874.2	1,607.3	1.12

Average Daily Groundwater Extraction Rates
John Smith Road Landfill

	Off-Site Extraction Wells						
Date	EW-2 meter reading (gallons)	EW-2 Average gpd	EW-2 Average gpm		EW-3 meter reading (gallons)	EW-3 Average gpd	EW-3 Average gpm
1/3/2011	9,204,111.1	945.0	0.66		15,247,473.8	1,766.6	1.23
1/10/2011	9,211,063.8	993.2	0.69		15,260,600.2	1,875.2	1.30
1/17/2011	9,218,267.6	1,029.1	0.71		15,274,182.4	1,940.3	1.35
1/24/2011	9,225,472.5	1,029.3	0.71		15,288,211.3	2,004.1	1.39
1/31/2011	9,232,677.9	1,029.3	0.71		15,302,468.1	2,036.7	1.41
2/7/2011	9,239,883.4	1,029.4	0.71		15,316,887.6	2,059.9	1.43
2/14/2011	9,247,108.9	1,032.2	0.72		15,331,504.2	2,088.1	1.45
2/21/2011	9,254,273.2	1,023.5	0.71		15,346,180.6	2,096.6	1.46
2/28/2011	9,261,942.4	1,095.6	0.76		15,361,268.2	2,155.4	1.50
3/7/2011	9,269,880.8	1,134.1	0.79		15,376,743.8	2,210.8	1.54
3/14/2011	9,277,816.2	1,133.6	0.79		15,392,291.8	2,221.1	1.54
3/21/2011	9,285,861.8	1,149.4	0.80		15,408,167.6	2,268.0	1.57
3/28/2011	9,294,675.6	1,259.1	0.87		15,424,004.2	2,262.4	1.57
4/5/2011	9,306,009.6	1,416.8	0.98		15,442,750.1	2,343.2	1.63
4/11/2011	9,314,643.8	1,439.0	1.00		15,457,050.9	2,383.5	1.66
4/18/2011	9,324,805.8	1,451.7	1.01		15,473,812.2	2,394.5	1.66
4/25/2011	9,334,487.9	1,383.2	0.96		15,490,463.3	2,378.7	1.65
5/2/2011	9,343,825.6	1,334.0	0.93		15,506,860.8	2,342.5	1.63
5/9/2011	9,352,878.8	1,293.3	0.90		15,522,957.1	2,299.5	1.60
5/16/2011	9,361,618.7	1,248.6	0.87		15,538,595.8	2,234.1	1.55
5/24/2011	9,371,661.6	1,255.4	0.87		15,556,363.2	2,220.9	1.54
5/30/2011	9,379,002.4	1,223.5	0.85		15,569,168.2	2,134.2	1.48
6/6/2011	9,387,499.2	1,213.8	0.84		15,583,866.3	2,099.7	1.46
6/13/2011	9,395,790.8	1,184.5	0.82		15,598,147.8	2,040.2	1.42
6/20/2011	9,403,834.2	1,149.1	0.80		15,611,859.2	1,958.8	1.36
6/27/2011	9,411,688.6	1,122.1	0.78		15,625,162.5	1,900.5	1.32
7/4/2011	9,419,367.8	1,097.0	0.76		15,638,137.7	1,853.6	1.29
7/11/2011	9,426,876.5	1,072.7	0.74		15,650,584.8	1,778.2	1.23
7/18/2011	9,434,151.9	1,039.3	0.72		15,662,631.5	1,721.0	1.20
7/25/2011	9,441,317.3	1,023.6	0.71		15,674,371.8	1,677.2	1.16
8/1/2011	9,448,310.9	999.1	0.69		15,685,853.2	1,640.2	1.14
8/8/2011	9,455,195.2	983.5	0.68		15,697,088.5	1,605.0	1.11
8/15/2011	9,461,884.5	955.6	0.66		15,708,011.8	1,560.5	1.08
8/22/2011	9,468,515.8	947.3	0.66		15,718,791.7	1,540.0	1.07
8/29/2011	9,474,881.7	909.4	0.63		15,729,126.6	1,476.4	1.03
9/5/2011	9,481,197.9	902.3	0.63		15,739,386.2	1,465.7	1.02
9/13/2011	9,488,302.6	888.1	0.62		15,750,864.8	1,434.8	1.00
9/19/2011	9,493,603.9	883.6	0.61		15,759,298.2	1,405.6	0.98
9/26/2011	9,499,552.3	849.8	0.59		15,768,750.2	1,350.3	0.94
10/3/2011	9,505,381.8	832.8	0.58		15,778,138.7	1,341.2	0.93
10/10/2011	9,511,301.5	845.7	0.59		15,787,339.8	1,314.4	0.91
10/17/2011	9,518,074.6	967.6	0.67		15,799,624.7	1,755.0	1.22
10/24/2011	9,523,388.8	759.2	0.53		15,805,875.9	893.0	0.62
10/31/2011	9,529,286.5	842.5	0.59		15,814,946.9	1,295.9	0.90
11/7/2011	9,535,238.9	850.3	0.59		15,823,929.8	1,283.3	0.89
11/14/2011	9,541,598.2	908.5	0.63		15,830,224.1	899.2	0.62
11/21/2011	9,548,059.3	923.0	0.64		15,842,415.5	1,741.6	1.21
11/28/2011	9,554,554.3	927.9	0.64		15,851,918.4	1,357.6	0.94
12/5/2011	9,560,644.9	870.1	0.60		15,861,629.5	1,387.3	0.96
12/12/2011	9,566,869.5	889.2	0.62		15,871,376.3	1,392.4	0.97
12/19/2011	9,572,772.1	843.2	0.59		15,881,126.7	1,392.9	0.97
12/26/2011	9,578,954.8	883.2	0.61		15,890,922.9	1,399.5	0.97
1/2/2012	9,585,037.2	868.9	0.60		15,900,802.5	1,411.4	0.98
1/9/2012	9,590,902.6	837.9	0.58		15,910,737.1	1,419.2	0.99
1/16/2012	9,596,265.3	766.1	0.53		15,920,680.1	1,420.4	0.99
1/23/2012	9,601,693.2	775.4	0.54		15,930,695.1	1,430.7	0.99
1/30/2012	9,608,951.1	1,036.8	0.72		15,941,218.9	1,503.4	1.04
2/6/2012	9,615,679.4	961.2	0.67		15,951,455.3	1,462.3	1.02
2/14/2012	9,623,399.4	965.0	0.67		15,963,671.5	1,527.0	1.06
2/21/2012	9,630,068.8	952.8	0.66		15,974,423.5	1,536.0	1.07
2/28/2012	9,636,623.8	936.4	0.65		15,985,224.4	1,543.0	1.07
3/6/2012	9,643,176.5	936.1	0.65		15,995,983.7	1,537.0	1.07
3/14/2012	9,650,422.2	905.7	0.63		16,008,031.9	1,506.0	1.05
3/20/2012	9,657,071.5	1,108.2	0.77		16,017,204.3	1,528.7	1.06
3/27/2012	9,668,112.1	1,577.2	1.10		16,028,451.1	1,606.7	1.12
4/3/2012	9,679,517.6	1,629.4	1.13		16,039,967.2	1,645.2	1.14
4/10/2012	9,690,243.5	1,532.3	1.06		16,051,912.3	1,706.4	1.19
4/17/2012	9,703,512.4	1,895.6	1.32		16,064,624.5	1,816.0	1.26
4/24/2012	9,716,089.6	1,796.7	1.25		16,077,853.8	1,889.9	1.31
5/1/2012	9,726,887.3	1,542.5	1.07		16,091,218.6	1,909.3	1.33
5/8/2012	9,736,951.2	1,437.7	1.00		16,104,628.4	1,915.7	1.33
5/15/2012	9,746,465.4	1,359.2	0.94		16,117,611.3	1,854.7	1.29
5/22/2012	9,755,539.1	1,296.2	0.90		16,129,971.8	1,765.8	1.23
5/29/2012	9,764,197.9	1,237.0	0.86		16,141,720.2	1,678.3	1.17
6/6/2012	9,773,709.2	1,188.9	0.83		16,154,625.3	1,613.1	1.12
6/12/2012	9,780,406.7	1,116.3	0.78		16,163,670.1	1,507.5	1.05
6/19/2012	9,787,913.4	1,072.4	0.74		16,173,910.5	1,462.9	1.02
6/26/2012	9,795,045.2	1,018.8	0.71		16,183,742.4	1,404.6	0.98

Average Daily Groundwater Extraction Rates
John Smith Road Landfill

	Off-Site Extraction Wells						
Date	EW-2 meter reading (gallons)	EW-2 Average gpd	EW-2 Average gpm		EW-3 meter reading (gallons)	EW-3 Average gpd	EW-3 Average gpm
7/3/2012	9,801,828.5	969.0	0.67		16,193,332.9	1,370.1	0.95
7/11/2012	9,809,178.4	918.7	0.64		16,203,933.6	1,325.1	0.92
7/16/2012	9,814,408.7	1,046.1	0.73		16,211,514.3	1,516.1	1.05
7/24/2012	9,821,169.7	845.1	0.59		16,221,437.2	1,240.4	0.86
7/31/2012	9,826,029.9	694.3	0.48		16,228,657.9	1,031.5	0.72
8/7/2012	9,831,540.8	787.3	0.55		16,236,846.6	1,169.8	0.81
8/14/2012	9,836,943.1	771.8	0.54		16,244,870.1	1,146.2	0.80
8/21/2012	9,842,089.6	735.2	0.51		16,252,660.5	1,112.9	0.77
8/28/2012	9,847,088.5	714.1	0.50		16,260,291.1	1,090.1	0.76
9/4/2012	9,851,743.4	665.0	0.46		16,267,712.6	1,060.2	0.74
9/11/2012	9,856,315.6	653.2	0.45		16,274,912.7	1,028.6	0.71
9/18/2012	9,860,370.6	579.3	0.40		16,282,510.1	1,085.3	0.75
9/25/2012	9,861,188.8	116.9	0.08		16,288,056.5	792.3	0.55
10/3/2012	9,867,421.2	779.0	0.54		16,296,704.8	1,081.0	0.75
10/10/2012	9,871,828.6	629.6	0.44		16,303,613.1	986.9	0.69
10/16/2012	9,875,543.9	619.2	0.43		16,309,566.9	992.3	0.69
10/23/2012	9,879,769.8	603.7	0.42		16,316,345.2	968.3	0.67
10/29/2012	9,883,856.2	681.1	0.47		16,323,025.6	1,113.4	0.77
11/6/2012	9,887,995.6	517.4	0.36		16,329,815.4	848.7	0.59
11/12/2012	9,891,774.2	629.8	0.44		16,336,107.4	1,048.7	0.73
11/21/2012	9,896,144.8	485.6	0.34		16,343,471.8	818.3	0.57
11/27/2012	9,899,367.8	537.2	0.37		16,348,901.4	904.9	0.63
12/4/2012	9,903,964.9	656.7	0.46		16,355,674.2	967.5	0.67
12/11/2012	9,911,965.1	1,142.9	0.79		16,363,151.4	1,068.2	0.74
12/18/2012	9,918,638.9	953.4	0.66		16,370,676.4	1,075.0	0.75
12/26/2012	9,926,585.2	993.3	0.69		16,380,078.3	1,175.2	0.82

Landfill Gas Extraction Data

John Smith Landfill
Gas Flare Flow Data

Historical Flow Information

Start	End		Time (days)	Flow Rate (scfm)	Total Flow (scf)	SCF
Beginning	7/1/02 0:00				14,408,160	
7/1/02 0:00	12/31/02 0:00		183.00	36.31993018	9,571,028	
						23,979,188

2003 Annual Flow Information

Start	End		Time (days)	Flow Rate (scfm)	Total Flow (scf)	
1/1/03 0:00	7/1/03 0:00		181.00	44.38	11,567,708	11,567,708
7/2/03 11:07	8/1/03 11:06		30.00	83.54	3,608,844	
8/1/03 11:06	9/1/03 12:04		31.04	86.41	3,862,354	
9/1/03 12:04	9/22/03 7:08		20.79	96.17	2,879,714	
9/22/03 7:08	10/1/03 8:21	(1)	9.05	98.44	1,282,969	
10/1/03 8:21	11/1/03 10:17		31.08	94.79	4,242,421	
11/1/03 10:17	12/2/03 10:23		31.00	91.18	4,070,822	
12/2/03 10:23	1/2/04 10:23		31.00	76.81	3,428,798	23,375,924
						34,943,631

1. Eight days data corrupted, estimate based on daily readings & history

2004 Annual Flow Information

Start	End		Time (days)	Flow Rate (scfm)	Total Flow (scf)	
1/2/04 10:23	2/1/04 14:47		30.18	74.24	3,226,767	
2/1/04 14:47	3/1/04 8:29		28.74	70.09	2,900,464	
3/1/04 8:29	4/1/04 8:30		31.00	73.43	3,277,989	
4/1/04 8:30	5/2/04 19:08		31.44	81.28	3,680,196	
5/2/04 19:08	6/1/04 8:11		29.54	69.59	2,960,567	
6/1/04 8:11	6/15/04 12:00		14.16	76.52	1,560,166	
6/15/04 12:00	7/1/04 17:47		16.24	180.97	4,232,345	21,838,495
7/1/04 17:47	7/8/04 0:00		6.26	270	2,433,510	
7/8/04 0:00	7/22/04 0:00		14.00	99	1,995,840	
7/22/04 0:00	8/4/04 0:00		13.00	101	1,890,720	
8/4/04 0:00	8/9/04 0:00		5.00	225	1,620,000	
8/9/04 0:00	8/12/04 0:00		3.00	226	976,320	
8/12/04 0:00	8/17/04 0:00		5.00	314	2,260,800	
8/17/04 0:00	8/30/04 0:00		13.00	231	4,324,320	
8/30/04 0:00	9/15/04 0:00		16.00	287	6,612,480	
9/15/04 0:00	10/19/04 0:00		34.00	269	13,170,240	
10/19/04 0:00	10/25/04 0:00		6.00	293	2,531,520	
10/25/04 0:00	11/4/04 0:00		10.00	290	4,176,000	
11/4/04 0:00	11/11/04 0:00		7.00	285	2,872,800	
11/11/04 0:00	11/23/04 0:00		12.00	255	4,406,400	
11/23/04 0:00	12/3/04 0:00		10.00	271	3,902,400	
12/3/04 0:00	12/20/04 0:00		17.00	281	6,878,880	
12/20/04 0:00	12/27/04 0:00		7.00	291	2,933,280	
12/27/04 0:00	1/1/05 0:00		5.00	281	2,023,200	65,008,710
				2004		**86,847,205**

2005 Semi Annual Flow Information

Start	End		Time (hours of operation)	Flow Rate (scfm)	Total Flow (scf)	
1/1/05	2/1/05		741.20	226	10,050,672	
2/1/05	3/1/05		669.20	217	8,712,984	
3/1/05	4/1/05		712.70	242.5	10,369,785	
4/1/05	5/1/05		717.50	242.3	10,431,015	
5/1/05	6/1/05		734.00	260	11,450,400	
6/1/05	7/1/05		717.00	278	11,959,560	62,974,416
7/1/05	8/1/05		744.00	278	12,409,920	
8/1/05	9/1/05		709.00	300	12,762,000	
9/1/05	10/1/05		703.07	272.5	11,495,195	
10/1/05	11/1/05		697.04	249	10,413,778	
11/1/05	12/1/05		607.87	263.3	9,603,130	
12/1/05	12/31/05		666.38	276	11,035,253	67,719,275
				2005		**130,693,691**

John Smith Landfill
Gas Flare Flow Data

2006 Semi Annual Flow Information

Start	End		Time (hours of operation)	Flow Rate (scfm)	Total Flow (scf)	
1/1/06	2/1/06		813.50	281	13,715,610	
2/1/06	3/1/06		657.90	280	11,052,720	
3/1/06	4/1/06		734.20	278	12,246,456	
4/1/06	5/1/06		648.80	275	10,705,200	
5/1/06	6/1/06		625.40	267	10,018,908	
6/1/06	7/1/06		720.00	284	12,268,800	70,007,694
7/1/06	8/1/06		734.90	280	12,326,853	
8/1/06	9/1/06		668.40	282	11,301,008	
9/1/06	10/1/06		720.00	260	11,197,560	
10/1/06	11/1/06		701.00	267	11,215,001	
11/1/06	12/1/06		683.10	274	11,187,272	
12/1/06	12/31/06		743.00	272	12,117,817	69,345,511
				2006		**139,353,205**

2007 Semi Annual Flow Information

Start	End		Time (hours of operation)	Flow Rate (scfm)	Total Flow (scf)	
1/1/07	2/1/07		647.60	268	10,449,516	
2/1/07	3/1/07		670.20	266	10,697,582	
3/1/07	4/1/07		742.80	263	11,712,612	
4/1/07	5/1/07		708.50	266	11,326,872	
5/1/07	6/1/07		739.10	256.4	11,371,363	
6/1/07	7/1/07		720.00	266.6	11,523,839	67,081,784
7/1/07	8/1/07		743.75	261.1	11,649,517	
8/1/07	9/1/07		724.08	259.9	11,291,396	
9/1/07	10/1/07		706.67	259.4	10,998,647	
10/1/07	11/1/07		735.98	252.1	11,132,994	
11/1/07	12/1/07		699.83	240.7	10,107,263	
12/1/07	12/31/07		715.50	225.5	9,676,976	64,856,793
				2007		**131,938,577**

2008 Semi Annual Flow Information

Start	End		Time (hours of operation)	Flow Rate (scfm)	Total Flow (scf)	
1/1/08	2/1/08		740.50	227.7	10,115,407	
2/1/08	3/1/08		695.50	227.4	9,487,626	
3/1/08	4/1/08		744.00	224.3	10,013,495	
4/1/08	5/1/08		716.80	240.1	10,328,594	
5/1/08	6/1/08		705.50	240.7	10,188,152	
6/1/08	7/1/08		720.00	235.4	10,169,075	60,302,349
7/1/08	8/1/08		737.80	233.0	13,015,789	
8/1/08	9/1/08		735.40	241.9	10,671,308	
9/1/08	10/1/08		717.50	244.7	10,542,814	
10/1/08	11/1/08		743.40	259.2	11,562,357	
11/1/08	12/1/08		706.00	259.9	11,011,549	
12/1/08	12/31/08		743.50	264.0	11,777,946	68,581,763
				2008		**128,884,112**

2009 Semi Annual Flow Information

Start	End		Time (hours of operation)	Flow Rate (scfm)	Total Flow (scf)	
1/1/09	2/1/09		741.70	262.0	11,662,588	
2/1/09	3/1/09		662.20	261.5	10,390,176	
3/1/09	4/1/09		620.40	257.0	9,561,524	
4/1/09	5/1/09		639.50	196.0	7,520,506	
5/1/09	6/1/09		743.80	191.2	8,520,655	
6/1/09	7/1/09		695.10	207.3	8,647,942	56,303,391
7/1/09	8/1/09		717.18	205.6	8,847,574	
8/1/09	9/1/09		734.92	220.8	9,737,473	
9/1/09	10/1/09		700.62	206.4	8,675,129	
10/1/09	11/1/09		522.73	210.1	6,590,107	
11/1/09	12/1/09		598.53	210.9	7,572,009	
12/1/09	12/31/09		530.97	211.2	6,727,708	48,150,000
				2009		**104,453,391**

John Smith Landfill
Gas Flare Flow Data

2010 Semi Annual Flow Information

Start	End		Time (hours of operation)	Flow Rate (scfm)	Total Flow (scf)	
1/1/10	2/1/10		572.77	214.2	7,361,522	
2/1/10	3/1/10		650.68	230.7	9,008,127	
3/1/10	4/1/10		743.00	228.6	10,189,522	
4/1/10	5/1/10		673.28	231.4	9,349,372	
5/1/10	6/1/10		489.52	217.9	6,400,810	
6/1/10	7/1/10		497.66	225	6,718,410	49,027,763
7/1/10	8/1/10		572.92	241.5	8,300,383	
8/1/10	9/1/10		677.72	258.0	10,489,753	
9/1/10	10/1/10		478.88	251.2	7,217,356	
10/1/10	11/1/10		541.26	269.7	8,758,656	
11/1/10	12/1/10		359.18	276.9	5,976,064	
12/1/10	12/31/10		652.90	250.6	9,815,280	50,557,492
				2010		**99,585,255**

2011 Semi Annual Flow Information

Start	End		Time (hours of operation)	Flow Rate (scfm)	Total Flow (scf)	
1/1/11	2/1/11		301.78	243.6	4,411,514	
2/1/11	3/1/11		624.13	234.4	8,790,033	
3/1/11	4/1/11		738.37	208.1	9,218,234	
4/1/11	5/1/11		704.47	221.5	9,361,076	
5/1/11	6/1/11		729.47	216.7	9,483,968	
6/1/11	7/1/11		661.00	218.1	8,645,953	49,910,778
7/1/11	8/1/11		606.45	214.2	7,795,581	
8/1/11	9/1/11		612.88	215.5	7,923,355	
9/1/11	10/1/11		541.12	230.2	7,474,103	
10/1/11	11/1/11		380.05	234.9	5,453,287	
11/1/11	12/1/11		629.46	223.6	8,444,036	
12/1/11	12/31/11		694.92	228.4	9,523,312	46,613,674
				2011		**96,524,452**

2012 Semi Annual Flow Information

Start	End		Time (hours of operation)	Flow Rate (scfm)	Total Flow (scf)	
1/1/12	2/1/12		611.89	225.2	8,268,481	
2/1/12	3/1/12		661.92	226.9	9,013,093	
3/1/12	4/1/12		741.00	229.7	10,210,755	
4/1/12	5/1/12		639.01	236.0	9,047,404	
5/1/12	6/1/12		681.97	233.0	9,531,283	
6/1/12	7/1/12		171.00	219.9	2,256,120	48,327,134
7/1/12	8/1/12		515.26	227.9	7,044,845	
8/1/12	9/1/12		739.48	216.5	9,605,792	
9/1/12	10/1/12		679.48	218.3	8,900,987	
10/1/12	11/1/12		716.34	218.1	9,373,798	
11/1/12	12/1/12		637.67	210.6	8,056,992	
12/1/12	12/31/12		682.47	218.9	8,962,738	51,945,152
				2012		**100,272,286**

Total to Date 1,077,474,994

APPENDIX B

Groundwater Velocity and Gradient Calculations

Groundwater Velocity Calculations

Seepage Velocity Calculations
Water Levels Measured October 30, 2012

Given:

Class I Facility

E-12 to E-3 gradient calculation

Distance E-12 to E-3	=	224	
Groundwater elevation, E-12	=	728.38	
Groundwater elevation, E-3	=	691.90	
Groundwater elevation difference	=	36.48	
Gradient (i)	=	0.163	ft/ft

Class III Facility

Eastern and Central Portion

710 foot to 680 foot contour gradient calculation

Distance 710 to 680, northeast portion of landfill	=	900	
Groundwater elevation, 710 foot contour	=	710	
Groundwater elevation, 680 foot contour	=	680	
Groundwater elevation difference	=	30	
Gradient (i)	=	0.033	ft/ft

Southwest Portion

670 foot to 640 foot contour gradient calculation

Distance 670 to 640, southwest portion of landfill	=	250	
Groundwater elevation, 670 foot contour	=	670	
Groundwater elevation, 640 foot contour	=	640	
Groundwater elevation difference	=	30	
Gradient (i)	=	0.120	ft/ft

Adjacent Field Southwest of Site

WA-13 to WA-14 gradient calculation

Distance WA-13 to WA-14	=	160	
Groundwater elevation, WA-13	=	618.98	
Groundwater elevation, WA-14	=	617.33	
Groundwater elevation difference	=	1.65	
Gradient (i)	=	0.010	ft/ft

WA-11 to WA-20 gradient calculation

Distance WA-11 to WA-20	=	1,605	
Groundwater elevation, WA-11	=	616.74	
Groundwater elevation, WA-20	=	600.54	
Groundwater elevation difference	=	16.2	
Gradient (i)	=	0.0101	ft/ft

Valley-fill alluvium hydraulic conductivity, high (K_h)	=	3.1E-03	cm/sec
Valley-fill alluvium hydraulic conductivity, low (K_h)	=	4.8E-05	cm/sec
Panoche Fm hydraulic conductivity, high (K_h)	=	1.4E-03	cm/sec
Panoche Fm hydraulic conductivity, low (K_l)	=	1.0E-05	cm/sec

Valley-fill effective porosity (ne)	=	0.03	= (3%)
Panoche Fm effective porosity, low (ne)		0.09	= (9%)
Panoche Fm effective porosity, high (ne)		0.10	= (10%)

Find: **Velocity = Ki/ne**

Class I Facility

E-12 to E-3

Where K= 1.4 x 10-3 cm/sec	=	K * [(0.0328 ft/cm) (60 sec/min) (60 min/hr) (24 hr/day)] * i / ne	
Where ne= 0.09	=	2.5E-03	cm/sec
Where i = bedrock from above	=	2,623	**ft/year**
Where K= 1.0 x 10-5 cm/sec	=	K * [(0.0328 ft/cm) (60 sec/min) (60 min/hr) (24 hr/day)] * i / ne	
Where ne= 0.09	=	1.8E-05	cm/sec
Where i = bedrock from above	=	18.7	**ft/year**
Where K= 1.4 x 10-3 cm/sec	=	K * [(0.0328 ft/cm) (60 sec/min) (60 min/hr) (24 hr/day)] * i / ne	
Where ne= 0.10	=	2.3E-03	cm/sec
Where i = bedrock from above	=	2,360	**ft/year**
Where K= 1.0 x 10-5 cm/sec	=	K * [(0.0328 ft/cm) (60 sec/min) (60 min/hr) (24 hr/day)] * i / ne	
Where ne= 0.10	=	1.6E-05	cm/sec
Where i = bedrock from above	=	16.9	**ft/year**

Class I Facility Groundwater Seepage Velocity Range

E-12 to E-3 = 16.9 to 2,623 ft/year

Class III Facility

Eastern and Central Portion

Where K= 1.4 x 10-3 cm/sec	=	K * [(0.0328 ft/cm) (60 sec/min) (60 min/hr) (24 hr/day)] * i / ne	
Where ne= 0.09	=	5.1E-04	cm/sec
i bedrock from above	=	531	**ft/year**
Where K= 1.0 x 10-5 cm/sec	=	K * [(0.0328 ft/cm) (60 sec/min) (60 min/hr) (24 hr/day)] * i / ne	
Where ne= 0.09	=	3.7E-06	cm/sec
i bedrock from above	=	3.8	**ft/year**
Where K= 1.4 x 10-3 cm/sec	=	K * [(0.0328 ft/cm) (60 sec/min) (60 min/hr) (24 hr/day)] * i / ne	
Where ne= 0.10	=	4.6E-04	cm/sec
i bedrock from above	=	478	**ft/year**
Where K= 1.0 x 10-5 cm/sec	=	K * [(0.0328 ft/cm) (60 sec/min) (60 min/hr) (24 hr/day)] * i / ne	
Where ne= 0.10	=	3.3E-06	cm/sec
i bedrock from above	=	3.4	**ft/year**

Southwest Portion

Where K= 1.4 x 10-3 cm/sec	=	K * [(0.0328 ft/cm) (60 sec/min) (60 min/hr) (24 hr/day)] * i / ne	
Where ne= 0.09	=	1.9E-03	cm/sec
i bedrock from above	=	1,931	**ft/year**
Where K= 1.0 x 10-5 cm/sec	=	K * [(0.0328 ft/cm) (60 sec/min) (60 min/hr) (24 hr/day)] * i / ne	
Where ne= 0.09	=	1.3E-05	cm/sec
i bedrock from above	=	13.8	**ft/year**
Where K= 1.4 x 10-3 cm/sec	=	K * [(0.0328 ft/cm) (60 sec/min) (60 min/hr) (24 hr/day)] * i / ne	
Where ne= 0.10	=	1.7E-03	cm/sec
i bedrock from above	=	1,738	**ft/year**
Where K= 1.0 x 10-5 cm/sec	=	K * [(0.0328 ft/cm) (60 sec/min) (60 min/hr) (24 hr/day)] * i / ne	
Where ne= 0.10	=	1.2E-05	cm/sec
i bedrock from above	=	12.4	**ft/year**

Class III Facility Groundwater Seepage Velocity Range

Eastern and Central Area	**=**	**3.4**	**to**	**531**	**ft/year**
Southwest Area	**=**	**12.4**	**to**	**1,931**	**ft/year**

Adjacent Field Southwest of Site

WA-13 to WA-14

Where K= 3.1 x 10-3 cm/sec	=	K * [(0.0328 ft/cm) (60 sec/min) (60 min/hr) (24 hr/day)] * i / ne	
Where ne= 0.03	=	1.0E-03	cm/sec
i WA-13 toWA-14 from above	=	1,069	**ft/year**
Where K= 4.8 x 10-5 cm/sec	=	K * [(0.0328 ft/cm) (60 sec/min) (60 min/hr) (24 hr/day)] * i / ne	
Where ne= 0.03	=	1.6E-05	cm/sec
i for WA-13 toWA-14 from above	=	16.6	**ft/year**

WA-11 to WA-20

Where K= 3.1 x 10-3 cm/sec	=	K * [(0.0328 ft/cm) (60 sec/min) (60 min/hr) (24 hr/day)] * i / ne	
Where ne= 0.03	=	1.0E-03	cm/sec
i for WA-11 toWA-20 from above	=	1,080	**ft/year**
Where K= 4.8 x 10-5 cm/sec	=	K * [(0.0328 ft/cm) (60 sec/min) (60 min/hr) (24 hr/day)] * i / ne	
Where ne= 0.03	=	1.6E-05	cm/sec
i WA-11 toWA-20 from above	=	16.7	**ft/year**

Adjacent Field Southwest of Site Groundwater Seepage Velocity Range					
WA-13 to WA-14	**=**	**16.6**	**to**	**1,069**	**ft/year**
WA-11 to WA-20	**=**	**16.7**	**to**	**1,080**	**ft/year**

Vertical Gradient Calculations

Vertical Gradient Calculations
Fourth Quarter 2012
John Smith Road Landfill

Filter Pack Midpoint

Well	ft, MSL	Well	ft, MSL	Well	ft, MSL
E-1	724.8	E-13	665.2	WA-10	603.6
E-3	688.3	E-14	667.2	WA-14	611.2
E-8	657.7	E-15	710.0	WA-15	552.0
E-9	698.8	E-16	643.8		
E-12	691.4	WA-8	592.5		

Groundwater Elevations
10/30/2012

Well	ft, MSL	Well	ft, MSL	Well	ft, MSL
E-1	727.34	E-13	731.91	WA-10	612.77
E-3	691.90	E-14	730.07	WA-14	617.33
E-8	694.54	E-15	716.36	WA-15	614.61
E-9	727.80	E-16	717.40		
E-12	728.38	WA-8	612.59		

Gradient Calculation

Well Pair (shallow/deep)	Distance Between Filter-pack Midpoint	Groundwater Elevation Difference 10/30/2012	Vertical Gradient 10/30/2012
	(ft)	(ft)	(ft/ft)
Class I Facility			
E-1/E-9	26.0	0.46	0.02
E-1/E-14	57.5	2.73	0.05
E-9/E-14	31.6	2.27	0.07
E-3/E-8	30.6	2.64	0.09
E-12/E-13	26.2	3.53	0.13
E-15/E-16	66.1	1.04	0.02
Off-Site Wells			
WA-10/WA-8	11.1	-0.18	-0.02
WA-14/WA-15	59.1	-2.72	-0.05

Notes:

Positive groundwater elevation differences indicate that the groundwater elevation in the deeper well is higher than the groundwater elevation in the shallower well.

Positive vertical gradients indicate an upward flow potential; negative gradients indicate a downward flow potential.

APPENDIX C

Groundwater and Soil-Gas Field Data

Groundwater Field Data

WATER LEVEL DATA SHEET
Golder Associates, Inc.

Project: John Smith Rd. Landfill
Project No.: 053-7473-09 Phase 1 and 2
Date(s): 10/30/12
Name: M. PIERCE Tom Vercouteren
Weather: sunny, cool Sounder #:

Well	Date	Time	DTW (TOC)	Total Depth	Meas. By	Comments
E-1	10/30/12	1001	59.93	NM	mp	
E-2		1042	84.06			
E-3		1031	107.40			
E-8		1038	106.68			
E-9		1013	60.73			
E-12		1019	70.05			
E-13		1025	67.22			
E-14		1009	56.88			
E-15		1056	48.70			
E-16		1100	45.77			
E-17		1105	92.87			
W-2	11-6-12	1422	50.40			inaccessible @ 1:20 pm
W-3		1429	104.97			@ 1:05 pm
W-4		1125	118.93			
W-5		1118	71.70			
W-7		1140	94.70			Well abandoned; damaged
WA-8		1226	17.88			
WA-9		1208	14.96			
WA-10		1232	17.56			
WA-11		1156	16.60			
WA-12		1194	18.89			
WA-13		1201	9.77			
WA-14		1213	9.59			
WA-15		1219	12.42			
WA-19		1133	52.21			
WA-20		1244	09.83			
Lima-3		1239	7.78			
G-1 (G-24)		1050	52.06			
CP-25		1440	20.05			
CP-30		1110	39.88			
CP-31		1458	51.25			
G-32		1328	25.99			
G-33		1342	23.03			
EW-1		1350	80.10			
EW-2		1252	45.06			
EW-3		1318	48.25			
EW-4		1356	92.30			
EW-5		1402	96.52			
P-1	11-6-12		28.30			not accessible @ 1:35 pm
P-2			17.75			@ 1:45 pm

Golder Associates

LOW-FLOW WATER SAMPLE FIELD DATA

LOCATION: John Smith SAMPLE ID: E-2
PROJECT NO: SAMPLED BY: msp
SAMPLE TYPE: Groundwater ✓ Leachate ____ Other ____
CASING DIAMETER (OD-inches): 3/4 ____ 1 ____ 2 ✓ 4 ____ 4.5 ____ 6 ____ 8 ____ Other ____
VOLUME PER LINEAR FOOT(ml) : (76) (151) (644) (2,500) (3,150) (5,680) (9,840)

Well Total Depth (ft): — Sceen Length (ft): /
Depth to Water (ft): 84.06 Total Volume Purged (ml): /

PURGE:
Device (Depth of Intake from TOC): Bladder Pump ✓ Electric Submersible Pump ____
Dedicated ✓ Peristaltic Pump ____ Tubing Types ____ Other ____
Purge Water Containment: none
Field QC Samples Collected: EB-___ FB-___ DUP-___ Time:____ Other ____

TIME (2400 Hr)	RATE (ml/min)	DTW (ft)	Temp. (°C)	pH (std. units)	EC (µS@ 25°C)	DO (mg/l)	Turbidity (NTU)	ORP (mV)	Color / Odor Comments
0839	250		18.5	7.46	4188	4.5	26	61.2	Clear
0842			18.6	7.30	4165	2.9	12	64	
0845			18.6	7.29	4169	2.5	9	67	
0848			18.6	7.21	4161	2.1	8	60	
0851			18.4	7.21	4129	2.0	5	51	
0854			18.4	7.23	4130	2.0	5	53	
0857			18.4	7.20	4126	2.0	6	52	
0901	Sample taken								

Field Measurement Devices: Horiba: ____ YSI: ✓ Oakton Turbidity: ✓ Other: ____

Meter Calibration Date:____ Time:____ Location:____ Ins. # ____
pH 4: (____/____@____°C) pH 7: (____/____@____°C) pH 10: (____/____@____°C)
D.O. (____/____@100%) EC (____/____µmhos/cm@25°C)
ORP (____/____/____@°C Turbidity (____/____ NTU)

REMARKS: ____

SIGNATURE: ____ **DATE:** 19/01/12

Golder Associates

LOW-FLOW WATER SAMPLE FIELD DATA

LOCATION: John Smith SAMPLE ID: E-15

PROJECT NO: 053 747313 SAMPLED BY: mbp

SAMPLE TYPE: Groundwater ✓ Leachate ____ Other ____

CASING DIAMETER (OD-inches): 3/4 ____ 1 ____ 2 ____ 4 ____ 4.5 ✓ 6 ____ 8 ____ Other ____

VOLUME PER LINEAR FOOT(ml): (76) (151) (644) (2,500) (3,150) (5,680) (9,840)

Well Total Depth (ft): — Sceen Length (ft): —

Depth to Water (ft): 45.70 Total Volume Purged (ml): —

PURGE:

Device (Depth of Intake from TOC): Bladder Pump ✓ Electric Submersible Pump ____

Dedicated ✓ Peristaltic Pump ____ Tubing Types ____ Other ____

Purge Water Containment: none

Field QC Samples Collected: EB-___ FB-___ DUP-___ Time: ____ Other ____

TIME (2400 Hr)	RATE (ml/min)	DTW (ft)	Temp. (°C)	pH (std. units)	EC (µS@ 25°C)	DO (mg/l)	Turbidity (NTU)	ORP (mV)	Color / Odor Comments
0933	300		19.5	6.98	4753	6.0	16	74	Clear
0936			19.6	7.15	4811	3.7	12	86	
0939			19.5	7.25	4806	3.8	9	77	
0942			19.7	7.22	4814	2.5	6	71	
0945			19.6	7.20	4798	2.3	5	64	
0948			19.6	7.25	4804	2.3	5	63	
0951			19.6	7.23	4801	2.3	4	62	
1001	Sample taken								

Field Measurement Devices: Horiba: ____ YSI: ✓ Oakton Turbidity: ✓ Other: ____

Meter Calibration Date: ____ Time: ____ Location: ____ Ins. # ____

pH 4: (____/____@____°C) pH 7: (____/____@____°C) pH 10: (____/____@____°C)

D.O. (____/____@100%) EC (____/____µmhos/cm@25°C)

ORP (____/____/____@°C Turbidity (____/____ NTU)

REMARKS: ____

SIGNATURE: ____ **DATE:** 11/01/12

G:\Admin\Forms\Field Forms\Groundwater\LowFlowWatersample2011.docx

Golder Associates

LOW-FLOW WATER SAMPLE FIELD DATA

LOCATION: John Smith SAMPLE ID: W-4

PROJECT NO: 053 747313 SAMPLED BY: MBP

SAMPLE TYPE: Groundwater ✓ Leachate ____ Other ____

CASING DIAMETER (OD-inches): 3/4____ 1____ 2____ 4____ 4.5____ 6____ 8____ Other____

VOLUME PER LINEAR FOOT(ml) : (76) (151) (644) (2,500) (3,150) (5,680) (9,840)

Well Total Depth (ft): — Sceen Length (ft): —

Depth to Water (ft): 118.93 Total Volume Purged (ml): —

PURGE:

Device (Depth of Intake from TOC): Bladder Pump ✓ Electric Submersible Pump____

Dedicated ✓ Peristaltic Pump ____ Tubing Types ____ Other____

Purge Water Containment: none

Field QC Samples Collected: EB-___ FB-___ DUP-___ Time:____Other ____

TIME (2400 Hr)	RATE (ml/min)	DTW (ft)	Temp. (°C)	pH (std. units)	EC (µS@ 25°C)	DO (mg/l)	Turbidity (NTU)	ORP (mV)	Color / Odor Comments
1142	300		20.5	7.36	3781	4.0	21	-40	Clear
1145			20.6	7.47	3936	4.0	18	-19	
1148			20.5	7.32	4128	2.8	15	-350	
1151			20.4	7.17	4135	2.3	10	-274	
1154			20.5	7.12	4156	2.3	7	-236	
1157			20.5	7.13	4154	2.2	8	-235	
1200			20.5	7.11	4159	2.2	7	-238	
1211	sample taken								

Field Measurement Devices: Horiba: ____ YSI: ✓ Oakton Turbidity: ✓ Other: ____

Meter Calibration Date:____ Time:____ Location:____ Ins. # ____

pH 4: (____/____@____°C) pH 7: (____/____@____°C) pH 10: (____/____@____°C)

D.O. (____/____@100%) EC (____/____µmhos/cm@25°C)

ORP (____/____/____@°C Turbidity (____/____ NTU)

REMARKS: ____

SIGNATURE: ____ **DATE:** 10/31/12

G:\Admin\Forms\Field Forms\Groundwater\LowFlowWatersample2011.docx

Golder Associates

LOW-FLOW WATER SAMPLE FIELD DATA

LOCATION: John Smith SAMPLE ID: W-5

PROJECT NO: 053 747313 SAMPLED BY: mop

SAMPLE TYPE: Groundwater ✓ Leachate ____ Other ____

CASING DIAMETER (OD-inches): 3/4 ____ 1 ____ 2 ____ 4 ____ 4.5 ✓ 6 ____ 8 ____ Other ____

VOLUME PER LINEAR FOOT(ml): (76) (151) (644) (2,500) (3,150) (5,680) (9,840)

Well Total Depth (ft): — Sceen Length (ft): /

Depth to Water (ft): 91.70 Total Volume Purged (ml): /

PURGE:

Device (Depth of Intake from TOC): Bladder Pump ✓ Electric Submersible Pump ____

Dedicated ✓ Peristaltic Pump ____ Tubing Types ____ Other ____

Purge Water Containment: none

Field QC Samples Collected: EB-___ FB-___ DUP-2 @ 1121 Time: ____ Other ____

TIME (2400 Hr)	RATE (ml/min)	DTW (ft)	Temp. (°C)	pH (std. units)	EC (µS@ 25°C)	DO (mg/l)	Turbidity (NTU)	ORP (mV)	Color / Odor Comments
1032	300		24.0	7.76	1829	4.4	19	-382	Clear
1035			22.4	7.65	1723	3.0	17	-340	
1038			21.9	7.56	1713	2.4	14	-292	
1041			21.9	7.50	1711	2.1	12	-279	
1044			22.1	7.71	1703	1.7	10	-141	
1047			22.1	7.70	1705	1.7	10	-144	
1050			22.1	7.68	1701	1.7	9	-143	
1101	Sample taken								

Field Measurement Devices: Horiba: ____ YSI: ____ Oakton Turbidity: ✓ Other: ____

Meter Calibration Date: ____ Time: ____ Location: ____ Ins. # ____

pH 4: (____/____@____°C) pH 7: (____/____@____°C) pH 10: (____/____@____°C)

D.O. (____/____@100%) EC (____/____µmhos/cm@25°C)

ORP (____/____/____@°C Turbidity (____/____ NTU)

REMARKS: ____

SIGNATURE: [signature] **DATE:** 10/31/12

G:\Admin\Forms\Field Forms\Groundwater\LowFlowWatersample2011.docx

Golder Associates

LOW-FLOW WATER SAMPLE FIELD DATA

LOCATION: John Smith SAMPLE ID: WA-8

PROJECT NO: 053747313 SAMPLED BY: MOP

SAMPLE TYPE: Groundwater ✓ Leachate ____ Other ____

CASING DIAMETER (OD-inches): 3/4 ____ 1 ____ 2 ✓ 4 ____ 4.5 ____ 6 ____ 8 ____ Other ____

VOLUME PER LINEAR FOOT(ml) : (76) (151) (644) (2,500) (3,150) (5,680) (9,840)

Well Total Depth (ft): — Sceen Length (ft): —

Depth to Water (ft): 17.88 Total Volume Purged (ml): —

PURGE:

Device (Depth of Intake from TOC): Bladder Pump ✓ Electric Submersible Pump ____

Dedicated ✓ Peristaltic Pump ____ Tubing Types ____ Other ____

Purge Water Containment: none

Field QC Samples Collected: EB-___ FB-___ DUP-___ Time:____ Other ____

TIME (2400 Hr)	RATE (ml/min)	DTW (ft)	Temp. (°C)	pH (std. units)	EC (µS@ 25°C)	DO (mg/l)	Turbidity (NTU)	ORP (mV)	Color / Odor Comments
1226	300		19.5	7.73	4560	2.7	19	-284	Clear
1229			19.4	7.46	4973	2.4	16	-236	
1232			19.4	7.42	4731	2.4	14	-198	
1235			19.4	7.41	4456	2.5	11	-171	
1238			19.5	7.48	4396	2.3	6	-148	
1241			19.5	7.49	4394	2.3	5	-150	
1244			19.5	7.50	4393	2.3	5	-151	
1301	Sample taken								

Field Measurement Devices: Horiba: ____ YSI: ✓ Oakton Turbidity: ✓ Other: ____

Meter Calibration Date:____ Time:____ Location:____ Ins. # ____

pH 4: (____/____@____°C) pH 7: (____/____@____°C) pH 10: (____/____@____°C)

D.O. (____/____@100%) EC (____/____µmhos/cm@25°C)

ORP (____/____/____@°C Turbidity (____/____ NTU)

REMARKS: ____

SIGNATURE: ____ **DATE:** 11/01/12

G:\Admin\Forms\Field Forms\Groundwater\LowFlowWatersample2011.docx

Golder Associates

LOW-FLOW WATER SAMPLE FIELD DATA

LOCATION: John Smith SAMPLE ID: WA - 9

PROJECT NO: 053747313 SAMPLED BY: MDP

SAMPLE TYPE: Groundwater ✓ Leachate ____ Other ____

CASING DIAMETER (OD-inches): 3/4 ____ 1 ____ 2 ✓ 4 ____ 4.5 ____ 6 ____ 8 ____ Other ____

VOLUME PER LINEAR FOOT(ml) : (76) (151) (644) (2,500) (3,150) (5,680) (9,840)

Well Total Depth (ft): — Sceen Length (ft): —

Depth to Water (ft): 14.96 Total Volume Purged (ml): —

PURGE:

Device (Depth of Intake from TOC): Bladder Pump ✓ Electric Submersible Pump ____

Dedicated ✓ Peristaltic Pump ____ Tubing Types ____ Other ____

Purge Water Containment: none

Field QC Samples Collected: EB-___ FB-___ DUP-___ Time:____ Other ____

TIME (2400 Hr)	RATE (ml/min)	DTW (ft)	Temp. (°C)	pH (std. units)	EC (µS@ 25°C)	DO (mg/l)	Turbidity (NTU)	ORP (mV)	Color / Odor Comments
1041	300		18.3	7.54	1982	5.8	32	-250	Clear
1044			18.3	7.60	1821	5.2	16	-244	
1047			18.3	7.40	1805	5.0	15	-229	
1050			18.5	7.46	1787	4.4	9	-224	
1053			18.4	7.39	1789	4.0	8	-220	
1056			18.5	7.46	1786	3.6	8	-199	
1059			18.5	7.44	1784	3.6	9	-198	
1102			18.5	7.45	1783	3.6	8	-197	
1111	Sample taken								

Field Measurement Devices: Horiba: ____ YSI: ✓ Oakton Turbidity: ✓ Other: ____

Meter Calibration Date:____ Time:____ Location:____ Ins. # ____

pH 4: (____/____@____°C) pH 7: (____/____@____°C) pH 10: (____/____@____°C)

D.O. (____/____@100%) EC (____/____µmhos/cm@25°C)

ORP (____/____/____@°C Turbidity (____/____ NTU)

REMARKS: ____

SIGNATURE: ____ **DATE:** 11/02/12

G:\Admin\Forms\Field Forms\Groundwater\LowFlowWatersample2011.docx

Golder Associates

LOW-FLOW WATER SAMPLE FIELD DATA

LOCATION: John Smith SAMPLE ID: WA-10

PROJECT NO: 053 797313 SAMPLED BY: MPP

SAMPLE TYPE: Groundwater ✓ Leachate ____ Other ____

CASING DIAMETER (OD-inches): 3/4 ____ 1 ____ 2 ✓ 4 ____ 4.5 ____ 6 ____ 8 ____ Other ____

VOLUME PER LINEAR FOOT(ml) : (76) (151) (644) (2,500) (3,150) (5,680) (9,840)

Well Total Depth (ft): — Sceen Length (ft): —

Depth to Water (ft): 17.56 Total Volume Purged (ml): —

PURGE:

Device (Depth of Intake from TOC): Bladder Pump ✓ Electric Submersible Pump ____

Dedicated ✓ Peristaltic Pump ____ Tubing Types ____ Other ____

Purge Water Containment: none

Field QC Samples Collected: EB-___ FB-___ DUP-___ Time:____ Other ____

TIME (2400 Hr)	RATE (ml/min)	DTW (ft)	Temp. (°C)	pH (std. units)	EC (µS@ 25°C)	DO (mg/l)	Turbidity (NTU)	ORP (mV)	Color / Odor Comments
1326	300		19.3	7.57	3420	2.6	26	-290	Clear
1329			19.3	7.37	3370	2.4	12	-222	
1332			19.4	7.39	3364	1.9	11	-188	
1335			19.5	7.40	3354	1.6	8	-164	
1338			19.5	7.45	3358	1.4	8	-153	
1341			19.5	7.43	3357	1.4	9	-152	
1344			19.5	7.44	3359	1.4	7	-151	
1351	Sample taken								

Field Measurement Devices: Horiba: ____ YSI: ✓ Oakton Turbidity: ✓ Other: ____

Meter Calibration Date:____ Time:____ Location:____ Ins. # ____

pH 4: (____/____@____°C) pH 7: (____/____@____°C) pH 10: (____/____@____°C)

D.O. (____/____@100%) EC (____/____µmhos/cm@25°C)

ORP (____/____/____@°C Turbidity (____/____ NTU)

REMARKS: ____

SIGNATURE: ____ **DATE:** 12/02/12

G:\Admin\Forms\Field Forms\Groundwater\LowFlowWatersample2011.docx

Golder Associates

LOW-FLOW WATER SAMPLE FIELD DATA

LOCATION: John Smith SAMPLE ID: WA-11

PROJECT NO: 053 747313 SAMPLED BY: mbp

SAMPLE TYPE: Groundwater ✓ Leachate ____ Other ____

CASING DIAMETER (OD-inches): 3/4 ____ 1 ____ 2 ✓ 4 ____ 4.5 ____ 6 ____ 8 ____ Other ____

VOLUME PER LINEAR FOOT(ml) : (76) (151) (644) (2,500) (3,150) (5,680) (9,840)

Well Total Depth (ft): — Sceen Length (ft): —

Depth to Water (ft): 16.60 Total Volume Purged (ml): —

PURGE:

Device (Depth of Intake from TOC): Bladder Pump ✓ Electric Submersible Pump ____

Dedicated ✓ Peristaltic Pump ____ Tubing Types ____ Other ____

Purge Water Containment: none

Field QC Samples Collected: EB-___ FB-___ DUP-___ Time:____ Other ____

TIME (2400 Hr)	RATE (ml/min)	DTW (ft)	Temp. (°C)	pH (std. units)	EC (µS@ 25°C)	DO (mg/l)	Turbidity (NTU)	ORP (mV)	Color / Odor Comments
1240	300		18.0	7.24	5747	5.0	18	47	Clear
1243			18.2	7.19	5729	3.7	14	51	
1246			18.3	7.10	5725	3.4	12	54	
1249			18.1	7.18	5737	3.0	10	52	
1252			18.2	7.23	5765	2.4	8	44	
1255			18.2	7.24	5767	2.4	7	43	
1258			18.2	7.26	5763	2.4	8	43	
1311	Sample taken								

Field Measurement Devices: Horiba: ____ YSI: ✓ Oakton Turbidity: ✓ Other: ____

Meter Calibration Date:____ Time:____ Location:____ Ins. # ____

pH 4: (____/____@____°C) pH 7: (____/____@____°C) pH 10: (____/____@____°C)

D.O. (____/____@100%) EC (____/____µmhos/cm@25°C)

ORP (____/____/____@°C Turbidity (____/____ NTU)

REMARKS: ____

SIGNATURE: ____ **DATE:** 11/02/12

Golder Associates

LOW-FLOW WATER SAMPLE FIELD DATA

LOCATION: John Smith SAMPLE ID: WA - ~~DW~~ 12

PROJECT NO: 053747313 SAMPLED BY: mrap

SAMPLE TYPE: Groundwater ✓ Leachate ____ Other ____

CASING DIAMETER (OD-inches): 3/4 ____ 1 ____ 2 ✓ 4 ____ 4.5 ____ 6 ____ 8 ____ Other ____

VOLUME PER LINEAR FOOT(ml) : (76) (151) (644) (2,500) (3,150) (5,680) (9,840)

Well Total Depth (ft): — Sceen Length (ft): —

Depth to Water (ft): 18.89 Total Volume Purged (ml): —

PURGE:

Device (Depth of Intake from TOC): Bladder Pump ✓ Electric Submersible Pump ____

Dedicated ✓ Peristaltic Pump ____ Tubing Types ____ Other ____

Purge Water Containment: none

Field QC Samples Collected: EB-___ FB-___ DUP-___ Time:____ Other ____

TIME (2400 Hr)	RATE (ml/min)	DTW (ft)	Temp. (°C)	pH (std. units)	EC (µS@ 25°C)	DO (mg/l)	Turbidity (NTU)	ORP (mV)	Color / Odor Comments
1340	300		19.3	7.96	3338	2.2	17	-340	Clear
1343			19.3	7.69	3399	2.0	15	-295	
1346			19.1	7.24	3390	2.1	8	-246	
1349			19.2	7.32	3331	2.2	7	-218	
1352			19.2	7.31	3320	1.8	6	-207	
1355									
1358			19.1	7.12	3296	1.7	5	-182	
1401									
1411	Sample	taken							

Field Measurement Devices: Horiba: ____ YSI: ✓ Oakton Turbidity: ✓ Other: ____

Meter Calibration Date:____ Time:____ Location:____ Ins. # ____

pH 4: (____/____@____°C) pH 7: (____/____@____°C) pH 10: (____/____@____°C)

D.O. (____/____@100%) EC (____/____µmhos/cm@25°C)

ORP (____/____/____@°C Turbidity (____/____ NTU)

REMARKS: ____

SIGNATURE: ____ **DATE:** 11/02/12

G:\Admin\Forms\Field Forms\Groundwater\LowFlowWatersample2011.docx

Golder Associates

LOW-FLOW WATER SAMPLE FIELD DATA

LOCATION: John Smith SAMPLE ID: WA-15

PROJECT NO: 0537477313 SAMPLED BY: mop

SAMPLE TYPE: Groundwater ✓ Leachate ____ Other ____

CASING DIAMETER (OD-inches): 3/4 ____ 1 ____ 2 ✓ 4 ____ 4.5 ____ 6 ____ 8 ____ Other ____

VOLUME PER LINEAR FOOT(ml) : (76) (151) (644) (2,500) (3,150) (5,680) (9,840)

Well Total Depth (ft): — Sceen Length (ft): —

Depth to Water (ft): 12.42 Total Volume Purged (ml): —

PURGE:

Device (Depth of Intake from TOC): Bladder Pump ✓ Electric Submersible Pump ____

Dedicated ✓ Peristaltic Pump ____ Tubing Types ____ Other ____

Purge Water Containment: none

Field QC Samples Collected: EB-___ FB-___ DUP-___ Time:____ Other ____

TIME (2400 Hr)	RATE (ml/min)	DTW (ft)	Temp. (°C)	pH (std. units)	EC (µS@ 25°C)	DO (mg/l)	Turbidity (NTU)	ORP (mV)	Color / Odor Comments
0936	250		17.8	7.19	6153	6.5	26	-212	Clear
0939			18.0	7.35	6320	3.4	20	-242	
0942			18.0	7.39	6370	2.8	13	-167	
0945			18.0	7.50	6334	1.9	6	-49	
0948			18.1	7.41	6305	1.8	.5	-17	
0951			18.1	7.43	6301	1.8	5	-19.0	
0954			18.1	7.40	6306	1.8	6	-18	
1011	Sample taken								

Field Measurement Devices: Horiba: ____ YSI: ✓ Oakton Turbidity: ✓ Other: ____

Meter Calibration Date:____ Time:____ Location:____ Ins. # ____

pH 4: (____/____@____°C) pH 7: (____/____@____°C) pH 10: (____/____@____°C)

D.O. (____/____@100%) EC (____/____µmhos/cm@25°C)

ORP (____/____/____@°C Turbidity (____/____ NTU)

REMARKS: ____

SIGNATURE: ____ **DATE:** 11/02/12

Golder Associates

LOW-FLOW WATER SAMPLE FIELD DATA

LOCATION: John Smith SAMPLE ID: WA-19

PROJECT NO: 053737413 SAMPLED BY: mop

SAMPLE TYPE: Groundwater ✓ Leachate ____ Other ____

CASING DIAMETER (OD-inches): 3/4 ____ 1 ____ 2 ____ 4 ✓ 4.5 ____ 6 ____ 8 ____ Other ____

VOLUME PER LINEAR FOOT(ml) : (76) (151) (644) (2,500) (3,150) (5,680) (9,840)

Well Total Depth (ft): — Sceen Length (ft): /

Depth to Water (ft): 52.21 Total Volume Purged (ml): /

PURGE:

Device (Depth of Intake from TOC): Bladder Pump ✓ Electric Submersible Pump ____

Dedicated ✓ Peristaltic Pump ____ Tubing Types ____ Other ____

Purge Water Containment: none

Field QC Samples Collected: EB-___ FB-___ DUP-___ Time:____ Other ____

TIME (2400 Hr)	RATE (ml/min)	DTW (ft)	Temp. (°C)	pH (std. units)	EC (µS@ 25°C)	DO (mg/l)	Turbidity (NTU)	ORP (mV)	Color / Odor Comments
1235	350		20.1	7.21	9929	5.2	22	-120	Clear
1238			20.2	7.16	10450	1.7	16	-110	
1241			19.9	7.15	10460	1.5	12	-90	
1244			19.9	7.12	10490	1.3	9	-76	
1247			19.8	7.10	10390	1.3	6	-60	
1250			19.8	7.11	10370	1.4	7	-62	
1253			19.8	7.12	10320	1.3	6	-61	
1301	Sample taken								

Field Measurement Devices: Horiba: ____ YSI: ✓ Oakton Turbidity: ✓ Other: ____

Meter Calibration Date:____ Time:____ Location:____ Ins. # ____

pH 4: (____/____@____°C) pH 7: (____/____@____°C) pH 10: (____/____@____°C)

D.O. (____/____@100%) EC (____/____µmhos/cm@25°C)

ORP (____/____/____@°C Turbidity (____/____ NTU)

REMARKS: ____

SIGNATURE: ____ **DATE:** 10/31/12

G:\Admin\Forms\Field Forms\Groundwater\LowFlowWatersample2011.docx

Golder Associates

LOW-FLOW WATER SAMPLE FIELD DATA

LOCATION: John Smith SAMPLE ID: WA-20

PROJECT NO: 053747313 SAMPLED BY: mbp

SAMPLE TYPE: Groundwater ✓ Leachate ____ Other ____

CASING DIAMETER (OD-inches): 3/4 ____ 1 ____ 2 ✓ 4 ____ 4.5 ____ 6 ____ 8 ____ Other ____

VOLUME PER LINEAR FOOT(ml) : (76) (151) (644) (2,500) (3,150) (5,680) (9,840)

Well Total Depth (ft): — Sceen Length (ft): —

Depth to Water (ft): 09.83 Total Volume Purged (ml): —

PURGE:

Device (Depth of Intake from TOC): Bladder Pump ✓ Electric Submersible Pump ____

Dedicated ✓ Peristaltic Pump ____ Tubing Types ____ Other ____

Purge Water Containment: none

Field QC Samples Collected: EB-___ FB-___ DUP-___ Time:____ Other ____

TIME (2400 Hr)	RATE (ml/min)	DTW (ft)	Temp. (°C)	pH (std. units)	EC (µS@ 25°C)	DO (mg/l)	Turbidity (NTU)	ORP (mV)	Color / Odor Comments
1139	300		19.5	7.52	4077	3.5	15	-50	Clear
1142			19.8	7.39	4120	2.9	10	-17	
1145			19.7	7.31	4132	1.8	7	6	
1148			19.8	7.37	4142	1.7	5	13	
1151			19.9	7.33	4148	1.5	5	17	
1154			19.9	7.35	4150	1.5	4	18	
1157			19.9	7.36	4151	1.5	5	19	
1211	Sample taken								

Field Measurement Devices: Horiba: ____ YSI: ✓ Oakton Turbidity: ✓ Other: ____

Meter Calibration Date:____ Time:____ Location:____ Ins. # ____

pH 4: (____/____@____°C) pH 7: (____/____@____°C) pH 10: (____/____@____°C)

D.O. (____/____@100%) EC (____/____µmhos/cm@25°C)

ORP (____/____/____@°C Turbidity (____/____ NTU)

REMARKS: ____

SIGNATURE: ____ **DATE:** 11/02/12

Golder Associates

LOW-FLOW WATER SAMPLE FIELD DATA

LOCATION: John Smith SAMPLE ID: CP-25

PROJECT NO: 053747313 SAMPLED BY: map

SAMPLE TYPE: Groundwater ✓ Leachate ____ Other ____

CASING DIAMETER (OD-inches): 3/4____ 1____ 2 ✓ 4____ 4.5____ 6____ 8____ Other____

VOLUME PER LINEAR FOOT(ml) : (76) (151) (644) (2,500) (3,150) (5,680) (9,840)

Well Total Depth (ft): — Sceen Length (ft): —

Depth to Water (ft): 20.05 Total Volume Purged (ml): —

PURGE:

Device (Depth of Intake from TOC): Bladder Pump ✓ Electric Submersible Pump____

Dedicated ✓ Peristaltic Pump ____ Tubing Types ____ Other____

Purge Water Containment: none

Field QC Samples Collected: EB-___ FB-___ DUP-___ Time:____Other ____

TIME (2400 Hr)	RATE (ml/min)	DTW (ft)	Temp. (°C)	pH (std. units)	EC (µS@ 25°C)	DO (mg/l)	Turbidity (NTU)	ORP (mV)	Color / Odor Comments
1136	300		19.2	7.37	9559	2.6	18	67	Clear
1139			19.1	7.52	9806	1.6	16	-36	
1142			19.2	7.55	9837	1.3	11	-110	
1145			19.3	7.61	9896	1.1	8	-159	
1148			19.2	7.47	9865	1.2	7	-110	
1151			19.2	7.46	9866	1.2	8	-109	
1154			19.2	7.44	9869	1.2	7	-107	
1201	Sample taken								

Field Measurement Devices: Horiba: ____ YSI: ✓ Oakton Turbidity: ✓ Other: ____

Meter Calibration Date:____ Time:____ Location:____ Ins. # ____

pH 4: (____/____@____°C) pH 7: (____/____@____°C) pH 10: (____/____@____°C)

D.O. (____/____@100%) EC (____/____µmhos/cm@25°C)

ORP (____/____/____@°C Turbidity (____/____ NTU)

REMARKS: ____

SIGNATURE: ____ **DATE:** 11/01/12

G:\Admin\Forms\Field Forms\Groundwater\LowFlowWatersample2011.docx

Golder Associates

LOW-FLOW WATER SAMPLE FIELD DATA

LOCATION: John Smith SAMPLE ID: CP-30

PROJECT NO: 0537747313 SAMPLED BY: map

SAMPLE TYPE: Groundwater ✓ Leachate ____ Other ____

CASING DIAMETER (OD-inches): 3/4____ 1____ 2____ 4____ 4.5____ 6____ 8____ Other____

VOLUME PER LINEAR FOOT(ml) : (76) (151) (644) (2,500) (3,150) (5,680) (9,840)

Well Total Depth (ft): — Sceen Length (ft): ✓

Depth to Water (ft): 39.88 Total Volume Purged (ml): ✓

PURGE:

Device (Depth of Intake from TOC): Bladder Pump ✓ Electric Submersible Pump____

Dedicated ✓ Peristaltic Pump ____ Tubing Types ____ Other____

Purge Water Containment: none

Field QC Samples Collected: EB-___ FB-___ DUP-1 Time: @ 1411 Other ____

TIME (2400 Hr)	RATE (ml/min)	DTW (ft)	Temp. (°C)	pH (std. units)	EC (µS@ 25°C)	DO (mg/l)	Turbidity (NTU)	ORP (mV)	Color / Odor Comments
1329	300		20.9	7.38	4179	2.5	19	-177	Clear
1332			21.3	7.43	4140	2.1	15	-217	
1335			21.2	7.36	4055	0.9	9	-220	
1338			21.1	7.29	4011	0.9	10	-240	
1341			20.9	7.16	3885	0.8	12	-228	
1344			20.9	7.19	3889	0.7	15	-229	
1347	✓	✓	20.9	7.17	3883	0.7	14	-226	✓
1351	Sample taken								

Field Measurement Devices: Horiba: ____ YSI: ✓ Oakton Turbidity: ✓ Other: ____

Meter Calibration Date:____ Time:____ Location:____ Ins. # ____

pH 4: (____/____@____°C) pH 7: (____/____@____°C) pH 10: (____/____@____°C)

D.O. (____/____@100%) EC (____/____µmhos/cm@25°C)

ORP (____/____/____@°C Turbidity (____/____ NTU)

REMARKS: ____

SIGNATURE: ____ **DATE:** 10/31/17

G:\Admin\Forms\Field Forms\Groundwater\LowFlowWatersample2011.docx

Golder Associates

LOW-FLOW WATER SAMPLE FIELD DATA

LOCATION: John Smith SAMPLE ID: CP-31

PROJECT NO: 0537473 13 SAMPLED BY: mbp

SAMPLE TYPE: Groundwater ✓ Leachate ____ Other ____

CASING DIAMETER (OD-inches): 3/4 ____ 1 ____ 2 ✓ 4 ____ 4.5 ____ 6 ____ 8 ____ Other ____

VOLUME PER LINEAR FOOT(ml) : (76) (151) (644) (2,500) (3,150) (5,680) (9,840)

Well Total Depth (ft): — Sceen Length (ft): —

Depth to Water (ft): 51.25 Total Volume Purged (ml): —

PURGE:

Device (Depth of Intake from TOC): Bladder Pump ✓ Electric Submersible Pump ____

Dedicated ✓ Peristaltic Pump ____ Tubing Types ____ Other ____

Purge Water Containment: none

Field QC Samples Collected: EB-___ FB-___ DUP-___ Time:____ Other ____

TIME (2400 Hr)	RATE (ml/min)	DTW (ft)	Temp. (°C)	pH (std. units)	EC (µS@ 25°C)	DO (mg/l)	Turbidity (NTU)	ORP (mV)	Color / Odor Comments
1039	300		18.9	7.17	2722	4.0	19	75	Clear
1042			19.0	7.34	2677	2.8	17	80	
1045			19.0	7.37	2705	2.2	13	72	
1048			19.1	7.41	2592	2.2	6	62	
1051			19.1	7.45	2524	1.8	5	57	
1054			19.1	7.47	2521	1.8	4	56	
1057			19.1	7.46	2522	1.8	5	54	
1000	Sample taken								

Field Measurement Devices: Horiba: ____ YSI: ✓ Oakton Turbidity: ✓ Other: ____

Meter Calibration Date:____ Time:____ Location:____ Ins. # ____

pH 4: (____/____@____°C) pH 7: (____/____@____°C) pH 10: (____/____@____°C)

D.O. (____/____@100%) EC (____/____µmhos/cm@25°C)

ORP (____/____/____@°C Turbidity (____/____ NTU)

REMARKS: ____

SIGNATURE: ____ **DATE:** 11/01/12

G:\Admin\Forms\Field Forms\Groundwater\LowFlowWatersample2011.docx

Golder Associates

WATER SAMPLE FIELD DATA

LOCATION: John Smith Road LF _____ SAMPLE ID: 9-32

PROJECT NO: 053747311 _____ SAMPLED BY: M. Pierce

CLIENT: San Benito County _____ REGULATORY AGENCY: CCRWQCB

SAMPLE TYPE: Groundwater ✓ Surface Water ____ Leachate ____ Treatment System ____ Other ____

CASING DIAMETER (OD-inches): 3/4 ____ 1 ____ 2 ✓ 4 ____ 4.5 ____ 6 ____ 8 ____ Other ____

GALLONS PER LINEAR FOOT : (0.02) (0.04) (0.17) (0.66) (0.83) (1.5) (2.6)

Well Total Depth (ft): 27.8 Volume in Casing (gal): 0.3

Depth to Water (ft): 25.99 Calculated Purge (volumes / gal.): ~~0.4~~ 0.9

Height of Water Column (ft): 1.81 Actual Pre-Sampling Purge (gal): 0.5

PURGE:

Device (Depth of Intake from TOC): S.S. Bailer ____ Teflon Bailer ____ PVC Bailer ____ Disp. Bailer ✓

PVC Hand Pump ____ Peristaltic Pump ____ Centrifugal Pump ____ Bladder Pump ____

Pneumatic Displacement Pump ____ Electric Submersible Pump ____ Dedicated ✓ Other ____

Purge Water Containment: none

Field QC Samples Collected at this Well (Equipment or Field Blank): EB-___ FB-___ Other ____

Time (2400 Hr)	Volume (gallons)	Temp. (°C)	Elec. Conductivity (µmhos/cm)	pH (std. units)	Color (visual)	Turbidity (visual)	D.O. ~~Other~~	ORP ~~Observation~~
1330	0.3	20.4	3247	7.10	tan	Med.	4.9	98.2
1334	well	dewatered @		0.5 gal				

Purge Date: 10/30/12

SAMPLE:

Device (Depth of Intake from TOC): S.S. Bailer ____ Teflon Bailer ____ PVC Bailer ____ Disp. Bailer ✓

PVC Hand Pump ____ Peristaltic Pump ____ Centrifugal Pump ____ Bladder Pump ____

Pneumatic Displacement Pump ____ Electric Submersible Pump ____ Dedicated ____ Other ____

Time (2400 Hr)	Temp. (°C)	Electrical Conductivity (µmhos/cm)	pH (std. units)	Dissolved Oxygen (mg/l)	Color (visual)	Turbidity (NTU)	ORP ~~Other~~
1441	20.6	3029	7.02	5.2	tan	479	91.2

Sheen: — Odor: — Sample Date: 10/30/12

Field Measurement Devices: Horiba ____ Omega ____ QuickCheck ____ D.O. Test Kit ____ YSI/Oakton ✓

REMARKS: Metal field filtered

SIGNATURE: _____ **DATE:** 10/30/12

Golder Associates

WATER SAMPLE FIELD DATA

LOCATION: John Smith Road LF _____ SAMPLE ID: 9-33

PROJECT NO: 053747311 _____ SAMPLED BY: M. Pierce _____

CLIENT: San Benito County _____ REGULATORY AGENCY: CCRWQCB _____

SAMPLE TYPE: Groundwater ✓ Surface Water ____ Leachate ____ Treatment System ____ Other ____

CASING DIAMETER (OD-inches): 3/4 ____ 1 ____ 2 ✓ 4 ____ 4.5 ____ 6 ____ 8 ____ Other ____

GALLONS PER LINEAR FOOT : (0.02) (0.04) (0.17) (0.66) (0.83) (1.5) (2.6)

Well Total Depth (ft): 24.3	Volume in Casing (gal): 0.2
Depth to Water (ft): 23.03	Calculated Purge (volumes / gal.): 0.6
Height of Water Column (ft): 1.27	Actual Pre-Sampling Purge (gal): 0.3

PURGE:

Device (Depth of Intake from TOC): S.S. Bailer ____ Teflon Bailer ____ PVC Bailer ____ Disp. Bailer ✓

PVC Hand Pump ____ Peristaltic Pump ____ Centrifugal Pump ____ Bladder Pump ____

Pneumatic Displacement Pump ____ Electric Submersible Pump ____ Dedicated ____ Other ____

Purge Water Containment: none

Field QC Samples Collected at this Well (Equipment or Field Blank): EB-___ FB-___ Other ____

Time (2400 Hr)	Volume (gallons)	Temp. (°C)	Elec. Conductivity (µmhos/cm)	pH (std. units)	Color (visual)	Turbidity (visual)	D.O. ~~Other~~	ORP ~~Observation~~
1345	0.2	21.9	3010	7.69	light tan	mod	5.0	92.4
1347	well dewatered @ 0.3 gal.							

Purge Date: 10/30/12

SAMPLE:

Device (Depth of Intake from TOC): S.S. Bailer ____ Teflon Bailer ____ PVC Bailer ____ Disp. Bailer ✓

PVC Hand Pump ____ Peristaltic Pump ____ Centrifugal Pump ____ Bladder Pump ____

Pneumatic Displacement Pump ____ Electric Submersible Pump ____ Dedicated ____ Other ____

Time (2400 Hr)	Temp. (°C)	Electrical Conductivity (µmhos/cm)	pH (std. units)	Dissolved Oxygen (mg/l)	Color (visual)	Turbidity (NTU)	ORP ~~Other~~
1451	21.6	2932	7.25	4.4	tan	621	110.7

Sheen: — Odor: — Sample Date: 10/30/12

Field Measurement Devices: Horiba ____ Omega ____ QuickCheck ____ D.O. Test Kit ____ YSI/Oakton ✓

REMARKS: Metal field filtered

SIGNATURE: _____ **DATE:** 10/30/12

Golder Associates

WATER SAMPLE FIELD DATA

LOCATION: John Smith Road LF _____ SAMPLE ID: EW-1

PROJECT NO: 053747311 _____ SAMPLED BY: M. Pierce _____

CLIENT: San Benito County _____ REGULATORY AGENCY: CCRWQCB _____

SAMPLE TYPE: Groundwater ✓ Surface Water ____ Leachate ____ Treatment System ✓ Other ____

CASING DIAMETER (OD-inches): 3/4 ____ 1 ____ 2 ____ 4 ____ 4.5 ____ 6 ✓ 8 ____ Other ____

GALLONS PER LINEAR FOOT : (0.02) (0.04) (0.17) (0.66) (0.83) (1.5) (2.6)

Well Total Depth (ft): _____ Volume in Casing (gal): _____

Depth to Water (ft): 80.10 Calculated Purge (volumes / gal.): _____

Height of Water Column (ft): _____ Actual Pre-Sampling Purge (gal): _____

PURGE:

Device (Depth of Intake from TOC): S.S. Bailer ____ Teflon Bailer ____ PVC Bailer ____ Disp. Bailer ____

PVC Hand Pump ____ Peristaltic Pump ____ Centrifugal Pump ____ Bladder Pump ____

Pneumatic Displacement Pump ____ Electric Submersible Pump ____ Dedicated ____ Other ____

Purge Water Containment: _____

Field QC Samples Collected at this Well (Equipment or Field Blank): EB-___ FB-___ Other _____

Time (2400 Hr)	Volume (gallons)	Temp. (°C)	Elec. Conductivity (µmhos/cm)	pH (std. units)	Color (visual)	Turbidity (visual)	Other	Observation
no purge / grab sample								

Purge Date: 10/30/12

SAMPLE:

Device (Depth of Intake from TOC): S.S. Bailer ____ Teflon Bailer ____ PVC Bailer ____ Disp. Bailer ✓

PVC Hand Pump ____ Peristaltic Pump ____ Centrifugal Pump ____ Bladder Pump ____

Pneumatic Displacement Pump ____ Electric Submersible Pump ____ Dedicated ____ Other ____

Time (2400 Hr)	Temp. (°C)	Electrical Conductivity (µmhos/cm)	pH (std. units)	Dissolved Oxygen (mg/l)	Color (visual)	Turbidity (NTU)	~~Other~~ ORP
1421	22.1	5219	7.02	5.8	clear	8	74.6

Sheen: — Odor: — Sample Date: 10/30/12

Field Measurement Devices: Horiba ____ Omega ____ QuickCheck ____ D.O. Test Kit ____ YSI/Oakton ✓

REMARKS: Metal field filtered

totalizer: 0723.23, hours: 0218.

SIGNATURE: _____ **DATE:** 10/30/12

Golder Associates

WATER SAMPLE FIELD DATA

LOCATION: John Smith Road LF
SAMPLE ID: EW-2
PROJECT NO: 053747311
SAMPLED BY: M. Pierce
CLIENT: San Benito County
REGULATORY AGENCY: CCRWQCB
SAMPLE TYPE: Groundwater ✓ Surface Water ____ Leachate ____ Treatment System ✓ Other ____
CASING DIAMETER (OD-inches): 3/4 ____ 1 ____ 2 ____ 4 ____ 4.5 ____ 6 ✓ 8 ____ Other ____
GALLONS PER LINEAR FOOT : (0.02) (0.04) (0.17) (0.66) (0.83) (1.5) (2.6)

Well Total Depth (ft): —	Volume in Casing (gal):
Depth to Water (ft): 45.06	Calculated Purge (volumes / gal.):
Height of Water Column (ft): —	Actual Pre-Sampling Purge (gal):

PURGE:
Device (Depth of Intake from TOC): S.S. Bailer ____ Teflon Bailer ____ PVC Bailer ____ Disp. Bailer ____
PVC Hand Pump ____ Peristaltic Pump ____ Centrifugal Pump ____ Bladder Pump ____
Pneumatic Displacement Pump ____ Electric Submersible Pump ____ Dedicated ____ Other ____
Purge Water Containment: none
Field QC Samples Collected at this Well (Equipment or Field Blank): EB-___ FB-___ Other ____

Time (2400 Hr)	Volume (gallons)	Temp. (°C)	Elec. Conductivity (µmhos/cm)	pH (std. units)	Color (visual)	Turbidity (visual)	Other	Observation
no purge / grab sample								

Purge Date: ____

SAMPLE:
Device (Depth of Intake from TOC): S.S. Bailer ____ Teflon Bailer ____ PVC Bailer ____ ~~Disp. Bailer~~ ✓
PVC Hand Pump ____ Peristaltic Pump ____ Centrifugal Pump ____ Bladder Pump ____
Pneumatic Displacement Pump ____ Electric Submersible Pump ____ Dedicated ____ Other ____

Time (2400 Hr)	Temp. (°C)	Electrical Conductivity (µmhos/cm)	pH (std. units)	Dissolved Oxygen (mg/l)	Color (visual)	Turbidity (NTU)	~~Other~~ ORP
1301	20.3	3732	7.28	9.9	Clear	9	155.2

Sheen: — Odor: — Sample Date: 10/30/12

Field Measurement Devices: Horiba ____ Omega ____ QuickCheck ____ D.O. Test Kit ____ YSI/Oakton ✓
REMARKS: Metal field filtered
totalizer: 9883.98, hours: 1866.9

SIGNATURE: ____ **DATE:** 10/30/12

Golder Associates

WATER SAMPLE FIELD DATA

LOCATION: John Smith Road LF _____ SAMPLE ID: EW-3

PROJECT NO: 053747311 _____ SAMPLED BY: M. Pierce _____

CLIENT: San Benito County _____ REGULATORY AGENCY: CCRWQCB _____

SAMPLE TYPE: Groundwater ✓ Surface Water ____ Leachate ____ Treatment System ✓ Other ____

CASING DIAMETER (OD-inches): 3/4 ____ 1 ____ 2 ____ 4 ____ 4.5 ____ 6 ✓ 8 ____ Other ____

GALLONS PER LINEAR FOOT : (0.02) (0.04) (0.17) (0.66) (0.83) (1.5) (2.6)

Well Total Depth (ft): —	Volume in Casing (gal): /
Depth to Water (ft): 48.25	Calculated Purge (volumes / gal.): /
Height of Water Column (ft): —	Actual Pre-Sampling Purge (gal): /

PURGE:

Device (Depth of Intake from TOC): S.S. Bailer ____ Teflon Bailer ____ PVC Bailer ____ Disp. Bailer ____
PVC Hand Pump ____ Peristaltic Pump ____ Centrifugal Pump ____ Bladder Pump ____
Pneumatic Displacement Pump ____ Electric Submersible Pump ____ Dedicated ____ Other ____

Purge Water Containment: none

Field QC Samples Collected at this Well (Equipment or Field Blank): EB-___ FB-___ Other ____

Time (2400 Hr)	Volume (gallons)	Temp. (°C)	Elec. Conductivity (µmhos/cm)	pH (std. units)	Color (visual)	Turbidity (visual)	~~Other~~	Observation
no purge / grab sample								

Purge Date: —

SAMPLE:

Device (Depth of Intake from TOC): S.S. Bailer ____ Teflon Bailer ____ PVC Bailer ____ Disp. Bailer ____
PVC Hand Pump ____ Peristaltic Pump ____ Centrifugal Pump ____ Bladder Pump ____
Pneumatic Displacement Pump ____ Electric Submersible Pump ____ Dedicated ____ Other ____

Time (2400 Hr)	Temp. (°C)	Electrical Conductivity (µmhos/cm)	pH (std. units)	Dissolved Oxygen (mg/l)	Color (visual)	Turbidity (NTU)	~~Other~~ ORP
1321	20.5	2572	7.32	11.0	clear	14	90.1

Sheen: — Odor: — Sample Date: 10/30/12

Field Measurement Devices: Horiba ____ Omega ____ QuickCheck ____ D.O. Test Kit ____ YSI/Oakton ✓

REMARKS: ~~Metal field filtered~~
totalizer: 6323.1, hour: 14498.

SIGNATURE: _____ **DATE:** 10/30/12

Golder Associates

WATER SAMPLE FIELD DATA

LOCATION: John Smith Road LF
SAMPLE ID: EW-4
PROJECT NO: 053747311
SAMPLED BY: M. Pierce
CLIENT: San Benito County
REGULATORY AGENCY: CCRWQCB
SAMPLE TYPE: Groundwater ____ Surface Water ____ Leachate ____ Treatment System ✓ Other ____
CASING DIAMETER (OD-inches): 3/4 ____ 1 ____ 2 ____ 4 ____ 4.5 ____ 6 ✓ 8 ____ Other ____
GALLONS PER LINEAR FOOT : (0.02) (0.04) (0.17) (0.66) (0.83) (1.5) (2.6)

Well Total Depth (ft): —	Volume in Casing (gal): /
Depth to Water (ft): 92.30	Calculated Purge (volumes / gal.): /
Height of Water Column (ft): —	Actual Pre-Sampling Purge (gal): /

PURGE:
Device (Depth of Intake from TOC): S.S. Bailer ____ Teflon Bailer ____ PVC Bailer ____ Disp. Bailer ____
PVC Hand Pump ____ Peristaltic Pump ____ Centrifugal Pump ____ Bladder Pump ____
Pneumatic Displacement Pump ____ Electric Submersible Pump ____ Dedicated ____ Other ____
Purge Water Containment: none
Field QC Samples Collected at this Well (Equipment or Field Blank): EB-___ FB-___ Other ____

Time (2400 Hr)	Volume (gallons)	Temp. (°C)	Elec. Conductivity (µmhos/cm)	pH (std. units)	Color (visual)	Turbidity (visual)	Other	Observation
no purge / grab sample								

Purge Date: —

SAMPLE:
Device (Depth of Intake from TOC): S.S. Bailer ____ Teflon Bailer ____ PVC Bailer ____ Disp. Bailer ✓
PVC Hand Pump ____ Peristaltic Pump ____ Centrifugal Pump ____ Bladder Pump ____
Pneumatic Displacement Pump ____ Electric Submersible Pump ____ Dedicated ____ Other ____

Time (2400 Hr)	Temp. (°C)	Electrical Conductivity (µmhos/cm)	pH (std. units)	Dissolved Oxygen (mg/l)	Color (visual)	Turbidity (NTU)	~~Other~~ ORP
1431	20.2	5585	6.89	10.6	clear	15	37.1

Sheen: — Odor: — Sample Date: 10/30/12

Field Measurement Devices: Horiba ____ Omega ____ QuickCheck ____ D.O. Test Kit ____ YSI/Oakton ✓

REMARKS: ~~Metal field filtered~~
Totalizer: 1673.15, Hours: 18065

SIGNATURE: ____ **DATE:** 10/30/12

Golder Associates

WATER SAMPLE FIELD DATA

LOCATION: John Smith Road LF
SAMPLE ID: EW - 5
PROJECT NO: 053747311
SAMPLED BY: M. Pierce
CLIENT: San Benito County
REGULATORY AGENCY: CCRWQCB
SAMPLE TYPE: Groundwater ✓ Surface Water ____ Leachate ____ Treatment System ✓ Other ____
CASING DIAMETER (OD-inches): 3/4 ____ 1 ____ 2 ____ 4 ____ 4.5 ____ 6 ✓ 8 ____ Other ____
GALLONS PER LINEAR FOOT : (0.02) (0.04) (0.17) (0.66) (0.83) (1.5) (2.6)

Well Total Depth (ft): —
Depth to Water (ft): 96.52
Height of Water Column (ft): —
Volume in Casing (gal): /
Calculated Purge (volumes / gal.): /
Actual Pre-Sampling Purge (gal): ____

PURGE:
Device (Depth of Intake from TOC): S.S. Bailer ____ Teflon Bailer ____ PVC Bailer ____ Disp. Bailer ____
PVC Hand Pump ____ Peristaltic Pump ____ Centrifugal Pump ____ Bladder Pump ____
Pneumatic Displacement Pump ____ Electric Submersible Pump ____ Dedicated ____ Other ____
Purge Water Containment: none
Field QC Samples Collected at this Well (Equipment or Field Blank): EB-___ FB-___ Other ____

Time (2400 Hr)	Volume (gallons)	Temp. (°C)	Elec. Conductivity (µmhos/cm)	pH (std. units)	Color (visual)	Turbidity (visual)	Other	Observation
no	purge	/	grab	sample	/	/	/	/

Purge Date: —

SAMPLE:
Device (Depth of Intake from TOC): S.S. Bailer ____ Teflon Bailer ____ PVC Bailer ____ Disp. Bailer ____
PVC Hand Pump ____ Peristaltic Pump ____ Centrifugal Pump ____ Bladder Pump ____
Pneumatic Displacement Pump ____ Electric Submersible Pump ____ Dedicated ____ Other ____

Time (2400 Hr)	Temp. (°C)	Electrical Conductivity (µmhos/cm)	pH (std. units)	Dissolved Oxygen (mg/l)	Color (visual)	Turbidity (NTU)	~~Other~~ ORP
1411	19.9	8379	7.07	9.7	clear	12	123.5

Sheen: — Odor: — Sample Date: 10/30/12

Field Measurement Devices: Horiba ____ Omega ____ QuickCheck ____ D.O. Test Kit ____ YSI/Oakton ✓

REMARKS: ~~Metal field filtered~~
totalizer: 0245.09 gal, hours: 0884.5

SIGNATURE: ____ **DATE:** 10/30/12

Golder Associates

LOW-FLOW WATER SAMPLE FIELD DATA

LOCATION: John Smith SAMPLE ID: LFG Condensate

PROJECT NO: 053744313 SAMPLED BY: _____

SAMPLE TYPE: Groundwater ~~Leachate~~ _____ Other Condensate

CASING DIAMETER (OD-inches): 3/4 ____ 1 ____ 2 ____ 4 ____ 4.5 ____ 6 ____ 8 ____ Other ____

VOLUME PER LINEAR FOOT(ml) : (76) (151) (644) (2,500) (3,150) (5,680) (9,840)

Well Total Depth (ft): _____ Sceen Length (ft): _____

Depth to Water (ft): _____ Total Volume Purged (ml): _____

PURGE:

Device (Depth of Intake from TOC): ~~Bladder Pump~~ _____ Electric Submersible Pump _____

Dedicated _____ Peristaltic Pump _____ Tubing Types _____ Other _____

Purge Water Containment: _____

Field QC Samples Collected: EB-___ FB-___ DUP-___ Time: _____ Other _____

TIME (2400 Hr)	RATE (ml/min)	DTW (ft)	Temp. (°C)	pH (std. units)	EC (µS@ 25°C)	DO (mg/l)	Turbidity (NTU)	ORP (mV)	Color / Odor Comments
	No	purge							
	grab	sample							
			18.4	6.35	744	6.2	16	-114	
1441	Sample	taken							

Field Measurement Devices: Horiba: _____ YSI: ✓ Oakton Turbidity: ✓ Other: _____

Meter Calibration Date: _____ Time: _____ Location: _____ Ins. # _____

pH 4: (_____/_____@_____°C) pH 7: (_____/_____@_____°C) pH 10: (_____/_____@_____°C)

D.O. (_____/_____@100%) EC (_____/_____µmhos/cm@25°C)

ORP (_____/_____/_____@°C Turbidity (_____/_____ NTU)

REMARKS: _____

SIGNATURE: _____ **DATE:** 11/02/12

Soil-Gas Field Monitoring Results

JOHN SMITH ROAD LANDFILL GAS MONITORING DATA SHEET

Golder Associates

Project: County of San Benito, John Smith Road Landfill

Project No.: 053-7473-13

Date: September 7, 2012

Technician: Tom Vercoutere

Sampling Equipment: GEM 2000, SKC 224-44XR air pump, MiniRAE 2000 PID

Weather: Clear, warm, slight breeze. Temperature in low 80s. No rain in previous week.

Barometric Pressure: 29.88 inches of mercury at 2:30 PM in Hollister (36.820°, -121.376°)

Sampling Point	Casing Volume	Time	Pressure	Methane Concentration		CO_2	Oxygen	VOCs	Comments
	(Liters)		(inch-H_2O)	(% CH_4)	(% LEL)	(%)	(%)	(ppm)	
Scale House	NA	1:01	MN	0.0	0	0.0	20.4	0.0	20.4% O2 is ambient on meter
GP-2	1.6	3:20	0.00	0.0	0	0.4	19.5	0.0	
GP-2AR	3.6	3:27	0.00	0.0	0	0.6	19.4	0.0	
GP-2AY	10.5	3:31	0.00	0.0	0	10.0	14.8	0.0	
GP-2AG	15.6	3:35	0.00	0.0	0	11.0	4.7	0.0	
GP-3A	2.9	4:20	0.00	0.0	0	1.4	16.7	0.0	
GP-6R	2.3	3:55	0.00	0.0	0	0.5	16.8	0.0	
GP-6Y	10.6	3:58	0.00	0.0	0	1.8	13.7	0.0	
GP-6G	20.1	4:04	0.00	0.0	0	11.6	6.9	0.0	
GP-7R	2.3	3:42	0.00	0.0	0	1.9	18.1	0.0	
GP-7Y	11.5	3:46	0.00	0.0	0	8.4	11.7	0.0	
GP-7G	19.2	3:50	0.00	0.0	0	17.1	2.3	0.0	
GP-9R	2.2	2:43	0.00	0.0	0	3.0	17.2	0.0	
GP-9Y	5.0	2:48	0.00	0.0	0	7.9	9.9	0.0	
GP-9G	7.8	2:53	0.00	2.2	44	7.4	4.7	0.3	
GP-10R	2.2	2:15	0.00	0.0	0	2.7	18.4	0.0	
GP-10Y	5.0	2:19	0.00	0.0	0	20.6	2.7	0.0	
GP-10G	7.8	2:22	0.00	0.0	0	0.1	19.9	0.0	
GP-11T	2.6	1:52	0.00	0.5	10	8.3	2.0	0.0	
GP-12R	1.9	1:40	0.00	0.0	0	2.1	3.6	0.0	
GP-12Y	7.0	1:43	0.00	0.0	0	2.4	17.0	0.0	
GP-12G	10.3	1:46	0.00	0.0	0	2.4	0.7	0.0	
GP-13R	1.9	3:07	0.00	0.0	0	1.1	19.3	0.0	
GP-13Y	4.5	3:10	0.00	0.0	0	5.4	13.6	0.0	
GP-13G	6.6	3:13	0.00	0.0	0	16.4	8.8	0.0	
Flare		4:10	NM	44.1	0	36.2	0.3	NM	

Notes.

All values are instrument readings.

Purge performed with SKC air pump at 4 liters per minute.

NM = not measured

JOHN SMITH ROAD LANDFILL GAS MONITORING DATA SHEET
Golder Associates

Project: County of San Benito, John Smith Road Landfill
Project No.: 053-7473-13
Date: December 20, 2012
Technician: Tom Vercoutere
Sampling Equipment: GEM 2000, SKC 224-44XR air pump, Summa canisters
Weather: Clear, cool, slight breeze. Temperature in low 50s. Approximately 6 inches of rain in previous week.
Barometric Pressure: 30.00 inches of mercury at 1:10 PM in Hollister (36.820°, -121.376°) and dropping.

Sampling Point	Casing Volume	Time	Pressure	Methane Concentration		CO_2	Oxygen	VOCs	Comments
	(Liters)		(inch-H_2O)	(% CH_4)	(% LEL)	(%)	(%)	(ppm)	
Scale House	NA	11:45	0:00	0.0	0	0.0	20.4	NM	
GP-2	1.6	2:55	0.00	0.0	0	0.2	20.6	NM	
GP-2AR	3.6	3:07	0.00	0.0	0	0.4	20.2	NM	
GP-2AY	10.5	3:10	0.00	0.0	0	10.7	16.0	NM	
GP-2AG	15.6	3:15	0.00	0.0	0	8.7	10.0	NM	Summa canister #819
GP-3A	2.9	4:45	0.00	0.0	0	2.0	19.6	NM	Summa canister #810
GP-6R	2.3	3:46	0.00	0.0	0	0.8	19.8	NM	
GP-6Y	10.6	3:50	0.00	0.0	0	2.4	16.4	NM	
GP-6G	20.1	3:55	0.00	0.0	0	11.0	8.5	NM	Summa canister #5517
GP-7R	2.3	3:28	0.00	0.0	0	2.4	19.6	NM	
GP-7Y	11.5	3:34	0.00	0.0	0	8.0	16.1	NM	
GP-7G	19.2	3:38	0.00	0.0	0	17.4	6.1	NM	Summa canister #5521
GP-9R	2.2	2:08	0.00	0.0	0	2.1	18.3	NM	
GP-9Y	5.0	2:12	0.00	0.0	0	9.4	11.6	NM	
GP-9G	7.8	2:15	0.00	2.6	0	11.0	0.0	NM	Summa canister #805
GP-10R	2.2	12:45	NM	NM	NM	NM	NM	NM	Watered in, no measurements taken
GP-10Y	5.0	12:50	0.00	0.0	0	0.3	20.0	NM	
GP-10G	7.8	12:55	0.00	0.0	0	22.5	0.0	NM	Summa canister #392
GP-11T	2.6	1:15	0.00	0.0	0	8.0	2.8	NM	Summa canister #0748
GP-12R	1.9	12:00	0.00	0.0	0	3.5	0.0	NM	
GP-12Y	7.0	12:05	0.00	0.0	0	1.6	18.3	NM	
GP-12G	10.3	12:10	0.00	0.0	0	3.2	1.2	NM	Summa canister #0762
GP-13R	1.9	2:37	0.00	0.0	0	0.6	20.4	NM	
GP-13Y	4.5	2:40	0.00	0.0	0	6.1	15.9	NM	
GP-13G	6.6	2:44	0.00	0.0	0	16.7	9.6	NM	Summa canister #5529
Flare		4:30	NM	48.1	>100	37.3	0.9	NM	Summa canister #400

Notes.
All values are instrument readings.
Purge performed with SKC air pump at 4 liters
NM = not measured

0
0
0
0

NM
NM
NM
NM

APPENDIX D

Analytical Reports

Date of Report: 09/20/2012

Tom Vercoutere

Golder Associates
425 Lakeside Drive
Sunnyvale, CA 94085

Project: John Smith Road LF
BC Work Order: 1217122
Invoice ID: B130231

Enclosed are the results of analyses for samples received by the laboratory on 9/11/2012. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Linda Phoudamneun

Contact Person: Linda Phoudamneun
Client Service Rep

Authorized Signature

Table of Contents

Sample Information
Executive Summary - Detections..... 3
Chain of Custody and Cooler Receipt form..... 5
Laboratory / Client Sample Cross Reference..... 7
Sample Results
1217122-01 - EW-1
Volatile Organic Analysis (EPA Method 8260)..... 9
1217122-02 - EW-2
Volatile Organic Analysis (EPA Method 8260)..... 12
1217122-03 - EW-3
Volatile Organic Analysis (EPA Method 8260)..... 15
1217122-04 - EW-4
Volatile Organic Analysis (EPA Method 8260)..... 18
1217122-05 - EW-5
Volatile Organic Analysis (EPA Method 8260)..... 21
Quality Control Reports
Volatile Organic Analysis (EPA Method 8260)
Method Blank Analysis..... 24
Laboratory Control Sample..... 27
Precision and Accuracy..... 28
Notes
Notes and Definitions..... 29

Executive Summary - Detections

Constituent	Result	PQL	MDL	Units	Method	Lab Quals
1217122-01 John Smith Rd LF, EW-1, EW-1, 9/7/2012 1:15:00PM						
Chlorobenzene	0.10	0.50	0.093	ug/L	EPA-8260B	J
1,1-Dichloroethane	0.21	0.50	0.11	ug/L	EPA-8260B	J
cis-1,2-Dichloroethene	5.4	0.50	0.085	ug/L	EPA-8260B	
trans-1,2-Dichloroethene	0.27	0.50	0.15	ug/L	EPA-8260B	J
1,2-Dichloropropane	0.55	0.50	0.13	ug/L	EPA-8260B	
Methyl t-butyl ether	0.80	0.50	0.11	ug/L	EPA-8260B	
Tetrachloroethene	0.92	0.50	0.13	ug/L	EPA-8260B	
Trichloroethene	3.9	0.50	0.085	ug/L	EPA-8260B	
Vinyl chloride	0.26	0.50	0.12	ug/L	EPA-8260B	J
1217122-02 John Smith Rd LF, EW-2, EW-2, 9/7/2012 4:40:00PM						
Dichlorodifluoromethane	0.24	0.50	0.099	ug/L	EPA-8260B	J
cis-1,2-Dichloroethene	1.7	0.50	0.085	ug/L	EPA-8260B	
1,2-Dichloropropane	0.39	0.50	0.13	ug/L	EPA-8260B	J
Tetrachloroethene	1.8	0.50	0.13	ug/L	EPA-8260B	
Trichloroethene	2.8	0.50	0.085	ug/L	EPA-8260B	
1217122-03 John Smith Rd LF, EW-3, EW-3, 9/7/2012 4:30:00PM						
cis-1,2-Dichloroethene	0.96	0.50	0.085	ug/L	EPA-8260B	
1,2-Dichloropropane	0.20	0.50	0.13	ug/L	EPA-8260B	J
Tetrachloroethene	0.56	0.50	0.13	ug/L	EPA-8260B	
Trichloroethene	0.84	0.50	0.085	ug/L	EPA-8260B	
1217122-04 John Smith Rd LF, EW-4, EW-4, 9/7/2012 1:20:00PM						
Benzene	0.33	0.50	0.083	ug/L	EPA-8260B	J
Chlorobenzene	2.6	0.50	0.093	ug/L	EPA-8260B	
1,4-Dichlorobenzene	0.62	0.50	0.062	ug/L	EPA-8260B	
1,1-Dichloroethane	0.43	0.50	0.11	ug/L	EPA-8260B	J
1,2-Dichloroethane	0.39	0.50	0.17	ug/L	EPA-8260B	J
1,1-Dichloroethene	0.65	0.50	0.18	ug/L	EPA-8260B	
cis-1,2-Dichloroethene	19	0.50	0.085	ug/L	EPA-8260B	
trans-1,2-Dichloroethene	0.85	0.50	0.15	ug/L	EPA-8260B	
1,2-Dichloropropane	2.9	0.50	0.13	ug/L	EPA-8260B	
Methyl t-butyl ether	0.61	0.50	0.11	ug/L	EPA-8260B	
Tetrachloroethene	1.4	0.50	0.13	ug/L	EPA-8260B	
Trichloroethene	17	0.50	0.085	ug/L	EPA-8260B	
Vinyl chloride	3.6	0.50	0.12	ug/L	EPA-8260B	
t-Butyl alcohol	22	10	9.4	ug/L	EPA-8260B	
1217122-05 John Smith Rd LF, EW-5, EW-5, 9/7/2012 1:25:00PM						
cis-1,2-Dichloroethene	1.1	0.50	0.085	ug/L	EPA-8260B	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Executive Summary - Detections

Constituent	Result	PQL	MDL	Units	Method	Lab Quals
1217122-05 John Smith Rd LF, EW-5, EW-5, 9/7/2012 1:25:00PM						
Methyl t-butyl ether	0.31	0.50	0.11	ug/L	EPA-8260B	J
Tetrachloroethene	0.19	0.50	0.13	ug/L	EPA-8260B	J
Trichloroethene	0.72	0.50	0.085	ug/L	EPA-8260B	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Golder Associates 12-17122

Golder Associates
CHAIN OF CUSTODY

Page 1 of 1
Quotation No.

PROJECT NO.: 053-7473-13
SITE NAME: John Smith
SAMPLER(S): Tom Vercontene (printed) (signature)
CONTRACT LABORATORY:
TURN-AROUND TIME:

ANALYSES: VOC 8260

EDD required? [X] Yes [ ] No
EDF required? [X] Yes [ ] No

Sample I.D.	Lab I.D.	Collection Date	Collection Time	Matrix	Depth	Container Info: Type/Vol. / Filter / Preserv.	Cont. Qty.	Remarks
EW-1	1	9-7-12	1:15	Water		40ml / no / HCl		One bottle has bubble — use other for analysis
EW-2	2		4:40					
EW-3	3		4:30					Bill San Benito County
EW-4	4		1:20					
EW-5	5		1:25					

CHK BY
DISTRIBUTION
SUB-OUT

Relinquished by: (signature)	Received by: (signature)	Date/Time:
	BWS BCL	9/10/12 1525
BCL via GSO 9/11/12 1620		9/11/12 1025

SEND RESULTS TO:
Attn: Tom Vercontene
Golder Associates Inc.
425 Lakeside Drive
Sunnyvale, CA 94085
Phone (408) 220-9223
Fax (408) 220-9224

white: lab copy yellow: project file

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

4100 Atlas Court Bakersfield, CA 93308 (661) 327-4911 FAX (661) 327-1918 www.bclabs.com

Chain of Custody and Cooler Receipt Form for 1217122 Page 2 of 2

BC LABORATORIES INC. COOLER RECEIPT FORM Rev. No. 13 08/17/12 Page 1 Of 1

Submission #: 12-17122

SHIPPING INFORMATION
Federal Express ☐ UPS ☐ Hand Delivery ☐
BC Lab Field Service ☐ Other ☒ (Specify) GSO

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

Emissivity: 0.95 Container: TEMP BLANK VOA Thermometer ID: 207 Date/Time 9/11/12

Temperature: (A) 2.0 °C / (C) 2.1 °C Analyst Initials MAM 1025

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										
4oz. NITRATE / NITRITE										
PT TOTAL ORGANIC CARBON										
PT TOX										
PT CHEMICAL OXYGEN DEMAND										
PA PHENOLICS										
40ml VOA VIAL TRAVEL BLANK										
40ml VOA VIAL	A 2	A 3	A 3	A 2	A 3	( )	( )	( )	( )	( )
PT 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 AMBER										
OZ. JAR										
2 OZ. JAR										
OIL SLEEVE										
CB VIAL										
LASTIC BAG										
ERROUS IRON										
NCORE										
MART KIT										

Comments:
Sample Numbering Completed By: Date/Time: 9/11/12 1347
( ) = Actual / C = Corrected

Golder Associates
425 Lakeside Drive
Sunnyvale, CA 94085

Reported: 09/20/2012 16:24
Project: John Smith Road LF
Project Number: 053-7473-13
Project Manager: Tom Vercoutere

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information			
1217122-01	**COC Number:**	---	**Receive Date:**	09/11/2012 10:25
	Project Number:	John Smith Rd LF	**Sampling Date:**	09/07/2012 13:15
	Sampling Location:	EW-1	**Sample Depth:**	---
	Sampling Point:	EW-1	**Lab Matrix:**	Water
	Sampled By:	GAMV	**Sample Type:**	Water
			Delivery Work Order:	
			Global ID: L10008478954	
			Location ID (FieldPoint): EW-1	
			Matrix: W	
			Sample QC Type (SACode): CS	
			Cooler ID:	
1217122-02	**COC Number:**	---	**Receive Date:**	09/11/2012 10:25
	Project Number:	John Smith Rd LF	**Sampling Date:**	09/07/2012 16:40
	Sampling Location:	EW-2	**Sample Depth:**	---
	Sampling Point:	EW-2	**Lab Matrix:**	Water
	Sampled By:	GAMV	**Sample Type:**	Water
			Delivery Work Order:	
			Global ID: L10008478954	
			Location ID (FieldPoint): EW-2	
			Matrix: W	
			Sample QC Type (SACode): CS	
			Cooler ID:	
1217122-03	**COC Number:**	---	**Receive Date:**	09/11/2012 10:25
	Project Number:	John Smith Rd LF	**Sampling Date:**	09/07/2012 16:30
	Sampling Location:	EW-3	**Sample Depth:**	---
	Sampling Point:	EW-3	**Lab Matrix:**	Water
	Sampled By:	GAMV	**Sample Type:**	Water
			Delivery Work Order:	
			Global ID: L10008478954	
			Location ID (FieldPoint): EW-3	
			Matrix: W	
			Sample QC Type (SACode): CS	
			Cooler ID:	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Golder Associates
425 Lakeside Drive
Sunnyvale, CA 94085

Reported: 09/20/2012 16:24
Project: John Smith Road LF
Project Number: 053-7473-13
Project Manager: Tom Vercoutere

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information			
1217122-04	**COC Number:**	---	**Receive Date:**	09/11/2012 10:25
	Project Number:	John Smith Rd LF	**Sampling Date:**	09/07/2012 13:20
	Sampling Location:	EW-4	**Sample Depth:**	---
	Sampling Point:	EW-4	**Lab Matrix:**	Water
	Sampled By:	GAMV	**Sample Type:**	Water
			Delivery Work Order:	
			Global ID: L10008478954	
			Location ID (FieldPoint): EW-4	
			Matrix: W	
			Sample QC Type (SACode): CS	
			Cooler ID:	
1217122-05	**COC Number:**	---	**Receive Date:**	09/11/2012 10:25
	Project Number:	John Smith Rd LF	**Sampling Date:**	09/07/2012 13:25
	Sampling Location:	EW-5	**Sample Depth:**	---
	Sampling Point:	EW-5	**Lab Matrix:**	Water
	Sampled By:	GAMV	**Sample Type:**	Water
			Delivery Work Order:	
			Global ID: L10008478954	
			Location ID (FieldPoint): EW-5	
			Matrix: W	
			Sample QC Type (SACode): CS	
			Cooler ID:	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Golder Associates
425 Lakeside Drive
Sunnyvale, CA 94085

Reported: 09/20/2012 16:24
Project: John Smith Road LF
Project Number: 053-7473-13
Project Manager: Tom Vercoutere

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1217122-01 | **Client Sample Name:** John Smith Rd LF, EW-1, EW-1, 9/7/2012 1:15:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	ug/L	0.50	0.083	EPA-8260B	ND		1
Bromobenzene	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
Bromochloromethane	ND	ug/L	0.50	0.24	EPA-8260B	ND		1
Bromodichloromethane	ND	ug/L	0.50	0.14	EPA-8260B	ND		1
Bromoform	ND	ug/L	0.50	0.27	EPA-8260B	ND		1
Bromomethane	ND	ug/L	1.0	0.25	EPA-8260B	ND		1
n-Butylbenzene	ND	ug/L	0.50	0.11	EPA-8260B	ND		1
sec-Butylbenzene	ND	ug/L	0.50	0.15	EPA-8260B	ND		1
tert-Butylbenzene	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
Carbon tetrachloride	ND	ug/L	0.50	0.18	EPA-8260B	ND		1
Chlorobenzene	**0.10**	**ug/L**	**0.50**	**0.093**	**EPA-8260B**	ND	**J**	1
Chloroethane	ND	ug/L	0.50	0.14	EPA-8260B	ND		1
Chloroform	ND	ug/L	0.50	0.12	EPA-8260B	ND		1
Chloromethane	ND	ug/L	0.50	0.14	EPA-8260B	ND		1
2-Chlorotoluene	ND	ug/L	0.50	0.20	EPA-8260B	ND		1
4-Chlorotoluene	ND	ug/L	0.50	0.15	EPA-8260B	ND		1
Dibromochloromethane	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
1,2-Dibromo-3-chloropropane	ND	ug/L	1.0	0.44	EPA-8260B	ND		1
1,2-Dibromoethane	ND	ug/L	0.50	0.16	EPA-8260B	ND		1
Dibromomethane	ND	ug/L	0.50	0.24	EPA-8260B	ND		1
1,2-Dichlorobenzene	ND	ug/L	0.50	0.072	EPA-8260B	ND		1
1,3-Dichlorobenzene	ND	ug/L	0.50	0.15	EPA-8260B	ND		1
1,4-Dichlorobenzene	ND	ug/L	0.50	0.062	EPA-8260B	ND		1
Dichlorodifluoromethane	ND	ug/L	0.50	0.099	EPA-8260B	ND		1
1,1-Dichloroethane	**0.21**	**ug/L**	**0.50**	**0.11**	**EPA-8260B**	ND	**J**	1
1,2-Dichloroethane	ND	ug/L	0.50	0.17	EPA-8260B	ND		1
1,1-Dichloroethene	ND	ug/L	0.50	0.18	EPA-8260B	ND		1
cis-1,2-Dichloroethene	**5.4**	**ug/L**	**0.50**	**0.085**	**EPA-8260B**	ND		1
trans-1,2-Dichloroethene	**0.27**	**ug/L**	**0.50**	**0.15**	**EPA-8260B**	ND	**J**	1
1,2-Dichloropropane	**0.55**	**ug/L**	**0.50**	**0.13**	**EPA-8260B**	ND		1
1,3-Dichloropropane	ND	ug/L	0.50	0.086	EPA-8260B	ND		1
2,2-Dichloropropane	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
1,1-Dichloropropene	ND	ug/L	0.50	0.085	EPA-8260B	ND		1

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Golder Associates
425 Lakeside Drive
Sunnyvale, CA 94085

Reported: 09/20/2012 16:24
Project: John Smith Road LF
Project Number: 053-7473-13
Project Manager: Tom Vercoutere

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1217122-01 | **Client Sample Name:** John Smith Rd LF, EW-1, EW-1, 9/7/2012 1:15:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	ug/L	0.50	0.14	EPA-8260B	ND		1
trans-1,3-Dichloropropene	ND	ug/L	0.50	0.079	EPA-8260B	ND		1
Ethylbenzene	ND	ug/L	0.50	0.098	EPA-8260B	ND		1
Hexachlorobutadiene	ND	ug/L	0.50	0.17	EPA-8260B	ND		1
Isopropylbenzene	ND	ug/L	0.50	0.14	EPA-8260B	ND		1
Methylene chloride	ND	ug/L	1.0	0.48	EPA-8260B	ND		1
Methyl t-butyl ether	**0.80**	**ug/L**	**0.50**	**0.11**	**EPA-8260B**	ND		1
Naphthalene	ND	ug/L	0.50	0.36	EPA-8260B	ND		1
n-Propylbenzene	ND	ug/L	0.50	0.11	EPA-8260B	ND		1
Styrene	ND	ug/L	0.50	0.068	EPA-8260B	ND		1
1,1,1,2-Tetrachloroethane	ND	ug/L	0.50	0.18	EPA-8260B	ND		1
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50	0.17	EPA-8260B	ND		1
Tetrachloroethene	**0.92**	**ug/L**	**0.50**	**0.13**	**EPA-8260B**	ND		1
Toluene	ND	ug/L	0.50	0.093	EPA-8260B	ND		1
1,2,3-Trichlorobenzene	ND	ug/L	0.50	0.16	EPA-8260B	ND		1
1,2,4-Trichlorobenzene	ND	ug/L	0.50	0.19	EPA-8260B	ND		1
1,1,1-Trichloroethane	ND	ug/L	0.50	0.11	EPA-8260B	ND		1
1,1,2-Trichloroethane	ND	ug/L	0.50	0.16	EPA-8260B	ND		1
Trichloroethene	**3.9**	**ug/L**	**0.50**	**0.085**	**EPA-8260B**	ND		1
Trichlorofluoromethane	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
1,2,3-Trichloropropane	ND	ug/L	1.0	0.24	EPA-8260B	ND		1
1,2,4-Trimethylbenzene	ND	ug/L	0.50	0.12	EPA-8260B	ND		1
1,3,5-Trimethylbenzene	ND	ug/L	0.50	0.12	EPA-8260B	ND		1
Vinyl chloride	**0.26**	**ug/L**	**0.50**	**0.12**	**EPA-8260B**	ND	**J**	1
Total Xylenes	ND	ug/L	1.0	0.36	EPA-8260B	ND		1
Acetone	ND	ug/L	10	4.6	EPA-8260B	ND		1
Acrolein	ND	ug/L	20	7.9	EPA-8260B	ND	A40,V01	1
Acrylonitrile	ND	ug/L	5.0	1.2	EPA-8260B	ND		1
t-Amyl Methyl ether	ND	ug/L	0.50	0.25	EPA-8260B	ND		1
t-Butyl alcohol	ND	ug/L	10	9.4	EPA-8260B	ND		1
Carbon disulfide	ND	ug/L	1.0	0.38	EPA-8260B	ND		1
trans-1,4-Dichloro-2-butene	ND	ug/L	5.0	1.4	EPA-8260B	ND		1
Diisopropyl ether	ND	ug/L	0.50	0.23	EPA-8260B	ND		1

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Golder Associates
425 Lakeside Drive
Sunnyvale, CA 94085

Reported: 09/20/2012 16:24
Project: John Smith Road LF
Project Number: 053-7473-13
Project Manager: Tom Vercoutere

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1217122-01 | **Client Sample Name:** John Smith Rd LF, EW-1, EW-1, 9/7/2012 1:15:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
1,4-Dioxane	ND	ug/L	100	42	EPA-8260B	ND		1
Ethyl t-butyl ether	ND	ug/L	0.50	0.18	EPA-8260B	ND		1
2-Hexanone	ND	ug/L	10	3.4	EPA-8260B	ND		1
Methyl ethyl ketone	ND	ug/L	10	2.5	EPA-8260B	ND		1
Methyl iodide	ND	ug/L	2.0	0.47	EPA-8260B	ND		1
Methyl isobutyl ketone	ND	ug/L	10	2.1	EPA-8260B	ND		1
Vinyl acetate	ND	ug/L	10	1.8	EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	106	%	75 - 125 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	97.6	%	80 - 120 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	93.8	%	80 - 120 (LCL - UCL)		EPA-8260B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	09/13/12	09/14/12 00:28	MGC	MS-V5	1	BVI0881

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Golder Associates
425 Lakeside Drive
Sunnyvale, CA 94085

Reported: 09/20/2012 16:24
Project: John Smith Road LF
Project Number: 053-7473-13
Project Manager: Tom Vercoutere

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1217122-02 | **Client Sample Name:** John Smith Rd LF, EW-2, EW-2, 9/7/2012 4:40:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	ug/L	0.50	0.083	EPA-8260B	ND		1
Bromobenzene	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
Bromochloromethane	ND	ug/L	0.50	0.24	EPA-8260B	ND		1
Bromodichloromethane	ND	ug/L	0.50	0.14	EPA-8260B	ND		1
Bromoform	ND	ug/L	0.50	0.27	EPA-8260B	ND		1
Bromomethane	ND	ug/L	1.0	0.25	EPA-8260B	ND		1
n-Butylbenzene	ND	ug/L	0.50	0.11	EPA-8260B	ND		1
sec-Butylbenzene	ND	ug/L	0.50	0.15	EPA-8260B	ND		1
tert-Butylbenzene	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
Carbon tetrachloride	ND	ug/L	0.50	0.18	EPA-8260B	ND		1
Chlorobenzene	ND	ug/L	0.50	0.093	EPA-8260B	ND		1
Chloroethane	ND	ug/L	0.50	0.14	EPA-8260B	ND		1
Chloroform	ND	ug/L	0.50	0.12	EPA-8260B	ND		1
Chloromethane	ND	ug/L	0.50	0.14	EPA-8260B	ND		1
2-Chlorotoluene	ND	ug/L	0.50	0.20	EPA-8260B	ND		1
4-Chlorotoluene	ND	ug/L	0.50	0.15	EPA-8260B	ND		1
Dibromochloromethane	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
1,2-Dibromo-3-chloropropane	ND	ug/L	1.0	0.44	EPA-8260B	ND		1
1,2-Dibromoethane	ND	ug/L	0.50	0.16	EPA-8260B	ND		1
Dibromomethane	ND	ug/L	0.50	0.24	EPA-8260B	ND		1
1,2-Dichlorobenzene	ND	ug/L	0.50	0.072	EPA-8260B	ND		1
1,3-Dichlorobenzene	ND	ug/L	0.50	0.15	EPA-8260B	ND		1
1,4-Dichlorobenzene	ND	ug/L	0.50	0.062	EPA-8260B	ND		1
Dichlorodifluoromethane	**0.24**	**ug/L**	**0.50**	**0.099**	**EPA-8260B**	ND	**J**	1
1,1-Dichloroethane	ND	ug/L	0.50	0.11	EPA-8260B	ND		1
1,2-Dichloroethane	ND	ug/L	0.50	0.17	EPA-8260B	ND		1
1,1-Dichloroethene	ND	ug/L	0.50	0.18	EPA-8260B	ND		1
cis-1,2-Dichloroethene	**1.7**	**ug/L**	**0.50**	**0.085**	**EPA-8260B**	ND		1
trans-1,2-Dichloroethene	ND	ug/L	0.50	0.15	EPA-8260B	ND		1
1,2-Dichloropropane	**0.39**	**ug/L**	**0.50**	**0.13**	**EPA-8260B**	ND	**J**	1
1,3-Dichloropropane	ND	ug/L	0.50	0.086	EPA-8260B	ND		1
2,2-Dichloropropane	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
1,1-Dichloropropene	ND	ug/L	0.50	0.085	EPA-8260B	ND		1

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Golder Associates
425 Lakeside Drive
Sunnyvale, CA 94085

Reported: 09/20/2012 16:24
Project: John Smith Road LF
Project Number: 053-7473-13
Project Manager: Tom Vercoutere

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1217122-02 | **Client Sample Name:** John Smith Rd LF, EW-2, EW-2, 9/7/2012 4:40:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	ug/L	0.50	0.14	EPA-8260B	ND		1
trans-1,3-Dichloropropene	ND	ug/L	0.50	0.079	EPA-8260B	ND		1
Ethylbenzene	ND	ug/L	0.50	0.098	EPA-8260B	ND		1
Hexachlorobutadiene	ND	ug/L	0.50	0.17	EPA-8260B	ND		1
Isopropylbenzene	ND	ug/L	0.50	0.14	EPA-8260B	ND		1
Methylene chloride	ND	ug/L	1.0	0.48	EPA-8260B	ND		1
Methyl t-butyl ether	ND	ug/L	0.50	0.11	EPA-8260B	ND		1
Naphthalene	ND	ug/L	0.50	0.36	EPA-8260B	ND		1
n-Propylbenzene	ND	ug/L	0.50	0.11	EPA-8260B	ND		1
Styrene	ND	ug/L	0.50	0.068	EPA-8260B	ND		1
1,1,1,2-Tetrachloroethane	ND	ug/L	0.50	0.18	EPA-8260B	ND		1
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50	0.17	EPA-8260B	ND		1
Tetrachloroethene	**1.8**	**ug/L**	**0.50**	**0.13**	**EPA-8260B**	ND		1
Toluene	ND	ug/L	0.50	0.093	EPA-8260B	ND		1
1,2,3-Trichlorobenzene	ND	ug/L	0.50	0.16	EPA-8260B	ND		1
1,2,4-Trichlorobenzene	ND	ug/L	0.50	0.19	EPA-8260B	ND		1
1,1,1-Trichloroethane	ND	ug/L	0.50	0.11	EPA-8260B	ND		1
1,1,2-Trichloroethane	ND	ug/L	0.50	0.16	EPA-8260B	ND		1
Trichloroethene	**2.8**	**ug/L**	**0.50**	**0.085**	**EPA-8260B**	ND		1
Trichlorofluoromethane	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
1,2,3-Trichloropropane	ND	ug/L	1.0	0.24	EPA-8260B	ND		1
1,2,4-Trimethylbenzene	ND	ug/L	0.50	0.12	EPA-8260B	ND		1
1,3,5-Trimethylbenzene	ND	ug/L	0.50	0.12	EPA-8260B	ND		1
Vinyl chloride	ND	ug/L	0.50	0.12	EPA-8260B	ND		1
Total Xylenes	ND	ug/L	1.0	0.36	EPA-8260B	ND		1
Acetone	ND	ug/L	10	4.6	EPA-8260B	ND		1
Acrolein	ND	ug/L	20	7.9	EPA-8260B	ND	A40,V01	1
Acrylonitrile	ND	ug/L	5.0	1.2	EPA-8260B	ND		1
t-Amyl Methyl ether	ND	ug/L	0.50	0.25	EPA-8260B	ND		1
t-Butyl alcohol	ND	ug/L	10	9.4	EPA-8260B	ND		1
Carbon disulfide	ND	ug/L	1.0	0.38	EPA-8260B	ND		1
trans-1,4-Dichloro-2-butene	ND	ug/L	5.0	1.4	EPA-8260B	ND		1
Diisopropyl ether	ND	ug/L	0.50	0.23	EPA-8260B	ND		1

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Golder Associates
425 Lakeside Drive
Sunnyvale, CA 94085

Reported: 09/20/2012 16:24
Project: John Smith Road LF
Project Number: 053-7473-13
Project Manager: Tom Vercoutere

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1217122-02 | **Client Sample Name:** John Smith Rd LF, EW-2, EW-2, 9/7/2012 4:40:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
1,4-Dioxane	ND	ug/L	100	42	EPA-8260B	ND		1
Ethyl t-butyl ether	ND	ug/L	0.50	0.18	EPA-8260B	ND		1
2-Hexanone	ND	ug/L	10	3.4	EPA-8260B	ND		1
Methyl ethyl ketone	ND	ug/L	10	2.5	EPA-8260B	ND		1
Methyl iodide	ND	ug/L	2.0	0.47	EPA-8260B	ND		1
Methyl isobutyl ketone	ND	ug/L	10	2.1	EPA-8260B	ND		1
Vinyl acetate	ND	ug/L	10	1.8	EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	106	%	75 - 125 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	99.1	%	80 - 120 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	95.3	%	80 - 120 (LCL - UCL)		EPA-8260B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	09/13/12	09/14/12 00:51	MGC	MS-V5	1	BVI0881

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Golder Associates
425 Lakeside Drive
Sunnyvale, CA 94085

Reported: 09/20/2012 16:24
Project: John Smith Road LF
Project Number: 053-7473-13
Project Manager: Tom Vercoutere

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1217122-03 | **Client Sample Name:** John Smith Rd LF, EW-3, EW-3, 9/7/2012 4:30:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	ug/L	0.50	0.083	EPA-8260B	ND		1
Bromobenzene	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
Bromochloromethane	ND	ug/L	0.50	0.24	EPA-8260B	ND		1
Bromodichloromethane	ND	ug/L	0.50	0.14	EPA-8260B	ND		1
Bromoform	ND	ug/L	0.50	0.27	EPA-8260B	ND		1
Bromomethane	ND	ug/L	1.0	0.25	EPA-8260B	ND		1
n-Butylbenzene	ND	ug/L	0.50	0.11	EPA-8260B	ND		1
sec-Butylbenzene	ND	ug/L	0.50	0.15	EPA-8260B	ND		1
tert-Butylbenzene	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
Carbon tetrachloride	ND	ug/L	0.50	0.18	EPA-8260B	ND		1
Chlorobenzene	ND	ug/L	0.50	0.093	EPA-8260B	ND		1
Chloroethane	ND	ug/L	0.50	0.14	EPA-8260B	ND		1
Chloroform	ND	ug/L	0.50	0.12	EPA-8260B	ND		1
Chloromethane	ND	ug/L	0.50	0.14	EPA-8260B	ND		1
2-Chlorotoluene	ND	ug/L	0.50	0.20	EPA-8260B	ND		1
4-Chlorotoluene	ND	ug/L	0.50	0.15	EPA-8260B	ND		1
Dibromochloromethane	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
1,2-Dibromo-3-chloropropane	ND	ug/L	1.0	0.44	EPA-8260B	ND		1
1,2-Dibromoethane	ND	ug/L	0.50	0.16	EPA-8260B	ND		1
Dibromomethane	ND	ug/L	0.50	0.24	EPA-8260B	ND		1
1,2-Dichlorobenzene	ND	ug/L	0.50	0.072	EPA-8260B	ND		1
1,3-Dichlorobenzene	ND	ug/L	0.50	0.15	EPA-8260B	ND		1
1,4-Dichlorobenzene	ND	ug/L	0.50	0.062	EPA-8260B	ND		1
Dichlorodifluoromethane	ND	ug/L	0.50	0.099	EPA-8260B	ND		1
1,1-Dichloroethane	ND	ug/L	0.50	0.11	EPA-8260B	ND		1
1,2-Dichloroethane	ND	ug/L	0.50	0.17	EPA-8260B	ND		1
1,1-Dichloroethene	ND	ug/L	0.50	0.18	EPA-8260B	ND		1
cis-1,2-Dichloroethene	**0.96**	**ug/L**	**0.50**	**0.085**	**EPA-8260B**	ND		1
trans-1,2-Dichloroethene	ND	ug/L	0.50	0.15	EPA-8260B	ND		1
1,2-Dichloropropane	**0.20**	**ug/L**	**0.50**	**0.13**	**EPA-8260B**	ND	**J**	1
1,3-Dichloropropane	ND	ug/L	0.50	0.086	EPA-8260B	ND		1
2,2-Dichloropropane	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
1,1-Dichloropropene	ND	ug/L	0.50	0.085	EPA-8260B	ND		1

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Golder Associates
425 Lakeside Drive
Sunnyvale, CA 94085

Reported: 09/20/2012 16:24
Project: John Smith Road LF
Project Number: 053-7473-13
Project Manager: Tom Vercoutere

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1217122-03 | **Client Sample Name:** John Smith Rd LF, EW-3, EW-3, 9/7/2012 4:30:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	ug/L	0.50	0.14	EPA-8260B	ND		1
trans-1,3-Dichloropropene	ND	ug/L	0.50	0.079	EPA-8260B	ND		1
Ethylbenzene	ND	ug/L	0.50	0.098	EPA-8260B	ND		1
Hexachlorobutadiene	ND	ug/L	0.50	0.17	EPA-8260B	ND		1
Isopropylbenzene	ND	ug/L	0.50	0.14	EPA-8260B	ND		1
Methylene chloride	ND	ug/L	1.0	0.48	EPA-8260B	ND		1
Methyl t-butyl ether	ND	ug/L	0.50	0.11	EPA-8260B	ND		1
Naphthalene	ND	ug/L	0.50	0.36	EPA-8260B	ND		1
n-Propylbenzene	ND	ug/L	0.50	0.11	EPA-8260B	ND		1
Styrene	ND	ug/L	0.50	0.068	EPA-8260B	ND		1
1,1,1,2-Tetrachloroethane	ND	ug/L	0.50	0.18	EPA-8260B	ND		1
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50	0.17	EPA-8260B	ND		1
Tetrachloroethene	**0.56**	**ug/L**	**0.50**	**0.13**	**EPA-8260B**	ND		1
Toluene	ND	ug/L	0.50	0.093	EPA-8260B	ND		1
1,2,3-Trichlorobenzene	ND	ug/L	0.50	0.16	EPA-8260B	ND		1
1,2,4-Trichlorobenzene	ND	ug/L	0.50	0.19	EPA-8260B	ND		1
1,1,1-Trichloroethane	ND	ug/L	0.50	0.11	EPA-8260B	ND		1
1,1,2-Trichloroethane	ND	ug/L	0.50	0.16	EPA-8260B	ND		1
Trichloroethene	**0.84**	**ug/L**	**0.50**	**0.085**	**EPA-8260B**	ND		1
Trichlorofluoromethane	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
1,2,3-Trichloropropane	ND	ug/L	1.0	0.24	EPA-8260B	ND		1
1,2,4-Trimethylbenzene	ND	ug/L	0.50	0.12	EPA-8260B	ND		1
1,3,5-Trimethylbenzene	ND	ug/L	0.50	0.12	EPA-8260B	ND		1
Vinyl chloride	ND	ug/L	0.50	0.12	EPA-8260B	ND		1
Total Xylenes	ND	ug/L	1.0	0.36	EPA-8260B	ND		1
Acetone	ND	ug/L	10	4.6	EPA-8260B	ND		1
Acrolein	ND	ug/L	20	7.9	EPA-8260B	ND	A40,V01	1
Acrylonitrile	ND	ug/L	5.0	1.2	EPA-8260B	ND		1
t-Amyl Methyl ether	ND	ug/L	0.50	0.25	EPA-8260B	ND		1
t-Butyl alcohol	ND	ug/L	10	9.4	EPA-8260B	ND		1
Carbon disulfide	ND	ug/L	1.0	0.38	EPA-8260B	ND		1
trans-1,4-Dichloro-2-butene	ND	ug/L	5.0	1.4	EPA-8260B	ND		1
Diisopropyl ether	ND	ug/L	0.50	0.23	EPA-8260B	ND		1

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Golder Associates
425 Lakeside Drive
Sunnyvale, CA 94085

Reported: 09/20/2012 16:24
Project: John Smith Road LF
Project Number: 053-7473-13
Project Manager: Tom Vercoutere

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1217122-03 | **Client Sample Name:** John Smith Rd LF, EW-3, EW-3, 9/7/2012 4:30:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
1,4-Dioxane	ND	ug/L	100	42	EPA-8260B	ND		1
Ethyl t-butyl ether	ND	ug/L	0.50	0.18	EPA-8260B	ND		1
2-Hexanone	ND	ug/L	10	3.4	EPA-8260B	ND		1
Methyl ethyl ketone	ND	ug/L	10	2.5	EPA-8260B	ND		1
Methyl iodide	ND	ug/L	2.0	0.47	EPA-8260B	ND		1
Methyl isobutyl ketone	ND	ug/L	10	2.1	EPA-8260B	ND		1
Vinyl acetate	ND	ug/L	10	1.8	EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	106	%	75 - 125 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	99.4	%	80 - 120 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	96.2	%	80 - 120 (LCL - UCL)		EPA-8260B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	09/13/12	09/14/12 01:13	MGC	MS-V5	1	BVI0881

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Golder Associates
425 Lakeside Drive
Sunnyvale, CA 94085

Reported: 09/20/2012 16:24
Project: John Smith Road LF
Project Number: 053-7473-13
Project Manager: Tom Vercoutere

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1217122-04 | **Client Sample Name:** John Smith Rd LF, EW-4, EW-4, 9/7/2012 1:20:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	**0.33**	**ug/L**	**0.50**	**0.083**	**EPA-8260B**	ND	**J**	1
Bromobenzene	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
Bromochloromethane	ND	ug/L	0.50	0.24	EPA-8260B	ND		1
Bromodichloromethane	ND	ug/L	0.50	0.14	EPA-8260B	ND		1
Bromoform	ND	ug/L	0.50	0.27	EPA-8260B	ND		1
Bromomethane	ND	ug/L	1.0	0.25	EPA-8260B	ND		1
n-Butylbenzene	ND	ug/L	0.50	0.11	EPA-8260B	ND		1
sec-Butylbenzene	ND	ug/L	0.50	0.15	EPA-8260B	ND		1
tert-Butylbenzene	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
Carbon tetrachloride	ND	ug/L	0.50	0.18	EPA-8260B	ND		1
Chlorobenzene	**2.6**	**ug/L**	**0.50**	**0.093**	**EPA-8260B**	ND		1
Chloroethane	ND	ug/L	0.50	0.14	EPA-8260B	ND		1
Chloroform	ND	ug/L	0.50	0.12	EPA-8260B	ND		1
Chloromethane	ND	ug/L	0.50	0.14	EPA-8260B	ND		1
2-Chlorotoluene	ND	ug/L	0.50	0.20	EPA-8260B	ND		1
4-Chlorotoluene	ND	ug/L	0.50	0.15	EPA-8260B	ND		1
Dibromochloromethane	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
1,2-Dibromo-3-chloropropane	ND	ug/L	1.0	0.44	EPA-8260B	ND		1
1,2-Dibromoethane	ND	ug/L	0.50	0.16	EPA-8260B	ND		1
Dibromomethane	ND	ug/L	0.50	0.24	EPA-8260B	ND		1
1,2-Dichlorobenzene	ND	ug/L	0.50	0.072	EPA-8260B	ND		1
1,3-Dichlorobenzene	ND	ug/L	0.50	0.15	EPA-8260B	ND		1
1,4-Dichlorobenzene	**0.62**	**ug/L**	**0.50**	**0.062**	**EPA-8260B**	ND		1
Dichlorodifluoromethane	ND	ug/L	0.50	0.099	EPA-8260B	ND		1
1,1-Dichloroethane	**0.43**	**ug/L**	**0.50**	**0.11**	**EPA-8260B**	ND	**J**	1
1,2-Dichloroethane	**0.39**	**ug/L**	**0.50**	**0.17**	**EPA-8260B**	ND	**J**	1
1,1-Dichloroethene	**0.65**	**ug/L**	**0.50**	**0.18**	**EPA-8260B**	ND		1
cis-1,2-Dichloroethene	**19**	**ug/L**	**0.50**	**0.085**	**EPA-8260B**	ND		1
trans-1,2-Dichloroethene	**0.85**	**ug/L**	**0.50**	**0.15**	**EPA-8260B**	ND		1
1,2-Dichloropropane	**2.9**	**ug/L**	**0.50**	**0.13**	**EPA-8260B**	ND		1
1,3-Dichloropropane	ND	ug/L	0.50	0.086	EPA-8260B	ND		1
2,2-Dichloropropane	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
1,1-Dichloropropene	ND	ug/L	0.50	0.085	EPA-8260B	ND		1

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Golder Associates
425 Lakeside Drive
Sunnyvale, CA 94085

Reported: 09/20/2012 16:24
Project: John Smith Road LF
Project Number: 053-7473-13
Project Manager: Tom Vercoutere

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1217122-04 | **Client Sample Name:** John Smith Rd LF, EW-4, EW-4, 9/7/2012 1:20:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	ug/L	0.50	0.14	EPA-8260B	ND		1
trans-1,3-Dichloropropene	ND	ug/L	0.50	0.079	EPA-8260B	ND		1
Ethylbenzene	ND	ug/L	0.50	0.098	EPA-8260B	ND		1
Hexachlorobutadiene	ND	ug/L	0.50	0.17	EPA-8260B	ND		1
Isopropylbenzene	ND	ug/L	0.50	0.14	EPA-8260B	ND		1
Methylene chloride	ND	ug/L	1.0	0.48	EPA-8260B	ND		1
Methyl t-butyl ether	**0.61**	**ug/L**	**0.50**	**0.11**	**EPA-8260B**	ND		1
Naphthalene	ND	ug/L	0.50	0.36	EPA-8260B	ND		1
n-Propylbenzene	ND	ug/L	0.50	0.11	EPA-8260B	ND		1
Styrene	ND	ug/L	0.50	0.068	EPA-8260B	ND		1
1,1,1,2-Tetrachloroethane	ND	ug/L	0.50	0.18	EPA-8260B	ND		1
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50	0.17	EPA-8260B	ND		1
Tetrachloroethene	**1.4**	**ug/L**	**0.50**	**0.13**	**EPA-8260B**	ND		1
Toluene	ND	ug/L	0.50	0.093	EPA-8260B	ND		1
1,2,3-Trichlorobenzene	ND	ug/L	0.50	0.16	EPA-8260B	ND		1
1,2,4-Trichlorobenzene	ND	ug/L	0.50	0.19	EPA-8260B	ND		1
1,1,1-Trichloroethane	ND	ug/L	0.50	0.11	EPA-8260B	ND		1
1,1,2-Trichloroethane	ND	ug/L	0.50	0.16	EPA-8260B	ND		1
Trichloroethene	**17**	**ug/L**	**0.50**	**0.085**	**EPA-8260B**	ND		1
Trichlorofluoromethane	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
1,2,3-Trichloropropane	ND	ug/L	1.0	0.24	EPA-8260B	ND		1
1,2,4-Trimethylbenzene	ND	ug/L	0.50	0.12	EPA-8260B	ND		1
1,3,5-Trimethylbenzene	ND	ug/L	0.50	0.12	EPA-8260B	ND		1
Vinyl chloride	**3.6**	**ug/L**	**0.50**	**0.12**	**EPA-8260B**	ND		1
Total Xylenes	ND	ug/L	1.0	0.36	EPA-8260B	ND		1
Acetone	ND	ug/L	10	4.6	EPA-8260B	ND		1
Acrolein	ND	ug/L	20	7.9	EPA-8260B	ND	A40,V01	1
Acrylonitrile	ND	ug/L	5.0	1.2	EPA-8260B	ND		1
t-Amyl Methyl ether	ND	ug/L	0.50	0.25	EPA-8260B	ND		1
t-Butyl alcohol	**22**	**ug/L**	**10**	**9.4**	**EPA-8260B**	ND		1
Carbon disulfide	ND	ug/L	1.0	0.38	EPA-8260B	ND		1
trans-1,4-Dichloro-2-butene	ND	ug/L	5.0	1.4	EPA-8260B	ND		1
Diisopropyl ether	ND	ug/L	0.50	0.23	EPA-8260B	ND		1

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Golder Associates
425 Lakeside Drive
Sunnyvale, CA 94085

Reported: 09/20/2012 16:24
Project: John Smith Road LF
Project Number: 053-7473-13
Project Manager: Tom Vercoutere

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1217122-04 | **Client Sample Name:** John Smith Rd LF, EW-4, EW-4, 9/7/2012 1:20:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
1,4-Dioxane	ND	ug/L	100	42	EPA-8260B	ND		1
Ethyl t-butyl ether	ND	ug/L	0.50	0.18	EPA-8260B	ND		1
2-Hexanone	ND	ug/L	10	3.4	EPA-8260B	ND		1
Methyl ethyl ketone	ND	ug/L	10	2.5	EPA-8260B	ND		1
Methyl iodide	ND	ug/L	2.0	0.47	EPA-8260B	ND		1
Methyl isobutyl ketone	ND	ug/L	10	2.1	EPA-8260B	ND		1
Vinyl acetate	ND	ug/L	10	1.8	EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	111	%	75 - 125 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	99.3	%	80 - 120 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	97.3	%	80 - 120 (LCL - UCL)		EPA-8260B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	09/13/12	09/14/12 01:36	MGC	MS-V5	1	BVI0881

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Golder Associates
425 Lakeside Drive
Sunnyvale, CA 94085

Reported: 09/20/2012 16:24
Project: John Smith Road LF
Project Number: 053-7473-13
Project Manager: Tom Vercoutere

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1217122-05 | **Client Sample Name:** John Smith Rd LF, EW-5, EW-5, 9/7/2012 1:25:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	ug/L	0.50	0.083	EPA-8260B	ND		1
Bromobenzene	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
Bromochloromethane	ND	ug/L	0.50	0.24	EPA-8260B	ND		1
Bromodichloromethane	ND	ug/L	0.50	0.14	EPA-8260B	ND		1
Bromoform	ND	ug/L	0.50	0.27	EPA-8260B	ND		1
Bromomethane	ND	ug/L	1.0	0.25	EPA-8260B	ND		1
n-Butylbenzene	ND	ug/L	0.50	0.11	EPA-8260B	ND		1
sec-Butylbenzene	ND	ug/L	0.50	0.15	EPA-8260B	ND		1
tert-Butylbenzene	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
Carbon tetrachloride	ND	ug/L	0.50	0.18	EPA-8260B	ND		1
Chlorobenzene	ND	ug/L	0.50	0.093	EPA-8260B	ND		1
Chloroethane	ND	ug/L	0.50	0.14	EPA-8260B	ND		1
Chloroform	ND	ug/L	0.50	0.12	EPA-8260B	ND		1
Chloromethane	ND	ug/L	0.50	0.14	EPA-8260B	ND		1
2-Chlorotoluene	ND	ug/L	0.50	0.20	EPA-8260B	ND		1
4-Chlorotoluene	ND	ug/L	0.50	0.15	EPA-8260B	ND		1
Dibromochloromethane	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
1,2-Dibromo-3-chloropropane	ND	ug/L	1.0	0.44	EPA-8260B	ND		1
1,2-Dibromoethane	ND	ug/L	0.50	0.16	EPA-8260B	ND		1
Dibromomethane	ND	ug/L	0.50	0.24	EPA-8260B	ND		1
1,2-Dichlorobenzene	ND	ug/L	0.50	0.072	EPA-8260B	ND		1
1,3-Dichlorobenzene	ND	ug/L	0.50	0.15	EPA-8260B	ND		1
1,4-Dichlorobenzene	ND	ug/L	0.50	0.062	EPA-8260B	ND		1
Dichlorodifluoromethane	ND	ug/L	0.50	0.099	EPA-8260B	ND		1
1,1-Dichloroethane	ND	ug/L	0.50	0.11	EPA-8260B	ND		1
1,2-Dichloroethane	ND	ug/L	0.50	0.17	EPA-8260B	ND		1
1,1-Dichloroethene	ND	ug/L	0.50	0.18	EPA-8260B	ND		1
cis-1,2-Dichloroethene	**1.1**	**ug/L**	**0.50**	**0.085**	**EPA-8260B**	ND		1
trans-1,2-Dichloroethene	ND	ug/L	0.50	0.15	EPA-8260B	ND		1
1,2-Dichloropropane	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
1,3-Dichloropropane	ND	ug/L	0.50	0.086	EPA-8260B	ND		1
2,2-Dichloropropane	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
1,1-Dichloropropene	ND	ug/L	0.50	0.085	EPA-8260B	ND		1

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Golder Associates
425 Lakeside Drive
Sunnyvale, CA 94085

Reported: 09/20/2012 16:24
Project: John Smith Road LF
Project Number: 053-7473-13
Project Manager: Tom Vercoutere

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1217122-05 | **Client Sample Name:** John Smith Rd LF, EW-5, EW-5, 9/7/2012 1:25:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	ug/L	0.50	0.14	EPA-8260B	ND		1
trans-1,3-Dichloropropene	ND	ug/L	0.50	0.079	EPA-8260B	ND		1
Ethylbenzene	ND	ug/L	0.50	0.098	EPA-8260B	ND		1
Hexachlorobutadiene	ND	ug/L	0.50	0.17	EPA-8260B	ND		1
Isopropylbenzene	ND	ug/L	0.50	0.14	EPA-8260B	ND		1
Methylene chloride	ND	ug/L	1.0	0.48	EPA-8260B	ND		1
Methyl t-butyl ether	**0.31**	**ug/L**	**0.50**	**0.11**	**EPA-8260B**	ND	**J**	1
Naphthalene	ND	ug/L	0.50	0.36	EPA-8260B	ND		1
n-Propylbenzene	ND	ug/L	0.50	0.11	EPA-8260B	ND		1
Styrene	ND	ug/L	0.50	0.068	EPA-8260B	ND		1
1,1,1,2-Tetrachloroethane	ND	ug/L	0.50	0.18	EPA-8260B	ND		1
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50	0.17	EPA-8260B	ND		1
Tetrachloroethene	**0.19**	**ug/L**	**0.50**	**0.13**	**EPA-8260B**	ND	**J**	1
Toluene	ND	ug/L	0.50	0.093	EPA-8260B	ND		1
1,2,3-Trichlorobenzene	ND	ug/L	0.50	0.16	EPA-8260B	ND		1
1,2,4-Trichlorobenzene	ND	ug/L	0.50	0.19	EPA-8260B	ND		1
1,1,1-Trichloroethane	ND	ug/L	0.50	0.11	EPA-8260B	ND		1
1,1,2-Trichloroethane	ND	ug/L	0.50	0.16	EPA-8260B	ND		1
Trichloroethene	**0.72**	**ug/L**	**0.50**	**0.085**	**EPA-8260B**	ND		1
Trichlorofluoromethane	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
1,2,3-Trichloropropane	ND	ug/L	1.0	0.24	EPA-8260B	ND		1
1,2,4-Trimethylbenzene	ND	ug/L	0.50	0.12	EPA-8260B	ND		1
1,3,5-Trimethylbenzene	ND	ug/L	0.50	0.12	EPA-8260B	ND		1
Vinyl chloride	ND	ug/L	0.50	0.12	EPA-8260B	ND		1
Total Xylenes	ND	ug/L	1.0	0.36	EPA-8260B	ND		1
Acetone	ND	ug/L	10	4.6	EPA-8260B	ND		1
Acrolein	ND	ug/L	20	7.9	EPA-8260B	ND	A40,V01	1
Acrylonitrile	ND	ug/L	5.0	1.2	EPA-8260B	ND		1
t-Amyl Methyl ether	ND	ug/L	0.50	0.25	EPA-8260B	ND		1
t-Butyl alcohol	ND	ug/L	10	9.4	EPA-8260B	ND		1
Carbon disulfide	ND	ug/L	1.0	0.38	EPA-8260B	ND		1
trans-1,4-Dichloro-2-butene	ND	ug/L	5.0	1.4	EPA-8260B	ND		1
Diisopropyl ether	ND	ug/L	0.50	0.23	EPA-8260B	ND		1

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Golder Associates
425 Lakeside Drive
Sunnyvale, CA 94085

Reported: 09/20/2012 16:24
Project: John Smith Road LF
Project Number: 053-7473-13
Project Manager: Tom Vercoutere

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1217122-05 | **Client Sample Name:** John Smith Rd LF, EW-5, EW-5, 9/7/2012 1:25:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
1,4-Dioxane	ND	ug/L	100	42	EPA-8260B	ND		1
Ethyl t-butyl ether	ND	ug/L	0.50	0.18	EPA-8260B	ND		1
2-Hexanone	ND	ug/L	10	3.4	EPA-8260B	ND		1
Methyl ethyl ketone	ND	ug/L	10	2.5	EPA-8260B	ND		1
Methyl iodide	ND	ug/L	2.0	0.47	EPA-8260B	ND		1
Methyl isobutyl ketone	ND	ug/L	10	2.1	EPA-8260B	ND		1
Vinyl acetate	ND	ug/L	10	1.8	EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	107	%	75 - 125 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	98.5	%	80 - 120 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	95.5	%	80 - 120 (LCL - UCL)		EPA-8260B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	09/13/12	09/14/12 01:58	MGC	MS-V5	1	BVI0881

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Golder Associates
425 Lakeside Drive
Sunnyvale, CA 94085

Reported: 09/20/2012 16:24
Project: John Smith Road LF
Project Number: 053-7473-13
Project Manager: Tom Vercoutere

Volatile Organic Analysis (EPA Method 8260)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: BVI0881						
Benzene	BVI0881-BLK1	ND	ug/L	0.50	0.083	
Bromobenzene	BVI0881-BLK1	ND	ug/L	0.50	0.13	
Bromochloromethane	BVI0881-BLK1	ND	ug/L	0.50	0.24	
Bromodichloromethane	BVI0881-BLK1	ND	ug/L	0.50	0.14	
Bromoform	BVI0881-BLK1	ND	ug/L	0.50	0.27	
Bromomethane	BVI0881-BLK1	ND	ug/L	1.0	0.25	
n-Butylbenzene	BVI0881-BLK1	ND	ug/L	0.50	0.11	
sec-Butylbenzene	BVI0881-BLK1	ND	ug/L	0.50	0.15	
tert-Butylbenzene	BVI0881-BLK1	ND	ug/L	0.50	0.13	
Carbon tetrachloride	BVI0881-BLK1	ND	ug/L	0.50	0.18	
Chlorobenzene	BVI0881-BLK1	ND	ug/L	0.50	0.093	
Chloroethane	BVI0881-BLK1	ND	ug/L	0.50	0.14	
Chloroform	BVI0881-BLK1	ND	ug/L	0.50	0.12	
Chloromethane	BVI0881-BLK1	ND	ug/L	0.50	0.14	
2-Chlorotoluene	BVI0881-BLK1	ND	ug/L	0.50	0.20	
4-Chlorotoluene	BVI0881-BLK1	ND	ug/L	0.50	0.15	
Dibromochloromethane	BVI0881-BLK1	ND	ug/L	0.50	0.13	
1,2-Dibromo-3-chloropropane	BVI0881-BLK1	ND	ug/L	1.0	0.44	
1,2-Dibromoethane	BVI0881-BLK1	ND	ug/L	0.50	0.16	
Dibromomethane	BVI0881-BLK1	ND	ug/L	0.50	0.24	
1,2-Dichlorobenzene	BVI0881-BLK1	ND	ug/L	0.50	0.072	
1,3-Dichlorobenzene	BVI0881-BLK1	ND	ug/L	0.50	0.15	
1,4-Dichlorobenzene	BVI0881-BLK1	ND	ug/L	0.50	0.062	
Dichlorodifluoromethane	BVI0881-BLK1	ND	ug/L	0.50	0.099	
1,1-Dichloroethane	BVI0881-BLK1	ND	ug/L	0.50	0.11	
1,2-Dichloroethane	BVI0881-BLK1	ND	ug/L	0.50	0.17	
1,1-Dichloroethene	BVI0881-BLK1	ND	ug/L	0.50	0.18	
cis-1,2-Dichloroethene	BVI0881-BLK1	ND	ug/L	0.50	0.085	
trans-1,2-Dichloroethene	BVI0881-BLK1	ND	ug/L	0.50	0.15	
1,2-Dichloropropane	BVI0881-BLK1	ND	ug/L	0.50	0.13	
1,3-Dichloropropane	BVI0881-BLK1	ND	ug/L	0.50	0.086	
2,2-Dichloropropane	BVI0881-BLK1	ND	ug/L	0.50	0.13	
1,1-Dichloropropene	BVI0881-BLK1	ND	ug/L	0.50	0.085	
cis-1,3-Dichloropropene	BVI0881-BLK1	ND	ug/L	0.50	0.14	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Golder Associates
425 Lakeside Drive
Sunnyvale, CA 94085

Reported: 09/20/2012 16:24
Project: John Smith Road LF
Project Number: 053-7473-13
Project Manager: Tom Vercoutere

Volatile Organic Analysis (EPA Method 8260)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: BVI0881						
trans-1,3-Dichloropropene	BVI0881-BLK1	ND	ug/L	0.50	0.079	
Ethylbenzene	BVI0881-BLK1	ND	ug/L	0.50	0.098	
Hexachlorobutadiene	BVI0881-BLK1	ND	ug/L	0.50	0.17	
Isopropylbenzene	BVI0881-BLK1	ND	ug/L	0.50	0.14	
Methylene chloride	BVI0881-BLK1	ND	ug/L	1.0	0.48	
Methyl t-butyl ether	BVI0881-BLK1	ND	ug/L	0.50	0.11	
Naphthalene	BVI0881-BLK1	ND	ug/L	0.50	0.36	
n-Propylbenzene	BVI0881-BLK1	ND	ug/L	0.50	0.11	
Styrene	BVI0881-BLK1	ND	ug/L	0.50	0.068	
1,1,1,2-Tetrachloroethane	BVI0881-BLK1	ND	ug/L	0.50	0.18	
1,1,2,2-Tetrachloroethane	BVI0881-BLK1	ND	ug/L	0.50	0.17	
Tetrachloroethene	BVI0881-BLK1	ND	ug/L	0.50	0.13	
Toluene	BVI0881-BLK1	ND	ug/L	0.50	0.093	
1,2,3-Trichlorobenzene	BVI0881-BLK1	ND	ug/L	0.50	0.16	
1,2,4-Trichlorobenzene	BVI0881-BLK1	ND	ug/L	0.50	0.19	
1,1,1-Trichloroethane	BVI0881-BLK1	ND	ug/L	0.50	0.11	
1,1,2-Trichloroethane	BVI0881-BLK1	ND	ug/L	0.50	0.16	
Trichloroethene	BVI0881-BLK1	ND	ug/L	0.50	0.085	
Trichlorofluoromethane	BVI0881-BLK1	ND	ug/L	0.50	0.13	
1,2,3-Trichloropropane	BVI0881-BLK1	ND	ug/L	1.0	0.24	
1,2,4-Trimethylbenzene	BVI0881-BLK1	ND	ug/L	0.50	0.12	
1,3,5-Trimethylbenzene	BVI0881-BLK1	ND	ug/L	0.50	0.12	
Vinyl chloride	BVI0881-BLK1	ND	ug/L	0.50	0.12	
Total Xylenes	BVI0881-BLK1	ND	ug/L	1.0	0.36	
Acetone	BVI0881-BLK1	ND	ug/L	10	4.6	
Acrolein	BVI0881-BLK1	ND	ug/L	20	7.9	
Acrylonitrile	BVI0881-BLK1	ND	ug/L	5.0	1.2	
t-Amyl Methyl ether	BVI0881-BLK1	ND	ug/L	0.50	0.25	
t-Butyl alcohol	BVI0881-BLK1	ND	ug/L	10	9.4	
Carbon disulfide	BVI0881-BLK1	ND	ug/L	1.0	0.38	
trans-1,4-Dichloro-2-butene	BVI0881-BLK1	ND	ug/L	5.0	1.4	
Diisopropyl ether	BVI0881-BLK1	ND	ug/L	0.50	0.23	
1,4-Dioxane	BVI0881-BLK1	ND	ug/L	100	42	
Ethyl t-butyl ether	BVI0881-BLK1	ND	ug/L	0.50	0.18	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Golder Associates
425 Lakeside Drive
Sunnyvale, CA 94085

Reported: 09/20/2012 16:24
Project: John Smith Road LF
Project Number: 053-7473-13
Project Manager: Tom Vercoutere

Volatile Organic Analysis (EPA Method 8260)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: BVI0881						
2-Hexanone	BVI0881-BLK1	ND	ug/L	10	3.4	
Methyl ethyl ketone	BVI0881-BLK1	ND	ug/L	10	2.5	
Methyl iodide	BVI0881-BLK1	ND	ug/L	2.0	0.47	
Methyl isobutyl ketone	BVI0881-BLK1	ND	ug/L	10	2.1	
Vinyl acetate	BVI0881-BLK1	ND	ug/L	10	1.8	
1,2-Dichloroethane-d4 (Surrogate)	BVI0881-BLK1	106	%	75 - 125 (LCL - UCL)		
Toluene-d8 (Surrogate)	BVI0881-BLK1	99.8	%	80 - 120 (LCL - UCL)		
4-Bromofluorobenzene (Surrogate)	BVI0881-BLK1	94.8	%	80 - 120 (LCL - UCL)		

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Golder Associates
425 Lakeside Drive
Sunnyvale, CA 94085

Reported: 09/20/2012 16:24
Project: John Smith Road LF
Project Number: 053-7473-13
Project Manager: Tom Vercoutere

Volatile Organic Analysis (EPA Method 8260)

Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits Percent Recovery	Control Limits RPD	Lab Quals
QC Batch ID: BVI0881										
Benzene	BVI0881-BS1	LCS	24.230	25.000	ug/L	96.9		70 - 130		
Bromodichloromethane	BVI0881-BS1	LCS	25.200	25.000	ug/L	101		70 - 130		
Chlorobenzene	BVI0881-BS1	LCS	23.240	25.000	ug/L	93.0		70 - 130		
Chloroethane	BVI0881-BS1	LCS	25.940	25.000	ug/L	104		70 - 130		
1,4-Dichlorobenzene	BVI0881-BS1	LCS	24.400	25.000	ug/L	97.6		70 - 130		
1,1-Dichloroethane	BVI0881-BS1	LCS	24.310	25.000	ug/L	97.2		70 - 130		
1,1-Dichloroethene	BVI0881-BS1	LCS	25.490	25.000	ug/L	102		70 - 130		
Toluene	BVI0881-BS1	LCS	24.560	25.000	ug/L	98.2		70 - 130		
Trichloroethene	BVI0881-BS1	LCS	25.020	25.000	ug/L	100		70 - 130		
1,2-Dichloroethane-d4 (Surrogate)	BVI0881-BS1	LCS	10.040	10.000	ug/L	100		75 - 125		
Toluene-d8 (Surrogate)	BVI0881-BS1	LCS	9.9500	10.000	ug/L	99.5		80 - 120		
4-Bromofluorobenzene (Surrogate)	BVI0881-BS1	LCS	9.9900	10.000	ug/L	99.9		80 - 120		

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Golder Associates
425 Lakeside Drive
Sunnyvale, CA 94085

Reported: 09/20/2012 16:24
Project: John Smith Road LF
Project Number: 053-7473-13
Project Manager: Tom Vercoutere

Volatile Organic Analysis (EPA Method 8260)

Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
QC Batch ID: BVI0881	Used client sample: N										
Benzene	MS	1217177-02	ND	24.030	25.000	ug/L		96.1		70 - 130	
	MSD	1217177-02	ND	24.740	25.000	ug/L	2.9	99.0	20	70 - 130	
Bromodichloromethane	MS	1217177-02	ND	25.240	25.000	ug/L		101		70 - 130	
	MSD	1217177-02	ND	25.690	25.000	ug/L	1.8	103	20	70 - 130	
Chlorobenzene	MS	1217177-02	ND	23.320	25.000	ug/L		93.3		70 - 130	
	MSD	1217177-02	ND	23.810	25.000	ug/L	2.1	95.2	20	70 - 130	
Chloroethane	MS	1217177-02	ND	25.260	25.000	ug/L		101		70 - 130	
	MSD	1217177-02	ND	26.650	25.000	ug/L	5.4	107	20	70 - 130	
1,4-Dichlorobenzene	MS	1217177-02	ND	24.060	25.000	ug/L		96.2		70 - 130	
	MSD	1217177-02	ND	24.790	25.000	ug/L	3.0	99.2	20	70 - 130	
1,1-Dichloroethane	MS	1217177-02	ND	24.170	25.000	ug/L		96.7		70 - 130	
	MSD	1217177-02	ND	25.090	25.000	ug/L	3.7	100	20	70 - 130	
1,1-Dichloroethene	MS	1217177-02	ND	24.950	25.000	ug/L		99.8		70 - 130	
	MSD	1217177-02	ND	26.560	25.000	ug/L	6.3	106	20	70 - 130	
Toluene	MS	1217177-02	ND	24.390	25.000	ug/L		97.6		70 - 130	
	MSD	1217177-02	ND	25.010	25.000	ug/L	2.5	100	20	70 - 130	
Trichloroethene	MS	1217177-02	ND	24.140	25.000	ug/L		96.6		70 - 130	
	MSD	1217177-02	ND	24.970	25.000	ug/L	3.4	99.9	20	70 - 130	
1,2-Dichloroethane-d4 (Surrogate)	MS	1217177-02	ND	9.8900	10.000	ug/L		98.9		75 - 125	
	MSD	1217177-02	ND	9.8300	10.000	ug/L	0.6	98.3		75 - 125	
Toluene-d8 (Surrogate)	MS	1217177-02	ND	9.9300	10.000	ug/L		99.3		80 - 120	
	MSD	1217177-02	ND	10.110	10.000	ug/L	1.8	101		80 - 120	
4-Bromofluorobenzene (Surrogate)	MS	1217177-02	ND	10.030	10.000	ug/L		100		80 - 120	
	MSD	1217177-02	ND	9.9500	10.000	ug/L	0.8	99.5		80 - 120	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Golder Associates 425 Lakeside Drive Sunnyvale, CA 94085	**Reported:** 09/20/2012 16:24 Project: John Smith Road LF Project Number: 053-7473-13 Project Manager: Tom Vercoutere

Notes And Definitions

J	Estimated Value (CLP Flag)
MDL	Method Detection Limit
ND	Analyte Not Detected at or above the reporting limit
PQL	Practical Quantitation Limit
RPD	Relative Percent Difference
A40	Initial calibration linearity criteria not met.
V01	The Initial Calibration Verification (ICV) recovery is not within established control limits.

Date of Report: 11/06/2012

Tom Vercoutere

Golder Associates
425 Lakeside Drive
Sunnyvale, CA 94085

Project: John Smith Road LF
BC Work Order: 1221186
Invoice ID: B133554

Enclosed are the results of analyses for samples received by the laboratory on 11/2/2012. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Linda Phoudamneun

Contact Person: Linda Phoudamneun
Client Service Rep

Authorized Signature

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Table of Contents

Sample Information

Executive Summary - Detections..... 3
Chain of Custody and Cooler Receipt form..... 6
Laboratory / Client Sample Cross Reference..... 9

Sample Results

1221186-01 - EW-1
Volatile Organic Analysis (EPA Method 8260)..... 14
1221186-02 - EW-2
Volatile Organic Analysis (EPA Method 8260)..... 17
1221186-03 - EW-3
Volatile Organic Analysis (EPA Method 8260)..... 20
1221186-04 - EW-4
Volatile Organic Analysis (EPA Method 8260)..... 23
1221186-05 - EW-5
Volatile Organic Analysis (EPA Method 8260)..... 26
1221186-06 - G-32
Volatile Organic Analysis (EPA Method 8260)..... 29
1221186-07 - G-33
Volatile Organic Analysis (EPA Method 8260)..... 32
1221186-08 - CP-30
Volatile Organic Analysis (EPA Method 8260)..... 35
1221186-09 - W-4
Volatile Organic Analysis (EPA Method 8260)..... 38
1221186-10 - W-5
Volatile Organic Analysis (EPA Method 8260)..... 41
1221186-11 - W-19
Volatile Organic Analysis (EPA Method 8260)..... 44
1221186-12 - DUP-1
Volatile Organic Analysis (EPA Method 8260)..... 47
1221186-13 - DUP-2
Volatile Organic Analysis (EPA Method 8260)..... 50

Quality Control Reports

Volatile Organic Analysis (EPA Method 8260)
Method Blank Analysis..... 53
Laboratory Control Sample..... 56
Precision and Accuracy..... 57

Notes

Notes and Definitions..... 58

Executive Summary - Detections

Constituent	Result	PQL	MDL	Units	Method	Lab Quals
1221186-01 John Smith, John Smith, EW-1, 10/30/2012 2:21:00PM						
Chlorobenzene	0.12	0.50	0.093	ug/L	EPA-8260B	J
1,1-Dichloroethane	0.18	0.50	0.11	ug/L	EPA-8260B	J
cis-1,2-Dichloroethene	5.0	0.50	0.085	ug/L	EPA-8260B	
trans-1,2-Dichloroethene	0.19	0.50	0.15	ug/L	EPA-8260B	J
1,2-Dichloropropane	0.53	0.50	0.13	ug/L	EPA-8260B	
Methyl t-butyl ether	0.66	0.50	0.11	ug/L	EPA-8260B	
Tetrachloroethene	0.56	0.50	0.13	ug/L	EPA-8260B	
Trichloroethene	3.3	0.50	0.085	ug/L	EPA-8260B	
Vinyl chloride	0.13	0.50	0.12	ug/L	EPA-8260B	J
1221186-02 John Smith, John Smith, EW-2, 10/30/2012 1:01:00PM						
Dichlorodifluoromethane	0.22	0.50	0.099	ug/L	EPA-8260B	J
cis-1,2-Dichloroethene	1.6	0.50	0.085	ug/L	EPA-8260B	
1,2-Dichloropropane	0.38	0.50	0.13	ug/L	EPA-8260B	J
Tetrachloroethene	1.8	0.50	0.13	ug/L	EPA-8260B	
Trichloroethene	2.8	0.50	0.085	ug/L	EPA-8260B	
1221186-03 John Smith, John Smith, EW-3, 10/30/2012 1:21:00PM						
cis-1,2-Dichloroethene	0.81	0.50	0.085	ug/L	EPA-8260B	
1,2-Dichloropropane	0.18	0.50	0.13	ug/L	EPA-8260B	J
Tetrachloroethene	0.62	0.50	0.13	ug/L	EPA-8260B	
Trichloroethene	0.76	0.50	0.085	ug/L	EPA-8260B	
1221186-04 John Smith, John Smith, EW-4, 10/30/2012 2:31:00PM						
Benzene	0.28	0.50	0.083	ug/L	EPA-8260B	J
Chlorobenzene	2.2	0.50	0.093	ug/L	EPA-8260B	
1,4-Dichlorobenzene	0.41	0.50	0.062	ug/L	EPA-8260B	J
1,1-Dichloroethane	0.38	0.50	0.11	ug/L	EPA-8260B	J
1,2-Dichloroethane	0.37	0.50	0.17	ug/L	EPA-8260B	J
1,1-Dichloroethene	0.55	0.50	0.18	ug/L	EPA-8260B	
cis-1,2-Dichloroethene	16	0.50	0.085	ug/L	EPA-8260B	
trans-1,2-Dichloroethene	0.63	0.50	0.15	ug/L	EPA-8260B	
1,2-Dichloropropane	2.7	0.50	0.13	ug/L	EPA-8260B	
Methyl t-butyl ether	0.54	0.50	0.11	ug/L	EPA-8260B	
Tetrachloroethene	1.2	0.50	0.13	ug/L	EPA-8260B	
Trichloroethene	14	0.50	0.085	ug/L	EPA-8260B	
Vinyl chloride	2.8	0.50	0.12	ug/L	EPA-8260B	
t-Butyl alcohol	19	10	9.4	ug/L	EPA-8260B	
1221186-05 John Smith, John Smith, EW-5, 10/30/2012 2:11:00PM						
cis-1,2-Dichloroethene	0.64	0.50	0.085	ug/L	EPA-8260B	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Executive Summary - Detections

Constituent	Result	PQL	MDL	Units	Method	Lab Quals
1221186-05 John Smith, John Smith, EW-5, 10/30/2012 2:11:00PM						
Methyl t-butyl ether	0.30	0.50	0.11	ug/L	EPA-8260B	J
Tetrachloroethene	0.14	0.50	0.13	ug/L	EPA-8260B	J
Trichloroethene	0.44	0.50	0.085	ug/L	EPA-8260B	J
1221186-06 John Smith, John Smith, G-32, 10/30/2012 2:41:00PM						
Dichlorodifluoromethane	0.51	0.50	0.099	ug/L	EPA-8260B	
1,1-Dichloroethane	0.23	0.50	0.11	ug/L	EPA-8260B	J
1,2-Dichloroethane	0.46	0.50	0.17	ug/L	EPA-8260B	J
cis-1,2-Dichloroethene	4.6	0.50	0.085	ug/L	EPA-8260B	
trans-1,2-Dichloroethene	0.15	0.50	0.15	ug/L	EPA-8260B	J
1,2-Dichloropropane	1.5	0.50	0.13	ug/L	EPA-8260B	
Tetrachloroethene	2.8	0.50	0.13	ug/L	EPA-8260B	
Toluene	0.11	0.50	0.093	ug/L	EPA-8260B	J
Trichloroethene	4.2	0.50	0.085	ug/L	EPA-8260B	
1221186-07 John Smith, John Smith, G-33, 10/30/2012 2:51:00PM						
Benzene	0.14	0.50	0.083	ug/L	EPA-8260B	J
Dichlorodifluoromethane	0.22	0.50	0.099	ug/L	EPA-8260B	J
cis-1,2-Dichloroethene	1.1	0.50	0.085	ug/L	EPA-8260B	
1,2-Dichloropropane	0.32	0.50	0.13	ug/L	EPA-8260B	J
Tetrachloroethene	2.1	0.50	0.13	ug/L	EPA-8260B	
Toluene	0.27	0.50	0.093	ug/L	EPA-8260B	J
Trichloroethene	3.2	0.50	0.085	ug/L	EPA-8260B	
1221186-09 John Smith, John Smith, W-4, 10/31/2012 12:11:00PM						
cis-1,2-Dichloroethene	0.56	0.50	0.085	ug/L	EPA-8260B	
Tetrachloroethene	0.20	0.50	0.13	ug/L	EPA-8260B	J
Trichloroethene	0.17	0.50	0.085	ug/L	EPA-8260B	J
Vinyl chloride	0.14	0.50	0.12	ug/L	EPA-8260B	J
Carbon disulfide	0.45	1.0	0.38	ug/L	EPA-8260B	J
1221186-10 John Smith, John Smith, W-5, 10/31/2012 11:01:00AM						
Benzene	0.10	0.50	0.083	ug/L	EPA-8260B	J
Dichlorodifluoromethane	0.22	0.50	0.099	ug/L	EPA-8260B	J
1,1-Dichloroethane	0.23	0.50	0.11	ug/L	EPA-8260B	J
cis-1,2-Dichloroethene	2.9	0.50	0.085	ug/L	EPA-8260B	
Tetrachloroethene	3.9	0.50	0.13	ug/L	EPA-8260B	
Trichloroethene	0.75	0.50	0.085	ug/L	EPA-8260B	
Vinyl chloride	1.4	0.50	0.12	ug/L	EPA-8260B	
1221186-13 John Smith, John Smith, DUP-2, 10/31/2012 11:21:00AM						
Benzene	0.10	0.50	0.083	ug/L	EPA-8260B	J

Executive Summary - Detections

Constituent	Result	PQL	MDL	Units	Method	Lab Quals
1221186-13 John Smith, John Smith, DUP-2, 10/31/2012 11:21:00AM						
Dichlorodifluoromethane	0.22	0.50	0.099	ug/L	EPA-8260B	J
1,1-Dichloroethane	0.27	0.50	0.11	ug/L	EPA-8260B	J
cis-1,2-Dichloroethene	2.9	0.50	0.085	ug/L	EPA-8260B	
Tetrachloroethene	3.8	0.50	0.13	ug/L	EPA-8260B	
Trichloroethene	0.73	0.50	0.085	ug/L	EPA-8260B	
Vinyl chloride	1.4	0.50	0.12	ug/L	EPA-8260B	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Golder Associates

12-21186

Golder Associates
CHAIN OF CUSTODY

Page 1 of 1
Quotation No.

PROJECT NO.: 053747313
SITE NAME: John Smith
SAMPLER(S): Michael Pierce (printed) (signature)
CONTRACT LABORATORY: BC Lab
TURN-AROUND TIME: Standard

ANALYSES: EPA 8260 Appl, 4 drinking, TOME, MTBE, TBA, DIPE, ETBE

EDD required? ☑ Yes ☐ No
EDF required? ☑ Yes ☐ No

Sample I.D.	Lab I.D.	Collection Date	Collection Time	Matrix	Depth	Type/Vol.	Filter	Preserv.	Cont. Qty.	Remarks
						40ml vial	N	HCL		
EW-1	-1	10/30/12	1421	gw				3	3	
EW-2	-2	↓	1301	↓				3	3	
EW-3	-3		1321					3	3	
EW-4	-4		1431					3	3	
EW-5	-5	↓	1411	↓				3	3	
g-32	-6	10/30/12	1441	gw				3	3	
g-33	-7	10/30/12	1451	gw				3	3	
cp-30	-8	10/31/12	1351	gw				3	3	
w-4	-9	↓	1211	gw				3	3	Report MDL/PQL
w-5	-10		1101	gw				3	3	and J flags.
w-19	-11	↓	1301	gw				3	3	
Dup-1	-12	10/31/12	1411	gw				3	3	Analytical charges to
Dup-2	-13	↓	1121	gw				3	3	be billed directly to
										San Benito Co.

CHK BY: KIQ
DISTRIBUTION: TKP
SUB-OUT ☐

Relinquished by: (signature)	Received by: (signature)	Date/Time:
	P. BINS BCL	11/1/12 1630
Relinquished by: (signature) 11/1/12 BCL via GSO 1820	Received by: (signature)	Date/Time: 11/2/12 10:10
Relinquished by: (signature)	Received by: (signature)	Date/Time:

SEND RESULTS TO:
Attn: Tom Vercontere
Golder Associates Inc.
425 Lakeside Drive
Sunnyvale, CA 94085
Phone (408) 220-9223
Fax (408) 220-9224

white: lab copy yellow: project file

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Chain of Custody and Cooler Receipt Form for 1221186 Page 2 of 3

BC LABORATORIES INC. COOLER RECEIPT FORM Rev. No. 13 08/17/12 Page __ Of __

Submission #: 12-21186

SHIPPING INFORMATION
Federal Express ☐ UPS ☐ Hand Delivery ☐
BC Lab Field Service ☐ Other ☑ (Specify) GSO

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

Emissivity: 0.95 Container: Pipe Thermometer ID: 207
Temperature: (A) 5.5 °C / (C) 5.7 °C

Date/Time 11/2/12
Analyst Init MAM 10:10

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										
PT TOTAL ORGANIC CARBON										
PT TOX										
PT CHEMICAL OXYGEN DEMAND										
PIA PHENOLICS										
40ml VOA VIAL TRAVEL BLANK										
40ml VOA VIAL	A3	A3	A3	A3	A3	A3	A3	A3	A3	A3
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 AMBER										
8 OZ. JAR										
32 OZ. JAR										
SOIL SLEEVE										
PCB VIAL										
PLASTIC BAG										
FERROUS IRON										
ENCORE										
SMART KIT										

Comments:
Sample Numbering Completed By: KIQ Date/Time: 11/2/12
A = Actual / C = Corrected

Chain of Custody and Cooler Receipt Form for 1221186 Page 3 of 3

BC LABORATORIES INC. COOLER RECEIPT FORM Rev. No. 13 08/17/12 Page __ Of __

Submission #: 12-21186

SHIPPING INFORMATION
Federal Express ☐ UPS ☐ Hand Delivery ☐
BC Lab Field Service ☐ Other ☑ (Specify) GSO

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

Emissivity: 0.95 Container: Pipe Thermometer ID: 207
Temperature: (A) 5.5 °C / (C) 5.7 °C

Date/Time 11/4/12
Analyst Init MM 10:10

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										
PT TOTAL ORGANIC CARBON										
PT TOX										
PT CHEMICAL OXYGEN DEMAND										
PtA PHENOLICS										
40ml VOA VIAL TRAVEL BLANK										
40ml VOA VIAL	A3	A3	A3							
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 AMBER										
8 OZ. JAR										
32 OZ. JAR										
SOIL SLEEVE										
PCB VIAL										
PLASTIC BAG										
FERROUS IRON										
ENCORE										
SMART KIT										

Comments:
Sample Numbering Completed By: KIQ Date/Time: 11/2/12
A = Actual / C = Corrected

Golder Associates
425 Lakeside Drive
Sunnyvale, CA 94085

Reported: 11/06/2012 14:29
Project: John Smith Road LF
Project Number: 053747313
Project Manager: Tom Vercoutere

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information			
1221186-01	**COC Number:**	---	**Receive Date:**	11/02/2012 10:10
	Project Number:	John Smith	**Sampling Date:**	10/30/2012 14:21
	Sampling Location:	John Smith	**Sample Depth:**	---
	Sampling Point:	EW-1	**Lab Matrix:**	Water
	Sampled By:	GAMV	**Sample Type:**	Groundwater
			Delivery Work Order:	
			Global ID: L10008478954	
			Location ID (FieldPoint): EW-1	
			Matrix: W	
			Sample QC Type (SACode): CS	
			Cooler ID:	
1221186-02	**COC Number:**	---	**Receive Date:**	11/02/2012 10:10
	Project Number:	John Smith	**Sampling Date:**	10/30/2012 13:01
	Sampling Location:	John Smith	**Sample Depth:**	---
	Sampling Point:	EW-2	**Lab Matrix:**	Water
	Sampled By:	GAMV	**Sample Type:**	Groundwater
			Delivery Work Order:	
			Global ID: L10008478954	
			Location ID (FieldPoint): EW-2	
			Matrix: W	
			Sample QC Type (SACode): CS	
			Cooler ID:	
1221186-03	**COC Number:**	---	**Receive Date:**	11/02/2012 10:10
	Project Number:	John Smith	**Sampling Date:**	10/30/2012 13:21
	Sampling Location:	John Smith	**Sample Depth:**	---
	Sampling Point:	EW-3	**Lab Matrix:**	Water
	Sampled By:	GAMV	**Sample Type:**	Groundwater
			Delivery Work Order:	
			Global ID: L10008478954	
			Location ID (FieldPoint): EW-3	
			Matrix: W	
			Sample QC Type (SACode): CS	
			Cooler ID:	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Golder Associates
425 Lakeside Drive
Sunnyvale, CA 94085

Reported: 11/06/2012 14:29
Project: John Smith Road LF
Project Number: 053747313
Project Manager: Tom Vercoutere

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information			
1221186-04	**COC Number:**	---	**Receive Date:**	11/02/2012 10:10
	Project Number:	John Smith	**Sampling Date:**	10/30/2012 14:31
	Sampling Location:	John Smith	**Sample Depth:**	---
	Sampling Point:	EW-4	**Lab Matrix:**	Water
	Sampled By:	GAMV	**Sample Type:**	Groundwater
			Delivery Work Order:	
			Global ID: L10008478954	
			Location ID (FieldPoint): EW-4	
			Matrix: W	
			Sample QC Type (SACode): CS	
			Cooler ID:	
1221186-05	**COC Number:**	---	**Receive Date:**	11/02/2012 10:10
	Project Number:	John Smith	**Sampling Date:**	10/30/2012 14:11
	Sampling Location:	John Smith	**Sample Depth:**	---
	Sampling Point:	EW-5	**Lab Matrix:**	Water
	Sampled By:	GAMV	**Sample Type:**	Groundwater
			Delivery Work Order:	
			Global ID: L10008478954	
			Location ID (FieldPoint): EW-5	
			Matrix: W	
			Sample QC Type (SACode): CS	
			Cooler ID:	
1221186-06	**COC Number:**	---	**Receive Date:**	11/02/2012 10:10
	Project Number:	John Smith	**Sampling Date:**	10/30/2012 14:41
	Sampling Location:	John Smith	**Sample Depth:**	---
	Sampling Point:	G-32	**Lab Matrix:**	Water
	Sampled By:	GAMV	**Sample Type:**	Groundwater
			Delivery Work Order:	
			Global ID: L10008478954	
			Location ID (FieldPoint): G-32	
			Matrix: W	
			Sample QC Type (SACode): CS	
			Cooler ID:	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Golder Associates
425 Lakeside Drive
Sunnyvale, CA 94085

Reported: 11/06/2012 14:29
Project: John Smith Road LF
Project Number: 053747313
Project Manager: Tom Vercoutere

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information			
1221186-07	**COC Number:**	---	**Receive Date:**	11/02/2012 10:10
	Project Number:	John Smith	**Sampling Date:**	10/30/2012 14:51
	Sampling Location:	John Smith	**Sample Depth:**	---
	Sampling Point:	G-33	**Lab Matrix:**	Water
	Sampled By:	GAMV	**Sample Type:**	Groundwater
			Delivery Work Order:	
			Global ID: L10008478954	
			Location ID (FieldPoint): G-33	
			Matrix: W	
			Sample QC Type (SACode): CS	
			Cooler ID:	
1221186-08	**COC Number:**	---	**Receive Date:**	11/02/2012 10:10
	Project Number:	John Smith	**Sampling Date:**	10/31/2012 13:51
	Sampling Location:	John Smith	**Sample Depth:**	---
	Sampling Point:	CP-30	**Lab Matrix:**	Water
	Sampled By:	GAMV	**Sample Type:**	Groundwater
			Delivery Work Order:	
			Global ID: L10008478954	
			Location ID (FieldPoint): CP-30	
			Matrix: W	
			Sample QC Type (SACode): CS	
			Cooler ID:	
1221186-09	**COC Number:**	---	**Receive Date:**	11/02/2012 10:10
	Project Number:	John Smith	**Sampling Date:**	10/31/2012 12:11
	Sampling Location:	John Smith	**Sample Depth:**	---
	Sampling Point:	W-4	**Lab Matrix:**	Water
	Sampled By:	GAMV	**Sample Type:**	Groundwater
			Delivery Work Order:	
			Global ID: L10008478954	
			Location ID (FieldPoint): W-4	
			Matrix: W	
			Sample QC Type (SACode): CS	
			Cooler ID:	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Golder Associates
425 Lakeside Drive
Sunnyvale, CA 94085

Reported: 11/06/2012 14:29
Project: John Smith Road LF
Project Number: 053747313
Project Manager: Tom Vercoutere

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information			
1221186-10	**COC Number:**	---	**Receive Date:**	11/02/2012 10:10
	Project Number:	John Smith	**Sampling Date:**	10/31/2012 11:01
	Sampling Location:	John Smith	**Sample Depth:**	---
	Sampling Point:	W-5	**Lab Matrix:**	Water
	Sampled By:	GAMV	**Sample Type:**	Groundwater
			Delivery Work Order:	
			Global ID: L10008478954	
			Location ID (FieldPoint): W-5	
			Matrix: W	
			Sample QC Type (SACode): CS	
			Cooler ID:	
1221186-11	**COC Number:**	---	**Receive Date:**	11/02/2012 10:10
	Project Number:	John Smith	**Sampling Date:**	10/31/2012 13:01
	Sampling Location:	John Smith	**Sample Depth:**	---
	Sampling Point:	W-19	**Lab Matrix:**	Water
	Sampled By:	GAMV	**Sample Type:**	Groundwater
			Delivery Work Order:	
			Global ID: L10008478954	
			Location ID (FieldPoint): W-19	
			Matrix: W	
			Sample QC Type (SACode): CS	
			Cooler ID:	
1221186-12	**COC Number:**	---	**Receive Date:**	11/02/2012 10:10
	Project Number:	John Smith	**Sampling Date:**	10/31/2012 14:11
	Sampling Location:	John Smith	**Sample Depth:**	---
	Sampling Point:	DUP-1	**Lab Matrix:**	Water
	Sampled By:	GAMV	**Sample Type:**	Groundwater
			Delivery Work Order:	
			Global ID: L10008478954	
			Location ID (FieldPoint): DUP-1	
			Matrix: W	
			Sample QC Type (SACode): CS	
			Cooler ID:	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Golder Associates
425 Lakeside Drive
Sunnyvale, CA 94085

Reported: 11/06/2012 14:29
Project: John Smith Road LF
Project Number: 053747313
Project Manager: Tom Vercoutere

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information			
1221186-13	**COC Number:**	---	**Receive Date:**	11/02/2012 10:10
	Project Number:	John Smith	**Sampling Date:**	10/31/2012 11:21
	Sampling Location:	John Smith	**Sample Depth:**	---
	Sampling Point:	DUP-2	**Lab Matrix:**	Water
	Sampled By:	GAMV	**Sample Type:**	Groundwater

Delivery Work Order:
Global ID: L10008478954
Location ID (FieldPoint): DUP-2
Matrix: W
Sample QC Type (SACode): CS
Cooler ID:

Golder Associates
425 Lakeside Drive
Sunnyvale, CA 94085

Reported: 11/06/2012 14:29
Project: John Smith Road LF
Project Number: 053747313
Project Manager: Tom Vercoutere

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1221186-01 | **Client Sample Name:** John Smith, John Smith, EW-1, 10/30/2012 2:21:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	ug/L	0.50	0.083	EPA-8260B	ND		1
Bromobenzene	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
Bromochloromethane	ND	ug/L	0.50	0.24	EPA-8260B	ND		1
Bromodichloromethane	ND	ug/L	0.50	0.14	EPA-8260B	ND		1
Bromoform	ND	ug/L	0.50	0.27	EPA-8260B	ND		1
Bromomethane	ND	ug/L	1.0	0.25	EPA-8260B	ND		1
n-Butylbenzene	ND	ug/L	0.50	0.11	EPA-8260B	ND		1
sec-Butylbenzene	ND	ug/L	0.50	0.15	EPA-8260B	ND		1
tert-Butylbenzene	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
Carbon tetrachloride	ND	ug/L	0.50	0.18	EPA-8260B	ND		1
Chlorobenzene	**0.12**	**ug/L**	**0.50**	**0.093**	**EPA-8260B**	ND	**J**	1
Chloroethane	ND	ug/L	0.50	0.14	EPA-8260B	ND		1
Chloroform	ND	ug/L	0.50	0.12	EPA-8260B	ND		1
Chloromethane	ND	ug/L	0.50	0.14	EPA-8260B	ND		1
2-Chlorotoluene	ND	ug/L	0.50	0.20	EPA-8260B	ND		1
4-Chlorotoluene	ND	ug/L	0.50	0.15	EPA-8260B	ND		1
Dibromochloromethane	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
1,2-Dibromo-3-chloropropane	ND	ug/L	1.0	0.44	EPA-8260B	ND		1
1,2-Dibromoethane	ND	ug/L	0.50	0.16	EPA-8260B	ND		1
Dibromomethane	ND	ug/L	0.50	0.24	EPA-8260B	ND		1
1,2-Dichlorobenzene	ND	ug/L	0.50	0.072	EPA-8260B	ND		1
1,3-Dichlorobenzene	ND	ug/L	0.50	0.15	EPA-8260B	ND		1
1,4-Dichlorobenzene	ND	ug/L	0.50	0.062	EPA-8260B	ND		1
Dichlorodifluoromethane	ND	ug/L	0.50	0.099	EPA-8260B	ND		1
1,1-Dichloroethane	**0.18**	**ug/L**	**0.50**	**0.11**	**EPA-8260B**	ND	**J**	1
1,2-Dichloroethane	ND	ug/L	0.50	0.17	EPA-8260B	ND		1
1,1-Dichloroethene	ND	ug/L	0.50	0.18	EPA-8260B	ND		1
cis-1,2-Dichloroethene	**5.0**	**ug/L**	**0.50**	**0.085**	**EPA-8260B**	ND		1
trans-1,2-Dichloroethene	**0.19**	**ug/L**	**0.50**	**0.15**	**EPA-8260B**	ND	**J**	1
1,2-Dichloropropane	**0.53**	**ug/L**	**0.50**	**0.13**	**EPA-8260B**	ND		1
1,3-Dichloropropane	ND	ug/L	0.50	0.086	EPA-8260B	ND		1
2,2-Dichloropropane	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
1,1-Dichloropropene	ND	ug/L	0.50	0.085	EPA-8260B	ND		1

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Golder Associates
425 Lakeside Drive
Sunnyvale, CA 94085

Reported: 11/06/2012 14:29
Project: John Smith Road LF
Project Number: 053747313
Project Manager: Tom Vercoutere

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1221186-01 | **Client Sample Name:** John Smith, John Smith, EW-1, 10/30/2012 2:21:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	ug/L	0.50	0.14	EPA-8260B	ND		1
trans-1,3-Dichloropropene	ND	ug/L	0.50	0.079	EPA-8260B	ND		1
Ethylbenzene	ND	ug/L	0.50	0.098	EPA-8260B	ND		1
Hexachlorobutadiene	ND	ug/L	0.50	0.17	EPA-8260B	ND		1
Isopropylbenzene	ND	ug/L	0.50	0.14	EPA-8260B	ND		1
Methylene chloride	ND	ug/L	1.0	0.48	EPA-8260B	ND		1
Methyl t-butyl ether	**0.66**	**ug/L**	**0.50**	**0.11**	**EPA-8260B**	ND		1
Naphthalene	ND	ug/L	0.50	0.36	EPA-8260B	ND		1
n-Propylbenzene	ND	ug/L	0.50	0.11	EPA-8260B	ND		1
Styrene	ND	ug/L	0.50	0.068	EPA-8260B	ND		1
1,1,1,2-Tetrachloroethane	ND	ug/L	0.50	0.18	EPA-8260B	ND		1
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50	0.17	EPA-8260B	ND		1
Tetrachloroethene	**0.56**	**ug/L**	**0.50**	**0.13**	**EPA-8260B**	ND		1
Toluene	ND	ug/L	0.50	0.093	EPA-8260B	ND		1
1,2,3-Trichlorobenzene	ND	ug/L	0.50	0.16	EPA-8260B	ND		1
1,2,4-Trichlorobenzene	ND	ug/L	0.50	0.19	EPA-8260B	ND		1
1,1,1-Trichloroethane	ND	ug/L	0.50	0.11	EPA-8260B	ND		1
1,1,2-Trichloroethane	ND	ug/L	0.50	0.16	EPA-8260B	ND		1
Trichloroethene	**3.3**	**ug/L**	**0.50**	**0.085**	**EPA-8260B**	ND		1
Trichlorofluoromethane	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
1,2,3-Trichloropropane	ND	ug/L	1.0	0.24	EPA-8260B	ND		1
1,2,4-Trimethylbenzene	ND	ug/L	0.50	0.12	EPA-8260B	ND		1
1,3,5-Trimethylbenzene	ND	ug/L	0.50	0.12	EPA-8260B	ND		1
Vinyl chloride	**0.13**	**ug/L**	**0.50**	**0.12**	**EPA-8260B**	ND	**J**	1
Total Xylenes	ND	ug/L	1.0	0.36	EPA-8260B	ND		1
Acetone	ND	ug/L	10	4.6	EPA-8260B	ND		1
Acrolein	ND	ug/L	20	7.9	EPA-8260B	ND		1
Acrylonitrile	ND	ug/L	5.0	1.2	EPA-8260B	ND		1
t-Amyl Methyl ether	ND	ug/L	0.50	0.25	EPA-8260B	ND		1
t-Butyl alcohol	ND	ug/L	10	9.4	EPA-8260B	ND		1
Carbon disulfide	ND	ug/L	1.0	0.38	EPA-8260B	ND		1
trans-1,4-Dichloro-2-butene	ND	ug/L	5.0	1.4	EPA-8260B	ND		1
Diisopropyl ether	ND	ug/L	0.50	0.23	EPA-8260B	ND		1

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Golder Associates
425 Lakeside Drive
Sunnyvale, CA 94085

Reported: 11/06/2012 14:29
Project: John Smith Road LF
Project Number: 053747313
Project Manager: Tom Vercoutere

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1221186-01 | **Client Sample Name:** John Smith, John Smith, EW-1, 10/30/2012 2:21:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
1,4-Dioxane	ND	ug/L	100	42	EPA-8260B	ND		1
Ethyl t-butyl ether	ND	ug/L	0.50	0.18	EPA-8260B	ND		1
2-Hexanone	ND	ug/L	10	3.4	EPA-8260B	ND		1
Methyl ethyl ketone	ND	ug/L	10	2.5	EPA-8260B	ND		1
Methyl iodide	ND	ug/L	2.0	0.47	EPA-8260B	ND		1
Methyl isobutyl ketone	ND	ug/L	10	2.1	EPA-8260B	ND		1
Vinyl acetate	ND	ug/L	10	1.8	EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	112	%	75 - 125 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	100	%	80 - 120 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	89.1	%	80 - 120 (LCL - UCL)		EPA-8260B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	11/03/12	11/05/12 15:50	MGC	MS-V5	1	BVK0295

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Golder Associates
425 Lakeside Drive
Sunnyvale, CA 94085

Reported: 11/06/2012 14:29
Project: John Smith Road LF
Project Number: 053747313
Project Manager: Tom Vercoutere

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1221186-02 | **Client Sample Name:** John Smith, John Smith, EW-2, 10/30/2012 1:01:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	ug/L	0.50	0.083	EPA-8260B	ND		1
Bromobenzene	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
Bromochloromethane	ND	ug/L	0.50	0.24	EPA-8260B	ND		1
Bromodichloromethane	ND	ug/L	0.50	0.14	EPA-8260B	ND		1
Bromoform	ND	ug/L	0.50	0.27	EPA-8260B	ND		1
Bromomethane	ND	ug/L	1.0	0.25	EPA-8260B	ND		1
n-Butylbenzene	ND	ug/L	0.50	0.11	EPA-8260B	ND		1
sec-Butylbenzene	ND	ug/L	0.50	0.15	EPA-8260B	ND		1
tert-Butylbenzene	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
Carbon tetrachloride	ND	ug/L	0.50	0.18	EPA-8260B	ND		1
Chlorobenzene	ND	ug/L	0.50	0.093	EPA-8260B	ND		1
Chloroethane	ND	ug/L	0.50	0.14	EPA-8260B	ND		1
Chloroform	ND	ug/L	0.50	0.12	EPA-8260B	ND		1
Chloromethane	ND	ug/L	0.50	0.14	EPA-8260B	ND		1
2-Chlorotoluene	ND	ug/L	0.50	0.20	EPA-8260B	ND		1
4-Chlorotoluene	ND	ug/L	0.50	0.15	EPA-8260B	ND		1
Dibromochloromethane	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
1,2-Dibromo-3-chloropropane	ND	ug/L	1.0	0.44	EPA-8260B	ND		1
1,2-Dibromoethane	ND	ug/L	0.50	0.16	EPA-8260B	ND		1
Dibromomethane	ND	ug/L	0.50	0.24	EPA-8260B	ND		1
1,2-Dichlorobenzene	ND	ug/L	0.50	0.072	EPA-8260B	ND		1
1,3-Dichlorobenzene	ND	ug/L	0.50	0.15	EPA-8260B	ND		1
1,4-Dichlorobenzene	ND	ug/L	0.50	0.062	EPA-8260B	ND		1
Dichlorodifluoromethane	**0.22**	**ug/L**	**0.50**	**0.099**	**EPA-8260B**	ND	**J**	1
1,1-Dichloroethane	ND	ug/L	0.50	0.11	EPA-8260B	ND		1
1,2-Dichloroethane	ND	ug/L	0.50	0.17	EPA-8260B	ND		1
1,1-Dichloroethene	ND	ug/L	0.50	0.18	EPA-8260B	ND		1
cis-1,2-Dichloroethene	**1.6**	**ug/L**	**0.50**	**0.085**	**EPA-8260B**	ND		1
trans-1,2-Dichloroethene	ND	ug/L	0.50	0.15	EPA-8260B	ND		1
1,2-Dichloropropane	**0.38**	**ug/L**	**0.50**	**0.13**	**EPA-8260B**	ND	**J**	1
1,3-Dichloropropane	ND	ug/L	0.50	0.086	EPA-8260B	ND		1
2,2-Dichloropropane	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
1,1-Dichloropropene	ND	ug/L	0.50	0.085	EPA-8260B	ND		1

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Golder Associates
425 Lakeside Drive
Sunnyvale, CA 94085

Reported: 11/06/2012 14:29
Project: John Smith Road LF
Project Number: 053747313
Project Manager: Tom Vercoutere

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1221186-02 | **Client Sample Name:** John Smith, John Smith, EW-2, 10/30/2012 1:01:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	ug/L	0.50	0.14	EPA-8260B	ND		1
trans-1,3-Dichloropropene	ND	ug/L	0.50	0.079	EPA-8260B	ND		1
Ethylbenzene	ND	ug/L	0.50	0.098	EPA-8260B	ND		1
Hexachlorobutadiene	ND	ug/L	0.50	0.17	EPA-8260B	ND		1
Isopropylbenzene	ND	ug/L	0.50	0.14	EPA-8260B	ND		1
Methylene chloride	ND	ug/L	1.0	0.48	EPA-8260B	ND		1
Methyl t-butyl ether	ND	ug/L	0.50	0.11	EPA-8260B	ND		1
Naphthalene	ND	ug/L	0.50	0.36	EPA-8260B	ND		1
n-Propylbenzene	ND	ug/L	0.50	0.11	EPA-8260B	ND		1
Styrene	ND	ug/L	0.50	0.068	EPA-8260B	ND		1
1,1,1,2-Tetrachloroethane	ND	ug/L	0.50	0.18	EPA-8260B	ND		1
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50	0.17	EPA-8260B	ND		1
Tetrachloroethene	**1.8**	**ug/L**	**0.50**	**0.13**	**EPA-8260B**	ND		1
Toluene	ND	ug/L	0.50	0.093	EPA-8260B	ND		1
1,2,3-Trichlorobenzene	ND	ug/L	0.50	0.16	EPA-8260B	ND		1
1,2,4-Trichlorobenzene	ND	ug/L	0.50	0.19	EPA-8260B	ND		1
1,1,1-Trichloroethane	ND	ug/L	0.50	0.11	EPA-8260B	ND		1
1,1,2-Trichloroethane	ND	ug/L	0.50	0.16	EPA-8260B	ND		1
Trichloroethene	**2.8**	**ug/L**	**0.50**	**0.085**	**EPA-8260B**	ND		1
Trichlorofluoromethane	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
1,2,3-Trichloropropane	ND	ug/L	1.0	0.24	EPA-8260B	ND		1
1,2,4-Trimethylbenzene	ND	ug/L	0.50	0.12	EPA-8260B	ND		1
1,3,5-Trimethylbenzene	ND	ug/L	0.50	0.12	EPA-8260B	ND		1
Vinyl chloride	ND	ug/L	0.50	0.12	EPA-8260B	ND		1
Total Xylenes	ND	ug/L	1.0	0.36	EPA-8260B	ND		1
Acetone	ND	ug/L	10	4.6	EPA-8260B	ND		1
Acrolein	ND	ug/L	20	7.9	EPA-8260B	ND		1
Acrylonitrile	ND	ug/L	5.0	1.2	EPA-8260B	ND		1
t-Amyl Methyl ether	ND	ug/L	0.50	0.25	EPA-8260B	ND		1
t-Butyl alcohol	ND	ug/L	10	9.4	EPA-8260B	ND		1
Carbon disulfide	ND	ug/L	1.0	0.38	EPA-8260B	ND		1
trans-1,4-Dichloro-2-butene	ND	ug/L	5.0	1.4	EPA-8260B	ND		1
Diisopropyl ether	ND	ug/L	0.50	0.23	EPA-8260B	ND		1

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Golder Associates
425 Lakeside Drive
Sunnyvale, CA 94085

Reported: 11/06/2012 14:29
Project: John Smith Road LF
Project Number: 053747313
Project Manager: Tom Vercoutere

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1221186-02 | **Client Sample Name:** John Smith, John Smith, EW-2, 10/30/2012 1:01:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
1,4-Dioxane	ND	ug/L	100	42	EPA-8260B	ND		1
Ethyl t-butyl ether	ND	ug/L	0.50	0.18	EPA-8260B	ND		1
2-Hexanone	ND	ug/L	10	3.4	EPA-8260B	ND		1
Methyl ethyl ketone	ND	ug/L	10	2.5	EPA-8260B	ND		1
Methyl iodide	ND	ug/L	2.0	0.47	EPA-8260B	ND		1
Methyl isobutyl ketone	ND	ug/L	10	2.1	EPA-8260B	ND		1
Vinyl acetate	ND	ug/L	10	1.8	EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	105	%	75 - 125 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	99.5	%	80 - 120 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	88.6	%	80 - 120 (LCL - UCL)		EPA-8260B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	11/03/12	11/05/12 19:13	MGC	MS-V5	1	BVK0295

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Golder Associates
425 Lakeside Drive
Sunnyvale, CA 94085

Reported: 11/06/2012 14:29
Project: John Smith Road LF
Project Number: 053747313
Project Manager: Tom Vercoutere

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1221186-03 | **Client Sample Name:** John Smith, John Smith, EW-3, 10/30/2012 1:21:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	ug/L	0.50	0.083	EPA-8260B	ND		1
Bromobenzene	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
Bromochloromethane	ND	ug/L	0.50	0.24	EPA-8260B	ND		1
Bromodichloromethane	ND	ug/L	0.50	0.14	EPA-8260B	ND		1
Bromoform	ND	ug/L	0.50	0.27	EPA-8260B	ND		1
Bromomethane	ND	ug/L	1.0	0.25	EPA-8260B	ND		1
n-Butylbenzene	ND	ug/L	0.50	0.11	EPA-8260B	ND		1
sec-Butylbenzene	ND	ug/L	0.50	0.15	EPA-8260B	ND		1
tert-Butylbenzene	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
Carbon tetrachloride	ND	ug/L	0.50	0.18	EPA-8260B	ND		1
Chlorobenzene	ND	ug/L	0.50	0.093	EPA-8260B	ND		1
Chloroethane	ND	ug/L	0.50	0.14	EPA-8260B	ND		1
Chloroform	ND	ug/L	0.50	0.12	EPA-8260B	ND		1
Chloromethane	ND	ug/L	0.50	0.14	EPA-8260B	ND		1
2-Chlorotoluene	ND	ug/L	0.50	0.20	EPA-8260B	ND		1
4-Chlorotoluene	ND	ug/L	0.50	0.15	EPA-8260B	ND		1
Dibromochloromethane	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
1,2-Dibromo-3-chloropropane	ND	ug/L	1.0	0.44	EPA-8260B	ND		1
1,2-Dibromoethane	ND	ug/L	0.50	0.16	EPA-8260B	ND		1
Dibromomethane	ND	ug/L	0.50	0.24	EPA-8260B	ND		1
1,2-Dichlorobenzene	ND	ug/L	0.50	0.072	EPA-8260B	ND		1
1,3-Dichlorobenzene	ND	ug/L	0.50	0.15	EPA-8260B	ND		1
1,4-Dichlorobenzene	ND	ug/L	0.50	0.062	EPA-8260B	ND		1
Dichlorodifluoromethane	ND	ug/L	0.50	0.099	EPA-8260B	ND		1
1,1-Dichloroethane	ND	ug/L	0.50	0.11	EPA-8260B	ND		1
1,2-Dichloroethane	ND	ug/L	0.50	0.17	EPA-8260B	ND		1
1,1-Dichloroethene	ND	ug/L	0.50	0.18	EPA-8260B	ND		1
cis-1,2-Dichloroethene	**0.81**	**ug/L**	**0.50**	**0.085**	**EPA-8260B**	ND		1
trans-1,2-Dichloroethene	ND	ug/L	0.50	0.15	EPA-8260B	ND		1
1,2-Dichloropropane	**0.18**	**ug/L**	**0.50**	**0.13**	**EPA-8260B**	ND	**J**	1
1,3-Dichloropropane	ND	ug/L	0.50	0.086	EPA-8260B	ND		1
2,2-Dichloropropane	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
1,1-Dichloropropene	ND	ug/L	0.50	0.085	EPA-8260B	ND		1

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Golder Associates
425 Lakeside Drive
Sunnyvale, CA 94085

Reported: 11/06/2012 14:29
Project: John Smith Road LF
Project Number: 053747313
Project Manager: Tom Vercoutere

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1221186-03 | **Client Sample Name:** John Smith, John Smith, EW-3, 10/30/2012 1:21:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	ug/L	0.50	0.14	EPA-8260B	ND		1
trans-1,3-Dichloropropene	ND	ug/L	0.50	0.079	EPA-8260B	ND		1
Ethylbenzene	ND	ug/L	0.50	0.098	EPA-8260B	ND		1
Hexachlorobutadiene	ND	ug/L	0.50	0.17	EPA-8260B	ND		1
Isopropylbenzene	ND	ug/L	0.50	0.14	EPA-8260B	ND		1
Methylene chloride	ND	ug/L	1.0	0.48	EPA-8260B	ND		1
Methyl t-butyl ether	ND	ug/L	0.50	0.11	EPA-8260B	ND		1
Naphthalene	ND	ug/L	0.50	0.36	EPA-8260B	ND		1
n-Propylbenzene	ND	ug/L	0.50	0.11	EPA-8260B	ND		1
Styrene	ND	ug/L	0.50	0.068	EPA-8260B	ND		1
1,1,1,2-Tetrachloroethane	ND	ug/L	0.50	0.18	EPA-8260B	ND		1
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50	0.17	EPA-8260B	ND		1
Tetrachloroethene	**0.62**	**ug/L**	**0.50**	**0.13**	**EPA-8260B**	ND		1
Toluene	ND	ug/L	0.50	0.093	EPA-8260B	ND		1
1,2,3-Trichlorobenzene	ND	ug/L	0.50	0.16	EPA-8260B	ND		1
1,2,4-Trichlorobenzene	ND	ug/L	0.50	0.19	EPA-8260B	ND		1
1,1,1-Trichloroethane	ND	ug/L	0.50	0.11	EPA-8260B	ND		1
1,1,2-Trichloroethane	ND	ug/L	0.50	0.16	EPA-8260B	ND		1
Trichloroethene	**0.76**	**ug/L**	**0.50**	**0.085**	**EPA-8260B**	ND		1
Trichlorofluoromethane	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
1,2,3-Trichloropropane	ND	ug/L	1.0	0.24	EPA-8260B	ND		1
1,2,4-Trimethylbenzene	ND	ug/L	0.50	0.12	EPA-8260B	ND		1
1,3,5-Trimethylbenzene	ND	ug/L	0.50	0.12	EPA-8260B	ND		1
Vinyl chloride	ND	ug/L	0.50	0.12	EPA-8260B	ND		1
Total Xylenes	ND	ug/L	1.0	0.36	EPA-8260B	ND		1
Acetone	ND	ug/L	10	4.6	EPA-8260B	ND		1
Acrolein	ND	ug/L	20	7.9	EPA-8260B	ND		1
Acrylonitrile	ND	ug/L	5.0	1.2	EPA-8260B	ND		1
t-Amyl Methyl ether	ND	ug/L	0.50	0.25	EPA-8260B	ND		1
t-Butyl alcohol	ND	ug/L	10	9.4	EPA-8260B	ND		1
Carbon disulfide	ND	ug/L	1.0	0.38	EPA-8260B	ND		1
trans-1,4-Dichloro-2-butene	ND	ug/L	5.0	1.4	EPA-8260B	ND		1
Diisopropyl ether	ND	ug/L	0.50	0.23	EPA-8260B	ND		1

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Golder Associates
425 Lakeside Drive
Sunnyvale, CA 94085

Reported: 11/06/2012 14:29
Project: John Smith Road LF
Project Number: 053747313
Project Manager: Tom Vercoutere

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1221186-03 | **Client Sample Name:** John Smith, John Smith, EW-3, 10/30/2012 1:21:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
1,4-Dioxane	ND	ug/L	100	42	EPA-8260B	ND		1
Ethyl t-butyl ether	ND	ug/L	0.50	0.18	EPA-8260B	ND		1
2-Hexanone	ND	ug/L	10	3.4	EPA-8260B	ND		1
Methyl ethyl ketone	ND	ug/L	10	2.5	EPA-8260B	ND		1
Methyl iodide	ND	ug/L	2.0	0.47	EPA-8260B	ND		1
Methyl isobutyl ketone	ND	ug/L	10	2.1	EPA-8260B	ND		1
Vinyl acetate	ND	ug/L	10	1.8	EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	111	%	75 - 125 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	98.8	%	80 - 120 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	89.0	%	80 - 120 (LCL - UCL)		EPA-8260B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	11/03/12	11/05/12 19:35	MGC	MS-V5	1	BVK0295

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Golder Associates
425 Lakeside Drive
Sunnyvale, CA 94085

Reported: 11/06/2012 14:29
Project: John Smith Road LF
Project Number: 053747313
Project Manager: Tom Vercoutere

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1221186-04 | **Client Sample Name:** John Smith, John Smith, EW-4, 10/30/2012 2:31:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	**0.28**	**ug/L**	**0.50**	**0.083**	**EPA-8260B**	ND	**J**	1
Bromobenzene	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
Bromochloromethane	ND	ug/L	0.50	0.24	EPA-8260B	ND		1
Bromodichloromethane	ND	ug/L	0.50	0.14	EPA-8260B	ND		1
Bromoform	ND	ug/L	0.50	0.27	EPA-8260B	ND		1
Bromomethane	ND	ug/L	1.0	0.25	EPA-8260B	ND		1
n-Butylbenzene	ND	ug/L	0.50	0.11	EPA-8260B	ND		1
sec-Butylbenzene	ND	ug/L	0.50	0.15	EPA-8260B	ND		1
tert-Butylbenzene	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
Carbon tetrachloride	ND	ug/L	0.50	0.18	EPA-8260B	ND		1
Chlorobenzene	**2.2**	**ug/L**	**0.50**	**0.093**	**EPA-8260B**	ND		1
Chloroethane	ND	ug/L	0.50	0.14	EPA-8260B	ND		1
Chloroform	ND	ug/L	0.50	0.12	EPA-8260B	ND		1
Chloromethane	ND	ug/L	0.50	0.14	EPA-8260B	ND		1
2-Chlorotoluene	ND	ug/L	0.50	0.20	EPA-8260B	ND		1
4-Chlorotoluene	ND	ug/L	0.50	0.15	EPA-8260B	ND		1
Dibromochloromethane	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
1,2-Dibromo-3-chloropropane	ND	ug/L	1.0	0.44	EPA-8260B	ND		1
1,2-Dibromoethane	ND	ug/L	0.50	0.16	EPA-8260B	ND		1
Dibromomethane	ND	ug/L	0.50	0.24	EPA-8260B	ND		1
1,2-Dichlorobenzene	ND	ug/L	0.50	0.072	EPA-8260B	ND		1
1,3-Dichlorobenzene	ND	ug/L	0.50	0.15	EPA-8260B	ND		1
1,4-Dichlorobenzene	**0.41**	**ug/L**	**0.50**	**0.062**	**EPA-8260B**	ND	**J**	1
Dichlorodifluoromethane	ND	ug/L	0.50	0.099	EPA-8260B	ND		1
1,1-Dichloroethane	**0.38**	**ug/L**	**0.50**	**0.11**	**EPA-8260B**	ND	**J**	1
1,2-Dichloroethane	**0.37**	**ug/L**	**0.50**	**0.17**	**EPA-8260B**	ND	**J**	1
1,1-Dichloroethene	**0.55**	**ug/L**	**0.50**	**0.18**	**EPA-8260B**	ND		1
cis-1,2-Dichloroethene	**16**	**ug/L**	**0.50**	**0.085**	**EPA-8260B**	ND		1
trans-1,2-Dichloroethene	**0.63**	**ug/L**	**0.50**	**0.15**	**EPA-8260B**	ND		1
1,2-Dichloropropane	**2.7**	**ug/L**	**0.50**	**0.13**	**EPA-8260B**	ND		1
1,3-Dichloropropane	ND	ug/L	0.50	0.086	EPA-8260B	ND		1
2,2-Dichloropropane	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
1,1-Dichloropropene	ND	ug/L	0.50	0.085	EPA-8260B	ND		1

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Golder Associates
425 Lakeside Drive
Sunnyvale, CA 94085

Reported: 11/06/2012 14:29
Project: John Smith Road LF
Project Number: 053747313
Project Manager: Tom Vercoutere

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1221186-04 | **Client Sample Name:** John Smith, John Smith, EW-4, 10/30/2012 2:31:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	ug/L	0.50	0.14	EPA-8260B	ND		1
trans-1,3-Dichloropropene	ND	ug/L	0.50	0.079	EPA-8260B	ND		1
Ethylbenzene	ND	ug/L	0.50	0.098	EPA-8260B	ND		1
Hexachlorobutadiene	ND	ug/L	0.50	0.17	EPA-8260B	ND		1
Isopropylbenzene	ND	ug/L	0.50	0.14	EPA-8260B	ND		1
Methylene chloride	ND	ug/L	1.0	0.48	EPA-8260B	ND		1
Methyl t-butyl ether	**0.54**	**ug/L**	**0.50**	**0.11**	**EPA-8260B**	ND		1
Naphthalene	ND	ug/L	0.50	0.36	EPA-8260B	ND		1
n-Propylbenzene	ND	ug/L	0.50	0.11	EPA-8260B	ND		1
Styrene	ND	ug/L	0.50	0.068	EPA-8260B	ND		1
1,1,1,2-Tetrachloroethane	ND	ug/L	0.50	0.18	EPA-8260B	ND		1
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50	0.17	EPA-8260B	ND		1
Tetrachloroethene	**1.2**	**ug/L**	**0.50**	**0.13**	**EPA-8260B**	ND		1
Toluene	ND	ug/L	0.50	0.093	EPA-8260B	ND		1
1,2,3-Trichlorobenzene	ND	ug/L	0.50	0.16	EPA-8260B	ND		1
1,2,4-Trichlorobenzene	ND	ug/L	0.50	0.19	EPA-8260B	ND		1
1,1,1-Trichloroethane	ND	ug/L	0.50	0.11	EPA-8260B	ND		1
1,1,2-Trichloroethane	ND	ug/L	0.50	0.16	EPA-8260B	ND		1
Trichloroethene	**14**	**ug/L**	**0.50**	**0.085**	**EPA-8260B**	ND		1
Trichlorofluoromethane	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
1,2,3-Trichloropropane	ND	ug/L	1.0	0.24	EPA-8260B	ND		1
1,2,4-Trimethylbenzene	ND	ug/L	0.50	0.12	EPA-8260B	ND		1
1,3,5-Trimethylbenzene	ND	ug/L	0.50	0.12	EPA-8260B	ND		1
Vinyl chloride	**2.8**	**ug/L**	**0.50**	**0.12**	**EPA-8260B**	ND		1
Total Xylenes	ND	ug/L	1.0	0.36	EPA-8260B	ND		1
Acetone	ND	ug/L	10	4.6	EPA-8260B	ND		1
Acrolein	ND	ug/L	20	7.9	EPA-8260B	ND		1
Acrylonitrile	ND	ug/L	5.0	1.2	EPA-8260B	ND		1
t-Amyl Methyl ether	ND	ug/L	0.50	0.25	EPA-8260B	ND		1
t-Butyl alcohol	**19**	**ug/L**	**10**	**9.4**	**EPA-8260B**	ND		1
Carbon disulfide	ND	ug/L	1.0	0.38	EPA-8260B	ND		1
trans-1,4-Dichloro-2-butene	ND	ug/L	5.0	1.4	EPA-8260B	ND		1
Diisopropyl ether	ND	ug/L	0.50	0.23	EPA-8260B	ND		1

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Golder Associates
425 Lakeside Drive
Sunnyvale, CA 94085

Reported: 11/06/2012 14:29
Project: John Smith Road LF
Project Number: 053747313
Project Manager: Tom Vercoutere

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1221186-04 | **Client Sample Name:** John Smith, John Smith, EW-4, 10/30/2012 2:31:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
1,4-Dioxane	ND	ug/L	100	42	EPA-8260B	ND		1
Ethyl t-butyl ether	ND	ug/L	0.50	0.18	EPA-8260B	ND		1
2-Hexanone	ND	ug/L	10	3.4	EPA-8260B	ND		1
Methyl ethyl ketone	ND	ug/L	10	2.5	EPA-8260B	ND		1
Methyl iodide	ND	ug/L	2.0	0.47	EPA-8260B	ND		1
Methyl isobutyl ketone	ND	ug/L	10	2.1	EPA-8260B	ND		1
Vinyl acetate	ND	ug/L	10	1.8	EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	109	%	75 - 125 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	98.7	%	80 - 120 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	87.3	%	80 - 120 (LCL - UCL)		EPA-8260B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	11/03/12	11/05/12 19:57	MGC	MS-V5	1	BVK0295

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Golder Associates
425 Lakeside Drive
Sunnyvale, CA 94085

Reported: 11/06/2012 14:29
Project: John Smith Road LF
Project Number: 053747313
Project Manager: Tom Vercoutere

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1221186-05 | **Client Sample Name:** John Smith, John Smith, EW-5, 10/30/2012 2:11:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	ug/L	0.50	0.083	EPA-8260B	ND		1
Bromobenzene	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
Bromochloromethane	ND	ug/L	0.50	0.24	EPA-8260B	ND		1
Bromodichloromethane	ND	ug/L	0.50	0.14	EPA-8260B	ND		1
Bromoform	ND	ug/L	0.50	0.27	EPA-8260B	ND		1
Bromomethane	ND	ug/L	1.0	0.25	EPA-8260B	ND		1
n-Butylbenzene	ND	ug/L	0.50	0.11	EPA-8260B	ND		1
sec-Butylbenzene	ND	ug/L	0.50	0.15	EPA-8260B	ND		1
tert-Butylbenzene	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
Carbon tetrachloride	ND	ug/L	0.50	0.18	EPA-8260B	ND		1
Chlorobenzene	ND	ug/L	0.50	0.093	EPA-8260B	ND		1
Chloroethane	ND	ug/L	0.50	0.14	EPA-8260B	ND		1
Chloroform	ND	ug/L	0.50	0.12	EPA-8260B	ND		1
Chloromethane	ND	ug/L	0.50	0.14	EPA-8260B	ND		1
2-Chlorotoluene	ND	ug/L	0.50	0.20	EPA-8260B	ND		1
4-Chlorotoluene	ND	ug/L	0.50	0.15	EPA-8260B	ND		1
Dibromochloromethane	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
1,2-Dibromo-3-chloropropane	ND	ug/L	1.0	0.44	EPA-8260B	ND		1
1,2-Dibromoethane	ND	ug/L	0.50	0.16	EPA-8260B	ND		1
Dibromomethane	ND	ug/L	0.50	0.24	EPA-8260B	ND		1
1,2-Dichlorobenzene	ND	ug/L	0.50	0.072	EPA-8260B	ND		1
1,3-Dichlorobenzene	ND	ug/L	0.50	0.15	EPA-8260B	ND		1
1,4-Dichlorobenzene	ND	ug/L	0.50	0.062	EPA-8260B	ND		1
Dichlorodifluoromethane	ND	ug/L	0.50	0.099	EPA-8260B	ND		1
1,1-Dichloroethane	ND	ug/L	0.50	0.11	EPA-8260B	ND		1
1,2-Dichloroethane	ND	ug/L	0.50	0.17	EPA-8260B	ND		1
1,1-Dichloroethene	ND	ug/L	0.50	0.18	EPA-8260B	ND		1
cis-1,2-Dichloroethene	**0.64**	**ug/L**	**0.50**	**0.085**	**EPA-8260B**	ND		1
trans-1,2-Dichloroethene	ND	ug/L	0.50	0.15	EPA-8260B	ND		1
1,2-Dichloropropane	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
1,3-Dichloropropane	ND	ug/L	0.50	0.086	EPA-8260B	ND		1
2,2-Dichloropropane	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
1,1-Dichloropropene	ND	ug/L	0.50	0.085	EPA-8260B	ND		1

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Golder Associates
425 Lakeside Drive
Sunnyvale, CA 94085

Reported: 11/06/2012 14:29
Project: John Smith Road LF
Project Number: 053747313
Project Manager: Tom Vercoutere

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1221186-05 | **Client Sample Name:** John Smith, John Smith, EW-5, 10/30/2012 2:11:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	ug/L	0.50	0.14	EPA-8260B	ND		1
trans-1,3-Dichloropropene	ND	ug/L	0.50	0.079	EPA-8260B	ND		1
Ethylbenzene	ND	ug/L	0.50	0.098	EPA-8260B	ND		1
Hexachlorobutadiene	ND	ug/L	0.50	0.17	EPA-8260B	ND		1
Isopropylbenzene	ND	ug/L	0.50	0.14	EPA-8260B	ND		1
Methylene chloride	ND	ug/L	1.0	0.48	EPA-8260B	ND		1
Methyl t-butyl ether	**0.30**	**ug/L**	**0.50**	**0.11**	**EPA-8260B**	ND	**J**	1
Naphthalene	ND	ug/L	0.50	0.36	EPA-8260B	ND		1
n-Propylbenzene	ND	ug/L	0.50	0.11	EPA-8260B	ND		1
Styrene	ND	ug/L	0.50	0.068	EPA-8260B	ND		1
1,1,1,2-Tetrachloroethane	ND	ug/L	0.50	0.18	EPA-8260B	ND		1
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50	0.17	EPA-8260B	ND		1
Tetrachloroethene	**0.14**	**ug/L**	**0.50**	**0.13**	**EPA-8260B**	ND	**J**	1
Toluene	ND	ug/L	0.50	0.093	EPA-8260B	ND		1
1,2,3-Trichlorobenzene	ND	ug/L	0.50	0.16	EPA-8260B	ND		1
1,2,4-Trichlorobenzene	ND	ug/L	0.50	0.19	EPA-8260B	ND		1
1,1,1-Trichloroethane	ND	ug/L	0.50	0.11	EPA-8260B	ND		1
1,1,2-Trichloroethane	ND	ug/L	0.50	0.16	EPA-8260B	ND		1
Trichloroethene	**0.44**	**ug/L**	**0.50**	**0.085**	**EPA-8260B**	ND	**J**	1
Trichlorofluoromethane	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
1,2,3-Trichloropropane	ND	ug/L	1.0	0.24	EPA-8260B	ND		1
1,2,4-Trimethylbenzene	ND	ug/L	0.50	0.12	EPA-8260B	ND		1
1,3,5-Trimethylbenzene	ND	ug/L	0.50	0.12	EPA-8260B	ND		1
Vinyl chloride	ND	ug/L	0.50	0.12	EPA-8260B	ND		1
Total Xylenes	ND	ug/L	1.0	0.36	EPA-8260B	ND		1
Acetone	ND	ug/L	10	4.6	EPA-8260B	ND		1
Acrolein	ND	ug/L	20	7.9	EPA-8260B	ND		1
Acrylonitrile	ND	ug/L	5.0	1.2	EPA-8260B	ND		1
t-Amyl Methyl ether	ND	ug/L	0.50	0.25	EPA-8260B	ND		1
t-Butyl alcohol	ND	ug/L	10	9.4	EPA-8260B	ND		1
Carbon disulfide	ND	ug/L	1.0	0.38	EPA-8260B	ND		1
trans-1,4-Dichloro-2-butene	ND	ug/L	5.0	1.4	EPA-8260B	ND		1
Diisopropyl ether	ND	ug/L	0.50	0.23	EPA-8260B	ND		1

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Golder Associates
425 Lakeside Drive
Sunnyvale, CA 94085

Reported: 11/06/2012 14:29
Project: John Smith Road LF
Project Number: 053747313
Project Manager: Tom Vercoutere

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1221186-05 | **Client Sample Name:** John Smith, John Smith, EW-5, 10/30/2012 2:11:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
1,4-Dioxane	ND	ug/L	100	42	EPA-8260B	ND		1
Ethyl t-butyl ether	ND	ug/L	0.50	0.18	EPA-8260B	ND		1
2-Hexanone	ND	ug/L	10	3.4	EPA-8260B	ND		1
Methyl ethyl ketone	ND	ug/L	10	2.5	EPA-8260B	ND		1
Methyl iodide	ND	ug/L	2.0	0.47	EPA-8260B	ND		1
Methyl isobutyl ketone	ND	ug/L	10	2.1	EPA-8260B	ND		1
Vinyl acetate	ND	ug/L	10	1.8	EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	113	%	75 - 125 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	97.8	%	80 - 120 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	88.5	%	80 - 120 (LCL - UCL)		EPA-8260B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	11/03/12	11/05/12 20:20	MGC	MS-V5	1	BVK0295

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Golder Associates
425 Lakeside Drive
Sunnyvale, CA 94085

Reported: 11/06/2012 14:29
Project: John Smith Road LF
Project Number: 053747313
Project Manager: Tom Vercoutere

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1221186-06 | **Client Sample Name:** John Smith, John Smith, G-32, 10/30/2012 2:41:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	ug/L	0.50	0.083	EPA-8260B	ND		1
Bromobenzene	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
Bromochloromethane	ND	ug/L	0.50	0.24	EPA-8260B	ND		1
Bromodichloromethane	ND	ug/L	0.50	0.14	EPA-8260B	ND		1
Bromoform	ND	ug/L	0.50	0.27	EPA-8260B	ND		1
Bromomethane	ND	ug/L	1.0	0.25	EPA-8260B	ND		1
n-Butylbenzene	ND	ug/L	0.50	0.11	EPA-8260B	ND		1
sec-Butylbenzene	ND	ug/L	0.50	0.15	EPA-8260B	ND		1
tert-Butylbenzene	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
Carbon tetrachloride	ND	ug/L	0.50	0.18	EPA-8260B	ND		1
Chlorobenzene	ND	ug/L	0.50	0.093	EPA-8260B	ND		1
Chloroethane	ND	ug/L	0.50	0.14	EPA-8260B	ND		1
Chloroform	ND	ug/L	0.50	0.12	EPA-8260B	ND		1
Chloromethane	ND	ug/L	0.50	0.14	EPA-8260B	ND		1
2-Chlorotoluene	ND	ug/L	0.50	0.20	EPA-8260B	ND		1
4-Chlorotoluene	ND	ug/L	0.50	0.15	EPA-8260B	ND		1
Dibromochloromethane	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
1,2-Dibromo-3-chloropropane	ND	ug/L	1.0	0.44	EPA-8260B	ND		1
1,2-Dibromoethane	ND	ug/L	0.50	0.16	EPA-8260B	ND		1
Dibromomethane	ND	ug/L	0.50	0.24	EPA-8260B	ND		1
1,2-Dichlorobenzene	ND	ug/L	0.50	0.072	EPA-8260B	ND		1
1,3-Dichlorobenzene	ND	ug/L	0.50	0.15	EPA-8260B	ND		1
1,4-Dichlorobenzene	ND	ug/L	0.50	0.062	EPA-8260B	ND		1
Dichlorodifluoromethane	**0.51**	**ug/L**	**0.50**	**0.099**	**EPA-8260B**	ND		1
1,1-Dichloroethane	**0.23**	**ug/L**	**0.50**	**0.11**	**EPA-8260B**	ND	**J**	1
1,2-Dichloroethane	**0.46**	**ug/L**	**0.50**	**0.17**	**EPA-8260B**	ND	**J**	1
1,1-Dichloroethene	ND	ug/L	0.50	0.18	EPA-8260B	ND		1
cis-1,2-Dichloroethene	**4.6**	**ug/L**	**0.50**	**0.085**	**EPA-8260B**	ND		1
trans-1,2-Dichloroethene	**0.15**	**ug/L**	**0.50**	**0.15**	**EPA-8260B**	ND	**J**	1
1,2-Dichloropropane	**1.5**	**ug/L**	**0.50**	**0.13**	**EPA-8260B**	ND		1
1,3-Dichloropropane	ND	ug/L	0.50	0.086	EPA-8260B	ND		1
2,2-Dichloropropane	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
1,1-Dichloropropene	ND	ug/L	0.50	0.085	EPA-8260B	ND		1

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Golder Associates
425 Lakeside Drive
Sunnyvale, CA 94085

Reported: 11/06/2012 14:29
Project: John Smith Road LF
Project Number: 053747313
Project Manager: Tom Vercoutere

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1221186-06 | **Client Sample Name:** John Smith, John Smith, G-32, 10/30/2012 2:41:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	ug/L	0.50	0.14	EPA-8260B	ND		1
trans-1,3-Dichloropropene	ND	ug/L	0.50	0.079	EPA-8260B	ND		1
Ethylbenzene	ND	ug/L	0.50	0.098	EPA-8260B	ND		1
Hexachlorobutadiene	ND	ug/L	0.50	0.17	EPA-8260B	ND		1
Isopropylbenzene	ND	ug/L	0.50	0.14	EPA-8260B	ND		1
Methylene chloride	ND	ug/L	1.0	0.48	EPA-8260B	ND		1
Methyl t-butyl ether	ND	ug/L	0.50	0.11	EPA-8260B	ND		1
Naphthalene	ND	ug/L	0.50	0.36	EPA-8260B	ND		1
n-Propylbenzene	ND	ug/L	0.50	0.11	EPA-8260B	ND		1
Styrene	ND	ug/L	0.50	0.068	EPA-8260B	ND		1
1,1,1,2-Tetrachloroethane	ND	ug/L	0.50	0.18	EPA-8260B	ND		1
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50	0.17	EPA-8260B	ND		1
Tetrachloroethene	**2.8**	**ug/L**	**0.50**	**0.13**	**EPA-8260B**	ND		1
Toluene	**0.11**	**ug/L**	**0.50**	**0.093**	**EPA-8260B**	ND	**J**	1
1,2,3-Trichlorobenzene	ND	ug/L	0.50	0.16	EPA-8260B	ND		1
1,2,4-Trichlorobenzene	ND	ug/L	0.50	0.19	EPA-8260B	ND		1
1,1,1-Trichloroethane	ND	ug/L	0.50	0.11	EPA-8260B	ND		1
1,1,2-Trichloroethane	ND	ug/L	0.50	0.16	EPA-8260B	ND		1
Trichloroethene	**4.2**	**ug/L**	**0.50**	**0.085**	**EPA-8260B**	ND		1
Trichlorofluoromethane	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
1,2,3-Trichloropropane	ND	ug/L	1.0	0.24	EPA-8260B	ND		1
1,2,4-Trimethylbenzene	ND	ug/L	0.50	0.12	EPA-8260B	ND		1
1,3,5-Trimethylbenzene	ND	ug/L	0.50	0.12	EPA-8260B	ND		1
Vinyl chloride	ND	ug/L	0.50	0.12	EPA-8260B	ND		1
Total Xylenes	ND	ug/L	1.0	0.36	EPA-8260B	ND		1
Acetone	ND	ug/L	10	4.6	EPA-8260B	ND		1
Acrolein	ND	ug/L	20	7.9	EPA-8260B	ND		1
Acrylonitrile	ND	ug/L	5.0	1.2	EPA-8260B	ND		1
t-Amyl Methyl ether	ND	ug/L	0.50	0.25	EPA-8260B	ND		1
t-Butyl alcohol	ND	ug/L	10	9.4	EPA-8260B	ND		1
Carbon disulfide	ND	ug/L	1.0	0.38	EPA-8260B	ND		1
trans-1,4-Dichloro-2-butene	ND	ug/L	5.0	1.4	EPA-8260B	ND		1
Diisopropyl ether	ND	ug/L	0.50	0.23	EPA-8260B	ND		1

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Golder Associates
425 Lakeside Drive
Sunnyvale, CA 94085

Reported: 11/06/2012 14:29
Project: John Smith Road LF
Project Number: 053747313
Project Manager: Tom Vercoutere

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1221186-06 | **Client Sample Name:** John Smith, John Smith, G-32, 10/30/2012 2:41:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
1,4-Dioxane	ND	ug/L	100	42	EPA-8260B	ND		1
Ethyl t-butyl ether	ND	ug/L	0.50	0.18	EPA-8260B	ND		1
2-Hexanone	ND	ug/L	10	3.4	EPA-8260B	ND		1
Methyl ethyl ketone	ND	ug/L	10	2.5	EPA-8260B	ND		1
Methyl iodide	ND	ug/L	2.0	0.47	EPA-8260B	ND		1
Methyl isobutyl ketone	ND	ug/L	10	2.1	EPA-8260B	ND		1
Vinyl acetate	ND	ug/L	10	1.8	EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	114	%	75 - 125 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	99.3	%	80 - 120 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	91.4	%	80 - 120 (LCL - UCL)		EPA-8260B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	11/03/12	11/05/12 20:42	MGC	MS-V5	1	BVK0295

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Golder Associates
425 Lakeside Drive
Sunnyvale, CA 94085

Reported: 11/06/2012 14:29
Project: John Smith Road LF
Project Number: 053747313
Project Manager: Tom Vercoutere

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1221186-07 | **Client Sample Name:** John Smith, John Smith, G-33, 10/30/2012 2:51:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	**0.14**	**ug/L**	**0.50**	**0.083**	**EPA-8260B**	ND	**J**	1
Bromobenzene	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
Bromochloromethane	ND	ug/L	0.50	0.24	EPA-8260B	ND		1
Bromodichloromethane	ND	ug/L	0.50	0.14	EPA-8260B	ND		1
Bromoform	ND	ug/L	0.50	0.27	EPA-8260B	ND		1
Bromomethane	ND	ug/L	1.0	0.25	EPA-8260B	ND		1
n-Butylbenzene	ND	ug/L	0.50	0.11	EPA-8260B	ND		1
sec-Butylbenzene	ND	ug/L	0.50	0.15	EPA-8260B	ND		1
tert-Butylbenzene	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
Carbon tetrachloride	ND	ug/L	0.50	0.18	EPA-8260B	ND		1
Chlorobenzene	ND	ug/L	0.50	0.093	EPA-8260B	ND		1
Chloroethane	ND	ug/L	0.50	0.14	EPA-8260B	ND		1
Chloroform	ND	ug/L	0.50	0.12	EPA-8260B	ND		1
Chloromethane	ND	ug/L	0.50	0.14	EPA-8260B	ND		1
2-Chlorotoluene	ND	ug/L	0.50	0.20	EPA-8260B	ND		1
4-Chlorotoluene	ND	ug/L	0.50	0.15	EPA-8260B	ND		1
Dibromochloromethane	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
1,2-Dibromo-3-chloropropane	ND	ug/L	1.0	0.44	EPA-8260B	ND		1
1,2-Dibromoethane	ND	ug/L	0.50	0.16	EPA-8260B	ND		1
Dibromomethane	ND	ug/L	0.50	0.24	EPA-8260B	ND		1
1,2-Dichlorobenzene	ND	ug/L	0.50	0.072	EPA-8260B	ND		1
1,3-Dichlorobenzene	ND	ug/L	0.50	0.15	EPA-8260B	ND		1
1,4-Dichlorobenzene	ND	ug/L	0.50	0.062	EPA-8260B	ND		1
Dichlorodifluoromethane	**0.22**	**ug/L**	**0.50**	**0.099**	**EPA-8260B**	ND	**J**	1
1,1-Dichloroethane	ND	ug/L	0.50	0.11	EPA-8260B	ND		1
1,2-Dichloroethane	ND	ug/L	0.50	0.17	EPA-8260B	ND		1
1,1-Dichloroethene	ND	ug/L	0.50	0.18	EPA-8260B	ND		1
cis-1,2-Dichloroethene	**1.1**	**ug/L**	**0.50**	**0.085**	**EPA-8260B**	ND		1
trans-1,2-Dichloroethene	ND	ug/L	0.50	0.15	EPA-8260B	ND		1
1,2-Dichloropropane	**0.32**	**ug/L**	**0.50**	**0.13**	**EPA-8260B**	ND	**J**	1
1,3-Dichloropropane	ND	ug/L	0.50	0.086	EPA-8260B	ND		1
2,2-Dichloropropane	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
1,1-Dichloropropene	ND	ug/L	0.50	0.085	EPA-8260B	ND		1

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Golder Associates
425 Lakeside Drive
Sunnyvale, CA 94085

Reported: 11/06/2012 14:29
Project: John Smith Road LF
Project Number: 053747313
Project Manager: Tom Vercoutere

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1221186-07 | **Client Sample Name:** John Smith, John Smith, G-33, 10/30/2012 2:51:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	ug/L	0.50	0.14	EPA-8260B	ND		1
trans-1,3-Dichloropropene	ND	ug/L	0.50	0.079	EPA-8260B	ND		1
Ethylbenzene	ND	ug/L	0.50	0.098	EPA-8260B	ND		1
Hexachlorobutadiene	ND	ug/L	0.50	0.17	EPA-8260B	ND		1
Isopropylbenzene	ND	ug/L	0.50	0.14	EPA-8260B	ND		1
Methylene chloride	ND	ug/L	1.0	0.48	EPA-8260B	ND		1
Methyl t-butyl ether	ND	ug/L	0.50	0.11	EPA-8260B	ND		1
Naphthalene	ND	ug/L	0.50	0.36	EPA-8260B	ND		1
n-Propylbenzene	ND	ug/L	0.50	0.11	EPA-8260B	ND		1
Styrene	ND	ug/L	0.50	0.068	EPA-8260B	ND		1
1,1,1,2-Tetrachloroethane	ND	ug/L	0.50	0.18	EPA-8260B	ND		1
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50	0.17	EPA-8260B	ND		1
Tetrachloroethene	**2.1**	**ug/L**	**0.50**	**0.13**	**EPA-8260B**	ND		1
Toluene	**0.27**	**ug/L**	**0.50**	**0.093**	**EPA-8260B**	ND	**J**	1
1,2,3-Trichlorobenzene	ND	ug/L	0.50	0.16	EPA-8260B	ND		1
1,2,4-Trichlorobenzene	ND	ug/L	0.50	0.19	EPA-8260B	ND		1
1,1,1-Trichloroethane	ND	ug/L	0.50	0.11	EPA-8260B	ND		1
1,1,2-Trichloroethane	ND	ug/L	0.50	0.16	EPA-8260B	ND		1
Trichloroethene	**3.2**	**ug/L**	**0.50**	**0.085**	**EPA-8260B**	ND		1
Trichlorofluoromethane	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
1,2,3-Trichloropropane	ND	ug/L	1.0	0.24	EPA-8260B	ND		1
1,2,4-Trimethylbenzene	ND	ug/L	0.50	0.12	EPA-8260B	ND		1
1,3,5-Trimethylbenzene	ND	ug/L	0.50	0.12	EPA-8260B	ND		1
Vinyl chloride	ND	ug/L	0.50	0.12	EPA-8260B	ND		1
Total Xylenes	ND	ug/L	1.0	0.36	EPA-8260B	ND		1
Acetone	ND	ug/L	10	4.6	EPA-8260B	ND		1
Acrolein	ND	ug/L	20	7.9	EPA-8260B	ND		1
Acrylonitrile	ND	ug/L	5.0	1.2	EPA-8260B	ND		1
t-Amyl Methyl ether	ND	ug/L	0.50	0.25	EPA-8260B	ND		1
t-Butyl alcohol	ND	ug/L	10	9.4	EPA-8260B	ND		1
Carbon disulfide	ND	ug/L	1.0	0.38	EPA-8260B	ND		1
trans-1,4-Dichloro-2-butene	ND	ug/L	5.0	1.4	EPA-8260B	ND		1
Diisopropyl ether	ND	ug/L	0.50	0.23	EPA-8260B	ND		1

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Golder Associates
425 Lakeside Drive
Sunnyvale, CA 94085

Reported: 11/06/2012 14:29
Project: John Smith Road LF
Project Number: 053747313
Project Manager: Tom Vercoutere

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1221186-07 | **Client Sample Name:** John Smith, John Smith, G-33, 10/30/2012 2:51:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
1,4-Dioxane	ND	ug/L	100	42	EPA-8260B	ND		1
Ethyl t-butyl ether	ND	ug/L	0.50	0.18	EPA-8260B	ND		1
2-Hexanone	ND	ug/L	10	3.4	EPA-8260B	ND		1
Methyl ethyl ketone	ND	ug/L	10	2.5	EPA-8260B	ND		1
Methyl iodide	ND	ug/L	2.0	0.47	EPA-8260B	ND		1
Methyl isobutyl ketone	ND	ug/L	10	2.1	EPA-8260B	ND		1
Vinyl acetate	ND	ug/L	10	1.8	EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	114	%	75 - 125 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	97.7	%	80 - 120 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	91.3	%	80 - 120 (LCL - UCL)		EPA-8260B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	11/03/12	11/05/12 21:05	MGC	MS-V5	1	BVK0295

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Golder Associates
425 Lakeside Drive
Sunnyvale, CA 94085

Reported: 11/06/2012 14:29
Project: John Smith Road LF
Project Number: 053747313
Project Manager: Tom Vercoutere

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1221186-08 | **Client Sample Name:** John Smith, John Smith, CP-30, 10/31/2012 1:51:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	ug/L	0.50	0.083	EPA-8260B	ND		1
Bromobenzene	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
Bromochloromethane	ND	ug/L	0.50	0.24	EPA-8260B	ND		1
Bromodichloromethane	ND	ug/L	0.50	0.14	EPA-8260B	ND		1
Bromoform	ND	ug/L	0.50	0.27	EPA-8260B	ND		1
Bromomethane	ND	ug/L	1.0	0.25	EPA-8260B	ND		1
n-Butylbenzene	ND	ug/L	0.50	0.11	EPA-8260B	ND		1
sec-Butylbenzene	ND	ug/L	0.50	0.15	EPA-8260B	ND		1
tert-Butylbenzene	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
Carbon tetrachloride	ND	ug/L	0.50	0.18	EPA-8260B	ND		1
Chlorobenzene	ND	ug/L	0.50	0.093	EPA-8260B	ND		1
Chloroethane	ND	ug/L	0.50	0.14	EPA-8260B	ND		1
Chloroform	ND	ug/L	0.50	0.12	EPA-8260B	ND		1
Chloromethane	ND	ug/L	0.50	0.14	EPA-8260B	ND		1
2-Chlorotoluene	ND	ug/L	0.50	0.20	EPA-8260B	ND		1
4-Chlorotoluene	ND	ug/L	0.50	0.15	EPA-8260B	ND		1
Dibromochloromethane	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
1,2-Dibromo-3-chloropropane	ND	ug/L	1.0	0.44	EPA-8260B	ND		1
1,2-Dibromoethane	ND	ug/L	0.50	0.16	EPA-8260B	ND		1
Dibromomethane	ND	ug/L	0.50	0.24	EPA-8260B	ND		1
1,2-Dichlorobenzene	ND	ug/L	0.50	0.072	EPA-8260B	ND		1
1,3-Dichlorobenzene	ND	ug/L	0.50	0.15	EPA-8260B	ND		1
1,4-Dichlorobenzene	ND	ug/L	0.50	0.062	EPA-8260B	ND		1
Dichlorodifluoromethane	ND	ug/L	0.50	0.099	EPA-8260B	ND		1
1,1-Dichloroethane	ND	ug/L	0.50	0.11	EPA-8260B	ND		1
1,2-Dichloroethane	ND	ug/L	0.50	0.17	EPA-8260B	ND		1
1,1-Dichloroethene	ND	ug/L	0.50	0.18	EPA-8260B	ND		1
cis-1,2-Dichloroethene	ND	ug/L	0.50	0.085	EPA-8260B	ND		1
trans-1,2-Dichloroethene	ND	ug/L	0.50	0.15	EPA-8260B	ND		1
1,2-Dichloropropane	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
1,3-Dichloropropane	ND	ug/L	0.50	0.086	EPA-8260B	ND		1
2,2-Dichloropropane	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
1,1-Dichloropropene	ND	ug/L	0.50	0.085	EPA-8260B	ND		1

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Golder Associates
425 Lakeside Drive
Sunnyvale, CA 94085

Reported: 11/06/2012 14:29
Project: John Smith Road LF
Project Number: 053747313
Project Manager: Tom Vercoutere

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1221186-08 | **Client Sample Name:** John Smith, John Smith, CP-30, 10/31/2012 1:51:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	ug/L	0.50	0.14	EPA-8260B	ND		1
trans-1,3-Dichloropropene	ND	ug/L	0.50	0.079	EPA-8260B	ND		1
Ethylbenzene	ND	ug/L	0.50	0.098	EPA-8260B	ND		1
Hexachlorobutadiene	ND	ug/L	0.50	0.17	EPA-8260B	ND		1
Isopropylbenzene	ND	ug/L	0.50	0.14	EPA-8260B	ND		1
Methylene chloride	ND	ug/L	1.0	0.48	EPA-8260B	ND		1
Methyl t-butyl ether	ND	ug/L	0.50	0.11	EPA-8260B	ND		1
Naphthalene	ND	ug/L	0.50	0.36	EPA-8260B	ND		1
n-Propylbenzene	ND	ug/L	0.50	0.11	EPA-8260B	ND		1
Styrene	ND	ug/L	0.50	0.068	EPA-8260B	ND		1
1,1,1,2-Tetrachloroethane	ND	ug/L	0.50	0.18	EPA-8260B	ND		1
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50	0.17	EPA-8260B	ND		1
Tetrachloroethene	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
Toluene	ND	ug/L	0.50	0.093	EPA-8260B	ND		1
1,2,3-Trichlorobenzene	ND	ug/L	0.50	0.16	EPA-8260B	ND		1
1,2,4-Trichlorobenzene	ND	ug/L	0.50	0.19	EPA-8260B	ND		1
1,1,1-Trichloroethane	ND	ug/L	0.50	0.11	EPA-8260B	ND		1
1,1,2-Trichloroethane	ND	ug/L	0.50	0.16	EPA-8260B	ND		1
Trichloroethene	ND	ug/L	0.50	0.085	EPA-8260B	ND		1
Trichlorofluoromethane	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
1,2,3-Trichloropropane	ND	ug/L	1.0	0.24	EPA-8260B	ND		1
1,2,4-Trimethylbenzene	ND	ug/L	0.50	0.12	EPA-8260B	ND		1
1,3,5-Trimethylbenzene	ND	ug/L	0.50	0.12	EPA-8260B	ND		1
Vinyl chloride	ND	ug/L	0.50	0.12	EPA-8260B	ND		1
Total Xylenes	ND	ug/L	1.0	0.36	EPA-8260B	ND		1
Acetone	ND	ug/L	10	4.6	EPA-8260B	ND		1
Acrolein	ND	ug/L	20	7.9	EPA-8260B	ND		1
Acrylonitrile	ND	ug/L	5.0	1.2	EPA-8260B	ND		1
t-Amyl Methyl ether	ND	ug/L	0.50	0.25	EPA-8260B	ND		1
t-Butyl alcohol	ND	ug/L	10	9.4	EPA-8260B	ND		1
Carbon disulfide	ND	ug/L	1.0	0.38	EPA-8260B	ND		1
trans-1,4-Dichloro-2-butene	ND	ug/L	5.0	1.4	EPA-8260B	ND		1
Diisopropyl ether	ND	ug/L	0.50	0.23	EPA-8260B	ND		1

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Golder Associates
425 Lakeside Drive
Sunnyvale, CA 94085

Reported: 11/06/2012 14:29
Project: John Smith Road LF
Project Number: 053747313
Project Manager: Tom Vercoutere

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1221186-08 | **Client Sample Name:** John Smith, John Smith, CP-30, 10/31/2012 1:51:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
1,4-Dioxane	ND	ug/L	100	42	EPA-8260B	ND		1
Ethyl t-butyl ether	ND	ug/L	0.50	0.18	EPA-8260B	ND		1
2-Hexanone	ND	ug/L	10	3.4	EPA-8260B	ND		1
Methyl ethyl ketone	ND	ug/L	10	2.5	EPA-8260B	ND		1
Methyl iodide	ND	ug/L	2.0	0.47	EPA-8260B	ND		1
Methyl isobutyl ketone	ND	ug/L	10	2.1	EPA-8260B	ND		1
Vinyl acetate	ND	ug/L	10	1.8	EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	113	%	75 - 125 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	97.9	%	80 - 120 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	90.8	%	80 - 120 (LCL - UCL)		EPA-8260B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	11/03/12	11/05/12 21:27	MGC	MS-V5	1	BVK0295

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Golder Associates
425 Lakeside Drive
Sunnyvale, CA 94085

Reported: 11/06/2012 14:29
Project: John Smith Road LF
Project Number: 053747313
Project Manager: Tom Vercoutere

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1221186-09 | **Client Sample Name:** John Smith, John Smith, W-4, 10/31/2012 12:11:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	ug/L	0.50	0.083	EPA-8260B	ND		1
Bromobenzene	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
Bromochloromethane	ND	ug/L	0.50	0.24	EPA-8260B	ND		1
Bromodichloromethane	ND	ug/L	0.50	0.14	EPA-8260B	ND		1
Bromoform	ND	ug/L	0.50	0.27	EPA-8260B	ND		1
Bromomethane	ND	ug/L	1.0	0.25	EPA-8260B	ND		1
n-Butylbenzene	ND	ug/L	0.50	0.11	EPA-8260B	ND		1
sec-Butylbenzene	ND	ug/L	0.50	0.15	EPA-8260B	ND		1
tert-Butylbenzene	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
Carbon tetrachloride	ND	ug/L	0.50	0.18	EPA-8260B	ND		1
Chlorobenzene	ND	ug/L	0.50	0.093	EPA-8260B	ND		1
Chloroethane	ND	ug/L	0.50	0.14	EPA-8260B	ND		1
Chloroform	ND	ug/L	0.50	0.12	EPA-8260B	ND		1
Chloromethane	ND	ug/L	0.50	0.14	EPA-8260B	ND		1
2-Chlorotoluene	ND	ug/L	0.50	0.20	EPA-8260B	ND		1
4-Chlorotoluene	ND	ug/L	0.50	0.15	EPA-8260B	ND		1
Dibromochloromethane	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
1,2-Dibromo-3-chloropropane	ND	ug/L	1.0	0.44	EPA-8260B	ND		1
1,2-Dibromoethane	ND	ug/L	0.50	0.16	EPA-8260B	ND		1
Dibromomethane	ND	ug/L	0.50	0.24	EPA-8260B	ND		1
1,2-Dichlorobenzene	ND	ug/L	0.50	0.072	EPA-8260B	ND		1
1,3-Dichlorobenzene	ND	ug/L	0.50	0.15	EPA-8260B	ND		1
1,4-Dichlorobenzene	ND	ug/L	0.50	0.062	EPA-8260B	ND		1
Dichlorodifluoromethane	ND	ug/L	0.50	0.099	EPA-8260B	ND		1
1,1-Dichloroethane	ND	ug/L	0.50	0.11	EPA-8260B	ND		1
1,2-Dichloroethane	ND	ug/L	0.50	0.17	EPA-8260B	ND		1
1,1-Dichloroethene	ND	ug/L	0.50	0.18	EPA-8260B	ND		1
cis-1,2-Dichloroethene	**0.56**	**ug/L**	**0.50**	**0.085**	**EPA-8260B**	ND		1
trans-1,2-Dichloroethene	ND	ug/L	0.50	0.15	EPA-8260B	ND		1
1,2-Dichloropropane	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
1,3-Dichloropropane	ND	ug/L	0.50	0.086	EPA-8260B	ND		1
2,2-Dichloropropane	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
1,1-Dichloropropene	ND	ug/L	0.50	0.085	EPA-8260B	ND		1

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Golder Associates
425 Lakeside Drive
Sunnyvale, CA 94085

Reported: 11/06/2012 14:29
Project: John Smith Road LF
Project Number: 053747313
Project Manager: Tom Vercoutere

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1221186-09 | **Client Sample Name:** John Smith, John Smith, W-4, 10/31/2012 12:11:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	ug/L	0.50	0.14	EPA-8260B	ND		1
trans-1,3-Dichloropropene	ND	ug/L	0.50	0.079	EPA-8260B	ND		1
Ethylbenzene	ND	ug/L	0.50	0.098	EPA-8260B	ND		1
Hexachlorobutadiene	ND	ug/L	0.50	0.17	EPA-8260B	ND		1
Isopropylbenzene	ND	ug/L	0.50	0.14	EPA-8260B	ND		1
Methylene chloride	ND	ug/L	1.0	0.48	EPA-8260B	ND		1
Methyl t-butyl ether	ND	ug/L	0.50	0.11	EPA-8260B	ND		1
Naphthalene	ND	ug/L	0.50	0.36	EPA-8260B	ND		1
n-Propylbenzene	ND	ug/L	0.50	0.11	EPA-8260B	ND		1
Styrene	ND	ug/L	0.50	0.068	EPA-8260B	ND		1
1,1,1,2-Tetrachloroethane	ND	ug/L	0.50	0.18	EPA-8260B	ND		1
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50	0.17	EPA-8260B	ND		1
Tetrachloroethene	**0.20**	**ug/L**	**0.50**	**0.13**	**EPA-8260B**	ND	**J**	1
Toluene	ND	ug/L	0.50	0.093	EPA-8260B	ND		1
1,2,3-Trichlorobenzene	ND	ug/L	0.50	0.16	EPA-8260B	ND		1
1,2,4-Trichlorobenzene	ND	ug/L	0.50	0.19	EPA-8260B	ND		1
1,1,1-Trichloroethane	ND	ug/L	0.50	0.11	EPA-8260B	ND		1
1,1,2-Trichloroethane	ND	ug/L	0.50	0.16	EPA-8260B	ND		1
Trichloroethene	**0.17**	**ug/L**	**0.50**	**0.085**	**EPA-8260B**	ND	**J**	1
Trichlorofluoromethane	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
1,2,3-Trichloropropane	ND	ug/L	1.0	0.24	EPA-8260B	ND		1
1,2,4-Trimethylbenzene	ND	ug/L	0.50	0.12	EPA-8260B	ND		1
1,3,5-Trimethylbenzene	ND	ug/L	0.50	0.12	EPA-8260B	ND		1
Vinyl chloride	**0.14**	**ug/L**	**0.50**	**0.12**	**EPA-8260B**	ND	**J**	1
Total Xylenes	ND	ug/L	1.0	0.36	EPA-8260B	ND		1
Acetone	ND	ug/L	10	4.6	EPA-8260B	ND		1
Acrolein	ND	ug/L	20	7.9	EPA-8260B	ND		1
Acrylonitrile	ND	ug/L	5.0	1.2	EPA-8260B	ND		1
t-Amyl Methyl ether	ND	ug/L	0.50	0.25	EPA-8260B	ND		1
t-Butyl alcohol	ND	ug/L	10	9.4	EPA-8260B	ND		1
Carbon disulfide	**0.45**	**ug/L**	**1.0**	**0.38**	**EPA-8260B**	ND	**J**	1
trans-1,4-Dichloro-2-butene	ND	ug/L	5.0	1.4	EPA-8260B	ND		1
Diisopropyl ether	ND	ug/L	0.50	0.23	EPA-8260B	ND		1

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Golder Associates
425 Lakeside Drive
Sunnyvale, CA 94085

Reported: 11/06/2012 14:29
Project: John Smith Road LF
Project Number: 053747313
Project Manager: Tom Vercoutere

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1221186-09 | **Client Sample Name:** John Smith, John Smith, W-4, 10/31/2012 12:11:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
1,4-Dioxane	ND	ug/L	100	42	EPA-8260B	ND		1
Ethyl t-butyl ether	ND	ug/L	0.50	0.18	EPA-8260B	ND		1
2-Hexanone	ND	ug/L	10	3.4	EPA-8260B	ND		1
Methyl ethyl ketone	ND	ug/L	10	2.5	EPA-8260B	ND		1
Methyl iodide	ND	ug/L	2.0	0.47	EPA-8260B	ND		1
Methyl isobutyl ketone	ND	ug/L	10	2.1	EPA-8260B	ND		1
Vinyl acetate	ND	ug/L	10	1.8	EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	116	%	75 - 125 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	99.6	%	80 - 120 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	87.2	%	80 - 120 (LCL - UCL)		EPA-8260B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	11/03/12	11/05/12 21:49	MGC	MS-V5	1	BVK0295

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Golder Associates
425 Lakeside Drive
Sunnyvale, CA 94085

Reported: 11/06/2012 14:29
Project: John Smith Road LF
Project Number: 053747313
Project Manager: Tom Vercoutere

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1221186-10 | **Client Sample Name:** John Smith, John Smith, W-5, 10/31/2012 11:01:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	**0.10**	**ug/L**	**0.50**	**0.083**	**EPA-8260B**	ND	**J**	1
Bromobenzene	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
Bromochloromethane	ND	ug/L	0.50	0.24	EPA-8260B	ND		1
Bromodichloromethane	ND	ug/L	0.50	0.14	EPA-8260B	ND		1
Bromoform	ND	ug/L	0.50	0.27	EPA-8260B	ND		1
Bromomethane	ND	ug/L	1.0	0.25	EPA-8260B	ND		1
n-Butylbenzene	ND	ug/L	0.50	0.11	EPA-8260B	ND		1
sec-Butylbenzene	ND	ug/L	0.50	0.15	EPA-8260B	ND		1
tert-Butylbenzene	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
Carbon tetrachloride	ND	ug/L	0.50	0.18	EPA-8260B	ND		1
Chlorobenzene	ND	ug/L	0.50	0.093	EPA-8260B	ND		1
Chloroethane	ND	ug/L	0.50	0.14	EPA-8260B	ND		1
Chloroform	ND	ug/L	0.50	0.12	EPA-8260B	ND		1
Chloromethane	ND	ug/L	0.50	0.14	EPA-8260B	ND		1
2-Chlorotoluene	ND	ug/L	0.50	0.20	EPA-8260B	ND		1
4-Chlorotoluene	ND	ug/L	0.50	0.15	EPA-8260B	ND		1
Dibromochloromethane	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
1,2-Dibromo-3-chloropropane	ND	ug/L	1.0	0.44	EPA-8260B	ND		1
1,2-Dibromoethane	ND	ug/L	0.50	0.16	EPA-8260B	ND		1
Dibromomethane	ND	ug/L	0.50	0.24	EPA-8260B	ND		1
1,2-Dichlorobenzene	ND	ug/L	0.50	0.072	EPA-8260B	ND		1
1,3-Dichlorobenzene	ND	ug/L	0.50	0.15	EPA-8260B	ND		1
1,4-Dichlorobenzene	ND	ug/L	0.50	0.062	EPA-8260B	ND		1
Dichlorodifluoromethane	**0.22**	**ug/L**	**0.50**	**0.099**	**EPA-8260B**	ND	**J**	1
1,1-Dichloroethane	**0.23**	**ug/L**	**0.50**	**0.11**	**EPA-8260B**	ND	**J**	1
1,2-Dichloroethane	ND	ug/L	0.50	0.17	EPA-8260B	ND		1
1,1-Dichloroethene	ND	ug/L	0.50	0.18	EPA-8260B	ND		1
cis-1,2-Dichloroethene	**2.9**	**ug/L**	**0.50**	**0.085**	**EPA-8260B**	ND		1
trans-1,2-Dichloroethene	ND	ug/L	0.50	0.15	EPA-8260B	ND		1
1,2-Dichloropropane	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
1,3-Dichloropropane	ND	ug/L	0.50	0.086	EPA-8260B	ND		1
2,2-Dichloropropane	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
1,1-Dichloropropene	ND	ug/L	0.50	0.085	EPA-8260B	ND		1

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Golder Associates
425 Lakeside Drive
Sunnyvale, CA 94085

Reported: 11/06/2012 14:29
Project: John Smith Road LF
Project Number: 053747313
Project Manager: Tom Vercoutere

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1221186-10 | **Client Sample Name:** John Smith, John Smith, W-5, 10/31/2012 11:01:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	ug/L	0.50	0.14	EPA-8260B	ND		1
trans-1,3-Dichloropropene	ND	ug/L	0.50	0.079	EPA-8260B	ND		1
Ethylbenzene	ND	ug/L	0.50	0.098	EPA-8260B	ND		1
Hexachlorobutadiene	ND	ug/L	0.50	0.17	EPA-8260B	ND		1
Isopropylbenzene	ND	ug/L	0.50	0.14	EPA-8260B	ND		1
Methylene chloride	ND	ug/L	1.0	0.48	EPA-8260B	ND		1
Methyl t-butyl ether	ND	ug/L	0.50	0.11	EPA-8260B	ND		1
Naphthalene	ND	ug/L	0.50	0.36	EPA-8260B	ND		1
n-Propylbenzene	ND	ug/L	0.50	0.11	EPA-8260B	ND		1
Styrene	ND	ug/L	0.50	0.068	EPA-8260B	ND		1
1,1,1,2-Tetrachloroethane	ND	ug/L	0.50	0.18	EPA-8260B	ND		1
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50	0.17	EPA-8260B	ND		1
Tetrachloroethene	**3.9**	**ug/L**	**0.50**	**0.13**	**EPA-8260B**	ND		1
Toluene	ND	ug/L	0.50	0.093	EPA-8260B	ND		1
1,2,3-Trichlorobenzene	ND	ug/L	0.50	0.16	EPA-8260B	ND		1
1,2,4-Trichlorobenzene	ND	ug/L	0.50	0.19	EPA-8260B	ND		1
1,1,1-Trichloroethane	ND	ug/L	0.50	0.11	EPA-8260B	ND		1
1,1,2-Trichloroethane	ND	ug/L	0.50	0.16	EPA-8260B	ND		1
Trichloroethene	**0.75**	**ug/L**	**0.50**	**0.085**	**EPA-8260B**	ND		1
Trichlorofluoromethane	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
1,2,3-Trichloropropane	ND	ug/L	1.0	0.24	EPA-8260B	ND		1
1,2,4-Trimethylbenzene	ND	ug/L	0.50	0.12	EPA-8260B	ND		1
1,3,5-Trimethylbenzene	ND	ug/L	0.50	0.12	EPA-8260B	ND		1
Vinyl chloride	**1.4**	**ug/L**	**0.50**	**0.12**	**EPA-8260B**	ND		1
Total Xylenes	ND	ug/L	1.0	0.36	EPA-8260B	ND		1
Acetone	ND	ug/L	10	4.6	EPA-8260B	ND		1
Acrolein	ND	ug/L	20	7.9	EPA-8260B	ND		1
Acrylonitrile	ND	ug/L	5.0	1.2	EPA-8260B	ND		1
t-Amyl Methyl ether	ND	ug/L	0.50	0.25	EPA-8260B	ND		1
t-Butyl alcohol	ND	ug/L	10	9.4	EPA-8260B	ND		1
Carbon disulfide	ND	ug/L	1.0	0.38	EPA-8260B	ND		1
trans-1,4-Dichloro-2-butene	ND	ug/L	5.0	1.4	EPA-8260B	ND		1
Diisopropyl ether	ND	ug/L	0.50	0.23	EPA-8260B	ND		1

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Golder Associates
425 Lakeside Drive
Sunnyvale, CA 94085

Reported: 11/06/2012 14:29
Project: John Smith Road LF
Project Number: 053747313
Project Manager: Tom Vercoutere

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1221186-10 | **Client Sample Name:** John Smith, John Smith, W-5, 10/31/2012 11:01:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
1,4-Dioxane	ND	ug/L	100	42	EPA-8260B	ND		1
Ethyl t-butyl ether	ND	ug/L	0.50	0.18	EPA-8260B	ND		1
2-Hexanone	ND	ug/L	10	3.4	EPA-8260B	ND		1
Methyl ethyl ketone	ND	ug/L	10	2.5	EPA-8260B	ND		1
Methyl iodide	ND	ug/L	2.0	0.47	EPA-8260B	ND		1
Methyl isobutyl ketone	ND	ug/L	10	2.1	EPA-8260B	ND		1
Vinyl acetate	ND	ug/L	10	1.8	EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	117	%	75 - 125 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	97.6	%	80 - 120 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	88.8	%	80 - 120 (LCL - UCL)		EPA-8260B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	11/03/12	11/05/12 22:12	MGC	MS-V5	1	BVK0295

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Golder Associates
425 Lakeside Drive
Sunnyvale, CA 94085

Reported: 11/06/2012 14:29
Project: John Smith Road LF
Project Number: 053747313
Project Manager: Tom Vercoutere

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1221186-11 | **Client Sample Name:** John Smith, John Smith, W-19, 10/31/2012 1:01:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	ug/L	0.50	0.083	EPA-8260B	ND		1
Bromobenzene	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
Bromochloromethane	ND	ug/L	0.50	0.24	EPA-8260B	ND		1
Bromodichloromethane	ND	ug/L	0.50	0.14	EPA-8260B	ND		1
Bromoform	ND	ug/L	0.50	0.27	EPA-8260B	ND		1
Bromomethane	ND	ug/L	1.0	0.25	EPA-8260B	ND		1
n-Butylbenzene	ND	ug/L	0.50	0.11	EPA-8260B	ND		1
sec-Butylbenzene	ND	ug/L	0.50	0.15	EPA-8260B	ND		1
tert-Butylbenzene	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
Carbon tetrachloride	ND	ug/L	0.50	0.18	EPA-8260B	ND		1
Chlorobenzene	ND	ug/L	0.50	0.093	EPA-8260B	ND		1
Chloroethane	ND	ug/L	0.50	0.14	EPA-8260B	ND		1
Chloroform	ND	ug/L	0.50	0.12	EPA-8260B	ND		1
Chloromethane	ND	ug/L	0.50	0.14	EPA-8260B	ND		1
2-Chlorotoluene	ND	ug/L	0.50	0.20	EPA-8260B	ND		1
4-Chlorotoluene	ND	ug/L	0.50	0.15	EPA-8260B	ND		1
Dibromochloromethane	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
1,2-Dibromo-3-chloropropane	ND	ug/L	1.0	0.44	EPA-8260B	ND		1
1,2-Dibromoethane	ND	ug/L	0.50	0.16	EPA-8260B	ND		1
Dibromomethane	ND	ug/L	0.50	0.24	EPA-8260B	ND		1
1,2-Dichlorobenzene	ND	ug/L	0.50	0.072	EPA-8260B	ND		1
1,3-Dichlorobenzene	ND	ug/L	0.50	0.15	EPA-8260B	ND		1
1,4-Dichlorobenzene	ND	ug/L	0.50	0.062	EPA-8260B	ND		1
Dichlorodifluoromethane	ND	ug/L	0.50	0.099	EPA-8260B	ND		1
1,1-Dichloroethane	ND	ug/L	0.50	0.11	EPA-8260B	ND		1
1,2-Dichloroethane	ND	ug/L	0.50	0.17	EPA-8260B	ND		1
1,1-Dichloroethene	ND	ug/L	0.50	0.18	EPA-8260B	ND		1
cis-1,2-Dichloroethene	ND	ug/L	0.50	0.085	EPA-8260B	ND		1
trans-1,2-Dichloroethene	ND	ug/L	0.50	0.15	EPA-8260B	ND		1
1,2-Dichloropropane	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
1,3-Dichloropropane	ND	ug/L	0.50	0.086	EPA-8260B	ND		1
2,2-Dichloropropane	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
1,1-Dichloropropene	ND	ug/L	0.50	0.085	EPA-8260B	ND		1

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Golder Associates
425 Lakeside Drive
Sunnyvale, CA 94085

Reported: 11/06/2012 14:29
Project: John Smith Road LF
Project Number: 053747313
Project Manager: Tom Vercoutere

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1221186-11 | **Client Sample Name:** John Smith, John Smith, W-19, 10/31/2012 1:01:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	ug/L	0.50	0.14	EPA-8260B	ND		1
trans-1,3-Dichloropropene	ND	ug/L	0.50	0.079	EPA-8260B	ND		1
Ethylbenzene	ND	ug/L	0.50	0.098	EPA-8260B	ND		1
Hexachlorobutadiene	ND	ug/L	0.50	0.17	EPA-8260B	ND		1
Isopropylbenzene	ND	ug/L	0.50	0.14	EPA-8260B	ND		1
Methylene chloride	ND	ug/L	1.0	0.48	EPA-8260B	ND		1
Methyl t-butyl ether	ND	ug/L	0.50	0.11	EPA-8260B	ND		1
Naphthalene	ND	ug/L	0.50	0.36	EPA-8260B	ND		1
n-Propylbenzene	ND	ug/L	0.50	0.11	EPA-8260B	ND		1
Styrene	ND	ug/L	0.50	0.068	EPA-8260B	ND		1
1,1,1,2-Tetrachloroethane	ND	ug/L	0.50	0.18	EPA-8260B	ND		1
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50	0.17	EPA-8260B	ND		1
Tetrachloroethene	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
Toluene	ND	ug/L	0.50	0.093	EPA-8260B	ND		1
1,2,3-Trichlorobenzene	ND	ug/L	0.50	0.16	EPA-8260B	ND		1
1,2,4-Trichlorobenzene	ND	ug/L	0.50	0.19	EPA-8260B	ND		1
1,1,1-Trichloroethane	ND	ug/L	0.50	0.11	EPA-8260B	ND		1
1,1,2-Trichloroethane	ND	ug/L	0.50	0.16	EPA-8260B	ND		1
Trichloroethene	ND	ug/L	0.50	0.085	EPA-8260B	ND		1
Trichlorofluoromethane	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
1,2,3-Trichloropropane	ND	ug/L	1.0	0.24	EPA-8260B	ND		1
1,2,4-Trimethylbenzene	ND	ug/L	0.50	0.12	EPA-8260B	ND		1
1,3,5-Trimethylbenzene	ND	ug/L	0.50	0.12	EPA-8260B	ND		1
Vinyl chloride	ND	ug/L	0.50	0.12	EPA-8260B	ND		1
Total Xylenes	ND	ug/L	1.0	0.36	EPA-8260B	ND		1
Acetone	ND	ug/L	10	4.6	EPA-8260B	ND		1
Acrolein	ND	ug/L	20	7.9	EPA-8260B	ND		1
Acrylonitrile	ND	ug/L	5.0	1.2	EPA-8260B	ND		1
t-Amyl Methyl ether	ND	ug/L	0.50	0.25	EPA-8260B	ND		1
t-Butyl alcohol	ND	ug/L	10	9.4	EPA-8260B	ND		1
Carbon disulfide	ND	ug/L	1.0	0.38	EPA-8260B	ND		1
trans-1,4-Dichloro-2-butene	ND	ug/L	5.0	1.4	EPA-8260B	ND		1
Diisopropyl ether	ND	ug/L	0.50	0.23	EPA-8260B	ND		1

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Golder Associates
425 Lakeside Drive
Sunnyvale, CA 94085

Reported: 11/06/2012 14:29
Project: John Smith Road LF
Project Number: 053747313
Project Manager: Tom Vercoutere

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1221186-11 | **Client Sample Name:** John Smith, John Smith, W-19, 10/31/2012 1:01:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
1,4-Dioxane	ND	ug/L	100	42	EPA-8260B	ND		1
Ethyl t-butyl ether	ND	ug/L	0.50	0.18	EPA-8260B	ND		1
2-Hexanone	ND	ug/L	10	3.4	EPA-8260B	ND		1
Methyl ethyl ketone	ND	ug/L	10	2.5	EPA-8260B	ND		1
Methyl iodide	ND	ug/L	2.0	0.47	EPA-8260B	ND		1
Methyl isobutyl ketone	ND	ug/L	10	2.1	EPA-8260B	ND		1
Vinyl acetate	ND	ug/L	10	1.8	EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	123	%	75 - 125 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	99.2	%	80 - 120 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	93.1	%	80 - 120 (LCL - UCL)		EPA-8260B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	11/03/12	11/05/12 22:34	MGC	MS-V5	1	BVK0295

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Golder Associates
425 Lakeside Drive
Sunnyvale, CA 94085

Reported: 11/06/2012 14:29
Project: John Smith Road LF
Project Number: 053747313
Project Manager: Tom Vercoutere

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1221186-12 | **Client Sample Name:** John Smith, John Smith, DUP-1, 10/31/2012 2:11:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	ug/L	0.50	0.083	EPA-8260B	ND		1
Bromobenzene	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
Bromochloromethane	ND	ug/L	0.50	0.24	EPA-8260B	ND		1
Bromodichloromethane	ND	ug/L	0.50	0.14	EPA-8260B	ND		1
Bromoform	ND	ug/L	0.50	0.27	EPA-8260B	ND		1
Bromomethane	ND	ug/L	1.0	0.25	EPA-8260B	ND		1
n-Butylbenzene	ND	ug/L	0.50	0.11	EPA-8260B	ND		1
sec-Butylbenzene	ND	ug/L	0.50	0.15	EPA-8260B	ND		1
tert-Butylbenzene	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
Carbon tetrachloride	ND	ug/L	0.50	0.18	EPA-8260B	ND		1
Chlorobenzene	ND	ug/L	0.50	0.093	EPA-8260B	ND		1
Chloroethane	ND	ug/L	0.50	0.14	EPA-8260B	ND		1
Chloroform	ND	ug/L	0.50	0.12	EPA-8260B	ND		1
Chloromethane	ND	ug/L	0.50	0.14	EPA-8260B	ND		1
2-Chlorotoluene	ND	ug/L	0.50	0.20	EPA-8260B	ND		1
4-Chlorotoluene	ND	ug/L	0.50	0.15	EPA-8260B	ND		1
Dibromochloromethane	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
1,2-Dibromo-3-chloropropane	ND	ug/L	1.0	0.44	EPA-8260B	ND		1
1,2-Dibromoethane	ND	ug/L	0.50	0.16	EPA-8260B	ND		1
Dibromomethane	ND	ug/L	0.50	0.24	EPA-8260B	ND		1
1,2-Dichlorobenzene	ND	ug/L	0.50	0.072	EPA-8260B	ND		1
1,3-Dichlorobenzene	ND	ug/L	0.50	0.15	EPA-8260B	ND		1
1,4-Dichlorobenzene	ND	ug/L	0.50	0.062	EPA-8260B	ND		1
Dichlorodifluoromethane	ND	ug/L	0.50	0.099	EPA-8260B	ND		1
1,1-Dichloroethane	ND	ug/L	0.50	0.11	EPA-8260B	ND		1
1,2-Dichloroethane	ND	ug/L	0.50	0.17	EPA-8260B	ND		1
1,1-Dichloroethene	ND	ug/L	0.50	0.18	EPA-8260B	ND		1
cis-1,2-Dichloroethene	ND	ug/L	0.50	0.085	EPA-8260B	ND		1
trans-1,2-Dichloroethene	ND	ug/L	0.50	0.15	EPA-8260B	ND		1
1,2-Dichloropropane	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
1,3-Dichloropropane	ND	ug/L	0.50	0.086	EPA-8260B	ND		1
2,2-Dichloropropane	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
1,1-Dichloropropene	ND	ug/L	0.50	0.085	EPA-8260B	ND		1

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Golder Associates
425 Lakeside Drive
Sunnyvale, CA 94085

Reported: 11/06/2012 14:29
Project: John Smith Road LF
Project Number: 053747313
Project Manager: Tom Vercoutere

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1221186-12 | **Client Sample Name:** John Smith, John Smith, DUP-1, 10/31/2012 2:11:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	ug/L	0.50	0.14	EPA-8260B	ND		1
trans-1,3-Dichloropropene	ND	ug/L	0.50	0.079	EPA-8260B	ND		1
Ethylbenzene	ND	ug/L	0.50	0.098	EPA-8260B	ND		1
Hexachlorobutadiene	ND	ug/L	0.50	0.17	EPA-8260B	ND		1
Isopropylbenzene	ND	ug/L	0.50	0.14	EPA-8260B	ND		1
Methylene chloride	ND	ug/L	1.0	0.48	EPA-8260B	ND		1
Methyl t-butyl ether	ND	ug/L	0.50	0.11	EPA-8260B	ND		1
Naphthalene	ND	ug/L	0.50	0.36	EPA-8260B	ND		1
n-Propylbenzene	ND	ug/L	0.50	0.11	EPA-8260B	ND		1
Styrene	ND	ug/L	0.50	0.068	EPA-8260B	ND		1
1,1,1,2-Tetrachloroethane	ND	ug/L	0.50	0.18	EPA-8260B	ND		1
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50	0.17	EPA-8260B	ND		1
Tetrachloroethene	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
Toluene	ND	ug/L	0.50	0.093	EPA-8260B	ND		1
1,2,3-Trichlorobenzene	ND	ug/L	0.50	0.16	EPA-8260B	ND		1
1,2,4-Trichlorobenzene	ND	ug/L	0.50	0.19	EPA-8260B	ND		1
1,1,1-Trichloroethane	ND	ug/L	0.50	0.11	EPA-8260B	ND		1
1,1,2-Trichloroethane	ND	ug/L	0.50	0.16	EPA-8260B	ND		1
Trichloroethene	ND	ug/L	0.50	0.085	EPA-8260B	ND		1
Trichlorofluoromethane	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
1,2,3-Trichloropropane	ND	ug/L	1.0	0.24	EPA-8260B	ND		1
1,2,4-Trimethylbenzene	ND	ug/L	0.50	0.12	EPA-8260B	ND		1
1,3,5-Trimethylbenzene	ND	ug/L	0.50	0.12	EPA-8260B	ND		1
Vinyl chloride	ND	ug/L	0.50	0.12	EPA-8260B	ND		1
Total Xylenes	ND	ug/L	1.0	0.36	EPA-8260B	ND		1
Acetone	ND	ug/L	10	4.6	EPA-8260B	ND		1
Acrolein	ND	ug/L	20	7.9	EPA-8260B	ND		1
Acrylonitrile	ND	ug/L	5.0	1.2	EPA-8260B	ND		1
t-Amyl Methyl ether	ND	ug/L	0.50	0.25	EPA-8260B	ND		1
t-Butyl alcohol	ND	ug/L	10	9.4	EPA-8260B	ND		1
Carbon disulfide	ND	ug/L	1.0	0.38	EPA-8260B	ND		1
trans-1,4-Dichloro-2-butene	ND	ug/L	5.0	1.4	EPA-8260B	ND		1
Diisopropyl ether	ND	ug/L	0.50	0.23	EPA-8260B	ND		1

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Golder Associates
425 Lakeside Drive
Sunnyvale, CA 94085

Reported: 11/06/2012 14:29
Project: John Smith Road LF
Project Number: 053747313
Project Manager: Tom Vercoutere

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1221186-12 | **Client Sample Name:** John Smith, John Smith, DUP-1, 10/31/2012 2:11:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
1,4-Dioxane	ND	ug/L	100	42	EPA-8260B	ND		1
Ethyl t-butyl ether	ND	ug/L	0.50	0.18	EPA-8260B	ND		1
2-Hexanone	ND	ug/L	10	3.4	EPA-8260B	ND		1
Methyl ethyl ketone	ND	ug/L	10	2.5	EPA-8260B	ND		1
Methyl iodide	ND	ug/L	2.0	0.47	EPA-8260B	ND		1
Methyl isobutyl ketone	ND	ug/L	10	2.1	EPA-8260B	ND		1
Vinyl acetate	ND	ug/L	10	1.8	EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	116	%	75 - 125 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	101	%	80 - 120 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	87.8	%	80 - 120 (LCL - UCL)		EPA-8260B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	11/03/12	11/05/12 22:57	MGC	MS-V5	1	BVK0295

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Golder Associates
425 Lakeside Drive
Sunnyvale, CA 94085

Reported: 11/06/2012 14:29
Project: John Smith Road LF
Project Number: 053747313
Project Manager: Tom Vercoutere

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1221186-13 | **Client Sample Name:** John Smith, John Smith, DUP-2, 10/31/2012 11:21:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	**0.10**	**ug/L**	**0.50**	**0.083**	**EPA-8260B**	ND	**J**	1
Bromobenzene	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
Bromochloromethane	ND	ug/L	0.50	0.24	EPA-8260B	ND		1
Bromodichloromethane	ND	ug/L	0.50	0.14	EPA-8260B	ND		1
Bromoform	ND	ug/L	0.50	0.27	EPA-8260B	ND		1
Bromomethane	ND	ug/L	1.0	0.25	EPA-8260B	ND		1
n-Butylbenzene	ND	ug/L	0.50	0.11	EPA-8260B	ND		1
sec-Butylbenzene	ND	ug/L	0.50	0.15	EPA-8260B	ND		1
tert-Butylbenzene	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
Carbon tetrachloride	ND	ug/L	0.50	0.18	EPA-8260B	ND		1
Chlorobenzene	ND	ug/L	0.50	0.093	EPA-8260B	ND		1
Chloroethane	ND	ug/L	0.50	0.14	EPA-8260B	ND		1
Chloroform	ND	ug/L	0.50	0.12	EPA-8260B	ND		1
Chloromethane	ND	ug/L	0.50	0.14	EPA-8260B	ND		1
2-Chlorotoluene	ND	ug/L	0.50	0.20	EPA-8260B	ND		1
4-Chlorotoluene	ND	ug/L	0.50	0.15	EPA-8260B	ND		1
Dibromochloromethane	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
1,2-Dibromo-3-chloropropane	ND	ug/L	1.0	0.44	EPA-8260B	ND		1
1,2-Dibromoethane	ND	ug/L	0.50	0.16	EPA-8260B	ND		1
Dibromomethane	ND	ug/L	0.50	0.24	EPA-8260B	ND		1
1,2-Dichlorobenzene	ND	ug/L	0.50	0.072	EPA-8260B	ND		1
1,3-Dichlorobenzene	ND	ug/L	0.50	0.15	EPA-8260B	ND		1
1,4-Dichlorobenzene	ND	ug/L	0.50	0.062	EPA-8260B	ND		1
Dichlorodifluoromethane	**0.22**	**ug/L**	**0.50**	**0.099**	**EPA-8260B**	ND	**J**	1
1,1-Dichloroethane	**0.27**	**ug/L**	**0.50**	**0.11**	**EPA-8260B**	ND	**J**	1
1,2-Dichloroethane	ND	ug/L	0.50	0.17	EPA-8260B	ND		1
1,1-Dichloroethene	ND	ug/L	0.50	0.18	EPA-8260B	ND		1
cis-1,2-Dichloroethene	**2.9**	**ug/L**	**0.50**	**0.085**	**EPA-8260B**	ND		1
trans-1,2-Dichloroethene	ND	ug/L	0.50	0.15	EPA-8260B	ND		1
1,2-Dichloropropane	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
1,3-Dichloropropane	ND	ug/L	0.50	0.086	EPA-8260B	ND		1
2,2-Dichloropropane	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
1,1-Dichloropropene	ND	ug/L	0.50	0.085	EPA-8260B	ND		1

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Golder Associates
425 Lakeside Drive
Sunnyvale, CA 94085

Reported: 11/06/2012 14:29
Project: John Smith Road LF
Project Number: 053747313
Project Manager: Tom Vercoutere

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1221186-13 | **Client Sample Name:** John Smith, John Smith, DUP-2, 10/31/2012 11:21:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	ug/L	0.50	0.14	EPA-8260B	ND		1
trans-1,3-Dichloropropene	ND	ug/L	0.50	0.079	EPA-8260B	ND		1
Ethylbenzene	ND	ug/L	0.50	0.098	EPA-8260B	ND		1
Hexachlorobutadiene	ND	ug/L	0.50	0.17	EPA-8260B	ND		1
Isopropylbenzene	ND	ug/L	0.50	0.14	EPA-8260B	ND		1
Methylene chloride	ND	ug/L	1.0	0.48	EPA-8260B	ND		1
Methyl t-butyl ether	ND	ug/L	0.50	0.11	EPA-8260B	ND		1
Naphthalene	ND	ug/L	0.50	0.36	EPA-8260B	ND		1
n-Propylbenzene	ND	ug/L	0.50	0.11	EPA-8260B	ND		1
Styrene	ND	ug/L	0.50	0.068	EPA-8260B	ND		1
1,1,1,2-Tetrachloroethane	ND	ug/L	0.50	0.18	EPA-8260B	ND		1
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50	0.17	EPA-8260B	ND		1
Tetrachloroethene	**3.8**	**ug/L**	**0.50**	**0.13**	**EPA-8260B**	ND		1
Toluene	ND	ug/L	0.50	0.093	EPA-8260B	ND		1
1,2,3-Trichlorobenzene	ND	ug/L	0.50	0.16	EPA-8260B	ND		1
1,2,4-Trichlorobenzene	ND	ug/L	0.50	0.19	EPA-8260B	ND		1
1,1,1-Trichloroethane	ND	ug/L	0.50	0.11	EPA-8260B	ND		1
1,1,2-Trichloroethane	ND	ug/L	0.50	0.16	EPA-8260B	ND		1
Trichloroethene	**0.73**	**ug/L**	**0.50**	**0.085**	**EPA-8260B**	ND		1
Trichlorofluoromethane	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
1,2,3-Trichloropropane	ND	ug/L	1.0	0.24	EPA-8260B	ND		1
1,2,4-Trimethylbenzene	ND	ug/L	0.50	0.12	EPA-8260B	ND		1
1,3,5-Trimethylbenzene	ND	ug/L	0.50	0.12	EPA-8260B	ND		1
Vinyl chloride	**1.4**	**ug/L**	**0.50**	**0.12**	**EPA-8260B**	ND		1
Total Xylenes	ND	ug/L	1.0	0.36	EPA-8260B	ND		1
Acetone	ND	ug/L	10	4.6	EPA-8260B	ND		1
Acrolein	ND	ug/L	20	7.9	EPA-8260B	ND		1
Acrylonitrile	ND	ug/L	5.0	1.2	EPA-8260B	ND		1
t-Amyl Methyl ether	ND	ug/L	0.50	0.25	EPA-8260B	ND		1
t-Butyl alcohol	ND	ug/L	10	9.4	EPA-8260B	ND		1
Carbon disulfide	ND	ug/L	1.0	0.38	EPA-8260B	ND		1
trans-1,4-Dichloro-2-butene	ND	ug/L	5.0	1.4	EPA-8260B	ND		1
Diisopropyl ether	ND	ug/L	0.50	0.23	EPA-8260B	ND		1

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Golder Associates
425 Lakeside Drive
Sunnyvale, CA 94085

Reported: 11/06/2012 14:29
Project: John Smith Road LF
Project Number: 053747313
Project Manager: Tom Vercoutere

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1221186-13 | **Client Sample Name:** John Smith, John Smith, DUP-2, 10/31/2012 11:21:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
1,4-Dioxane	ND	ug/L	100	42	EPA-8260B	ND		1
Ethyl t-butyl ether	ND	ug/L	0.50	0.18	EPA-8260B	ND		1
2-Hexanone	ND	ug/L	10	3.4	EPA-8260B	ND		1
Methyl ethyl ketone	ND	ug/L	10	2.5	EPA-8260B	ND		1
Methyl iodide	ND	ug/L	2.0	0.47	EPA-8260B	ND		1
Methyl isobutyl ketone	ND	ug/L	10	2.1	EPA-8260B	ND		1
Vinyl acetate	ND	ug/L	10	1.8	EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	119	%	75 - 125 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	96.4	%	80 - 120 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	90.9	%	80 - 120 (LCL - UCL)		EPA-8260B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	11/03/12	11/05/12 23:19	MGC	MS-V5	1	BVK0295

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Golder Associates
425 Lakeside Drive
Sunnyvale, CA 94085

Reported: 11/06/2012 14:29
Project: John Smith Road LF
Project Number: 053747313
Project Manager: Tom Vercoutere

Volatile Organic Analysis (EPA Method 8260)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: BVK0295						
Benzene	BVK0295-BLK1	ND	ug/L	0.50	0.083	
Bromobenzene	BVK0295-BLK1	ND	ug/L	0.50	0.13	
Bromochloromethane	BVK0295-BLK1	ND	ug/L	0.50	0.24	
Bromodichloromethane	BVK0295-BLK1	ND	ug/L	0.50	0.14	
Bromoform	BVK0295-BLK1	ND	ug/L	0.50	0.27	
Bromomethane	BVK0295-BLK1	ND	ug/L	1.0	0.25	
n-Butylbenzene	BVK0295-BLK1	ND	ug/L	0.50	0.11	
sec-Butylbenzene	BVK0295-BLK1	ND	ug/L	0.50	0.15	
tert-Butylbenzene	BVK0295-BLK1	ND	ug/L	0.50	0.13	
Carbon tetrachloride	BVK0295-BLK1	ND	ug/L	0.50	0.18	
Chlorobenzene	BVK0295-BLK1	ND	ug/L	0.50	0.093	
Chloroethane	BVK0295-BLK1	ND	ug/L	0.50	0.14	
Chloroform	BVK0295-BLK1	ND	ug/L	0.50	0.12	
Chloromethane	BVK0295-BLK1	ND	ug/L	0.50	0.14	
2-Chlorotoluene	BVK0295-BLK1	ND	ug/L	0.50	0.20	
4-Chlorotoluene	BVK0295-BLK1	ND	ug/L	0.50	0.15	
Dibromochloromethane	BVK0295-BLK1	ND	ug/L	0.50	0.13	
1,2-Dibromo-3-chloropropane	BVK0295-BLK1	ND	ug/L	1.0	0.44	
1,2-Dibromoethane	BVK0295-BLK1	ND	ug/L	0.50	0.16	
Dibromomethane	BVK0295-BLK1	ND	ug/L	0.50	0.24	
1,2-Dichlorobenzene	BVK0295-BLK1	ND	ug/L	0.50	0.072	
1,3-Dichlorobenzene	BVK0295-BLK1	ND	ug/L	0.50	0.15	
1,4-Dichlorobenzene	BVK0295-BLK1	ND	ug/L	0.50	0.062	
Dichlorodifluoromethane	BVK0295-BLK1	ND	ug/L	0.50	0.099	
1,1-Dichloroethane	BVK0295-BLK1	ND	ug/L	0.50	0.11	
1,2-Dichloroethane	BVK0295-BLK1	ND	ug/L	0.50	0.17	
1,1-Dichloroethene	BVK0295-BLK1	ND	ug/L	0.50	0.18	
cis-1,2-Dichloroethene	BVK0295-BLK1	ND	ug/L	0.50	0.085	
trans-1,2-Dichloroethene	BVK0295-BLK1	ND	ug/L	0.50	0.15	
1,2-Dichloropropane	BVK0295-BLK1	ND	ug/L	0.50	0.13	
1,3-Dichloropropane	BVK0295-BLK1	ND	ug/L	0.50	0.086	
2,2-Dichloropropane	BVK0295-BLK1	ND	ug/L	0.50	0.13	
1,1-Dichloropropene	BVK0295-BLK1	ND	ug/L	0.50	0.085	
cis-1,3-Dichloropropene	BVK0295-BLK1	ND	ug/L	0.50	0.14	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Golder Associates
425 Lakeside Drive
Sunnyvale, CA 94085

Reported: 11/06/2012 14:29
Project: John Smith Road LF
Project Number: 053747313
Project Manager: Tom Vercoutere

Volatile Organic Analysis (EPA Method 8260)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: BVK0295						
trans-1,3-Dichloropropene	BVK0295-BLK1	ND	ug/L	0.50	0.079	
Ethylbenzene	BVK0295-BLK1	ND	ug/L	0.50	0.098	
Hexachlorobutadiene	BVK0295-BLK1	ND	ug/L	0.50	0.17	
Isopropylbenzene	BVK0295-BLK1	ND	ug/L	0.50	0.14	
Methylene chloride	BVK0295-BLK1	ND	ug/L	1.0	0.48	
Methyl t-butyl ether	BVK0295-BLK1	ND	ug/L	0.50	0.11	
Naphthalene	BVK0295-BLK1	ND	ug/L	0.50	0.36	
n-Propylbenzene	BVK0295-BLK1	ND	ug/L	0.50	0.11	
Styrene	BVK0295-BLK1	ND	ug/L	0.50	0.068	
1,1,1,2-Tetrachloroethane	BVK0295-BLK1	ND	ug/L	0.50	0.18	
1,1,2,2-Tetrachloroethane	BVK0295-BLK1	ND	ug/L	0.50	0.17	
Tetrachloroethene	BVK0295-BLK1	ND	ug/L	0.50	0.13	
Toluene	BVK0295-BLK1	ND	ug/L	0.50	0.093	
1,2,3-Trichlorobenzene	BVK0295-BLK1	ND	ug/L	0.50	0.16	
1,2,4-Trichlorobenzene	BVK0295-BLK1	ND	ug/L	0.50	0.19	
1,1,1-Trichloroethane	BVK0295-BLK1	ND	ug/L	0.50	0.11	
1,1,2-Trichloroethane	BVK0295-BLK1	ND	ug/L	0.50	0.16	
Trichloroethene	BVK0295-BLK1	ND	ug/L	0.50	0.085	
Trichlorofluoromethane	BVK0295-BLK1	ND	ug/L	0.50	0.13	
1,2,3-Trichloropropane	BVK0295-BLK1	ND	ug/L	1.0	0.24	
1,2,4-Trimethylbenzene	BVK0295-BLK1	ND	ug/L	0.50	0.12	
1,3,5-Trimethylbenzene	BVK0295-BLK1	ND	ug/L	0.50	0.12	
Vinyl chloride	BVK0295-BLK1	ND	ug/L	0.50	0.12	
Total Xylenes	BVK0295-BLK1	ND	ug/L	1.0	0.36	
Acetone	BVK0295-BLK1	ND	ug/L	10	4.6	
Acrolein	BVK0295-BLK1	ND	ug/L	20	7.9	
Acrylonitrile	BVK0295-BLK1	ND	ug/L	5.0	1.2	
t-Amyl Methyl ether	BVK0295-BLK1	ND	ug/L	0.50	0.25	
t-Butyl alcohol	BVK0295-BLK1	ND	ug/L	10	9.4	
Carbon disulfide	BVK0295-BLK1	ND	ug/L	1.0	0.38	
trans-1,4-Dichloro-2-butene	BVK0295-BLK1	ND	ug/L	5.0	1.4	
Diisopropyl ether	BVK0295-BLK1	ND	ug/L	0.50	0.23	
1,4-Dioxane	BVK0295-BLK1	ND	ug/L	100	42	
Ethyl t-butyl ether	BVK0295-BLK1	ND	ug/L	0.50	0.18	

Golder Associates
425 Lakeside Drive
Sunnyvale, CA 94085

Reported: 11/06/2012 14:29
Project: John Smith Road LF
Project Number: 053747313
Project Manager: Tom Vercoutere

Volatile Organic Analysis (EPA Method 8260)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: BVK0295						
2-Hexanone	BVK0295-BLK1	ND	ug/L	10	3.4	
Methyl ethyl ketone	BVK0295-BLK1	ND	ug/L	10	2.5	
Methyl iodide	BVK0295-BLK1	ND	ug/L	2.0	0.47	
Methyl isobutyl ketone	BVK0295-BLK1	ND	ug/L	10	2.1	
Vinyl acetate	BVK0295-BLK1	ND	ug/L	10	1.8	
1,2-Dichloroethane-d4 (Surrogate)	BVK0295-BLK1	109	%	75 - 125 (LCL - UCL)		
Toluene-d8 (Surrogate)	BVK0295-BLK1	98.8	%	80 - 120 (LCL - UCL)		
4-Bromofluorobenzene (Surrogate)	BVK0295-BLK1	85.3	%	80 - 120 (LCL - UCL)		

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Golder Associates
425 Lakeside Drive
Sunnyvale, CA 94085

Reported: 11/06/2012 14:29
Project: John Smith Road LF
Project Number: 053747313
Project Manager: Tom Vercoutere

Volatile Organic Analysis (EPA Method 8260)

Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits Percent Recovery	Control Limits RPD	Lab Quals
QC Batch ID: BVK0295										
Benzene	BVK0295-BS1	LCS	24.930	25.000	ug/L	99.7		70 - 130		
Bromodichloromethane	BVK0295-BS1	LCS	25.380	25.000	ug/L	102		70 - 130		
Chlorobenzene	BVK0295-BS1	LCS	23.580	25.000	ug/L	94.3		70 - 130		
Chloroethane	BVK0295-BS1	LCS	26.770	25.000	ug/L	107		70 - 130		
1,4-Dichlorobenzene	BVK0295-BS1	LCS	23.120	25.000	ug/L	92.5		70 - 130		
1,1-Dichloroethane	BVK0295-BS1	LCS	24.890	25.000	ug/L	99.6		70 - 130		
1,1-Dichloroethene	BVK0295-BS1	LCS	25.480	25.000	ug/L	102		70 - 130		
Toluene	BVK0295-BS1	LCS	24.970	25.000	ug/L	99.9		70 - 130		
Trichloroethene	BVK0295-BS1	LCS	23.610	25.000	ug/L	94.4		70 - 130		
1,2-Dichloroethane-d4 (Surrogate)	BVK0295-BS1	LCS	10.720	10.000	ug/L	107		75 - 125		
Toluene-d8 (Surrogate)	BVK0295-BS1	LCS	9.7600	10.000	ug/L	97.6		80 - 120		
4-Bromofluorobenzene (Surrogate)	BVK0295-BS1	LCS	9.8500	10.000	ug/L	98.5		80 - 120		

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Golder Associates
425 Lakeside Drive
Sunnyvale, CA 94085

Reported: 11/06/2012 14:29
Project: John Smith Road LF
Project Number: 053747313
Project Manager: Tom Vercoutere

Volatile Organic Analysis (EPA Method 8260)

Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
QC Batch ID: BVK0295	Used client sample: Y - Description: EW-1, 10/30/2012 14:21										
Benzene	MS	1221186-01	ND	25.390	25.000	ug/L		102		70 - 130	
	MSD	1221186-01	ND	25.510	25.000	ug/L	0.5	102	20	70 - 130	
Bromodichloromethane	MS	1221186-01	ND	25.540	25.000	ug/L		102		70 - 130	
	MSD	1221186-01	ND	25.040	25.000	ug/L	2.0	100	20	70 - 130	
Chlorobenzene	MS	1221186-01	0.12000	24.160	25.000	ug/L		96.2		70 - 130	
	MSD	1221186-01	0.12000	24.340	25.000	ug/L	0.7	96.9	20	70 - 130	
Chloroethane	MS	1221186-01	ND	27.200	25.000	ug/L		109		70 - 130	
	MSD	1221186-01	ND	26.940	25.000	ug/L	1.0	108	20	70 - 130	
1,4-Dichlorobenzene	MS	1221186-01	ND	23.680	25.000	ug/L		94.7		70 - 130	
	MSD	1221186-01	ND	23.460	25.000	ug/L	0.9	93.8	20	70 - 130	
1,1-Dichloroethane	MS	1221186-01	0.18000	25.370	25.000	ug/L		101		70 - 130	
	MSD	1221186-01	0.18000	25.200	25.000	ug/L	0.7	100	20	70 - 130	
1,1-Dichloroethene	MS	1221186-01	ND	25.610	25.000	ug/L		102		70 - 130	
	MSD	1221186-01	ND	25.540	25.000	ug/L	0.3	102	20	70 - 130	
Toluene	MS	1221186-01	ND	25.310	25.000	ug/L		101		70 - 130	
	MSD	1221186-01	ND	25.050	25.000	ug/L	1.0	100	20	70 - 130	
Trichloroethene	MS	1221186-01	3.2800	26.730	25.000	ug/L		93.8		70 - 130	
	MSD	1221186-01	3.2800	26.460	25.000	ug/L	1.0	92.7	20	70 - 130	
1,2-Dichloroethane-d4 (Surrogate)	MS	1221186-01	ND	10.740	10.000	ug/L		107		75 - 125	
	MSD	1221186-01	ND	10.630	10.000	ug/L	1.0	106		75 - 125	
Toluene-d8 (Surrogate)	MS	1221186-01	ND	9.7800	10.000	ug/L		97.8		80 - 120	
	MSD	1221186-01	ND	9.9100	10.000	ug/L	1.3	99.1		80 - 120	
4-Bromofluorobenzene (Surrogate)	MS	1221186-01	ND	10.090	10.000	ug/L		101		80 - 120	
	MSD	1221186-01	ND	10.230	10.000	ug/L	1.4	102		80 - 120	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Golder Associates 425 Lakeside Drive Sunnyvale, CA 94085	**Reported:** 11/06/2012 14:29 Project: John Smith Road LF Project Number: 053747313 Project Manager: Tom Vercoutere

Notes And Definitions

J	Estimated Value (CLP Flag)
MDL	Method Detection Limit
ND	Analyte Not Detected at or above the reporting limit
PQL	Practical Quantitation Limit
RPD	Relative Percent Difference

Date of Report: 11/16/2012

Tom Vercoutere

Golder Associates
425 Lakeside Drive
Sunnyvale, CA 94085

Project: John Smith Road LF
BC Work Order: 1221185
Invoice ID: B134394

Enclosed are the results of analyses for samples received by the laboratory on 11/2/2012. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Linda Phoudamneun

Contact Person: Linda Phoudamneun
Client Service Rep

Authorized Signature

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.
4100 Atlas Court Bakersfield, CA 93308 (661) 327-4911 FAX (661) 327-1918 www.bclabs.com

Table of Contents

Sample Information
Executive Summary - Detections.... 3
Chain of Custody and Cooler Receipt form.... 4
Laboratory / Client Sample Cross Reference.... 6
Sample Results
1221185-01 - CP-25
Volatile Organic Analysis (EPA Method 8260).... 8
Water Analysis (General Chemistry).... 11
1221185-02 - CP-31
Volatile Organic Analysis (EPA Method 8260).... 12
1221185-03 - E-2
Volatile Organic Analysis (EPA Method 8260).... 15
Water Analysis (General Chemistry).... 18
1221185-04 - E-15
Volatile Organic Analysis (EPA Method 8260).... 19
Water Analysis (General Chemistry).... 22
1221185-05 - WA-8
Volatile Organic Analysis (EPA Method 8260).... 23
1221185-06 - WA-10
Volatile Organic Analysis (EPA Method 8260).... 26
Quality Control Reports
Volatile Organic Analysis (EPA Method 8260)
Method Blank Analysis.... 29
Laboratory Control Sample.... 34
Precision and Accuracy.... 35
Water Analysis (General Chemistry)
Method Blank Analysis.... 37
Laboratory Control Sample.... 38
Precision and Accuracy.... 39
Notes
Notes and Definitions.... 40

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Executive Summary - Detections

Constituent	Result	PQL	MDL	Units	Method	Lab Quals
1221185-01 John Smith, John Smith, CP-25, 11/1/2012 12:01:00PM						
Bicarbonate Alkalinity as CaCO3	360	8.2	8.2	mg/L	EPA-310.1	
Chloride	820	5.0	0.66	mg/L	EPA-300.0	A01
Nitrate/Nitrite as N	0.027	0.10	0.010	mg/L	EPA-353.2	J
pH	7.78	0.05	0.05	pH Units	EPA-150.1	S05
Electrical Conductivity @ 25 C	10800	1.00	1.00	umhos/cm	EPA-120.1	
1221185-03 John Smith, John Smith, E-2, 11/1/2012 9:01:00AM						
Bicarbonate Alkalinity as CaCO3	380	8.2	8.2	mg/L	EPA-310.1	
Chloride	340	2.5	0.33	mg/L	EPA-300.0	A01
pH	7.30	0.05	0.05	pH Units	EPA-150.1	S05
Electrical Conductivity @ 25 C	4730	1.00	1.00	umhos/cm	EPA-120.1	
1221185-04 John Smith, John Smith, E-15, 11/1/2012 10:01:00AM						
Dichlorodifluoromethane	0.30	0.50	0.099	ug/L	EPA-8260B	J
Bicarbonate Alkalinity as CaCO3	360	8.2	8.2	mg/L	EPA-310.1	
Chloride	560	2.5	0.33	mg/L	EPA-300.0	A01
Nitrate/Nitrite as N	0.75	0.10	0.010	mg/L	EPA-353.2	
pH	7.42	0.05	0.05	pH Units	EPA-150.1	S05
Electrical Conductivity @ 25 C	5440	1.00	1.00	umhos/cm	EPA-120.1	
1221185-05 John Smith, John Smith, WA-8, 11/1/2012 1:01:00PM						
Dichlorodifluoromethane	0.26	1.0	0.099	ug/L	EPA-8260B	J
cis-1,2-Dichloroethene	0.18	1.0	0.085	ug/L	EPA-8260B	J
Tetrachloroethene	0.16	1.0	0.13	ug/L	EPA-8260B	J
Trichloroethene	0.40	1.0	0.085	ug/L	EPA-8260B	J
1221185-06 John Smith, John Smith, WA-10, 11/1/2012 1:51:00PM						
Dichlorodifluoromethane	0.38	1.0	0.099	ug/L	EPA-8260B	J
cis-1,2-Dichloroethene	0.70	1.0	0.085	ug/L	EPA-8260B	J
Tetrachloroethene	0.73	1.0	0.13	ug/L	EPA-8260B	J
Trichloroethene	0.97	1.0	0.085	ug/L	EPA-8260B	J

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Golder Associates

12-21185

Golder Associates
CHAIN OF CUSTODY

Page 1 of 1
Quotation No.

PROJECT NO.: 0537473 13
SITE NAME: John Smith
SAMPLER(S): Michael Pierce (printed) (signature)
CONTRACT LABORATORY: BC Labs
TURN-AROUND TIME: Standard

ANALYSES: EPA 8260 MTBE/TBA/DIPE/ETBE/TAME; 8260 MTBE, TBA, DIPE, ETBE, TAME, 1,4 dioxane; pH, EC, Chloride, Nitrate + Nitrite - Nitrogen

EDD required? ☑ Yes ☐ No
EDF required? ☑ Yes ☐ No

Sample I.D.	Lab I.D.	Collection Date	Collection Time	Matrix	Depth	Container Info: Type/Vol.	Filter	Preserv.	EPA 8260 MTBE/TBA/DIPE/ETBE/TAME (4 oz vial)	8260 MTBE, TBA, DIPE, ETBE, TAME, 1,4 dioxane (1 L poly)	pH, EC, Chloride, Nitrate + Nitrite - Nitrogen (500 ml poly)		Cont. Qty.	Remarks
						Type/Vol.	Filter	Preserv.						
							N	HCl	N	N	N	N		
GP-25	-1	11/01/12	1201	gw						3	1	1	5	
GP-31	-2		1111						3				3	
E-2	-3		0901							3	1	1	5	
E-15	-4		1001							3	1	1	5	
WA-8	-5		1301						3				3	
WA-10	-6		1351						3				3	

Bill analytical charges directly to San Benito Co.

Report MDL/PQL and J flags

CHK BY: KIQ
DISTRIBUTION: MA
SUB-OUT ☐

Relinquished by: (signature)	Received by: (signature)	Date/Time:
	BINS BCL	11/1/12 1630
11/1/12 BCL via GSO 1820		11/2/12 10:10

SEND RESULTS TO:
Attn: Tom Vercouteren
Golder Associates Inc.
425 Lakeside Drive
Sunnyvale, CA 94085
Phone (408) 220-9223
Fax (408) 220-9224

white: lab copy yellow: project file

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

4100 Atlas Court Bakersfield, CA 93308 (661) 327-4911 FAX (661) 327-1918 www.bclabs.com

Chain of Custody and Cooler Receipt Form for 1221185 Page 2 of 2

BC LABORATORIES INC. COOLER RECEIPT FORM Rev. No. 13 08/17/12 Page __ Of __

Submission #: 12-21185

SHIPPING INFORMATION
Federal Express ☐ UPS ☐ Hand Delivery ☐
BC Lab Field Service ☐ Other ☑ (Specify) GTSO

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

Emissivity: 0.95 Container: Pipe Thermometer ID: 207
Temperature: (A) 5.5 °C / (C) 5.7 °C
Date/Time 11/2/12
Analyst Init MAM 10:10

SAMPLE CONTAINERS	SAMPLE NUMBERS 1	2	3	4	5	6	7	8	9	10
QT GENERAL MINERAL/ GENERAL PHYSICAL	C		C	C						
PT PE UNPRESERVED										
QT INORGANIC CHEMICAL METALS										
PT INORGANIC CHEMICAL METALS										
PT CYANIDE										
PT NITROGEN FORMS										
PT TOTAL SULFIDE										
2oz. NITRATE / NITRITE	B		B	B						
PT TOTAL ORGANIC CARBON										
PT TOX										
PT CHEMICAL OXYGEN DEMAND										
PIA PHENOLICS										
40ml VOA VIAL TRAVEL BLANK										
40ml VOA VIAL	A3	A3	A3	A3	A3	A3				
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 AMBER										
8 OZ. JAR										
32 OZ. JAR										
SOIL SLEEVE										
PCB VIAL										
PLASTIC BAG										
FERROUS IRON										
ENCORE										
SMART KIT										

Comments:
Sample Numbering Completed By: KIQ Date/Time: 11/2/12 10:05
A = Actual / C = Corrected

Golder Associates
425 Lakeside Drive
Sunnyvale, CA 94085

Reported: 11/16/2012 14:14
Project: John Smith Road LF
Project Number: 053747313
Project Manager: Tom Vercoutere

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information			
1221185-01	**COC Number:**	---	**Receive Date:**	11/02/2012 10:10
	Project Number:	John Smith	**Sampling Date:**	11/01/2012 12:01
	Sampling Location:	John Smith	**Sample Depth:**	---
	Sampling Point:	CP-25	**Lab Matrix:**	Water
	Sampled By:	GAMV	**Sample Type:**	Groundwater
			Delivery Work Order:	
			Global ID: L10008478954	
			Location ID (FieldPoint): CP-25	
			Matrix: W	
			Sample QC Type (SACode): CS	
			Cooler ID:	
1221185-02	**COC Number:**	---	**Receive Date:**	11/02/2012 10:10
	Project Number:	John Smith	**Sampling Date:**	11/01/2012 11:11
	Sampling Location:	John Smith	**Sample Depth:**	---
	Sampling Point:	CP-31	**Lab Matrix:**	Water
	Sampled By:	GAMV	**Sample Type:**	Groundwater
			Delivery Work Order:	
			Global ID: L10008478954	
			Location ID (FieldPoint): CP-31	
			Matrix: W	
			Sample QC Type (SACode): CS	
			Cooler ID:	
1221185-03	**COC Number:**	---	**Receive Date:**	11/02/2012 10:10
	Project Number:	John Smith	**Sampling Date:**	11/01/2012 09:01
	Sampling Location:	John Smith	**Sample Depth:**	---
	Sampling Point:	E-2	**Lab Matrix:**	Water
	Sampled By:	GAMV	**Sample Type:**	Groundwater
			Delivery Work Order:	
			Global ID: L10008478954	
			Location ID (FieldPoint): E-2	
			Matrix: W	
			Sample QC Type (SACode): CS	
			Cooler ID:	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Golder Associates
425 Lakeside Drive
Sunnyvale, CA 94085

Reported: 11/16/2012 14:14
Project: John Smith Road LF
Project Number: 053747313
Project Manager: Tom Vercoutere

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information			
1221185-04	**COC Number:**	---	**Receive Date:**	11/02/2012 10:10
	Project Number:	John Smith	**Sampling Date:**	11/01/2012 10:01
	Sampling Location:	John Smith	**Sample Depth:**	---
	Sampling Point:	E-15	**Lab Matrix:**	Water
	Sampled By:	GAMV	**Sample Type:**	Groundwater
			Delivery Work Order:	
			Global ID: L10008478954	
			Location ID (FieldPoint): E-15	
			Matrix: W	
			Sample QC Type (SACode): CS	
			Cooler ID:	
1221185-05	**COC Number:**	---	**Receive Date:**	11/02/2012 10:10
	Project Number:	John Smith	**Sampling Date:**	11/01/2012 13:01
	Sampling Location:	John Smith	**Sample Depth:**	---
	Sampling Point:	WA-8	**Lab Matrix:**	Water
	Sampled By:	GAMV	**Sample Type:**	Groundwater
			Delivery Work Order:	
			Global ID: L10008478954	
			Location ID (FieldPoint): WA-8	
			Matrix: W	
			Sample QC Type (SACode): CS	
			Cooler ID:	
1221185-06	**COC Number:**	---	**Receive Date:**	11/02/2012 10:10
	Project Number:	John Smith	**Sampling Date:**	11/01/2012 13:51
	Sampling Location:	John Smith	**Sample Depth:**	---
	Sampling Point:	WA-10	**Lab Matrix:**	Water
	Sampled By:	GAMV	**Sample Type:**	Groundwater
			Delivery Work Order:	
			Global ID: L10008478954	
			Location ID (FieldPoint): WA-10	
			Matrix: W	
			Sample QC Type (SACode): CS	
			Cooler ID:	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Golder Associates
425 Lakeside Drive
Sunnyvale, CA 94085

Reported: 11/16/2012 14:14
Project: John Smith Road LF
Project Number: 053747313
Project Manager: Tom Vercoutere

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1221185-01 | **Client Sample Name:** John Smith, John Smith, CP-25, 11/1/2012 12:01:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	ug/L	0.50	0.083	EPA-8260B	ND		1
Bromobenzene	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
Bromochloromethane	ND	ug/L	0.50	0.24	EPA-8260B	ND		1
Bromodichloromethane	ND	ug/L	0.50	0.14	EPA-8260B	ND		1
Bromoform	ND	ug/L	0.50	0.27	EPA-8260B	ND		1
Bromomethane	ND	ug/L	1.0	0.25	EPA-8260B	ND		1
n-Butylbenzene	ND	ug/L	0.50	0.11	EPA-8260B	ND		1
sec-Butylbenzene	ND	ug/L	0.50	0.15	EPA-8260B	ND		1
tert-Butylbenzene	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
Carbon tetrachloride	ND	ug/L	0.50	0.18	EPA-8260B	ND		1
Chlorobenzene	ND	ug/L	0.50	0.093	EPA-8260B	ND		1
Chloroethane	ND	ug/L	0.50	0.14	EPA-8260B	ND		1
Chloroform	ND	ug/L	0.50	0.12	EPA-8260B	ND		1
Chloromethane	ND	ug/L	0.50	0.14	EPA-8260B	ND		1
2-Chlorotoluene	ND	ug/L	0.50	0.20	EPA-8260B	ND		1
4-Chlorotoluene	ND	ug/L	0.50	0.15	EPA-8260B	ND		1
Dibromochloromethane	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
1,2-Dibromo-3-chloropropane	ND	ug/L	1.0	0.44	EPA-8260B	ND		1
1,2-Dibromoethane	ND	ug/L	0.50	0.16	EPA-8260B	ND		1
Dibromomethane	ND	ug/L	0.50	0.24	EPA-8260B	ND		1
1,2-Dichlorobenzene	ND	ug/L	0.50	0.072	EPA-8260B	ND		1
1,3-Dichlorobenzene	ND	ug/L	0.50	0.15	EPA-8260B	ND		1
1,4-Dichlorobenzene	ND	ug/L	0.50	0.062	EPA-8260B	ND		1
Dichlorodifluoromethane	ND	ug/L	0.50	0.099	EPA-8260B	ND		1
1,1-Dichloroethane	ND	ug/L	0.50	0.11	EPA-8260B	ND		1
1,2-Dichloroethane	ND	ug/L	0.50	0.17	EPA-8260B	ND		1
1,1-Dichloroethene	ND	ug/L	0.50	0.18	EPA-8260B	ND		1
cis-1,2-Dichloroethene	ND	ug/L	0.50	0.085	EPA-8260B	ND		1
trans-1,2-Dichloroethene	ND	ug/L	0.50	0.15	EPA-8260B	ND		1
1,2-Dichloropropane	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
1,3-Dichloropropane	ND	ug/L	0.50	0.086	EPA-8260B	ND		1
2,2-Dichloropropane	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
1,1-Dichloropropene	ND	ug/L	0.50	0.085	EPA-8260B	ND		1

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Golder Associates
425 Lakeside Drive
Sunnyvale, CA 94085

Reported: 11/16/2012 14:14
Project: John Smith Road LF
Project Number: 053747313
Project Manager: Tom Vercoutere

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1221185-01 | **Client Sample Name:** John Smith, John Smith, CP-25, 11/1/2012 12:01:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	ug/L	0.50	0.14	EPA-8260B	ND		1
trans-1,3-Dichloropropene	ND	ug/L	0.50	0.079	EPA-8260B	ND		1
Ethylbenzene	ND	ug/L	0.50	0.098	EPA-8260B	ND		1
Hexachlorobutadiene	ND	ug/L	0.50	0.17	EPA-8260B	ND		1
Isopropylbenzene	ND	ug/L	0.50	0.14	EPA-8260B	ND		1
Methylene chloride	ND	ug/L	1.0	0.48	EPA-8260B	ND		1
Methyl t-butyl ether	ND	ug/L	0.50	0.11	EPA-8260B	ND		1
Naphthalene	ND	ug/L	0.50	0.36	EPA-8260B	ND		1
n-Propylbenzene	ND	ug/L	0.50	0.11	EPA-8260B	ND		1
Styrene	ND	ug/L	0.50	0.068	EPA-8260B	ND		1
1,1,1,2-Tetrachloroethane	ND	ug/L	0.50	0.18	EPA-8260B	ND		1
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50	0.17	EPA-8260B	ND		1
Tetrachloroethene	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
Toluene	ND	ug/L	0.50	0.093	EPA-8260B	ND		1
1,2,3-Trichlorobenzene	ND	ug/L	0.50	0.16	EPA-8260B	ND		1
1,2,4-Trichlorobenzene	ND	ug/L	0.50	0.19	EPA-8260B	ND		1
1,1,1-Trichloroethane	ND	ug/L	0.50	0.11	EPA-8260B	ND		1
1,1,2-Trichloroethane	ND	ug/L	0.50	0.16	EPA-8260B	ND		1
Trichloroethene	ND	ug/L	0.50	0.085	EPA-8260B	ND		1
Trichlorofluoromethane	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
1,2,3-Trichloropropane	ND	ug/L	1.0	0.24	EPA-8260B	ND		1
1,2,4-Trimethylbenzene	ND	ug/L	0.50	0.12	EPA-8260B	ND		1
1,3,5-Trimethylbenzene	ND	ug/L	0.50	0.12	EPA-8260B	ND		1
Vinyl chloride	ND	ug/L	0.50	0.12	EPA-8260B	ND		1
Total Xylenes	ND	ug/L	1.0	0.36	EPA-8260B	ND		1
Acetone	ND	ug/L	10	4.6	EPA-8260B	ND		1
Acrolein	ND	ug/L	20	7.9	EPA-8260B	ND		1
Acrylonitrile	ND	ug/L	5.0	1.2	EPA-8260B	ND		1
t-Amyl Methyl ether	ND	ug/L	0.50	0.25	EPA-8260B	ND		1
t-Butyl alcohol	ND	ug/L	10	9.4	EPA-8260B	ND		1
Carbon disulfide	ND	ug/L	1.0	0.38	EPA-8260B	ND		1
trans-1,4-Dichloro-2-butene	ND	ug/L	5.0	1.4	EPA-8260B	ND		1
Diisopropyl ether	ND	ug/L	0.50	0.23	EPA-8260B	ND		1

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Golder Associates
425 Lakeside Drive
Sunnyvale, CA 94085

Reported: 11/16/2012 14:14
Project: John Smith Road LF
Project Number: 053747313
Project Manager: Tom Vercoutere

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1221185-01 | **Client Sample Name:** John Smith, John Smith, CP-25, 11/1/2012 12:01:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
1,4-Dioxane	ND	ug/L	100	42	EPA-8260B	ND		1
Ethyl t-butyl ether	ND	ug/L	0.50	0.18	EPA-8260B	ND		1
2-Hexanone	ND	ug/L	10	3.4	EPA-8260B	ND		1
Methyl ethyl ketone	ND	ug/L	10	2.5	EPA-8260B	ND		1
Methyl iodide	ND	ug/L	2.0	0.47	EPA-8260B	ND		1
Methyl isobutyl ketone	ND	ug/L	10	2.1	EPA-8260B	ND		1
Vinyl acetate	ND	ug/L	10	1.8	EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	125	%	75 - 125 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	100	%	80 - 120 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	88.9	%	80 - 120 (LCL - UCL)		EPA-8260B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	11/06/12	11/08/12 09:00	MGC	MS-V5	1	BVK0391

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Golder Associates
425 Lakeside Drive
Sunnyvale, CA 94085

Reported: 11/16/2012 14:14
Project: John Smith Road LF
Project Number: 053747313
Project Manager: Tom Vercoutere

Water Analysis (General Chemistry)

BCL Sample ID: 1221185-01 | **Client Sample Name:** John Smith, John Smith, CP-25, 11/1/2012 12:01:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Bicarbonate Alkalinity as CaCO3	**360**	**mg/L**	**8.2**	**8.2**	**EPA-310.1**	ND		1
Chloride	**820**	**mg/L**	**5.0**	**0.66**	**EPA-300.0**	1.6	**A01**	2
Nitrate/Nitrite as N	**0.027**	**mg/L**	**0.10**	**0.010**	**EPA-353.2**	ND	**J**	3
pH	**7.78**	**pH Units**	**0.05**	**0.05**	**EPA-150.1**		**S05**	4
Electrical Conductivity @ 25 C	**10800**	**umhos/cm**	**1.00**	**1.00**	**EPA-120.1**			5

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-310.1	11/06/12	11/06/12 18:00	RML	MET-1	2	BVK0406
2	EPA-300.0	11/06/12	11/06/12 13:54	LD1	IC1	10	BVK0389
3	EPA-353.2	11/06/12	11/07/12 10:52	SDU	SC-1	1	BVK0361
4	EPA-150.1	11/06/12	11/06/12 18:00	RML	MET-1	1	BVK0406
5	EPA-120.1	11/06/12	11/06/12 18:00	RML	MET-1	1	BVK0406

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Golder Associates
425 Lakeside Drive
Sunnyvale, CA 94085

Reported: 11/16/2012 14:14
Project: John Smith Road LF
Project Number: 053747313
Project Manager: Tom Vercoutere

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1221185-02 | **Client Sample Name:** John Smith, John Smith, CP-31, 11/1/2012 11:11:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	ug/L	1.0	0.083	EPA-8260B	ND		1
Bromobenzene	ND	ug/L	1.0	0.13	EPA-8260B	ND		1
Bromochloromethane	ND	ug/L	1.0	0.24	EPA-8260B	ND		1
Bromodichloromethane	ND	ug/L	1.0	0.14	EPA-8260B	ND		1
Bromoform	ND	ug/L	1.0	0.27	EPA-8260B	ND		1
Bromomethane	ND	ug/L	1.0	0.25	EPA-8260B	ND		1
n-Butylbenzene	ND	ug/L	1.0	0.11	EPA-8260B	ND		1
sec-Butylbenzene	ND	ug/L	1.0	0.15	EPA-8260B	ND		1
tert-Butylbenzene	ND	ug/L	1.0	0.13	EPA-8260B	ND		1
Carbon tetrachloride	ND	ug/L	1.0	0.18	EPA-8260B	ND		1
Chlorobenzene	ND	ug/L	1.0	0.093	EPA-8260B	ND		1
Chloroethane	ND	ug/L	1.0	0.14	EPA-8260B	ND		1
Chloroform	ND	ug/L	1.0	0.12	EPA-8260B	ND		1
Chloromethane	ND	ug/L	1.0	0.14	EPA-8260B	ND		1
2-Chlorotoluene	ND	ug/L	1.0	0.20	EPA-8260B	ND		1
4-Chlorotoluene	ND	ug/L	1.0	0.15	EPA-8260B	ND		1
Dibromochloromethane	ND	ug/L	1.0	0.13	EPA-8260B	ND		1
1,2-Dibromo-3-chloropropane	ND	ug/L	1.0	0.44	EPA-8260B	ND		1
1,2-Dibromoethane	ND	ug/L	1.0	0.16	EPA-8260B	ND		1
Dibromomethane	ND	ug/L	1.0	0.24	EPA-8260B	ND		1
1,2-Dichlorobenzene	ND	ug/L	1.0	0.072	EPA-8260B	ND		1
1,3-Dichlorobenzene	ND	ug/L	1.0	0.15	EPA-8260B	ND		1
1,4-Dichlorobenzene	ND	ug/L	1.0	0.062	EPA-8260B	ND		1
Dichlorodifluoromethane	ND	ug/L	1.0	0.099	EPA-8260B	ND		1
1,1-Dichloroethane	ND	ug/L	1.0	0.11	EPA-8260B	ND		1
1,2-Dichloroethane	ND	ug/L	1.0	0.17	EPA-8260B	ND		1
1,1-Dichloroethene	ND	ug/L	1.0	0.18	EPA-8260B	ND		1
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.085	EPA-8260B	ND		1
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.15	EPA-8260B	ND		1
1,2-Dichloropropane	ND	ug/L	1.0	0.13	EPA-8260B	ND		1
1,3-Dichloropropane	ND	ug/L	1.0	0.086	EPA-8260B	ND		1
2,2-Dichloropropane	ND	ug/L	1.0	0.13	EPA-8260B	ND		1
1,1-Dichloropropene	ND	ug/L	1.0	0.085	EPA-8260B	ND		1

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Golder Associates
425 Lakeside Drive
Sunnyvale, CA 94085

Reported: 11/16/2012 14:14
Project: John Smith Road LF
Project Number: 053747313
Project Manager: Tom Vercoutere

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1221185-02 | **Client Sample Name:** John Smith, John Smith, CP-31, 11/1/2012 11:11:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.14	EPA-8260B	ND		1
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.079	EPA-8260B	ND		1
Ethylbenzene	ND	ug/L	1.0	0.098	EPA-8260B	ND		1
Hexachlorobutadiene	ND	ug/L	1.0	0.17	EPA-8260B	ND		1
Isopropylbenzene	ND	ug/L	1.0	0.14	EPA-8260B	ND		1
Methylene chloride	ND	ug/L	1.0	0.48	EPA-8260B	ND		1
Methyl t-butyl ether	ND	ug/L	1.0	0.11	EPA-8260B	ND		1
Naphthalene	ND	ug/L	1.0	0.36	EPA-8260B	ND		1
n-Propylbenzene	ND	ug/L	1.0	0.11	EPA-8260B	ND		1
Styrene	ND	ug/L	1.0	0.068	EPA-8260B	ND		1
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.18	EPA-8260B	ND		1
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.17	EPA-8260B	ND		1
Tetrachloroethene	ND	ug/L	1.0	0.13	EPA-8260B	ND		1
Toluene	ND	ug/L	1.0	0.093	EPA-8260B	ND		1
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.16	EPA-8260B	ND		1
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.19	EPA-8260B	ND		1
1,1,1-Trichloroethane	ND	ug/L	1.0	0.11	EPA-8260B	ND		1
1,1,2-Trichloroethane	ND	ug/L	1.0	0.16	EPA-8260B	ND		1
Trichloroethene	ND	ug/L	1.0	0.085	EPA-8260B	ND		1
Trichlorofluoromethane	ND	ug/L	1.0	0.13	EPA-8260B	ND		1
1,2,3-Trichloropropane	ND	ug/L	1.0	0.24	EPA-8260B	ND		1
1,2,4-Trimethylbenzene	ND	ug/L	1.0	0.12	EPA-8260B	ND		1
1,3,5-Trimethylbenzene	ND	ug/L	1.0	0.12	EPA-8260B	ND		1
Vinyl chloride	ND	ug/L	1.0	0.12	EPA-8260B	ND		1
Total Xylenes	ND	ug/L	1.0	0.36	EPA-8260B	ND		1
Acetone	ND	ug/L	10	4.6	EPA-8260B	ND		1
Acrolein	ND	ug/L	20	7.9	EPA-8260B	ND		1
Acrylonitrile	ND	ug/L	5.0	1.2	EPA-8260B	ND		1
t-Amyl Methyl ether	ND	ug/L	1.0	0.25	EPA-8260B	ND		1
t-Butyl alcohol	ND	ug/L	10	9.4	EPA-8260B	ND		1
Carbon disulfide	ND	ug/L	1.0	0.38	EPA-8260B	ND		1
trans-1,4-Dichloro-2-butene	ND	ug/L	5.0	1.4	EPA-8260B	ND		1
Diisopropyl ether	ND	ug/L	1.0	0.23	EPA-8260B	ND		1

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Golder Associates
425 Lakeside Drive
Sunnyvale, CA 94085

Reported: 11/16/2012 14:14
Project: John Smith Road LF
Project Number: 053747313
Project Manager: Tom Vercoutere

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1221185-02 | **Client Sample Name:** John Smith, John Smith, CP-31, 11/1/2012 11:11:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Ethyl t-butyl ether	ND	ug/L	1.0	0.18	EPA-8260B	ND		1
2-Hexanone	ND	ug/L	20	3.4	EPA-8260B	ND		1
Methyl ethyl ketone	ND	ug/L	10	2.5	EPA-8260B	ND		1
Methyl iodide	ND	ug/L	20	0.47	EPA-8260B	ND		1
Methyl isobutyl ketone	ND	ug/L	10	2.1	EPA-8260B	ND		1
Vinyl acetate	ND	ug/L	10	1.8	EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	122	%	75 - 125 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	97.3	%	80 - 120 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	90.1	%	80 - 120 (LCL - UCL)		EPA-8260B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	11/06/12	11/08/12 09:23	MGC	MS-V5	1	BVK0391

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Golder Associates
425 Lakeside Drive
Sunnyvale, CA 94085

Reported: 11/16/2012 14:14
Project: John Smith Road LF
Project Number: 053747313
Project Manager: Tom Vercoutere

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1221185-03 | **Client Sample Name:** John Smith, John Smith, E-2, 11/1/2012 9:01:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	ug/L	0.50	0.083	EPA-8260B	ND		1
Bromobenzene	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
Bromochloromethane	ND	ug/L	0.50	0.24	EPA-8260B	ND		1
Bromodichloromethane	ND	ug/L	0.50	0.14	EPA-8260B	ND		1
Bromoform	ND	ug/L	0.50	0.27	EPA-8260B	ND		1
Bromomethane	ND	ug/L	1.0	0.25	EPA-8260B	ND		1
n-Butylbenzene	ND	ug/L	0.50	0.11	EPA-8260B	ND		1
sec-Butylbenzene	ND	ug/L	0.50	0.15	EPA-8260B	ND		1
tert-Butylbenzene	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
Carbon tetrachloride	ND	ug/L	0.50	0.18	EPA-8260B	ND		1
Chlorobenzene	ND	ug/L	0.50	0.093	EPA-8260B	ND		1
Chloroethane	ND	ug/L	0.50	0.14	EPA-8260B	ND		1
Chloroform	ND	ug/L	0.50	0.12	EPA-8260B	ND		1
Chloromethane	ND	ug/L	0.50	0.14	EPA-8260B	ND		1
2-Chlorotoluene	ND	ug/L	0.50	0.20	EPA-8260B	ND		1
4-Chlorotoluene	ND	ug/L	0.50	0.15	EPA-8260B	ND		1
Dibromochloromethane	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
1,2-Dibromo-3-chloropropane	ND	ug/L	1.0	0.44	EPA-8260B	ND		1
1,2-Dibromoethane	ND	ug/L	0.50	0.16	EPA-8260B	ND		1
Dibromomethane	ND	ug/L	0.50	0.24	EPA-8260B	ND		1
1,2-Dichlorobenzene	ND	ug/L	0.50	0.072	EPA-8260B	ND		1
1,3-Dichlorobenzene	ND	ug/L	0.50	0.15	EPA-8260B	ND		1
1,4-Dichlorobenzene	ND	ug/L	0.50	0.062	EPA-8260B	ND		1
Dichlorodifluoromethane	ND	ug/L	0.50	0.099	EPA-8260B	ND		1
1,1-Dichloroethane	ND	ug/L	0.50	0.11	EPA-8260B	ND		1
1,2-Dichloroethane	ND	ug/L	0.50	0.17	EPA-8260B	ND		1
1,1-Dichloroethene	ND	ug/L	0.50	0.18	EPA-8260B	ND		1
cis-1,2-Dichloroethene	ND	ug/L	0.50	0.085	EPA-8260B	ND		1
trans-1,2-Dichloroethene	ND	ug/L	0.50	0.15	EPA-8260B	ND		1
1,2-Dichloropropane	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
1,3-Dichloropropane	ND	ug/L	0.50	0.086	EPA-8260B	ND		1
2,2-Dichloropropane	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
1,1-Dichloropropene	ND	ug/L	0.50	0.085	EPA-8260B	ND		1

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Golder Associates
425 Lakeside Drive
Sunnyvale, CA 94085

Reported: 11/16/2012 14:14
Project: John Smith Road LF
Project Number: 053747313
Project Manager: Tom Vercoutere

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1221185-03 | **Client Sample Name:** John Smith, John Smith, E-2, 11/1/2012 9:01:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	ug/L	0.50	0.14	EPA-8260B	ND		1
trans-1,3-Dichloropropene	ND	ug/L	0.50	0.079	EPA-8260B	ND		1
Ethylbenzene	ND	ug/L	0.50	0.098	EPA-8260B	ND		1
Hexachlorobutadiene	ND	ug/L	0.50	0.17	EPA-8260B	ND		1
Isopropylbenzene	ND	ug/L	0.50	0.14	EPA-8260B	ND		1
Methylene chloride	ND	ug/L	1.0	0.48	EPA-8260B	ND		1
Methyl t-butyl ether	ND	ug/L	0.50	0.11	EPA-8260B	ND		1
Naphthalene	ND	ug/L	0.50	0.36	EPA-8260B	ND		1
n-Propylbenzene	ND	ug/L	0.50	0.11	EPA-8260B	ND		1
Styrene	ND	ug/L	0.50	0.068	EPA-8260B	ND		1
1,1,1,2-Tetrachloroethane	ND	ug/L	0.50	0.18	EPA-8260B	ND		1
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50	0.17	EPA-8260B	ND		1
Tetrachloroethene	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
Toluene	ND	ug/L	0.50	0.093	EPA-8260B	ND		1
1,2,3-Trichlorobenzene	ND	ug/L	0.50	0.16	EPA-8260B	ND		1
1,2,4-Trichlorobenzene	ND	ug/L	0.50	0.19	EPA-8260B	ND		1
1,1,1-Trichloroethane	ND	ug/L	0.50	0.11	EPA-8260B	ND		1
1,1,2-Trichloroethane	ND	ug/L	0.50	0.16	EPA-8260B	ND		1
Trichloroethene	ND	ug/L	0.50	0.085	EPA-8260B	ND		1
Trichlorofluoromethane	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
1,2,3-Trichloropropane	ND	ug/L	1.0	0.24	EPA-8260B	ND		1
1,2,4-Trimethylbenzene	ND	ug/L	0.50	0.12	EPA-8260B	ND		1
1,3,5-Trimethylbenzene	ND	ug/L	0.50	0.12	EPA-8260B	ND		1
Vinyl chloride	ND	ug/L	0.50	0.12	EPA-8260B	ND		1
Total Xylenes	ND	ug/L	1.0	0.36	EPA-8260B	ND		1
Acetone	ND	ug/L	10	4.6	EPA-8260B	ND		1
Acrolein	ND	ug/L	20	7.9	EPA-8260B	ND		1
Acrylonitrile	ND	ug/L	5.0	1.2	EPA-8260B	ND		1
t-Amyl Methyl ether	ND	ug/L	0.50	0.25	EPA-8260B	ND		1
t-Butyl alcohol	ND	ug/L	10	9.4	EPA-8260B	ND		1
Carbon disulfide	ND	ug/L	1.0	0.38	EPA-8260B	ND		1
trans-1,4-Dichloro-2-butene	ND	ug/L	5.0	1.4	EPA-8260B	ND		1
Diisopropyl ether	ND	ug/L	0.50	0.23	EPA-8260B	ND		1

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Golder Associates
425 Lakeside Drive
Sunnyvale, CA 94085

Reported: 11/16/2012 14:14
Project: John Smith Road LF
Project Number: 053747313
Project Manager: Tom Vercoutere

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1221185-03 | **Client Sample Name:** John Smith, John Smith, E-2, 11/1/2012 9:01:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
1,4-Dioxane	ND	ug/L	100	42	EPA-8260B	ND		1
Ethyl t-butyl ether	ND	ug/L	0.50	0.18	EPA-8260B	ND		1
2-Hexanone	ND	ug/L	10	3.4	EPA-8260B	ND		1
Methyl ethyl ketone	ND	ug/L	10	2.5	EPA-8260B	ND		1
Methyl iodide	ND	ug/L	2.0	0.47	EPA-8260B	ND		1
Methyl isobutyl ketone	ND	ug/L	10	2.1	EPA-8260B	ND		1
Vinyl acetate	ND	ug/L	10	1.8	EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	118	%	75 - 125 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	99.6	%	80 - 120 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	86.2	%	80 - 120 (LCL - UCL)		EPA-8260B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	11/06/12	11/08/12 09:45	MGC	MS-V5	1	BVK0391

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Golder Associates
425 Lakeside Drive
Sunnyvale, CA 94085

Reported: 11/16/2012 14:14
Project: John Smith Road LF
Project Number: 053747313
Project Manager: Tom Vercoutere

Water Analysis (General Chemistry)

BCL Sample ID: 1221185-03 | **Client Sample Name:** John Smith, John Smith, E-2, 11/1/2012 9:01:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Bicarbonate Alkalinity as CaCO3	**380**	**mg/L**	**8.2**	**8.2**	**EPA-310.1**	ND		1
Chloride	**340**	**mg/L**	**2.5**	**0.33**	**EPA-300.0**	0.82	**A01**	2
Nitrate/Nitrite as N	ND	mg/L	0.10	0.010	EPA-353.2	ND		3
pH	**7.30**	**pH Units**	**0.05**	**0.05**	**EPA-150.1**		**S05**	4
Electrical Conductivity @ 25 C	**4730**	**umhos/cm**	**1.00**	**1.00**	**EPA-120.1**			5

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-310.1	11/06/12	11/06/12 18:06	RML	MET-1	2	BVK0406
2	EPA-300.0	11/06/12	11/06/12 14:06	LD1	IC1	5	BVK0389
3	EPA-353.2	11/06/12	11/07/12 11:02	SDU	SC-1	1	BVK0361
4	EPA-150.1	11/06/12	11/06/12 18:06	RML	MET-1	1	BVK0406
5	EPA-120.1	11/06/12	11/06/12 18:06	RML	MET-1	1	BVK0406

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Golder Associates
425 Lakeside Drive
Sunnyvale, CA 94085

Reported: 11/16/2012 14:14
Project: John Smith Road LF
Project Number: 053747313
Project Manager: Tom Vercoutere

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1221185-04 | **Client Sample Name:** John Smith, John Smith, E-15, 11/1/2012 10:01:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	ug/L	0.50	0.083	EPA-8260B	ND		1
Bromobenzene	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
Bromochloromethane	ND	ug/L	0.50	0.24	EPA-8260B	ND		1
Bromodichloromethane	ND	ug/L	0.50	0.14	EPA-8260B	ND		1
Bromoform	ND	ug/L	0.50	0.27	EPA-8260B	ND		1
Bromomethane	ND	ug/L	1.0	0.25	EPA-8260B	ND		1
n-Butylbenzene	ND	ug/L	0.50	0.11	EPA-8260B	ND		1
sec-Butylbenzene	ND	ug/L	0.50	0.15	EPA-8260B	ND		1
tert-Butylbenzene	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
Carbon tetrachloride	ND	ug/L	0.50	0.18	EPA-8260B	ND		1
Chlorobenzene	ND	ug/L	0.50	0.093	EPA-8260B	ND		1
Chloroethane	ND	ug/L	0.50	0.14	EPA-8260B	ND		1
Chloroform	ND	ug/L	0.50	0.12	EPA-8260B	ND		1
Chloromethane	ND	ug/L	0.50	0.14	EPA-8260B	ND		1
2-Chlorotoluene	ND	ug/L	0.50	0.20	EPA-8260B	ND		1
4-Chlorotoluene	ND	ug/L	0.50	0.15	EPA-8260B	ND		1
Dibromochloromethane	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
1,2-Dibromo-3-chloropropane	ND	ug/L	1.0	0.44	EPA-8260B	ND		1
1,2-Dibromoethane	ND	ug/L	0.50	0.16	EPA-8260B	ND		1
Dibromomethane	ND	ug/L	0.50	0.24	EPA-8260B	ND		1
1,2-Dichlorobenzene	ND	ug/L	0.50	0.072	EPA-8260B	ND		1
1,3-Dichlorobenzene	ND	ug/L	0.50	0.15	EPA-8260B	ND		1
1,4-Dichlorobenzene	ND	ug/L	0.50	0.062	EPA-8260B	ND		1
Dichlorodifluoromethane	**0.30**	**ug/L**	**0.50**	**0.099**	**EPA-8260B**	ND	**J**	1
1,1-Dichloroethane	ND	ug/L	0.50	0.11	EPA-8260B	ND		1
1,2-Dichloroethane	ND	ug/L	0.50	0.17	EPA-8260B	ND		1
1,1-Dichloroethene	ND	ug/L	0.50	0.18	EPA-8260B	ND		1
cis-1,2-Dichloroethene	ND	ug/L	0.50	0.085	EPA-8260B	ND		1
trans-1,2-Dichloroethene	ND	ug/L	0.50	0.15	EPA-8260B	ND		1
1,2-Dichloropropane	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
1,3-Dichloropropane	ND	ug/L	0.50	0.086	EPA-8260B	ND		1
2,2-Dichloropropane	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
1,1-Dichloropropene	ND	ug/L	0.50	0.085	EPA-8260B	ND		1

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Golder Associates
425 Lakeside Drive
Sunnyvale, CA 94085

Reported: 11/16/2012 14:14
Project: John Smith Road LF
Project Number: 053747313
Project Manager: Tom Vercoutere

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1221185-04 | **Client Sample Name:** John Smith, John Smith, E-15, 11/1/2012 10:01:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	ug/L	0.50	0.14	EPA-8260B	ND		1
trans-1,3-Dichloropropene	ND	ug/L	0.50	0.079	EPA-8260B	ND		1
Ethylbenzene	ND	ug/L	0.50	0.098	EPA-8260B	ND		1
Hexachlorobutadiene	ND	ug/L	0.50	0.17	EPA-8260B	ND		1
Isopropylbenzene	ND	ug/L	0.50	0.14	EPA-8260B	ND		1
Methylene chloride	ND	ug/L	1.0	0.48	EPA-8260B	ND		1
Methyl t-butyl ether	ND	ug/L	0.50	0.11	EPA-8260B	ND		1
Naphthalene	ND	ug/L	0.50	0.36	EPA-8260B	ND		1
n-Propylbenzene	ND	ug/L	0.50	0.11	EPA-8260B	ND		1
Styrene	ND	ug/L	0.50	0.068	EPA-8260B	ND		1
1,1,1,2-Tetrachloroethane	ND	ug/L	0.50	0.18	EPA-8260B	ND		1
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50	0.17	EPA-8260B	ND		1
Tetrachloroethene	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
Toluene	ND	ug/L	0.50	0.093	EPA-8260B	ND		1
1,2,3-Trichlorobenzene	ND	ug/L	0.50	0.16	EPA-8260B	ND		1
1,2,4-Trichlorobenzene	ND	ug/L	0.50	0.19	EPA-8260B	ND		1
1,1,1-Trichloroethane	ND	ug/L	0.50	0.11	EPA-8260B	ND		1
1,1,2-Trichloroethane	ND	ug/L	0.50	0.16	EPA-8260B	ND		1
Trichloroethene	ND	ug/L	0.50	0.085	EPA-8260B	ND		1
Trichlorofluoromethane	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
1,2,3-Trichloropropane	ND	ug/L	1.0	0.24	EPA-8260B	ND		1
1,2,4-Trimethylbenzene	ND	ug/L	0.50	0.12	EPA-8260B	ND		1
1,3,5-Trimethylbenzene	ND	ug/L	0.50	0.12	EPA-8260B	ND		1
Vinyl chloride	ND	ug/L	0.50	0.12	EPA-8260B	ND		1
Total Xylenes	ND	ug/L	1.0	0.36	EPA-8260B	ND		1
Acetone	ND	ug/L	10	4.6	EPA-8260B	ND		1
Acrolein	ND	ug/L	20	7.9	EPA-8260B	ND		1
Acrylonitrile	ND	ug/L	5.0	1.2	EPA-8260B	ND		1
t-Amyl Methyl ether	ND	ug/L	0.50	0.25	EPA-8260B	ND		1
t-Butyl alcohol	ND	ug/L	10	9.4	EPA-8260B	ND		1
Carbon disulfide	ND	ug/L	1.0	0.38	EPA-8260B	ND		1
trans-1,4-Dichloro-2-butene	ND	ug/L	5.0	1.4	EPA-8260B	ND		1
Diisopropyl ether	ND	ug/L	0.50	0.23	EPA-8260B	ND		1

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Golder Associates
425 Lakeside Drive
Sunnyvale, CA 94085

Reported: 11/16/2012 14:14
Project: John Smith Road LF
Project Number: 053747313
Project Manager: Tom Vercoutere

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1221185-04 | **Client Sample Name:** John Smith, John Smith, E-15, 11/1/2012 10:01:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
1,4-Dioxane	ND	ug/L	100	42	EPA-8260B	ND		1
Ethyl t-butyl ether	ND	ug/L	0.50	0.18	EPA-8260B	ND		1
2-Hexanone	ND	ug/L	10	3.4	EPA-8260B	ND		1
Methyl ethyl ketone	ND	ug/L	10	2.5	EPA-8260B	ND		1
Methyl iodide	ND	ug/L	2.0	0.47	EPA-8260B	ND		1
Methyl isobutyl ketone	ND	ug/L	10	2.1	EPA-8260B	ND		1
Vinyl acetate	ND	ug/L	10	1.8	EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	116	%	75 - 125 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	100	%	80 - 120 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	86.3	%	80 - 120 (LCL - UCL)		EPA-8260B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	11/06/12	11/08/12 10:07	MGC	MS-V5	1	BVK0391

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Golder Associates
425 Lakeside Drive
Sunnyvale, CA 94085

Reported: 11/16/2012 14:14
Project: John Smith Road LF
Project Number: 053747313
Project Manager: Tom Vercoutere

Water Analysis (General Chemistry)

BCL Sample ID: 1221185-04 | **Client Sample Name:** John Smith, John Smith, E-15, 11/1/2012 10:01:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Bicarbonate Alkalinity as CaCO3	**360**	**mg/L**	**8.2**	**8.2**	**EPA-310.1**	ND		1
Chloride	**560**	**mg/L**	**2.5**	**0.33**	**EPA-300.0**	0.82	**A01**	2
Nitrate/Nitrite as N	**0.75**	**mg/L**	**0.10**	**0.010**	**EPA-353.2**	ND		3
pH	**7.42**	**pH Units**	**0.05**	**0.05**	**EPA-150.1**		**S05**	4
Electrical Conductivity @ 25 C	**5440**	**umhos/cm**	**1.00**	**1.00**	**EPA-120.1**			5

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-310.1	11/06/12	11/06/12 18:30	RML	MET-1	2	BVK0407
2	EPA-300.0	11/06/12	11/06/12 14:17	LD1	IC1	5	BVK0389
3	EPA-353.2	11/06/12	11/07/12 11:03	SDU	SC-1	1	BVK0361
4	EPA-150.1	11/06/12	11/06/12 18:30	RML	MET-1	1	BVK0407
5	EPA-120.1	11/06/12	11/06/12 18:30	RML	MET-1	1	BVK0407

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Golder Associates
425 Lakeside Drive
Sunnyvale, CA 94085

Reported: 11/16/2012 14:14
Project: John Smith Road LF
Project Number: 053747313
Project Manager: Tom Vercoutere

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1221185-05 | **Client Sample Name:** John Smith, John Smith, WA-8, 11/1/2012 1:01:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	ug/L	1.0	0.083	EPA-8260B	ND		1
Bromobenzene	ND	ug/L	1.0	0.13	EPA-8260B	ND		1
Bromochloromethane	ND	ug/L	1.0	0.24	EPA-8260B	ND		1
Bromodichloromethane	ND	ug/L	1.0	0.14	EPA-8260B	ND		1
Bromoform	ND	ug/L	1.0	0.27	EPA-8260B	ND		1
Bromomethane	ND	ug/L	1.0	0.25	EPA-8260B	ND		1
n-Butylbenzene	ND	ug/L	1.0	0.11	EPA-8260B	ND		1
sec-Butylbenzene	ND	ug/L	1.0	0.15	EPA-8260B	ND		1
tert-Butylbenzene	ND	ug/L	1.0	0.13	EPA-8260B	ND		1
Carbon tetrachloride	ND	ug/L	1.0	0.18	EPA-8260B	ND		1
Chlorobenzene	ND	ug/L	1.0	0.093	EPA-8260B	ND		1
Chloroethane	ND	ug/L	1.0	0.14	EPA-8260B	ND		1
Chloroform	ND	ug/L	1.0	0.12	EPA-8260B	ND		1
Chloromethane	ND	ug/L	1.0	0.14	EPA-8260B	ND		1
2-Chlorotoluene	ND	ug/L	1.0	0.20	EPA-8260B	ND		1
4-Chlorotoluene	ND	ug/L	1.0	0.15	EPA-8260B	ND		1
Dibromochloromethane	ND	ug/L	1.0	0.13	EPA-8260B	ND		1
1,2-Dibromo-3-chloropropane	ND	ug/L	1.0	0.44	EPA-8260B	ND		1
1,2-Dibromoethane	ND	ug/L	1.0	0.16	EPA-8260B	ND		1
Dibromomethane	ND	ug/L	1.0	0.24	EPA-8260B	ND		1
1,2-Dichlorobenzene	ND	ug/L	1.0	0.072	EPA-8260B	ND		1
1,3-Dichlorobenzene	ND	ug/L	1.0	0.15	EPA-8260B	ND		1
1,4-Dichlorobenzene	ND	ug/L	1.0	0.062	EPA-8260B	ND		1
Dichlorodifluoromethane	**0.26**	**ug/L**	**1.0**	**0.099**	**EPA-8260B**	ND	**J**	1
1,1-Dichloroethane	ND	ug/L	1.0	0.11	EPA-8260B	ND		1
1,2-Dichloroethane	ND	ug/L	1.0	0.17	EPA-8260B	ND		1
1,1-Dichloroethene	ND	ug/L	1.0	0.18	EPA-8260B	ND		1
cis-1,2-Dichloroethene	**0.18**	**ug/L**	**1.0**	**0.085**	**EPA-8260B**	ND	**J**	1
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.15	EPA-8260B	ND		1
1,2-Dichloropropane	ND	ug/L	1.0	0.13	EPA-8260B	ND		1
1,3-Dichloropropane	ND	ug/L	1.0	0.086	EPA-8260B	ND		1
2,2-Dichloropropane	ND	ug/L	1.0	0.13	EPA-8260B	ND		1
1,1-Dichloropropene	ND	ug/L	1.0	0.085	EPA-8260B	ND		1

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Golder Associates
425 Lakeside Drive
Sunnyvale, CA 94085

Reported: 11/16/2012 14:14
Project: John Smith Road LF
Project Number: 053747313
Project Manager: Tom Vercoutere

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1221185-05 | **Client Sample Name:** John Smith, John Smith, WA-8, 11/1/2012 1:01:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.14	EPA-8260B	ND		1
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.079	EPA-8260B	ND		1
Ethylbenzene	ND	ug/L	1.0	0.098	EPA-8260B	ND		1
Hexachlorobutadiene	ND	ug/L	1.0	0.17	EPA-8260B	ND		1
Isopropylbenzene	ND	ug/L	1.0	0.14	EPA-8260B	ND		1
Methylene chloride	ND	ug/L	1.0	0.48	EPA-8260B	ND		1
Methyl t-butyl ether	ND	ug/L	1.0	0.11	EPA-8260B	ND		1
Naphthalene	ND	ug/L	1.0	0.36	EPA-8260B	ND		1
n-Propylbenzene	ND	ug/L	1.0	0.11	EPA-8260B	ND		1
Styrene	ND	ug/L	1.0	0.068	EPA-8260B	ND		1
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.18	EPA-8260B	ND		1
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.17	EPA-8260B	ND		1
Tetrachloroethene	**0.16**	**ug/L**	**1.0**	**0.13**	**EPA-8260B**	ND	**J**	1
Toluene	ND	ug/L	1.0	0.093	EPA-8260B	ND		1
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.16	EPA-8260B	ND		1
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.19	EPA-8260B	ND		1
1,1,1-Trichloroethane	ND	ug/L	1.0	0.11	EPA-8260B	ND		1
1,1,2-Trichloroethane	ND	ug/L	1.0	0.16	EPA-8260B	ND		1
Trichloroethene	**0.40**	**ug/L**	**1.0**	**0.085**	**EPA-8260B**	ND	**J**	1
Trichlorofluoromethane	ND	ug/L	1.0	0.13	EPA-8260B	ND		1
1,2,3-Trichloropropane	ND	ug/L	1.0	0.24	EPA-8260B	ND		1
1,2,4-Trimethylbenzene	ND	ug/L	1.0	0.12	EPA-8260B	ND		1
1,3,5-Trimethylbenzene	ND	ug/L	1.0	0.12	EPA-8260B	ND		1
Vinyl chloride	ND	ug/L	1.0	0.12	EPA-8260B	ND		1
Total Xylenes	ND	ug/L	1.0	0.36	EPA-8260B	ND		1
Acetone	ND	ug/L	10	4.6	EPA-8260B	ND		1
Acrolein	ND	ug/L	20	7.9	EPA-8260B	ND		1
Acrylonitrile	ND	ug/L	5.0	1.2	EPA-8260B	ND		1
t-Amyl Methyl ether	ND	ug/L	1.0	0.25	EPA-8260B	ND		1
t-Butyl alcohol	ND	ug/L	10	9.4	EPA-8260B	ND		1
Carbon disulfide	ND	ug/L	1.0	0.38	EPA-8260B	ND		1
trans-1,4-Dichloro-2-butene	ND	ug/L	5.0	1.4	EPA-8260B	ND		1
Diisopropyl ether	ND	ug/L	1.0	0.23	EPA-8260B	ND		1

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Golder Associates
425 Lakeside Drive
Sunnyvale, CA 94085

Reported: 11/16/2012 14:14
Project: John Smith Road LF
Project Number: 053747313
Project Manager: Tom Vercoutere

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1221185-05 | **Client Sample Name:** John Smith, John Smith, WA-8, 11/1/2012 1:01:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Ethyl t-butyl ether	ND	ug/L	1.0	0.18	EPA-8260B	ND		1
2-Hexanone	ND	ug/L	20	3.4	EPA-8260B	ND		1
Methyl ethyl ketone	ND	ug/L	10	2.5	EPA-8260B	ND		1
Methyl iodide	ND	ug/L	20	0.47	EPA-8260B	ND		1
Methyl isobutyl ketone	ND	ug/L	10	2.1	EPA-8260B	ND		1
Vinyl acetate	ND	ug/L	10	1.8	EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	119	%	75 - 125 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	98.5	%	80 - 120 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	85.1	%	80 - 120 (LCL - UCL)		EPA-8260B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	11/07/12	11/08/12 10:30	MGC	MS-V5	1	BVK0480

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Golder Associates
425 Lakeside Drive
Sunnyvale, CA 94085

Reported: 11/16/2012 14:14
Project: John Smith Road LF
Project Number: 053747313
Project Manager: Tom Vercoutere

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1221185-06 | **Client Sample Name:** John Smith, John Smith, WA-10, 11/1/2012 1:51:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	ug/L	1.0	0.083	EPA-8260B	ND		1
Bromobenzene	ND	ug/L	1.0	0.13	EPA-8260B	ND		1
Bromochloromethane	ND	ug/L	1.0	0.24	EPA-8260B	ND		1
Bromodichloromethane	ND	ug/L	1.0	0.14	EPA-8260B	ND		1
Bromoform	ND	ug/L	1.0	0.27	EPA-8260B	ND		1
Bromomethane	ND	ug/L	1.0	0.25	EPA-8260B	ND		1
n-Butylbenzene	ND	ug/L	1.0	0.11	EPA-8260B	ND		1
sec-Butylbenzene	ND	ug/L	1.0	0.15	EPA-8260B	ND		1
tert-Butylbenzene	ND	ug/L	1.0	0.13	EPA-8260B	ND		1
Carbon tetrachloride	ND	ug/L	1.0	0.18	EPA-8260B	ND		1
Chlorobenzene	ND	ug/L	1.0	0.093	EPA-8260B	ND		1
Chloroethane	ND	ug/L	1.0	0.14	EPA-8260B	ND		1
Chloroform	ND	ug/L	1.0	0.12	EPA-8260B	ND		1
Chloromethane	ND	ug/L	1.0	0.14	EPA-8260B	ND		1
2-Chlorotoluene	ND	ug/L	1.0	0.20	EPA-8260B	ND		1
4-Chlorotoluene	ND	ug/L	1.0	0.15	EPA-8260B	ND		1
Dibromochloromethane	ND	ug/L	1.0	0.13	EPA-8260B	ND		1
1,2-Dibromo-3-chloropropane	ND	ug/L	1.0	0.44	EPA-8260B	ND		1
1,2-Dibromoethane	ND	ug/L	1.0	0.16	EPA-8260B	ND		1
Dibromomethane	ND	ug/L	1.0	0.24	EPA-8260B	ND		1
1,2-Dichlorobenzene	ND	ug/L	1.0	0.072	EPA-8260B	ND		1
1,3-Dichlorobenzene	ND	ug/L	1.0	0.15	EPA-8260B	ND		1
1,4-Dichlorobenzene	ND	ug/L	1.0	0.062	EPA-8260B	ND		1
Dichlorodifluoromethane	**0.38**	**ug/L**	**1.0**	**0.099**	**EPA-8260B**	ND	**J**	1
1,1-Dichloroethane	ND	ug/L	1.0	0.11	EPA-8260B	ND		1
1,2-Dichloroethane	ND	ug/L	1.0	0.17	EPA-8260B	ND		1
1,1-Dichloroethene	ND	ug/L	1.0	0.18	EPA-8260B	ND		1
cis-1,2-Dichloroethene	**0.70**	**ug/L**	**1.0**	**0.085**	**EPA-8260B**	ND	**J**	1
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.15	EPA-8260B	ND		1
1,2-Dichloropropane	ND	ug/L	1.0	0.13	EPA-8260B	ND		1
1,3-Dichloropropane	ND	ug/L	1.0	0.086	EPA-8260B	ND		1
2,2-Dichloropropane	ND	ug/L	1.0	0.13	EPA-8260B	ND		1
1,1-Dichloropropene	ND	ug/L	1.0	0.085	EPA-8260B	ND		1

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Golder Associates
425 Lakeside Drive
Sunnyvale, CA 94085

Reported: 11/16/2012 14:14
Project: John Smith Road LF
Project Number: 053747313
Project Manager: Tom Vercoutere

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1221185-06 | **Client Sample Name:** John Smith, John Smith, WA-10, 11/1/2012 1:51:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.14	EPA-8260B	ND		1
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.079	EPA-8260B	ND		1
Ethylbenzene	ND	ug/L	1.0	0.098	EPA-8260B	ND		1
Hexachlorobutadiene	ND	ug/L	1.0	0.17	EPA-8260B	ND		1
Isopropylbenzene	ND	ug/L	1.0	0.14	EPA-8260B	ND		1
Methylene chloride	ND	ug/L	1.0	0.48	EPA-8260B	ND		1
Methyl t-butyl ether	ND	ug/L	1.0	0.11	EPA-8260B	ND		1
Naphthalene	ND	ug/L	1.0	0.36	EPA-8260B	ND		1
n-Propylbenzene	ND	ug/L	1.0	0.11	EPA-8260B	ND		1
Styrene	ND	ug/L	1.0	0.068	EPA-8260B	ND		1
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.18	EPA-8260B	ND		1
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.17	EPA-8260B	ND		1
Tetrachloroethene	**0.73**	**ug/L**	**1.0**	**0.13**	**EPA-8260B**	ND	**J**	1
Toluene	ND	ug/L	1.0	0.093	EPA-8260B	ND		1
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.16	EPA-8260B	ND		1
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.19	EPA-8260B	ND		1
1,1,1-Trichloroethane	ND	ug/L	1.0	0.11	EPA-8260B	ND		1
1,1,2-Trichloroethane	ND	ug/L	1.0	0.16	EPA-8260B	ND		1
Trichloroethene	**0.97**	**ug/L**	**1.0**	**0.085**	**EPA-8260B**	ND	**J**	1
Trichlorofluoromethane	ND	ug/L	1.0	0.13	EPA-8260B	ND		1
1,2,3-Trichloropropane	ND	ug/L	1.0	0.24	EPA-8260B	ND		1
1,2,4-Trimethylbenzene	ND	ug/L	1.0	0.12	EPA-8260B	ND		1
1,3,5-Trimethylbenzene	ND	ug/L	1.0	0.12	EPA-8260B	ND		1
Vinyl chloride	ND	ug/L	1.0	0.12	EPA-8260B	ND		1
Total Xylenes	ND	ug/L	1.0	0.36	EPA-8260B	ND		1
Acetone	ND	ug/L	10	4.6	EPA-8260B	ND		1
Acrolein	ND	ug/L	20	7.9	EPA-8260B	ND		1
Acrylonitrile	ND	ug/L	5.0	1.2	EPA-8260B	ND		1
t-Amyl Methyl ether	ND	ug/L	1.0	0.25	EPA-8260B	ND		1
t-Butyl alcohol	ND	ug/L	10	9.4	EPA-8260B	ND		1
Carbon disulfide	ND	ug/L	1.0	0.38	EPA-8260B	ND		1
trans-1,4-Dichloro-2-butene	ND	ug/L	5.0	1.4	EPA-8260B	ND		1
Diisopropyl ether	ND	ug/L	1.0	0.23	EPA-8260B	ND		1

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Golder Associates
425 Lakeside Drive
Sunnyvale, CA 94085

Reported: 11/16/2012 14:14
Project: John Smith Road LF
Project Number: 053747313
Project Manager: Tom Vercoutere

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1221185-06 | **Client Sample Name:** John Smith, John Smith, WA-10, 11/1/2012 1:51:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Ethyl t-butyl ether	ND	ug/L	1.0	0.18	EPA-8260B	ND		1
2-Hexanone	ND	ug/L	20	3.4	EPA-8260B	ND		1
Methyl ethyl ketone	ND	ug/L	10	2.5	EPA-8260B	ND		1
Methyl iodide	ND	ug/L	20	0.47	EPA-8260B	ND		1
Methyl isobutyl ketone	ND	ug/L	10	2.1	EPA-8260B	ND		1
Vinyl acetate	ND	ug/L	10	1.8	EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	121	%	75 - 125 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	99.0	%	80 - 120 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	86.7	%	80 - 120 (LCL - UCL)		EPA-8260B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	11/07/12	11/08/12 10:52	MGC	MS-V5	1	BVK0480

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Golder Associates
425 Lakeside Drive
Sunnyvale, CA 94085

Reported: 11/16/2012 14:14
Project: John Smith Road LF
Project Number: 053747313
Project Manager: Tom Vercoutere

Volatile Organic Analysis (EPA Method 8260)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: BVK0391						
Benzene	BVK0391-BLK1	ND	ug/L	0.50	0.083	
Bromobenzene	BVK0391-BLK1	ND	ug/L	0.50	0.13	
Bromochloromethane	BVK0391-BLK1	ND	ug/L	0.50	0.24	
Bromodichloromethane	BVK0391-BLK1	ND	ug/L	0.50	0.14	
Bromoform	BVK0391-BLK1	ND	ug/L	0.50	0.27	
Bromomethane	BVK0391-BLK1	ND	ug/L	1.0	0.25	
n-Butylbenzene	BVK0391-BLK1	ND	ug/L	0.50	0.11	
sec-Butylbenzene	BVK0391-BLK1	ND	ug/L	0.50	0.15	
tert-Butylbenzene	BVK0391-BLK1	ND	ug/L	0.50	0.13	
Carbon tetrachloride	BVK0391-BLK1	ND	ug/L	0.50	0.18	
Chlorobenzene	BVK0391-BLK1	ND	ug/L	0.50	0.093	
Chloroethane	BVK0391-BLK1	ND	ug/L	0.50	0.14	
Chloroform	BVK0391-BLK1	ND	ug/L	0.50	0.12	
Chloromethane	BVK0391-BLK1	ND	ug/L	0.50	0.14	
2-Chlorotoluene	BVK0391-BLK1	ND	ug/L	0.50	0.20	
4-Chlorotoluene	BVK0391-BLK1	ND	ug/L	0.50	0.15	
Dibromochloromethane	BVK0391-BLK1	ND	ug/L	0.50	0.13	
1,2-Dibromo-3-chloropropane	BVK0391-BLK1	ND	ug/L	1.0	0.44	
1,2-Dibromoethane	BVK0391-BLK1	ND	ug/L	0.50	0.16	
Dibromomethane	BVK0391-BLK1	ND	ug/L	0.50	0.24	
1,2-Dichlorobenzene	BVK0391-BLK1	ND	ug/L	0.50	0.072	
1,3-Dichlorobenzene	BVK0391-BLK1	ND	ug/L	0.50	0.15	
1,4-Dichlorobenzene	BVK0391-BLK1	ND	ug/L	0.50	0.062	
Dichlorodifluoromethane	BVK0391-BLK1	ND	ug/L	0.50	0.099	
1,1-Dichloroethane	BVK0391-BLK1	ND	ug/L	0.50	0.11	
1,2-Dichloroethane	BVK0391-BLK1	ND	ug/L	0.50	0.17	
1,1-Dichloroethene	BVK0391-BLK1	ND	ug/L	0.50	0.18	
cis-1,2-Dichloroethene	BVK0391-BLK1	ND	ug/L	0.50	0.085	
trans-1,2-Dichloroethene	BVK0391-BLK1	ND	ug/L	0.50	0.15	
1,2-Dichloropropane	BVK0391-BLK1	ND	ug/L	0.50	0.13	
1,3-Dichloropropane	BVK0391-BLK1	ND	ug/L	0.50	0.086	
2,2-Dichloropropane	BVK0391-BLK1	ND	ug/L	0.50	0.13	
1,1-Dichloropropene	BVK0391-BLK1	ND	ug/L	0.50	0.085	
cis-1,3-Dichloropropene	BVK0391-BLK1	ND	ug/L	0.50	0.14	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Golder Associates
425 Lakeside Drive
Sunnyvale, CA 94085

Reported: 11/16/2012 14:14
Project: John Smith Road LF
Project Number: 053747313
Project Manager: Tom Vercoutere

Volatile Organic Analysis (EPA Method 8260)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: BVK0391						
trans-1,3-Dichloropropene	BVK0391-BLK1	ND	ug/L	0.50	0.079	
Ethylbenzene	BVK0391-BLK1	ND	ug/L	0.50	0.098	
Hexachlorobutadiene	BVK0391-BLK1	ND	ug/L	0.50	0.17	
Isopropylbenzene	BVK0391-BLK1	ND	ug/L	0.50	0.14	
Methylene chloride	BVK0391-BLK1	ND	ug/L	1.0	0.48	
Methyl t-butyl ether	BVK0391-BLK1	ND	ug/L	0.50	0.11	
Naphthalene	BVK0391-BLK1	ND	ug/L	0.50	0.36	
n-Propylbenzene	BVK0391-BLK1	ND	ug/L	0.50	0.11	
Styrene	BVK0391-BLK1	ND	ug/L	0.50	0.068	
1,1,1,2-Tetrachloroethane	BVK0391-BLK1	ND	ug/L	0.50	0.18	
1,1,2,2-Tetrachloroethane	BVK0391-BLK1	ND	ug/L	0.50	0.17	
Tetrachloroethene	BVK0391-BLK1	ND	ug/L	0.50	0.13	
Toluene	BVK0391-BLK1	ND	ug/L	0.50	0.093	
1,2,3-Trichlorobenzene	BVK0391-BLK1	ND	ug/L	0.50	0.16	
1,2,4-Trichlorobenzene	BVK0391-BLK1	ND	ug/L	0.50	0.19	
1,1,1-Trichloroethane	BVK0391-BLK1	ND	ug/L	0.50	0.11	
1,1,2-Trichloroethane	BVK0391-BLK1	ND	ug/L	0.50	0.16	
Trichloroethene	BVK0391-BLK1	ND	ug/L	0.50	0.085	
Trichlorofluoromethane	BVK0391-BLK1	ND	ug/L	0.50	0.13	
1,2,3-Trichloropropane	BVK0391-BLK1	ND	ug/L	1.0	0.24	
1,2,4-Trimethylbenzene	BVK0391-BLK1	ND	ug/L	0.50	0.12	
1,3,5-Trimethylbenzene	BVK0391-BLK1	ND	ug/L	0.50	0.12	
Vinyl chloride	BVK0391-BLK1	ND	ug/L	0.50	0.12	
Total Xylenes	BVK0391-BLK1	ND	ug/L	1.0	0.36	
Acetone	BVK0391-BLK1	ND	ug/L	10	4.6	
Acrolein	BVK0391-BLK1	ND	ug/L	20	7.9	
Acrylonitrile	BVK0391-BLK1	ND	ug/L	5.0	1.2	
t-Amyl Methyl ether	BVK0391-BLK1	ND	ug/L	0.50	0.25	
t-Butyl alcohol	BVK0391-BLK1	ND	ug/L	10	9.4	
Carbon disulfide	BVK0391-BLK1	ND	ug/L	1.0	0.38	
trans-1,4-Dichloro-2-butene	BVK0391-BLK1	ND	ug/L	5.0	1.4	
Diisopropyl ether	BVK0391-BLK1	ND	ug/L	0.50	0.23	
1,4-Dioxane	BVK0391-BLK1	ND	ug/L	100	42	
Ethyl t-butyl ether	BVK0391-BLK1	ND	ug/L	0.50	0.18	

Golder Associates
425 Lakeside Drive
Sunnyvale, CA 94085

Reported: 11/16/2012 14:14
Project: John Smith Road LF
Project Number: 053747313
Project Manager: Tom Vercoutere

Volatile Organic Analysis (EPA Method 8260)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: BVK0391						
2-Hexanone	BVK0391-BLK1	ND	ug/L	10	3.4	
Methyl ethyl ketone	BVK0391-BLK1	ND	ug/L	10	2.5	
Methyl iodide	BVK0391-BLK1	ND	ug/L	2.0	0.47	
Methyl isobutyl ketone	BVK0391-BLK1	ND	ug/L	10	2.1	
Vinyl acetate	BVK0391-BLK1	ND	ug/L	10	1.8	
1,2-Dichloroethane-d4 (Surrogate)	BVK0391-BLK1	118	%	75 - 125 (LCL - UCL)		
Toluene-d8 (Surrogate)	BVK0391-BLK1	99.3	%	80 - 120 (LCL - UCL)		
4-Bromofluorobenzene (Surrogate)	BVK0391-BLK1	87.2	%	80 - 120 (LCL - UCL)		
QC Batch ID: BVK0480						
Benzene	BVK0480-BLK1	ND	ug/L	0.50	0.083	
Bromobenzene	BVK0480-BLK1	ND	ug/L	0.50	0.13	
Bromochloromethane	BVK0480-BLK1	ND	ug/L	0.50	0.24	
Bromodichloromethane	BVK0480-BLK1	ND	ug/L	0.50	0.14	
Bromoform	BVK0480-BLK1	ND	ug/L	0.50	0.27	
Bromomethane	BVK0480-BLK1	ND	ug/L	1.0	0.25	
n-Butylbenzene	BVK0480-BLK1	ND	ug/L	0.50	0.11	
sec-Butylbenzene	BVK0480-BLK1	ND	ug/L	0.50	0.15	
tert-Butylbenzene	BVK0480-BLK1	ND	ug/L	0.50	0.13	
Carbon tetrachloride	BVK0480-BLK1	ND	ug/L	0.50	0.18	
Chlorobenzene	BVK0480-BLK1	ND	ug/L	0.50	0.093	
Chloroethane	BVK0480-BLK1	ND	ug/L	0.50	0.14	
Chloroform	BVK0480-BLK1	ND	ug/L	0.50	0.12	
Chloromethane	BVK0480-BLK1	ND	ug/L	0.50	0.14	
2-Chlorotoluene	BVK0480-BLK1	ND	ug/L	0.50	0.20	
4-Chlorotoluene	BVK0480-BLK1	ND	ug/L	0.50	0.15	
Dibromochloromethane	BVK0480-BLK1	ND	ug/L	0.50	0.13	
1,2-Dibromo-3-chloropropane	BVK0480-BLK1	ND	ug/L	1.0	0.44	
1,2-Dibromoethane	BVK0480-BLK1	ND	ug/L	0.50	0.16	
Dibromomethane	BVK0480-BLK1	ND	ug/L	0.50	0.24	
1,2-Dichlorobenzene	BVK0480-BLK1	ND	ug/L	0.50	0.072	
1,3-Dichlorobenzene	BVK0480-BLK1	ND	ug/L	0.50	0.15	
1,4-Dichlorobenzene	BVK0480-BLK1	ND	ug/L	0.50	0.062	
Dichlorodifluoromethane	BVK0480-BLK1	ND	ug/L	0.50	0.099	

Golder Associates
425 Lakeside Drive
Sunnyvale, CA 94085

Reported: 11/16/2012 14:14
Project: John Smith Road LF
Project Number: 053747313
Project Manager: Tom Vercoutere

Volatile Organic Analysis (EPA Method 8260)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: BVK0480						
1,1-Dichloroethane	BVK0480-BLK1	ND	ug/L	0.50	0.11	
1,2-Dichloroethane	BVK0480-BLK1	ND	ug/L	0.50	0.17	
1,1-Dichloroethene	BVK0480-BLK1	ND	ug/L	0.50	0.18	
cis-1,2-Dichloroethene	BVK0480-BLK1	ND	ug/L	0.50	0.085	
trans-1,2-Dichloroethene	BVK0480-BLK1	ND	ug/L	0.50	0.15	
1,2-Dichloropropane	BVK0480-BLK1	ND	ug/L	0.50	0.13	
1,3-Dichloropropane	BVK0480-BLK1	ND	ug/L	0.50	0.086	
2,2-Dichloropropane	BVK0480-BLK1	ND	ug/L	0.50	0.13	
1,1-Dichloropropene	BVK0480-BLK1	ND	ug/L	0.50	0.085	
cis-1,3-Dichloropropene	BVK0480-BLK1	ND	ug/L	0.50	0.14	
trans-1,3-Dichloropropene	BVK0480-BLK1	ND	ug/L	0.50	0.079	
Ethylbenzene	BVK0480-BLK1	ND	ug/L	0.50	0.098	
Hexachlorobutadiene	BVK0480-BLK1	ND	ug/L	0.50	0.17	
Isopropylbenzene	BVK0480-BLK1	ND	ug/L	0.50	0.14	
Methylene chloride	BVK0480-BLK1	ND	ug/L	1.0	0.48	
Methyl t-butyl ether	BVK0480-BLK1	ND	ug/L	0.50	0.11	
Naphthalene	BVK0480-BLK1	ND	ug/L	0.50	0.36	
n-Propylbenzene	BVK0480-BLK1	ND	ug/L	0.50	0.11	
Styrene	BVK0480-BLK1	ND	ug/L	0.50	0.068	
1,1,1,2-Tetrachloroethane	BVK0480-BLK1	ND	ug/L	0.50	0.18	
1,1,2,2-Tetrachloroethane	BVK0480-BLK1	ND	ug/L	0.50	0.17	
Tetrachloroethene	BVK0480-BLK1	ND	ug/L	0.50	0.13	
Toluene	BVK0480-BLK1	ND	ug/L	0.50	0.093	
1,2,3-Trichlorobenzene	BVK0480-BLK1	ND	ug/L	0.50	0.16	
1,2,4-Trichlorobenzene	BVK0480-BLK1	ND	ug/L	0.50	0.19	
1,1,1-Trichloroethane	BVK0480-BLK1	ND	ug/L	0.50	0.11	
1,1,2-Trichloroethane	BVK0480-BLK1	ND	ug/L	0.50	0.16	
Trichloroethene	BVK0480-BLK1	ND	ug/L	0.50	0.085	
Trichlorofluoromethane	BVK0480-BLK1	ND	ug/L	0.50	0.13	
1,2,3-Trichloropropane	BVK0480-BLK1	ND	ug/L	1.0	0.24	
1,2,4-Trimethylbenzene	BVK0480-BLK1	ND	ug/L	0.50	0.12	
1,3,5-Trimethylbenzene	BVK0480-BLK1	ND	ug/L	0.50	0.12	
Vinyl chloride	BVK0480-BLK1	ND	ug/L	0.50	0.12	
Total Xylenes	BVK0480-BLK1	ND	ug/L	1.0	0.36	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Golder Associates
425 Lakeside Drive
Sunnyvale, CA 94085

Reported: 11/16/2012 14:14
Project: John Smith Road LF
Project Number: 053747313
Project Manager: Tom Vercoutere

Volatile Organic Analysis (EPA Method 8260)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: BVK0480						
Acetone	BVK0480-BLK1	ND	ug/L	10	4.6	
Acrolein	BVK0480-BLK1	ND	ug/L	20	7.9	
Acrylonitrile	BVK0480-BLK1	ND	ug/L	5.0	1.2	
t-Amyl Methyl ether	BVK0480-BLK1	ND	ug/L	0.50	0.25	
t-Butyl alcohol	BVK0480-BLK1	ND	ug/L	10	9.4	
Carbon disulfide	BVK0480-BLK1	ND	ug/L	1.0	0.38	
trans-1,4-Dichloro-2-butene	BVK0480-BLK1	ND	ug/L	5.0	1.4	
Diisopropyl ether	BVK0480-BLK1	ND	ug/L	0.50	0.23	
Ethyl t-butyl ether	BVK0480-BLK1	ND	ug/L	0.50	0.18	
2-Hexanone	BVK0480-BLK1	ND	ug/L	10	3.4	
Methyl ethyl ketone	BVK0480-BLK1	ND	ug/L	10	2.5	
Methyl iodide	BVK0480-BLK1	ND	ug/L	2.0	0.47	
Methyl isobutyl ketone	BVK0480-BLK1	ND	ug/L	10	2.1	
Vinyl acetate	BVK0480-BLK1	ND	ug/L	10	1.8	
1,2-Dichloroethane-d4 (Surrogate)	BVK0480-BLK1	108	%	75 - 125 (LCL - UCL)		
Toluene-d8 (Surrogate)	BVK0480-BLK1	96.5	%	80 - 120 (LCL - UCL)		
4-Bromofluorobenzene (Surrogate)	BVK0480-BLK1	86.2	%	80 - 120 (LCL - UCL)		

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Golder Associates
425 Lakeside Drive
Sunnyvale, CA 94085

Reported: 11/16/2012 14:14
Project: John Smith Road LF
Project Number: 053747313
Project Manager: Tom Vercoutere

Volatile Organic Analysis (EPA Method 8260)

Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits Percent Recovery	Control Limits RPD	Lab Quals
QC Batch ID: BVK0391										
Benzene	BVK0391-BS1	LCS	25.370	25.000	ug/L	101		70 - 130		
Bromodichloromethane	BVK0391-BS1	LCS	25.660	25.000	ug/L	103		70 - 130		
Chlorobenzene	BVK0391-BS1	LCS	23.720	25.000	ug/L	94.9		70 - 130		
Chloroethane	BVK0391-BS1	LCS	26.830	25.000	ug/L	107		70 - 130		
1,4-Dichlorobenzene	BVK0391-BS1	LCS	22.890	25.000	ug/L	91.6		70 - 130		
1,1-Dichloroethane	BVK0391-BS1	LCS	25.400	25.000	ug/L	102		70 - 130		
1,1-Dichloroethene	BVK0391-BS1	LCS	25.560	25.000	ug/L	102		70 - 130		
Toluene	BVK0391-BS1	LCS	25.580	25.000	ug/L	102		70 - 130		
Trichloroethene	BVK0391-BS1	LCS	27.260	25.000	ug/L	109		70 - 130		
1,2-Dichloroethane-d4 (Surrogate)	BVK0391-BS1	LCS	11.100	10.000	ug/L	111		75 - 125		
Toluene-d8 (Surrogate)	BVK0391-BS1	LCS	10.040	10.000	ug/L	100		80 - 120		
4-Bromofluorobenzene (Surrogate)	BVK0391-BS1	LCS	9.8100	10.000	ug/L	98.1		80 - 120		
QC Batch ID: BVK0480										
Benzene	BVK0480-BS1	LCS	26.260	25.000	ug/L	105		70 - 130		
Bromodichloromethane	BVK0480-BS1	LCS	25.280	25.000	ug/L	101		70 - 130		
Chlorobenzene	BVK0480-BS1	LCS	23.470	25.000	ug/L	93.9		70 - 130		
Chloroethane	BVK0480-BS1	LCS	27.540	25.000	ug/L	110		70 - 130		
1,4-Dichlorobenzene	BVK0480-BS1	LCS	22.850	25.000	ug/L	91.4		70 - 130		
1,1-Dichloroethane	BVK0480-BS1	LCS	25.770	25.000	ug/L	103		70 - 130		
1,1-Dichloroethene	BVK0480-BS1	LCS	26.250	25.000	ug/L	105		70 - 130		
Toluene	BVK0480-BS1	LCS	25.610	25.000	ug/L	102		70 - 130		
Trichloroethene	BVK0480-BS1	LCS	26.750	25.000	ug/L	107		70 - 130		
1,2-Dichloroethane-d4 (Surrogate)	BVK0480-BS1	LCS	10.630	10.000	ug/L	106		75 - 125		
Toluene-d8 (Surrogate)	BVK0480-BS1	LCS	10.020	10.000	ug/L	100		80 - 120		
4-Bromofluorobenzene (Surrogate)	BVK0480-BS1	LCS	9.7100	10.000	ug/L	97.1		80 - 120		

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Golder Associates
425 Lakeside Drive
Sunnyvale, CA 94085

Reported: 11/16/2012 14:14
Project: John Smith Road LF
Project Number: 053747313
Project Manager: Tom Vercoutere

Volatile Organic Analysis (EPA Method 8260)

Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
QC Batch ID: BVK0391	Used client sample: Y - Description: G-27, 10/31/2012 13:45										
Benzene	MS	1221141-10	ND	25.690	25.000	ug/L		103		70 - 130	
	MSD	1221141-10	ND	25.900	25.000	ug/L	0.8	104	20	70 - 130	
Bromodichloromethane	MS	1221141-10	ND	25.630	25.000	ug/L		103		70 - 130	
	MSD	1221141-10	ND	25.250	25.000	ug/L	1.5	101	20	70 - 130	
Chlorobenzene	MS	1221141-10	ND	24.340	25.000	ug/L		97.4		70 - 130	
	MSD	1221141-10	ND	24.210	25.000	ug/L	0.5	96.8	20	70 - 130	
Chloroethane	MS	1221141-10	ND	27.210	25.000	ug/L		109		70 - 130	
	MSD	1221141-10	ND	28.200	25.000	ug/L	3.6	113	20	70 - 130	
1,4-Dichlorobenzene	MS	1221141-10	ND	23.640	25.000	ug/L		94.6		70 - 130	
	MSD	1221141-10	ND	22.990	25.000	ug/L	2.8	92.0	20	70 - 130	
1,1-Dichloroethane	MS	1221141-10	ND	24.770	25.000	ug/L		99.1		70 - 130	
	MSD	1221141-10	ND	25.500	25.000	ug/L	2.9	102	20	70 - 130	
1,1-Dichloroethene	MS	1221141-10	ND	25.710	25.000	ug/L		103		70 - 130	
	MSD	1221141-10	ND	26.080	25.000	ug/L	1.4	104	20	70 - 130	
Toluene	MS	1221141-10	ND	25.260	25.000	ug/L		101		70 - 130	
	MSD	1221141-10	ND	25.250	25.000	ug/L	0.0	101	20	70 - 130	
Trichloroethene	MS	1221141-10	ND	24.300	25.000	ug/L		97.2		70 - 130	
	MSD	1221141-10	ND	23.980	25.000	ug/L	1.3	95.9	20	70 - 130	
1,2-Dichloroethane-d4 (Surrogate)	MS	1221141-10	ND	10.490	10.000	ug/L		105		75 - 125	
	MSD	1221141-10	ND	10.480	10.000	ug/L	0.1	105		75 - 125	
Toluene-d8 (Surrogate)	MS	1221141-10	ND	9.9300	10.000	ug/L		99.3		80 - 120	
	MSD	1221141-10	ND	9.7700	10.000	ug/L	1.6	97.7		80 - 120	
4-Bromofluorobenzene (Surrogate)	MS	1221141-10	ND	10.170	10.000	ug/L		102		80 - 120	
	MSD	1221141-10	ND	9.7200	10.000	ug/L	4.5	97.2		80 - 120	
QC Batch ID: BVK0480	Used client sample: N										
Benzene	MS	1221110-01	ND	25.850	25.000	ug/L		103		70 - 130	
	MSD	1221110-01	ND	25.460	25.000	ug/L	1.5	102	20	70 - 130	
Bromodichloromethane	MS	1221110-01	ND	25.010	25.000	ug/L		100		70 - 130	
	MSD	1221110-01	ND	25.100	25.000	ug/L	0.4	100	20	70 - 130	
Chlorobenzene	MS	1221110-01	ND	24.250	25.000	ug/L		97.0		70 - 130	
	MSD	1221110-01	ND	24.450	25.000	ug/L	0.8	97.8	20	70 - 130	
Chloroethane	MS	1221110-01	ND	27.680	25.000	ug/L		111		70 - 130	
	MSD	1221110-01	ND	27.480	25.000	ug/L	0.7	110	20	70 - 130	
1,4-Dichlorobenzene	MS	1221110-01	ND	23.460	25.000	ug/L		93.8		70 - 130	
	MSD	1221110-01	ND	23.150	25.000	ug/L	1.3	92.6	20	70 - 130	
1,1-Dichloroethane	MS	1221110-01	ND	24.940	25.000	ug/L		99.8		70 - 130	
	MSD	1221110-01	ND	24.490	25.000	ug/L	1.8	98.0	20	70 - 130	

Golder Associates
425 Lakeside Drive
Sunnyvale, CA 94085

Reported: 11/16/2012 14:14
Project: John Smith Road LF
Project Number: 053747313
Project Manager: Tom Vercoutere

Volatile Organic Analysis (EPA Method 8260)

Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
QC Batch ID: BVK0480	Used client sample: N										
1,1-Dichloroethene	MS	1221110-01	ND	25.460	25.000	ug/L		102		70 - 130	
	MSD	1221110-01	ND	25.000	25.000	ug/L	1.8	100	20	70 - 130	
Toluene	MS	1221110-01	ND	25.980	25.000	ug/L		104		70 - 130	
	MSD	1221110-01	ND	25.420	25.000	ug/L	2.2	102	20	70 - 130	
Trichloroethene	MS	1221110-01	ND	24.380	25.000	ug/L		97.5		70 - 130	
	MSD	1221110-01	ND	24.440	25.000	ug/L	0.2	97.8	20	70 - 130	
1,2-Dichloroethane-d4 (Surrogate)	MS	1221110-01	ND	10.320	10.000	ug/L		103		75 - 125	
	MSD	1221110-01	ND	9.9600	10.000	ug/L	3.6	99.6		75 - 125	
Toluene-d8 (Surrogate)	MS	1221110-01	ND	9.9800	10.000	ug/L		99.8		80 - 120	
	MSD	1221110-01	ND	9.8700	10.000	ug/L	1.1	98.7		80 - 120	
4-Bromofluorobenzene (Surrogate)	MS	1221110-01	ND	9.7900	10.000	ug/L		97.9		80 - 120	
	MSD	1221110-01	ND	9.9200	10.000	ug/L	1.3	99.2		80 - 120	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Golder Associates
425 Lakeside Drive
Sunnyvale, CA 94085

Reported: 11/16/2012 14:14
Project: John Smith Road LF
Project Number: 053747313
Project Manager: Tom Vercoutere

Water Analysis (General Chemistry)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: BVK0361						
Nitrate/Nitrite as N	BVK0361-BLK1	ND	mg/L	0.10	0.010	
QC Batch ID: BVK0389						
Chloride	BVK0389-BLK1	0.16500	mg/L	0.50	0.066	J
QC Batch ID: BVK0406						
Bicarbonate Alkalinity as CaCO3	BVK0406-BLK1	ND	mg/L	4.1	4.1	
QC Batch ID: BVK0407						
Bicarbonate Alkalinity as CaCO3	BVK0407-BLK1	ND	mg/L	4.1	4.1	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Golder Associates
425 Lakeside Drive
Sunnyvale, CA 94085

Reported: 11/16/2012 14:14
Project: John Smith Road LF
Project Number: 053747313
Project Manager: Tom Vercoutere

Water Analysis (General Chemistry)

Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits Percent Recovery	Control Limits RPD	Lab Quals
QC Batch ID: BVK0361										
Nitrate/Nitrite as N	BVK0361-BS1	LCS	1.9993	2.0000	mg/L	100		90 - 110		
QC Batch ID: BVK0389										
Chloride	BVK0389-BS1	LCS	52.668	50.000	mg/L	105		90 - 110		
QC Batch ID: BVK0406										
pH	BVK0406-BS2	LCS	7.0200	7.0000	pH Units	100		95 - 105		
Electrical Conductivity @ 25 C	BVK0406-BS1	LCS	330.00	303.00	umhos/cm	109		90 - 110		
QC Batch ID: BVK0407										
pH	BVK0407-BS2	LCS	7.0200	7.0000	pH Units	100		95 - 105		
Electrical Conductivity @ 25 C	BVK0407-BS1	LCS	331.50	303.00	umhos/cm	109		90 - 110		

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Golder Associates
425 Lakeside Drive
Sunnyvale, CA 94085

Reported: 11/16/2012 14:14
Project: John Smith Road LF
Project Number: 053747313
Project Manager: Tom Vercoutere

Water Analysis (General Chemistry)

Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
QC Batch ID: BVK0361	Used client sample: Y - Description: CP-25, 11/01/2012 12:01										
Nitrate/Nitrite as N	DUP	1221185-01	0.026900	0.026000		mg/L	3.4		10		J
	MS	1221185-01	0.026900	2.1216	2.1053	mg/L		99.5		90 - 110	
	MSD	1221185-01	0.026900	2.0584	2.1053	mg/L	3.0	96.5	10	90 - 110	
QC Batch ID: BVK0389	Used client sample: Y - Description: G-30, 10/30/2012 15:10										
Chloride	DUP	1221141-23	238.27	241.33		mg/L	1.3		10		
	MS	1221141-23	238.27	346.50	101.01	mg/L		107		80 - 120	
	MSD	1221141-23	238.27	346.20	101.01	mg/L	0.1	107	10	80 - 120	
QC Batch ID: BVK0406	Used client sample: N										
Bicarbonate Alkalinity as CaCO3	DUP	1221162-01	174.04	174.80		mg/L	0.4		10		
pH	DUP	1221162-01	7.7500	7.7600		pH Units	0.1		20		
Electrical Conductivity @ 25 C	DUP	1221162-01	900.20	904.40		umhos/cm	0.5		10		
QC Batch ID: BVK0407	Used client sample: Y - Description: E-15, 11/01/2012 10:01										
Bicarbonate Alkalinity as CaCO3	DUP	1221185-04	361.77	363.90		mg/L	0.6		10		
pH	DUP	1221185-04	7.4200	7.4500		pH Units	0.4		20		
Electrical Conductivity @ 25 C	DUP	1221185-04	5442.0	5442.0		umhos/cm	0		10		

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Golder Associates 425 Lakeside Drive Sunnyvale, CA 94085	**Reported:** 11/16/2012 14:14 Project: John Smith Road LF Project Number: 053747313 Project Manager: Tom Vercoutere

Notes And Definitions

J	Estimated Value (CLP Flag)
MDL	Method Detection Limit
ND	Analyte Not Detected at or above the reporting limit
PQL	Practical Quantitation Limit
RPD	Relative Percent Difference
A01	PQL's and MDL's are raised due to sample dilution.
S05	The sample holding time was exceeded.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Date of Report: 11/20/2012

Tom Vercoutere

Golder Associates
425 Lakeside Drive
Sunnyvale, CA 94085

Project: John Smith Road LF
BC Work Order: 1221324
Invoice ID: B134553

Enclosed are the results of analyses for samples received by the laboratory on 11/6/2012. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Linda Phoudamneun

Contact Person: Linda Phoudamneun
Client Service Rep

Authorized Signature

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Table of Contents

Sample Information

Executive Summary - Detections..... 3
Chain of Custody and Cooler Receipt form..... 5
Laboratory / Client Sample Cross Reference..... 7

Sample Results

1221324-01 - WA-9
Volatile Organic Analysis (EPA Method 8260)..... 10

1221324-02 - WA-11
Volatile Organic Analysis (EPA Method 8260)..... 13
Water Analysis (General Chemistry)..... 16

1221324-03 - WA-12
Volatile Organic Analysis (EPA Method 8260)..... 17

1221324-04 - WA-15
Volatile Organic Analysis (EPA Method 8260)..... 20
Water Analysis (General Chemistry)..... 23

1221324-05 - WA-20
Volatile Organic Analysis (EPA Method 8260)..... 24

1221324-06 - LFG Condensate
Volatile Organic Analysis (EPA Method 8260)..... 27

1221324-07 - Trip Blank
Volatile Organic Analysis (EPA Method 8260)..... 30

Quality Control Reports

Volatile Organic Analysis (EPA Method 8260)
Method Blank Analysis..... 33
Laboratory Control Sample..... 36
Precision and Accuracy..... 37

Water Analysis (General Chemistry)
Method Blank Analysis..... 38
Laboratory Control Sample..... 39
Precision and Accuracy..... 40

Notes

Notes and Definitions..... 41

Executive Summary - Detections

Constituent	Result	PQL	MDL	Units	Method	Lab Quals
1221324-02 John Smith Road, WA-11, WA-11, 11/2/2012 1:11:00PM						
Bicarbonate Alkalinity as CaCO3	610	8.2	8.2	mg/L	EPA-310.1	
Chloride	630	5.0	0.66	mg/L	EPA-300.0	A01
Nitrate/Nitrite as N	7.0	0.50	0.050	mg/L	EPA-353.2	A01
pH	7.24	0.05	0.05	pH Units	EPA-150.1	S05
Electrical Conductivity @ 25 C	5980	1.00	1.00	umhos/cm	EPA-120.1	
1221324-03 John Smith Road, WA-12, WA-12, 11/2/2012 2:11:00PM						
Chlorobenzene	0.12	1.0	0.093	ug/L	EPA-8260B	J
Dichlorodifluoromethane	1.4	1.0	0.099	ug/L	EPA-8260B	
1,1-Dichloroethane	0.28	1.0	0.11	ug/L	EPA-8260B	J
1,2-Dichloroethane	0.75	1.0	0.17	ug/L	EPA-8260B	J
cis-1,2-Dichloroethene	8.3	1.0	0.085	ug/L	EPA-8260B	
trans-1,2-Dichloroethene	0.39	1.0	0.15	ug/L	EPA-8260B	J
1,2-Dichloropropane	1.8	1.0	0.13	ug/L	EPA-8260B	
Tetrachloroethene	4.1	1.0	0.13	ug/L	EPA-8260B	
Trichloroethene	7.1	1.0	0.085	ug/L	EPA-8260B	
Vinyl chloride	0.25	1.0	0.12	ug/L	EPA-8260B	J
1221324-04 John Smith Road, WA-15, WA-15, 11/2/2012 10:11:00AM						
Bicarbonate Alkalinity as CaCO3	350	8.2	8.2	mg/L	EPA-310.1	
Chloride	790	5.0	0.66	mg/L	EPA-300.0	A01
Nitrate/Nitrite as N	0.23	0.10	0.010	mg/L	EPA-353.2	
pH	7.58	0.05	0.05	pH Units	EPA-150.1	S05
Electrical Conductivity @ 25 C	6630	1.00	1.00	umhos/cm	EPA-120.1	
1221324-05 John Smith Road, WA-20, WA-20, 11/2/2012 12:11:00PM						
Tetrachloroethene	0.24	1.0	0.13	ug/L	EPA-8260B	J
Trichloroethene	0.48	1.0	0.085	ug/L	EPA-8260B	J
1221324-06 John Smith Road, LFG Condensate, LFG Condensate, 11/2/2012 2:11:00PM						
Benzene	17	1.0	0.083	ug/L	EPA-8260B	
Bromobenzene	0.31	1.0	0.13	ug/L	EPA-8260B	J
n-Butylbenzene	0.67	1.0	0.11	ug/L	EPA-8260B	J
sec-Butylbenzene	1.3	1.0	0.15	ug/L	EPA-8260B	
Chlorobenzene	3.0	1.0	0.093	ug/L	EPA-8260B	
Chloroethane	0.93	1.0	0.14	ug/L	EPA-8260B	J
1,2-Dichlorobenzene	4.3	1.0	0.072	ug/L	EPA-8260B	
1,4-Dichlorobenzene	43	1.0	0.062	ug/L	EPA-8260B	
Dichlorodifluoromethane	0.26	1.0	0.099	ug/L	EPA-8260B	J
1,1-Dichloroethane	0.64	1.0	0.11	ug/L	EPA-8260B	J
1,2-Dichloroethane	3.6	1.0	0.17	ug/L	EPA-8260B	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Executive Summary - Detections

Constituent	Result	PQL	MDL	Units	Method	Lab Quals
1221324-06 John Smith Road, LFG Condensate, LFG Condensate, 11/2/2012 2:11:00PM						
cis-1,2-Dichloroethene	17	1.0	0.085	ug/L	EPA-8260B	
1,2-Dichloropropane	0.70	1.0	0.13	ug/L	EPA-8260B	J
Ethylbenzene	120	25	2.4	ug/L	EPA-8260B	A01
Isopropylbenzene	9.6	1.0	0.14	ug/L	EPA-8260B	
Methylene chloride	1.4	1.0	0.48	ug/L	EPA-8260B	
Methyl t-butyl ether	13	1.0	0.11	ug/L	EPA-8260B	
Naphthalene	100	1.0	0.36	ug/L	EPA-8260B	
n-Propylbenzene	6.6	1.0	0.11	ug/L	EPA-8260B	
Styrene	17	1.0	0.068	ug/L	EPA-8260B	
Tetrachloroethene	2.2	1.0	0.13	ug/L	EPA-8260B	
Toluene	220	25	2.3	ug/L	EPA-8260B	A01
1,2,3-Trichlorobenzene	0.81	1.0	0.16	ug/L	EPA-8260B	J
1,2,4-Trichlorobenzene	0.81	1.0	0.19	ug/L	EPA-8260B	J
Trichloroethene	2.2	1.0	0.085	ug/L	EPA-8260B	
1,2,4-Trimethylbenzene	45	1.0	0.12	ug/L	EPA-8260B	
1,3,5-Trimethylbenzene	14	1.0	0.12	ug/L	EPA-8260B	
Vinyl chloride	1.0	1.0	0.12	ug/L	EPA-8260B	
Total Xylenes	240	1.0	0.36	ug/L	EPA-8260B	
Acetone	7900	250	120	ug/L	EPA-8260B	A01
t-Amyl Methyl ether	0.95	1.0	0.25	ug/L	EPA-8260B	J
t-Butyl alcohol	7300	250	240	ug/L	EPA-8260B	A01
Diisopropyl ether	0.28	1.0	0.23	ug/L	EPA-8260B	J
Ethyl t-butyl ether	0.32	1.0	0.18	ug/L	EPA-8260B	J
2-Hexanone	81	20	3.4	ug/L	EPA-8260B	
Methyl ethyl ketone	7200	250	62	ug/L	EPA-8260B	A01
Methyl isobutyl ketone	830	250	52	ug/L	EPA-8260B	A01

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Golder Associates

Golder Associates
CHAIN OF CUSTODY

12-21324

Page 1 of 1
Quotation No.

PROJECT NO.: 0537747313
SITE NAME: John Smith
SAMPLER(S): Michael Pierce (printed) (signature)
CONTRACT LABORATORY: BC Labs
TURN-AROUND TIME: Standard

ANALYSES: 8260 Appl, TBME, Water; 8260 ETBE, DIPE, ETBE, TBA; 8260 Appl, TBME, DIPE, ETBE, TBA, 1,4 dioxane; pH; EC; Bicarbonate, Chloride, Nitrate + Nitrite; Alkalinity

EDD required? ☑ Yes ☐ No
EDF required? ☑ Yes ☐ No

Sample I.D.	Lab I.D.	Collection Date	Collection Time	Matrix	Depth	Container Info: Type/Vol.	Filter	Preserv.	8260 Appl, TBME, Water (40 mL VOA)	8260 ETBE, DIPE, ETBE, TBA (40 mL VOA)	pH, EC, Bicarbonate, Chloride (1 L Poly)	Nitrate + Nitrite, Alkalinity (1 L Poly)	Cont. Qty.	Remarks
WA-9	-1	11/02/12	1111	gw			N	HCL	3				3	
WA-11	-2		1311				N	HCL		3	1	1	5	
WA-12	-3		1411				N	HCL	3				3	
WA-15	-4		1011				N	None		3	1	2	6	m/s/msd on WA-15
WA-20	-5		1211				N	HCL	3				3	
Eq Condensate	-6		1441	condensate			N	H2SO4	3				3	

Report MDL/PQL and J flags

Bill analytical charges directly to San Benito County

CHK BY: BLT
DISTRIBUTION: MP JKP; BC 11/6; SUB-OUT ☐

Relinquished by: (signature)	Received by: (signature)	Date/Time:
	[signature] BC	11/5/12 1530
[signature] BC Lab GSO 11/5/12 1640	[signature]	11/6/12 9:15
Relinquished by: (signature)	Received by: (signature)	Date/Time:

SEND RESULTS TO:
Attn: Tom Vercuteve
Golder Associates Inc.
425 Lakeside Drive
Sunnyvale, CA 94085
Phone (408) 220-9223
Fax (408) 220-9224

white: lab copy yellow: project file

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

4100 Atlas Court Bakersfield, CA 93308 (661) 327-4911 FAX (661) 327-1918 www.bclabs.com

Chain of Custody and Cooler Receipt Form for 1221324 Page 2 of 2

BC LABORATORIES INC. COOLER RECEIPT FORM Rev. No. 13 08/17/12 Page 1 Of 1

Submission #: 12-21324

SHIPPING INFORMATION
Federal Express ☐ UPS ☐ Hand Delivery ☐
BC Lab Field Service ☐ Other ☒ (Specify) GSO

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

Emissivity: 0.95 Container: VOA Thermometer ID: 207
Temperature: (A) 2.6 °C / (C) 2.7 °C

Date/Time 11/6/12
Analyst Ini MAM 9:15

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		C		CD						
PT TOTAL ORGANIC CARBON										
PT TOX										
PT CHEMICAL OXYGEN DEMAND										
PIA PHENOLICS										
40ml VOA VIAL TRAVEL BLANK							A (3)			
40ml VOA VIAL	A (3)	A (3)	A (3)	A (5)	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 AMBER										
8 OZ. JAR										
32 OZ. JAR										
SOIL SLEEVE										
PCB VIAL										
PLASTIC BAG										
FERROUS IRON										
ENCORE										
SMART KIT										

Comments:
Sample Numbering Completed By: BLT Date/Time: 11/6/12 @ 1000
A = Actual / C = Corrected

Golder Associates
425 Lakeside Drive
Sunnyvale, CA 94085

Reported: 11/20/2012 11:49
Project: John Smith Road LF
Project Number: 053-747-313
Project Manager: Tom Vercoutere

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information			
1221324-01	**COC Number:**	---	**Receive Date:**	11/06/2012 09:15
	Project Number:	John Smith Road	**Sampling Date:**	11/02/2012 11:11
	Sampling Location:	WA-9	**Sample Depth:**	---
	Sampling Point:	WA-9	**Lab Matrix:**	Water
	Sampled By:	GAMV	**Sample Type:**	Groundwater
			Delivery Work Order:	
			Global ID: L10008478954	
			Location ID (FieldPoint): WA-9	
			Matrix: W	
			Sample QC Type (SACode): CS	
			Cooler ID:	
1221324-02	**COC Number:**	---	**Receive Date:**	11/06/2012 09:15
	Project Number:	John Smith Road	**Sampling Date:**	11/02/2012 13:11
	Sampling Location:	WA-11	**Sample Depth:**	---
	Sampling Point:	WA-11	**Lab Matrix:**	Water
	Sampled By:	GAMV	**Sample Type:**	Groundwater
			Delivery Work Order:	
			Global ID: L10008478954	
			Location ID (FieldPoint): WA-11	
			Matrix: W	
			Sample QC Type (SACode): CS	
			Cooler ID:	
1221324-03	**COC Number:**	---	**Receive Date:**	11/06/2012 09:15
	Project Number:	John Smith Road	**Sampling Date:**	11/02/2012 14:11
	Sampling Location:	WA-12	**Sample Depth:**	---
	Sampling Point:	WA-12	**Lab Matrix:**	Water
	Sampled By:	GAMV	**Sample Type:**	Groundwater
			Delivery Work Order:	
			Global ID: L10008478954	
			Location ID (FieldPoint): WA-12	
			Matrix: W	
			Sample QC Type (SACode): CS	
			Cooler ID:	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Golder Associates
425 Lakeside Drive
Sunnyvale, CA 94085

Reported: 11/20/2012 11:49
Project: John Smith Road LF
Project Number: 053-747-313
Project Manager: Tom Vercoutere

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information			
1221324-04	**COC Number:**	---	**Receive Date:**	11/06/2012 09:15
	Project Number:	John Smith Road	**Sampling Date:**	11/02/2012 10:11
	Sampling Location:	WA-15	**Sample Depth:**	---
	Sampling Point:	WA-15	**Lab Matrix:**	Water
	Sampled By:	GAMV	**Sample Type:**	Groundwater
			Delivery Work Order:	
			Global ID: L10008478954	
			Location ID (FieldPoint): WA-15	
			Matrix: W	
			Sample QC Type (SACode): CS	
			Cooler ID:	
1221324-05	**COC Number:**	---	**Receive Date:**	11/06/2012 09:15
	Project Number:	John Smith Road	**Sampling Date:**	11/02/2012 12:11
	Sampling Location:	WA-20	**Sample Depth:**	---
	Sampling Point:	WA-20	**Lab Matrix:**	Water
	Sampled By:	GAMV	**Sample Type:**	Groundwater
			Delivery Work Order:	
			Global ID: L10008478954	
			Location ID (FieldPoint): WA-20	
			Matrix: W	
			Sample QC Type (SACode): CS	
			Cooler ID:	
1221324-06	**COC Number:**	---	**Receive Date:**	11/06/2012 09:15
	Project Number:	John Smith Road	**Sampling Date:**	11/02/2012 14:11
	Sampling Location:	LFG Condensate	**Sample Depth:**	---
	Sampling Point:	LFG Condensate	**Lab Matrix:**	Water
	Sampled By:	GAMV	**Sample Type:**	Groundwater
			Delivery Work Order:	
			Global ID: L10008478954	
			Location ID (FieldPoint): LFG Condensate	
			Matrix: W	
			Sample QC Type (SACode): CS	
			Cooler ID:	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Golder Associates
425 Lakeside Drive
Sunnyvale, CA 94085

Reported: 11/20/2012 11:49
Project: John Smith Road LF
Project Number: 053-747-313
Project Manager: Tom Vercoutere

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information			
1221324-07	**COC Number:**	---	**Receive Date:**	11/06/2012 09:15
	Project Number:	John Smith Road	**Sampling Date:**	11/02/2012 00:00
	Sampling Location:	Trip Blank	**Sample Depth:**	---
	Sampling Point:	Trip Blank	**Lab Matrix:**	Water
	Sampled By:	GAMV	**Sample Type:**	Trip Blank
			Delivery Work Order:	
			Global ID: L10008478954	
			Location ID (FieldPoint): Trip Blank	
			Matrix: W	
			Sample QC Type (SACode): CS	
			Cooler ID:	

Golder Associates
425 Lakeside Drive
Sunnyvale, CA 94085

Reported: 11/20/2012 11:49
Project: John Smith Road LF
Project Number: 053-747-313
Project Manager: Tom Vercoutere

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1221324-01 | **Client Sample Name:** John Smith Road, WA-9, WA-9, 11/2/2012 11:11:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	ug/L	1.0	0.083	EPA-8260B	ND		1
Bromobenzene	ND	ug/L	1.0	0.13	EPA-8260B	ND		1
Bromochloromethane	ND	ug/L	1.0	0.24	EPA-8260B	ND		1
Bromodichloromethane	ND	ug/L	1.0	0.14	EPA-8260B	ND		1
Bromoform	ND	ug/L	1.0	0.27	EPA-8260B	ND		1
Bromomethane	ND	ug/L	1.0	0.25	EPA-8260B	ND		1
n-Butylbenzene	ND	ug/L	1.0	0.11	EPA-8260B	ND		1
sec-Butylbenzene	ND	ug/L	1.0	0.15	EPA-8260B	ND		1
tert-Butylbenzene	ND	ug/L	1.0	0.13	EPA-8260B	ND		1
Carbon tetrachloride	ND	ug/L	1.0	0.18	EPA-8260B	ND		1
Chlorobenzene	ND	ug/L	1.0	0.093	EPA-8260B	ND		1
Chloroethane	ND	ug/L	1.0	0.14	EPA-8260B	ND		1
Chloroform	ND	ug/L	1.0	0.12	EPA-8260B	ND		1
Chloromethane	ND	ug/L	1.0	0.14	EPA-8260B	ND		1
2-Chlorotoluene	ND	ug/L	1.0	0.20	EPA-8260B	ND		1
4-Chlorotoluene	ND	ug/L	1.0	0.15	EPA-8260B	ND		1
Dibromochloromethane	ND	ug/L	1.0	0.13	EPA-8260B	ND		1
1,2-Dibromo-3-chloropropane	ND	ug/L	1.0	0.44	EPA-8260B	ND		1
1,2-Dibromoethane	ND	ug/L	1.0	0.16	EPA-8260B	ND		1
Dibromomethane	ND	ug/L	1.0	0.24	EPA-8260B	ND		1
1,2-Dichlorobenzene	ND	ug/L	1.0	0.072	EPA-8260B	ND		1
1,3-Dichlorobenzene	ND	ug/L	1.0	0.15	EPA-8260B	ND		1
1,4-Dichlorobenzene	ND	ug/L	1.0	0.062	EPA-8260B	ND		1
Dichlorodifluoromethane	ND	ug/L	1.0	0.099	EPA-8260B	ND		1
1,1-Dichloroethane	ND	ug/L	1.0	0.11	EPA-8260B	ND		1
1,2-Dichloroethane	ND	ug/L	1.0	0.17	EPA-8260B	ND		1
1,1-Dichloroethene	ND	ug/L	1.0	0.18	EPA-8260B	ND		1
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.085	EPA-8260B	ND		1
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.15	EPA-8260B	ND		1
1,2-Dichloropropane	ND	ug/L	1.0	0.13	EPA-8260B	ND		1
1,3-Dichloropropane	ND	ug/L	1.0	0.086	EPA-8260B	ND		1
2,2-Dichloropropane	ND	ug/L	1.0	0.13	EPA-8260B	ND		1
1,1-Dichloropropene	ND	ug/L	1.0	0.085	EPA-8260B	ND		1

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Golder Associates
425 Lakeside Drive
Sunnyvale, CA 94085

Reported: 11/20/2012 11:49
Project: John Smith Road LF
Project Number: 053-747-313
Project Manager: Tom Vercoutere

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1221324-01 | **Client Sample Name:** John Smith Road, WA-9, WA-9, 11/2/2012 11:11:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.14	EPA-8260B	ND		1
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.079	EPA-8260B	ND		1
Ethylbenzene	ND	ug/L	1.0	0.098	EPA-8260B	ND		1
Hexachlorobutadiene	ND	ug/L	1.0	0.17	EPA-8260B	ND		1
Isopropylbenzene	ND	ug/L	1.0	0.14	EPA-8260B	ND		1
Methylene chloride	ND	ug/L	1.0	0.48	EPA-8260B	ND		1
Methyl t-butyl ether	ND	ug/L	1.0	0.11	EPA-8260B	ND		1
Naphthalene	ND	ug/L	1.0	0.36	EPA-8260B	ND		1
n-Propylbenzene	ND	ug/L	1.0	0.11	EPA-8260B	ND		1
Styrene	ND	ug/L	1.0	0.068	EPA-8260B	ND		1
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.18	EPA-8260B	ND		1
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.17	EPA-8260B	ND		1
Tetrachloroethene	ND	ug/L	1.0	0.13	EPA-8260B	ND		1
Toluene	ND	ug/L	1.0	0.093	EPA-8260B	ND		1
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.16	EPA-8260B	ND		1
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.19	EPA-8260B	ND		1
1,1,1-Trichloroethane	ND	ug/L	1.0	0.11	EPA-8260B	ND		1
1,1,2-Trichloroethane	ND	ug/L	1.0	0.16	EPA-8260B	ND		1
Trichloroethene	ND	ug/L	1.0	0.085	EPA-8260B	ND		1
Trichlorofluoromethane	ND	ug/L	1.0	0.13	EPA-8260B	ND		1
1,2,3-Trichloropropane	ND	ug/L	1.0	0.24	EPA-8260B	ND		1
1,2,4-Trimethylbenzene	ND	ug/L	1.0	0.12	EPA-8260B	ND		1
1,3,5-Trimethylbenzene	ND	ug/L	1.0	0.12	EPA-8260B	ND		1
Vinyl chloride	ND	ug/L	1.0	0.12	EPA-8260B	ND		1
Total Xylenes	ND	ug/L	1.0	0.36	EPA-8260B	ND		1
Acetone	ND	ug/L	10	4.6	EPA-8260B	ND		1
Acrolein	ND	ug/L	20	7.9	EPA-8260B	ND		1
Acrylonitrile	ND	ug/L	5.0	1.2	EPA-8260B	ND		1
t-Amyl Methyl ether	ND	ug/L	1.0	0.25	EPA-8260B	ND		1
t-Butyl alcohol	ND	ug/L	10	9.4	EPA-8260B	ND		1
Carbon disulfide	ND	ug/L	1.0	0.38	EPA-8260B	ND		1
trans-1,4-Dichloro-2-butene	ND	ug/L	5.0	1.4	EPA-8260B	ND		1
Diisopropyl ether	ND	ug/L	1.0	0.23	EPA-8260B	ND		1

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Golder Associates
425 Lakeside Drive
Sunnyvale, CA 94085

Reported: 11/20/2012 11:49
Project: John Smith Road LF
Project Number: 053-747-313
Project Manager: Tom Vercoutere

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1221324-01 | **Client Sample Name:** John Smith Road, WA-9, WA-9, 11/2/2012 11:11:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Ethyl t-butyl ether	ND	ug/L	1.0	0.18	EPA-8260B	ND		1
2-Hexanone	ND	ug/L	20	3.4	EPA-8260B	ND		1
Methyl ethyl ketone	ND	ug/L	10	2.5	EPA-8260B	ND		1
Methyl iodide	ND	ug/L	20	0.47	EPA-8260B	ND		1
Methyl isobutyl ketone	ND	ug/L	10	2.1	EPA-8260B	ND		1
Vinyl acetate	ND	ug/L	10	1.8	EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	111	%	75 - 125 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	96.9	%	80 - 120 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	88.1	%	80 - 120 (LCL - UCL)		EPA-8260B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	11/08/12	11/09/12 01:48	MGC	MS-V5	1	BVK0566

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Golder Associates
425 Lakeside Drive
Sunnyvale, CA 94085

Reported: 11/20/2012 11:49
Project: John Smith Road LF
Project Number: 053-747-313
Project Manager: Tom Vercoutere

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1221324-02 | **Client Sample Name:** John Smith Road, WA-11, WA-11, 11/2/2012 1:11:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	ug/L	0.50	0.083	EPA-8260B	ND		1
Bromobenzene	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
Bromochloromethane	ND	ug/L	0.50	0.24	EPA-8260B	ND		1
Bromodichloromethane	ND	ug/L	0.50	0.14	EPA-8260B	ND		1
Bromoform	ND	ug/L	0.50	0.27	EPA-8260B	ND		1
Bromomethane	ND	ug/L	1.0	0.25	EPA-8260B	ND		1
n-Butylbenzene	ND	ug/L	0.50	0.11	EPA-8260B	ND		1
sec-Butylbenzene	ND	ug/L	0.50	0.15	EPA-8260B	ND		1
tert-Butylbenzene	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
Carbon tetrachloride	ND	ug/L	0.50	0.18	EPA-8260B	ND		1
Chlorobenzene	ND	ug/L	0.50	0.093	EPA-8260B	ND		1
Chloroethane	ND	ug/L	0.50	0.14	EPA-8260B	ND		1
Chloroform	ND	ug/L	0.50	0.12	EPA-8260B	ND		1
Chloromethane	ND	ug/L	0.50	0.14	EPA-8260B	ND		1
2-Chlorotoluene	ND	ug/L	0.50	0.20	EPA-8260B	ND		1
4-Chlorotoluene	ND	ug/L	0.50	0.15	EPA-8260B	ND		1
Dibromochloromethane	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
1,2-Dibromo-3-chloropropane	ND	ug/L	1.0	0.44	EPA-8260B	ND		1
1,2-Dibromoethane	ND	ug/L	0.50	0.16	EPA-8260B	ND		1
Dibromomethane	ND	ug/L	0.50	0.24	EPA-8260B	ND		1
1,2-Dichlorobenzene	ND	ug/L	0.50	0.072	EPA-8260B	ND		1
1,3-Dichlorobenzene	ND	ug/L	0.50	0.15	EPA-8260B	ND		1
1,4-Dichlorobenzene	ND	ug/L	0.50	0.062	EPA-8260B	ND		1
Dichlorodifluoromethane	ND	ug/L	0.50	0.099	EPA-8260B	ND		1
1,1-Dichloroethane	ND	ug/L	0.50	0.11	EPA-8260B	ND		1
1,2-Dichloroethane	ND	ug/L	0.50	0.17	EPA-8260B	ND		1
1,1-Dichloroethene	ND	ug/L	0.50	0.18	EPA-8260B	ND		1
cis-1,2-Dichloroethene	ND	ug/L	0.50	0.085	EPA-8260B	ND		1
trans-1,2-Dichloroethene	ND	ug/L	0.50	0.15	EPA-8260B	ND		1
1,2-Dichloropropane	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
1,3-Dichloropropane	ND	ug/L	0.50	0.086	EPA-8260B	ND		1
2,2-Dichloropropane	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
1,1-Dichloropropene	ND	ug/L	0.50	0.085	EPA-8260B	ND		1

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Golder Associates
425 Lakeside Drive
Sunnyvale, CA 94085

Reported: 11/20/2012 11:49
Project: John Smith Road LF
Project Number: 053-747-313
Project Manager: Tom Vercoutere

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1221324-02 | **Client Sample Name:** John Smith Road, WA-11, WA-11, 11/2/2012 1:11:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	ug/L	0.50	0.14	EPA-8260B	ND		1
trans-1,3-Dichloropropene	ND	ug/L	0.50	0.079	EPA-8260B	ND		1
Ethylbenzene	ND	ug/L	0.50	0.098	EPA-8260B	ND		1
Hexachlorobutadiene	ND	ug/L	0.50	0.17	EPA-8260B	ND		1
Isopropylbenzene	ND	ug/L	0.50	0.14	EPA-8260B	ND		1
Methylene chloride	ND	ug/L	1.0	0.48	EPA-8260B	ND		1
Methyl t-butyl ether	ND	ug/L	0.50	0.11	EPA-8260B	ND		1
Naphthalene	ND	ug/L	0.50	0.36	EPA-8260B	ND		1
n-Propylbenzene	ND	ug/L	0.50	0.11	EPA-8260B	ND		1
Styrene	ND	ug/L	0.50	0.068	EPA-8260B	ND		1
1,1,1,2-Tetrachloroethane	ND	ug/L	0.50	0.18	EPA-8260B	ND		1
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50	0.17	EPA-8260B	ND		1
Tetrachloroethene	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
Toluene	ND	ug/L	0.50	0.093	EPA-8260B	ND		1
1,2,3-Trichlorobenzene	ND	ug/L	0.50	0.16	EPA-8260B	ND		1
1,2,4-Trichlorobenzene	ND	ug/L	0.50	0.19	EPA-8260B	ND		1
1,1,1-Trichloroethane	ND	ug/L	0.50	0.11	EPA-8260B	ND		1
1,1,2-Trichloroethane	ND	ug/L	0.50	0.16	EPA-8260B	ND		1
Trichloroethene	ND	ug/L	0.50	0.085	EPA-8260B	ND		1
Trichlorofluoromethane	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
1,2,3-Trichloropropane	ND	ug/L	1.0	0.24	EPA-8260B	ND		1
1,2,4-Trimethylbenzene	ND	ug/L	0.50	0.12	EPA-8260B	ND		1
1,3,5-Trimethylbenzene	ND	ug/L	0.50	0.12	EPA-8260B	ND		1
Vinyl chloride	ND	ug/L	0.50	0.12	EPA-8260B	ND		1
Total Xylenes	ND	ug/L	1.0	0.36	EPA-8260B	ND		1
Acetone	ND	ug/L	10	4.6	EPA-8260B	ND		1
Acrolein	ND	ug/L	20	7.9	EPA-8260B	ND		1
Acrylonitrile	ND	ug/L	5.0	1.2	EPA-8260B	ND		1
t-Amyl Methyl ether	ND	ug/L	0.50	0.25	EPA-8260B	ND		1
t-Butyl alcohol	ND	ug/L	10	9.4	EPA-8260B	ND		1
Carbon disulfide	ND	ug/L	1.0	0.38	EPA-8260B	ND		1
trans-1,4-Dichloro-2-butene	ND	ug/L	5.0	1.4	EPA-8260B	ND		1
Diisopropyl ether	ND	ug/L	0.50	0.23	EPA-8260B	ND		1

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Golder Associates
425 Lakeside Drive
Sunnyvale, CA 94085

Reported: 11/20/2012 11:49
Project: John Smith Road LF
Project Number: 053-747-313
Project Manager: Tom Vercoutere

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1221324-02 | **Client Sample Name:** John Smith Road, WA-11, WA-11, 11/2/2012 1:11:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
1,4-Dioxane	ND	ug/L	100	42	EPA-8260B	ND		1
Ethyl t-butyl ether	ND	ug/L	0.50	0.18	EPA-8260B	ND		1
2-Hexanone	ND	ug/L	10	3.4	EPA-8260B	ND		1
Methyl ethyl ketone	ND	ug/L	10	2.5	EPA-8260B	ND		1
Methyl iodide	ND	ug/L	2.0	0.47	EPA-8260B	ND		1
Methyl isobutyl ketone	ND	ug/L	10	2.1	EPA-8260B	ND		1
Vinyl acetate	ND	ug/L	10	1.8	EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	111	%	75 - 125 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	97.5	%	80 - 120 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	86.7	%	80 - 120 (LCL - UCL)		EPA-8260B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	11/08/12	11/09/12 02:11	MGC	MS-V5	1	BVK0566

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Golder Associates
425 Lakeside Drive
Sunnyvale, CA 94085

Reported: 11/20/2012 11:49
Project: John Smith Road LF
Project Number: 053-747-313
Project Manager: Tom Vercoutere

Water Analysis (General Chemistry)

BCL Sample ID: 1221324-02 | **Client Sample Name:** John Smith Road, WA-11, WA-11, 11/2/2012 1:11:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Bicarbonate Alkalinity as CaCO3	**610**	**mg/L**	**8.2**	**8.2**	**EPA-310.1**	ND		1
Chloride	**630**	**mg/L**	**5.0**	**0.66**	**EPA-300.0**	3.9	**A01**	2
Nitrate/Nitrite as N	**7.0**	**mg/L**	**0.50**	**0.050**	**EPA-353.2**	ND	**A01**	3
pH	**7.24**	**pH Units**	**0.05**	**0.05**	**EPA-150.1**		**S05**	4
Electrical Conductivity @ 25 C	**5980**	**umhos/cm**	**1.00**	**1.00**	**EPA-120.1**			5

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-310.1	11/08/12	11/08/12 15:37	RML	MET-1	2	BVK0604
2	EPA-300.0	11/13/12	11/13/12 16:58	LS1	IC1	10	BVK0938
3	EPA-353.2	11/13/12	11/13/12 14:53	SDU	SC-1	5	BVK0891
4	EPA-150.1	11/08/12	11/08/12 15:37	RML	MET-1	1	BVK0604
5	EPA-120.1	11/08/12	11/08/12 15:37	RML	MET-1	1	BVK0604

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Golder Associates
425 Lakeside Drive
Sunnyvale, CA 94085

Reported: 11/20/2012 11:49
Project: John Smith Road LF
Project Number: 053-747-313
Project Manager: Tom Vercoutere

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1221324-03 | **Client Sample Name:** John Smith Road, WA-12, WA-12, 11/2/2012 2:11:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	ug/L	1.0	0.083	EPA-8260B	ND		1
Bromobenzene	ND	ug/L	1.0	0.13	EPA-8260B	ND		1
Bromochloromethane	ND	ug/L	1.0	0.24	EPA-8260B	ND		1
Bromodichloromethane	ND	ug/L	1.0	0.14	EPA-8260B	ND		1
Bromoform	ND	ug/L	1.0	0.27	EPA-8260B	ND		1
Bromomethane	ND	ug/L	1.0	0.25	EPA-8260B	ND		1
n-Butylbenzene	ND	ug/L	1.0	0.11	EPA-8260B	ND		1
sec-Butylbenzene	ND	ug/L	1.0	0.15	EPA-8260B	ND		1
tert-Butylbenzene	ND	ug/L	1.0	0.13	EPA-8260B	ND		1
Carbon tetrachloride	ND	ug/L	1.0	0.18	EPA-8260B	ND		1
Chlorobenzene	**0.12**	**ug/L**	**1.0**	**0.093**	**EPA-8260B**	ND	**J**	1
Chloroethane	ND	ug/L	1.0	0.14	EPA-8260B	ND		1
Chloroform	ND	ug/L	1.0	0.12	EPA-8260B	ND		1
Chloromethane	ND	ug/L	1.0	0.14	EPA-8260B	ND		1
2-Chlorotoluene	ND	ug/L	1.0	0.20	EPA-8260B	ND		1
4-Chlorotoluene	ND	ug/L	1.0	0.15	EPA-8260B	ND		1
Dibromochloromethane	ND	ug/L	1.0	0.13	EPA-8260B	ND		1
1,2-Dibromo-3-chloropropane	ND	ug/L	1.0	0.44	EPA-8260B	ND		1
1,2-Dibromoethane	ND	ug/L	1.0	0.16	EPA-8260B	ND		1
Dibromomethane	ND	ug/L	1.0	0.24	EPA-8260B	ND		1
1,2-Dichlorobenzene	ND	ug/L	1.0	0.072	EPA-8260B	ND		1
1,3-Dichlorobenzene	ND	ug/L	1.0	0.15	EPA-8260B	ND		1
1,4-Dichlorobenzene	ND	ug/L	1.0	0.062	EPA-8260B	ND		1
Dichlorodifluoromethane	**1.4**	**ug/L**	**1.0**	**0.099**	**EPA-8260B**	ND		1
1,1-Dichloroethane	**0.28**	**ug/L**	**1.0**	**0.11**	**EPA-8260B**	ND	**J**	1
1,2-Dichloroethane	**0.75**	**ug/L**	**1.0**	**0.17**	**EPA-8260B**	ND	**J**	1
1,1-Dichloroethene	ND	ug/L	1.0	0.18	EPA-8260B	ND		1
cis-1,2-Dichloroethene	**8.3**	**ug/L**	**1.0**	**0.085**	**EPA-8260B**	ND		1
trans-1,2-Dichloroethene	**0.39**	**ug/L**	**1.0**	**0.15**	**EPA-8260B**	ND	**J**	1
1,2-Dichloropropane	**1.8**	**ug/L**	**1.0**	**0.13**	**EPA-8260B**	ND		1
1,3-Dichloropropane	ND	ug/L	1.0	0.086	EPA-8260B	ND		1
2,2-Dichloropropane	ND	ug/L	1.0	0.13	EPA-8260B	ND		1
1,1-Dichloropropene	ND	ug/L	1.0	0.085	EPA-8260B	ND		1

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Golder Associates
425 Lakeside Drive
Sunnyvale, CA 94085

Reported: 11/20/2012 11:49
Project: John Smith Road LF
Project Number: 053-747-313
Project Manager: Tom Vercoutere

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1221324-03 | **Client Sample Name:** John Smith Road, WA-12, WA-12, 11/2/2012 2:11:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.14	EPA-8260B	ND		1
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.079	EPA-8260B	ND		1
Ethylbenzene	ND	ug/L	1.0	0.098	EPA-8260B	ND		1
Hexachlorobutadiene	ND	ug/L	1.0	0.17	EPA-8260B	ND		1
Isopropylbenzene	ND	ug/L	1.0	0.14	EPA-8260B	ND		1
Methylene chloride	ND	ug/L	1.0	0.48	EPA-8260B	ND		1
Methyl t-butyl ether	ND	ug/L	1.0	0.11	EPA-8260B	ND		1
Naphthalene	ND	ug/L	1.0	0.36	EPA-8260B	ND		1
n-Propylbenzene	ND	ug/L	1.0	0.11	EPA-8260B	ND		1
Styrene	ND	ug/L	1.0	0.068	EPA-8260B	ND		1
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.18	EPA-8260B	ND		1
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.17	EPA-8260B	ND		1
Tetrachloroethene	**4.1**	**ug/L**	**1.0**	**0.13**	**EPA-8260B**	ND		1
Toluene	ND	ug/L	1.0	0.093	EPA-8260B	ND		1
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.16	EPA-8260B	ND		1
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.19	EPA-8260B	ND		1
1,1,1-Trichloroethane	ND	ug/L	1.0	0.11	EPA-8260B	ND		1
1,1,2-Trichloroethane	ND	ug/L	1.0	0.16	EPA-8260B	ND		1
Trichloroethene	**7.1**	**ug/L**	**1.0**	**0.085**	**EPA-8260B**	ND		1
Trichlorofluoromethane	ND	ug/L	1.0	0.13	EPA-8260B	ND		1
1,2,3-Trichloropropane	ND	ug/L	1.0	0.24	EPA-8260B	ND		1
1,2,4-Trimethylbenzene	ND	ug/L	1.0	0.12	EPA-8260B	ND		1
1,3,5-Trimethylbenzene	ND	ug/L	1.0	0.12	EPA-8260B	ND		1
Vinyl chloride	**0.25**	**ug/L**	**1.0**	**0.12**	**EPA-8260B**	ND	**J**	1
Total Xylenes	ND	ug/L	1.0	0.36	EPA-8260B	ND		1
Acetone	ND	ug/L	10	4.6	EPA-8260B	ND		1
Acrolein	ND	ug/L	20	7.9	EPA-8260B	ND		1
Acrylonitrile	ND	ug/L	5.0	1.2	EPA-8260B	ND		1
t-Amyl Methyl ether	ND	ug/L	1.0	0.25	EPA-8260B	ND		1
t-Butyl alcohol	ND	ug/L	10	9.4	EPA-8260B	ND		1
Carbon disulfide	ND	ug/L	1.0	0.38	EPA-8260B	ND		1
trans-1,4-Dichloro-2-butene	ND	ug/L	5.0	1.4	EPA-8260B	ND		1
Diisopropyl ether	ND	ug/L	1.0	0.23	EPA-8260B	ND		1

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Golder Associates
425 Lakeside Drive
Sunnyvale, CA 94085

Reported: 11/20/2012 11:49
Project: John Smith Road LF
Project Number: 053-747-313
Project Manager: Tom Vercoutere

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1221324-03 | **Client Sample Name:** John Smith Road, WA-12, WA-12, 11/2/2012 2:11:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Ethyl t-butyl ether	ND	ug/L	1.0	0.18	EPA-8260B	ND		1
2-Hexanone	ND	ug/L	20	3.4	EPA-8260B	ND		1
Methyl ethyl ketone	ND	ug/L	10	2.5	EPA-8260B	ND		1
Methyl iodide	ND	ug/L	20	0.47	EPA-8260B	ND		1
Methyl isobutyl ketone	ND	ug/L	10	2.1	EPA-8260B	ND		1
Vinyl acetate	ND	ug/L	10	1.8	EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	110	%	75 - 125 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	98.2	%	80 - 120 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	88.4	%	80 - 120 (LCL - UCL)		EPA-8260B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	11/08/12	11/09/12 02:33	MGC	MS-V5	1	BVK0566

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Golder Associates
425 Lakeside Drive
Sunnyvale, CA 94085

Reported: 11/20/2012 11:49
Project: John Smith Road LF
Project Number: 053-747-313
Project Manager: Tom Vercoutere

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1221324-04 | **Client Sample Name:** John Smith Road, WA-15, WA-15, 11/2/2012 10:11:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	ug/L	0.50	0.083	EPA-8260B	ND		1
Bromobenzene	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
Bromochloromethane	ND	ug/L	0.50	0.24	EPA-8260B	ND		1
Bromodichloromethane	ND	ug/L	0.50	0.14	EPA-8260B	ND		1
Bromoform	ND	ug/L	0.50	0.27	EPA-8260B	ND		1
Bromomethane	ND	ug/L	1.0	0.25	EPA-8260B	ND		1
n-Butylbenzene	ND	ug/L	0.50	0.11	EPA-8260B	ND		1
sec-Butylbenzene	ND	ug/L	0.50	0.15	EPA-8260B	ND		1
tert-Butylbenzene	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
Carbon tetrachloride	ND	ug/L	0.50	0.18	EPA-8260B	ND		1
Chlorobenzene	ND	ug/L	0.50	0.093	EPA-8260B	ND		1
Chloroethane	ND	ug/L	0.50	0.14	EPA-8260B	ND		1
Chloroform	ND	ug/L	0.50	0.12	EPA-8260B	ND		1
Chloromethane	ND	ug/L	0.50	0.14	EPA-8260B	ND		1
2-Chlorotoluene	ND	ug/L	0.50	0.20	EPA-8260B	ND		1
4-Chlorotoluene	ND	ug/L	0.50	0.15	EPA-8260B	ND		1
Dibromochloromethane	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
1,2-Dibromo-3-chloropropane	ND	ug/L	1.0	0.44	EPA-8260B	ND		1
1,2-Dibromoethane	ND	ug/L	0.50	0.16	EPA-8260B	ND		1
Dibromomethane	ND	ug/L	0.50	0.24	EPA-8260B	ND		1
1,2-Dichlorobenzene	ND	ug/L	0.50	0.072	EPA-8260B	ND		1
1,3-Dichlorobenzene	ND	ug/L	0.50	0.15	EPA-8260B	ND		1
1,4-Dichlorobenzene	ND	ug/L	0.50	0.062	EPA-8260B	ND		1
Dichlorodifluoromethane	ND	ug/L	0.50	0.099	EPA-8260B	ND		1
1,1-Dichloroethane	ND	ug/L	0.50	0.11	EPA-8260B	ND		1
1,2-Dichloroethane	ND	ug/L	0.50	0.17	EPA-8260B	ND		1
1,1-Dichloroethene	ND	ug/L	0.50	0.18	EPA-8260B	ND		1
cis-1,2-Dichloroethene	ND	ug/L	0.50	0.085	EPA-8260B	ND		1
trans-1,2-Dichloroethene	ND	ug/L	0.50	0.15	EPA-8260B	ND		1
1,2-Dichloropropane	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
1,3-Dichloropropane	ND	ug/L	0.50	0.086	EPA-8260B	ND		1
2,2-Dichloropropane	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
1,1-Dichloropropene	ND	ug/L	0.50	0.085	EPA-8260B	ND		1

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Golder Associates
425 Lakeside Drive
Sunnyvale, CA 94085

Reported: 11/20/2012 11:49
Project: John Smith Road LF
Project Number: 053-747-313
Project Manager: Tom Vercoutere

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1221324-04 | **Client Sample Name:** John Smith Road, WA-15, WA-15, 11/2/2012 10:11:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	ug/L	0.50	0.14	EPA-8260B	ND		1
trans-1,3-Dichloropropene	ND	ug/L	0.50	0.079	EPA-8260B	ND		1
Ethylbenzene	ND	ug/L	0.50	0.098	EPA-8260B	ND		1
Hexachlorobutadiene	ND	ug/L	0.50	0.17	EPA-8260B	ND		1
Isopropylbenzene	ND	ug/L	0.50	0.14	EPA-8260B	ND		1
Methylene chloride	ND	ug/L	1.0	0.48	EPA-8260B	ND		1
Methyl t-butyl ether	ND	ug/L	0.50	0.11	EPA-8260B	ND		1
Naphthalene	ND	ug/L	0.50	0.36	EPA-8260B	ND		1
n-Propylbenzene	ND	ug/L	0.50	0.11	EPA-8260B	ND		1
Styrene	ND	ug/L	0.50	0.068	EPA-8260B	ND		1
1,1,1,2-Tetrachloroethane	ND	ug/L	0.50	0.18	EPA-8260B	ND		1
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50	0.17	EPA-8260B	ND		1
Tetrachloroethene	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
Toluene	ND	ug/L	0.50	0.093	EPA-8260B	ND		1
1,2,3-Trichlorobenzene	ND	ug/L	0.50	0.16	EPA-8260B	ND		1
1,2,4-Trichlorobenzene	ND	ug/L	0.50	0.19	EPA-8260B	ND		1
1,1,1-Trichloroethane	ND	ug/L	0.50	0.11	EPA-8260B	ND		1
1,1,2-Trichloroethane	ND	ug/L	0.50	0.16	EPA-8260B	ND		1
Trichloroethene	ND	ug/L	0.50	0.085	EPA-8260B	ND		1
Trichlorofluoromethane	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
1,2,3-Trichloropropane	ND	ug/L	1.0	0.24	EPA-8260B	ND		1
1,2,4-Trimethylbenzene	ND	ug/L	0.50	0.12	EPA-8260B	ND		1
1,3,5-Trimethylbenzene	ND	ug/L	0.50	0.12	EPA-8260B	ND		1
Vinyl chloride	ND	ug/L	0.50	0.12	EPA-8260B	ND		1
Total Xylenes	ND	ug/L	1.0	0.36	EPA-8260B	ND		1
Acetone	ND	ug/L	10	4.6	EPA-8260B	ND		1
Acrolein	ND	ug/L	20	7.9	EPA-8260B	ND		1
Acrylonitrile	ND	ug/L	5.0	1.2	EPA-8260B	ND		1
t-Amyl Methyl ether	ND	ug/L	0.50	0.25	EPA-8260B	ND		1
t-Butyl alcohol	ND	ug/L	10	9.4	EPA-8260B	ND		1
Carbon disulfide	ND	ug/L	1.0	0.38	EPA-8260B	ND		1
trans-1,4-Dichloro-2-butene	ND	ug/L	5.0	1.4	EPA-8260B	ND		1
Diisopropyl ether	ND	ug/L	0.50	0.23	EPA-8260B	ND		1

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Golder Associates
425 Lakeside Drive
Sunnyvale, CA 94085

Reported: 11/20/2012 11:49
Project: John Smith Road LF
Project Number: 053-747-313
Project Manager: Tom Vercoutere

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1221324-04 | **Client Sample Name:** John Smith Road, WA-15, WA-15, 11/2/2012 10:11:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
1,4-Dioxane	ND	ug/L	100	42	EPA-8260B	ND		1
Ethyl t-butyl ether	ND	ug/L	0.50	0.18	EPA-8260B	ND		1
2-Hexanone	ND	ug/L	10	3.4	EPA-8260B	ND		1
Methyl ethyl ketone	ND	ug/L	10	2.5	EPA-8260B	ND		1
Methyl iodide	ND	ug/L	2.0	0.47	EPA-8260B	ND		1
Methyl isobutyl ketone	ND	ug/L	10	2.1	EPA-8260B	ND		1
Vinyl acetate	ND	ug/L	10	1.8	EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	115	%	75 - 125 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	98.7	%	80 - 120 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	87.8	%	80 - 120 (LCL - UCL)		EPA-8260B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	11/08/12	11/08/12 23:34	MGC	MS-V5	1	BVK0566

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Golder Associates
425 Lakeside Drive
Sunnyvale, CA 94085

Reported: 11/20/2012 11:49
Project: John Smith Road LF
Project Number: 053-747-313
Project Manager: Tom Vercoutere

Water Analysis (General Chemistry)

BCL Sample ID: 1221324-04 | **Client Sample Name:** John Smith Road, WA-15, WA-15, 11/2/2012 10:11:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Bicarbonate Alkalinity as CaCO3	**350**	**mg/L**	**8.2**	**8.2**	**EPA-310.1**	ND		1
Chloride	**790**	**mg/L**	**5.0**	**0.66**	**EPA-300.0**	3.9	**A01**	2
Nitrate/Nitrite as N	**0.23**	**mg/L**	**0.10**	**0.010**	**EPA-353.2**	ND		3
pH	**7.58**	**pH Units**	**0.05**	**0.05**	**EPA-150.1**		**S05**	4
Electrical Conductivity @ 25 C	**6630**	**umhos/cm**	**1.00**	**1.00**	**EPA-120.1**			5

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-310.1	11/08/12	11/08/12 15:43	RML	MET-1	2	BVK0604
2	EPA-300.0	11/13/12	11/13/12 17:10	LS1	IC1	10	BVK0938
3	EPA-353.2	11/13/12	11/13/12 13:29	SDU	SC-1	1	BVK0891
4	EPA-150.1	11/08/12	11/08/12 15:43	RML	MET-1	1	BVK0604
5	EPA-120.1	11/08/12	11/08/12 15:43	RML	MET-1	1	BVK0604

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Golder Associates
425 Lakeside Drive
Sunnyvale, CA 94085

Reported: 11/20/2012 11:49
Project: John Smith Road LF
Project Number: 053-747-313
Project Manager: Tom Vercoutere

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1221324-05 | **Client Sample Name:** John Smith Road, WA-20, WA-20, 11/2/2012 12:11:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	ug/L	1.0	0.083	EPA-8260B	ND		1
Bromobenzene	ND	ug/L	1.0	0.13	EPA-8260B	ND		1
Bromochloromethane	ND	ug/L	1.0	0.24	EPA-8260B	ND		1
Bromodichloromethane	ND	ug/L	1.0	0.14	EPA-8260B	ND		1
Bromoform	ND	ug/L	1.0	0.27	EPA-8260B	ND		1
Bromomethane	ND	ug/L	1.0	0.25	EPA-8260B	ND		1
n-Butylbenzene	ND	ug/L	1.0	0.11	EPA-8260B	ND		1
sec-Butylbenzene	ND	ug/L	1.0	0.15	EPA-8260B	ND		1
tert-Butylbenzene	ND	ug/L	1.0	0.13	EPA-8260B	ND		1
Carbon tetrachloride	ND	ug/L	1.0	0.18	EPA-8260B	ND		1
Chlorobenzene	ND	ug/L	1.0	0.093	EPA-8260B	ND		1
Chloroethane	ND	ug/L	1.0	0.14	EPA-8260B	ND		1
Chloroform	ND	ug/L	1.0	0.12	EPA-8260B	ND		1
Chloromethane	ND	ug/L	1.0	0.14	EPA-8260B	ND		1
2-Chlorotoluene	ND	ug/L	1.0	0.20	EPA-8260B	ND		1
4-Chlorotoluene	ND	ug/L	1.0	0.15	EPA-8260B	ND		1
Dibromochloromethane	ND	ug/L	1.0	0.13	EPA-8260B	ND		1
1,2-Dibromo-3-chloropropane	ND	ug/L	1.0	0.44	EPA-8260B	ND		1
1,2-Dibromoethane	ND	ug/L	1.0	0.16	EPA-8260B	ND		1
Dibromomethane	ND	ug/L	1.0	0.24	EPA-8260B	ND		1
1,2-Dichlorobenzene	ND	ug/L	1.0	0.072	EPA-8260B	ND		1
1,3-Dichlorobenzene	ND	ug/L	1.0	0.15	EPA-8260B	ND		1
1,4-Dichlorobenzene	ND	ug/L	1.0	0.062	EPA-8260B	ND		1
Dichlorodifluoromethane	ND	ug/L	1.0	0.099	EPA-8260B	ND		1
1,1-Dichloroethane	ND	ug/L	1.0	0.11	EPA-8260B	ND		1
1,2-Dichloroethane	ND	ug/L	1.0	0.17	EPA-8260B	ND		1
1,1-Dichloroethene	ND	ug/L	1.0	0.18	EPA-8260B	ND		1
cis-1,2-Dichloroethene	ND	ug/L	1.0	0.085	EPA-8260B	ND		1
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.15	EPA-8260B	ND		1
1,2-Dichloropropane	ND	ug/L	1.0	0.13	EPA-8260B	ND		1
1,3-Dichloropropane	ND	ug/L	1.0	0.086	EPA-8260B	ND		1
2,2-Dichloropropane	ND	ug/L	1.0	0.13	EPA-8260B	ND		1
1,1-Dichloropropene	ND	ug/L	1.0	0.085	EPA-8260B	ND		1

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Golder Associates
425 Lakeside Drive
Sunnyvale, CA 94085

Reported: 11/20/2012 11:49
Project: John Smith Road LF
Project Number: 053-747-313
Project Manager: Tom Vercoutere

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1221324-05 | **Client Sample Name:** John Smith Road, WA-20, WA-20, 11/2/2012 12:11:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.14	EPA-8260B	ND		1
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.079	EPA-8260B	ND		1
Ethylbenzene	ND	ug/L	1.0	0.098	EPA-8260B	ND		1
Hexachlorobutadiene	ND	ug/L	1.0	0.17	EPA-8260B	ND		1
Isopropylbenzene	ND	ug/L	1.0	0.14	EPA-8260B	ND		1
Methylene chloride	ND	ug/L	1.0	0.48	EPA-8260B	ND		1
Methyl t-butyl ether	ND	ug/L	1.0	0.11	EPA-8260B	ND		1
Naphthalene	ND	ug/L	1.0	0.36	EPA-8260B	ND		1
n-Propylbenzene	ND	ug/L	1.0	0.11	EPA-8260B	ND		1
Styrene	ND	ug/L	1.0	0.068	EPA-8260B	ND		1
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.18	EPA-8260B	ND		1
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.17	EPA-8260B	ND		1
Tetrachloroethene	**0.24**	**ug/L**	**1.0**	**0.13**	**EPA-8260B**	ND	**J**	1
Toluene	ND	ug/L	1.0	0.093	EPA-8260B	ND		1
1,2,3-Trichlorobenzene	ND	ug/L	1.0	0.16	EPA-8260B	ND		1
1,2,4-Trichlorobenzene	ND	ug/L	1.0	0.19	EPA-8260B	ND		1
1,1,1-Trichloroethane	ND	ug/L	1.0	0.11	EPA-8260B	ND		1
1,1,2-Trichloroethane	ND	ug/L	1.0	0.16	EPA-8260B	ND		1
Trichloroethene	**0.48**	**ug/L**	**1.0**	**0.085**	**EPA-8260B**	ND	**J**	1
Trichlorofluoromethane	ND	ug/L	1.0	0.13	EPA-8260B	ND		1
1,2,3-Trichloropropane	ND	ug/L	1.0	0.24	EPA-8260B	ND		1
1,2,4-Trimethylbenzene	ND	ug/L	1.0	0.12	EPA-8260B	ND		1
1,3,5-Trimethylbenzene	ND	ug/L	1.0	0.12	EPA-8260B	ND		1
Vinyl chloride	ND	ug/L	1.0	0.12	EPA-8260B	ND		1
Total Xylenes	ND	ug/L	1.0	0.36	EPA-8260B	ND		1
Acetone	ND	ug/L	10	4.6	EPA-8260B	ND		1
Acrolein	ND	ug/L	20	7.9	EPA-8260B	ND		1
Acrylonitrile	ND	ug/L	5.0	1.2	EPA-8260B	ND		1
t-Amyl Methyl ether	ND	ug/L	1.0	0.25	EPA-8260B	ND		1
t-Butyl alcohol	ND	ug/L	10	9.4	EPA-8260B	ND		1
Carbon disulfide	ND	ug/L	1.0	0.38	EPA-8260B	ND		1
trans-1,4-Dichloro-2-butene	ND	ug/L	5.0	1.4	EPA-8260B	ND		1
Diisopropyl ether	ND	ug/L	1.0	0.23	EPA-8260B	ND		1

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Golder Associates
425 Lakeside Drive
Sunnyvale, CA 94085

Reported: 11/20/2012 11:49
Project: John Smith Road LF
Project Number: 053-747-313
Project Manager: Tom Vercoutere

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1221324-05 | **Client Sample Name:** John Smith Road, WA-20, WA-20, 11/2/2012 12:11:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Ethyl t-butyl ether	ND	ug/L	1.0	0.18	EPA-8260B	ND		1
2-Hexanone	ND	ug/L	20	3.4	EPA-8260B	ND		1
Methyl ethyl ketone	ND	ug/L	10	2.5	EPA-8260B	ND		1
Methyl iodide	ND	ug/L	20	0.47	EPA-8260B	ND		1
Methyl isobutyl ketone	ND	ug/L	10	2.1	EPA-8260B	ND		1
Vinyl acetate	ND	ug/L	10	1.8	EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	111	%	75 - 125 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	97.8	%	80 - 120 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	90.0	%	80 - 120 (LCL - UCL)		EPA-8260B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	11/08/12	11/09/12 02:55	MGC	MS-V5	1	BVK0566

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Golder Associates
425 Lakeside Drive
Sunnyvale, CA 94085

Reported: 11/20/2012 11:49
Project: John Smith Road LF
Project Number: 053-747-313
Project Manager: Tom Vercoutere

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1221324-06 | **Client Sample Name:** John Smith Road, LFG Condensate, LFG Condensate, 11/2/2012 2:11:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	**17**	**ug/L**	**1.0**	**0.083**	**EPA-8260B**	ND		1
Bromobenzene	**0.31**	**ug/L**	**1.0**	**0.13**	**EPA-8260B**	ND	**J**	1
Bromochloromethane	ND	ug/L	1.0	0.24	EPA-8260B	ND		1
Bromodichloromethane	ND	ug/L	1.0	0.14	EPA-8260B	ND		1
Bromoform	ND	ug/L	1.0	0.27	EPA-8260B	ND		1
Bromomethane	ND	ug/L	1.0	0.25	EPA-8260B	ND		1
n-Butylbenzene	**0.67**	**ug/L**	**1.0**	**0.11**	**EPA-8260B**	ND	**J**	1
sec-Butylbenzene	**1.3**	**ug/L**	**1.0**	**0.15**	**EPA-8260B**	ND		1
tert-Butylbenzene	ND	ug/L	1.0	0.13	EPA-8260B	ND		1
Carbon tetrachloride	ND	ug/L	1.0	0.18	EPA-8260B	ND		1
Chlorobenzene	**3.0**	**ug/L**	**1.0**	**0.093**	**EPA-8260B**	ND		1
Chloroethane	**0.93**	**ug/L**	**1.0**	**0.14**	**EPA-8260B**	ND	**J**	1
Chloroform	ND	ug/L	1.0	0.12	EPA-8260B	ND		1
Chloromethane	ND	ug/L	1.0	0.14	EPA-8260B	ND		1
2-Chlorotoluene	ND	ug/L	1.0	0.20	EPA-8260B	ND		1
4-Chlorotoluene	ND	ug/L	1.0	0.15	EPA-8260B	ND		1
Dibromochloromethane	ND	ug/L	1.0	0.13	EPA-8260B	ND		1
1,2-Dibromo-3-chloropropane	ND	ug/L	1.0	0.44	EPA-8260B	ND		1
1,2-Dibromoethane	ND	ug/L	1.0	0.16	EPA-8260B	ND		1
Dibromomethane	ND	ug/L	1.0	0.24	EPA-8260B	ND		1
1,2-Dichlorobenzene	**4.3**	**ug/L**	**1.0**	**0.072**	**EPA-8260B**	ND		1
1,3-Dichlorobenzene	ND	ug/L	1.0	0.15	EPA-8260B	ND		1
1,4-Dichlorobenzene	**43**	**ug/L**	**1.0**	**0.062**	**EPA-8260B**	ND		1
Dichlorodifluoromethane	**0.26**	**ug/L**	**1.0**	**0.099**	**EPA-8260B**	ND	**J**	1
1,1-Dichloroethane	**0.64**	**ug/L**	**1.0**	**0.11**	**EPA-8260B**	ND	**J**	1
1,2-Dichloroethane	**3.6**	**ug/L**	**1.0**	**0.17**	**EPA-8260B**	ND		1
1,1-Dichloroethene	ND	ug/L	1.0	0.18	EPA-8260B	ND		1
cis-1,2-Dichloroethene	**17**	**ug/L**	**1.0**	**0.085**	**EPA-8260B**	ND		1
trans-1,2-Dichloroethene	ND	ug/L	1.0	0.15	EPA-8260B	ND		1
1,2-Dichloropropane	**0.70**	**ug/L**	**1.0**	**0.13**	**EPA-8260B**	ND	**J**	1
1,3-Dichloropropane	ND	ug/L	1.0	0.086	EPA-8260B	ND		1
2,2-Dichloropropane	ND	ug/L	1.0	0.13	EPA-8260B	ND		1
1,1-Dichloropropene	ND	ug/L	1.0	0.085	EPA-8260B	ND		1

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Golder Associates
425 Lakeside Drive
Sunnyvale, CA 94085

Reported: 11/20/2012 11:49
Project: John Smith Road LF
Project Number: 053-747-313
Project Manager: Tom Vercoutere

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1221324-06 | **Client Sample Name:** John Smith Road, LFG Condensate, LFG Condensate, 11/2/2012 2:11:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	ug/L	1.0	0.14	EPA-8260B	ND		1
trans-1,3-Dichloropropene	ND	ug/L	1.0	0.079	EPA-8260B	ND		1
Ethylbenzene	**120**	**ug/L**	**25**	**2.4**	**EPA-8260B**	ND	**A01**	2
Hexachlorobutadiene	ND	ug/L	1.0	0.17	EPA-8260B	ND		1
Isopropylbenzene	**9.6**	**ug/L**	**1.0**	**0.14**	**EPA-8260B**	ND		1
Methylene chloride	**1.4**	**ug/L**	**1.0**	**0.48**	**EPA-8260B**	ND		1
Methyl t-butyl ether	**13**	**ug/L**	**1.0**	**0.11**	**EPA-8260B**	ND		1
Naphthalene	**100**	**ug/L**	**1.0**	**0.36**	**EPA-8260B**	ND		1
n-Propylbenzene	**6.6**	**ug/L**	**1.0**	**0.11**	**EPA-8260B**	ND		1
Styrene	**17**	**ug/L**	**1.0**	**0.068**	**EPA-8260B**	ND		1
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	0.18	EPA-8260B	ND		1
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	0.17	EPA-8260B	ND		1
Tetrachloroethene	**2.2**	**ug/L**	**1.0**	**0.13**	**EPA-8260B**	ND		1
Toluene	**220**	**ug/L**	**25**	**2.3**	**EPA-8260B**	ND	**A01**	2
1,2,3-Trichlorobenzene	**0.81**	**ug/L**	**1.0**	**0.16**	**EPA-8260B**	ND	**J**	1
1,2,4-Trichlorobenzene	**0.81**	**ug/L**	**1.0**	**0.19**	**EPA-8260B**	ND	**J**	1
1,1,1-Trichloroethane	ND	ug/L	1.0	0.11	EPA-8260B	ND		1
1,1,2-Trichloroethane	ND	ug/L	1.0	0.16	EPA-8260B	ND		1
Trichloroethene	**2.2**	**ug/L**	**1.0**	**0.085**	**EPA-8260B**	ND		1
Trichlorofluoromethane	ND	ug/L	1.0	0.13	EPA-8260B	ND		1
1,2,3-Trichloropropane	ND	ug/L	1.0	0.24	EPA-8260B	ND		1
1,2,4-Trimethylbenzene	**45**	**ug/L**	**1.0**	**0.12**	**EPA-8260B**	ND		1
1,3,5-Trimethylbenzene	**14**	**ug/L**	**1.0**	**0.12**	**EPA-8260B**	ND		1
Vinyl chloride	**1.0**	**ug/L**	**1.0**	**0.12**	**EPA-8260B**	ND		1
Total Xylenes	**240**	**ug/L**	**1.0**	**0.36**	**EPA-8260B**	ND		1
Acetone	**7900**	**ug/L**	**250**	**120**	**EPA-8260B**	ND	**A01**	2
Acrolein	ND	ug/L	20	7.9	EPA-8260B	ND		1
Acrylonitrile	ND	ug/L	5.0	1.2	EPA-8260B	ND		1
t-Amyl Methyl ether	**0.95**	**ug/L**	**1.0**	**0.25**	**EPA-8260B**	ND	**J**	1
t-Butyl alcohol	**7300**	**ug/L**	**250**	**240**	**EPA-8260B**	ND	**A01**	2
Carbon disulfide	ND	ug/L	1.0	0.38	EPA-8260B	ND		1
trans-1,4-Dichloro-2-butene	ND	ug/L	5.0	1.4	EPA-8260B	ND		1
Diisopropyl ether	**0.28**	**ug/L**	**1.0**	**0.23**	**EPA-8260B**	ND	**J**	1

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Golder Associates
425 Lakeside Drive
Sunnyvale, CA 94085

Reported: 11/20/2012 11:49
Project: John Smith Road LF
Project Number: 053-747-313
Project Manager: Tom Vercoutere

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1221324-06 | **Client Sample Name:** John Smith Road, LFG Condensate, LFG Condensate, 11/2/2012 2:11:00PM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Ethyl t-butyl ether	**0.32**	**ug/L**	**1.0**	**0.18**	**EPA-8260B**	ND	**J**	1
2-Hexanone	**81**	**ug/L**	**20**	**3.4**	**EPA-8260B**	ND		1
Methyl ethyl ketone	**7200**	**ug/L**	**250**	**62**	**EPA-8260B**	ND	**A01**	2
Methyl iodide	ND	ug/L	20	0.47	EPA-8260B	ND		1
Methyl isobutyl ketone	**830**	**ug/L**	**250**	**52**	**EPA-8260B**	ND	**A01**	2
Vinyl acetate	ND	ug/L	10	1.8	EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	104	%	75 - 125 (LCL - UCL)		EPA-8260B			1
1,2-Dichloroethane-d4 (Surrogate)	106	%	75 - 125 (LCL - UCL)		EPA-8260B			2
Toluene-d8 (Surrogate)	100	%	80 - 120 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	99.8	%	80 - 120 (LCL - UCL)		EPA-8260B			2
4-Bromofluorobenzene (Surrogate)	93.2	%	80 - 120 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	96.2	%	80 - 120 (LCL - UCL)		EPA-8260B			2

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	11/08/12	11/09/12 06:17	MGC	MS-V5	1	BVK0566
2	EPA-8260B	11/08/12	11/13/12 06:00	MGC	MS-V5	25	BVK0566

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Golder Associates
425 Lakeside Drive
Sunnyvale, CA 94085

Reported: 11/20/2012 11:49
Project: John Smith Road LF
Project Number: 053-747-313
Project Manager: Tom Vercoutere

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1221324-07 | **Client Sample Name:** John Smith Road, Trip Blank, Trip Blank, 11/2/2012 12:00:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	ug/L	0.50	0.083	EPA-8260B	ND		1
Bromobenzene	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
Bromochloromethane	ND	ug/L	0.50	0.24	EPA-8260B	ND		1
Bromodichloromethane	ND	ug/L	0.50	0.14	EPA-8260B	ND		1
Bromoform	ND	ug/L	0.50	0.27	EPA-8260B	ND		1
Bromomethane	ND	ug/L	1.0	0.25	EPA-8260B	ND		1
n-Butylbenzene	ND	ug/L	0.50	0.11	EPA-8260B	ND		1
sec-Butylbenzene	ND	ug/L	0.50	0.15	EPA-8260B	ND		1
tert-Butylbenzene	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
Carbon tetrachloride	ND	ug/L	0.50	0.18	EPA-8260B	ND		1
Chlorobenzene	ND	ug/L	0.50	0.093	EPA-8260B	ND		1
Chloroethane	ND	ug/L	0.50	0.14	EPA-8260B	ND		1
Chloroform	ND	ug/L	0.50	0.12	EPA-8260B	ND		1
Chloromethane	ND	ug/L	0.50	0.14	EPA-8260B	ND		1
2-Chlorotoluene	ND	ug/L	0.50	0.20	EPA-8260B	ND		1
4-Chlorotoluene	ND	ug/L	0.50	0.15	EPA-8260B	ND		1
Dibromochloromethane	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
1,2-Dibromo-3-chloropropane	ND	ug/L	1.0	0.44	EPA-8260B	ND		1
1,2-Dibromoethane	ND	ug/L	0.50	0.16	EPA-8260B	ND		1
Dibromomethane	ND	ug/L	0.50	0.24	EPA-8260B	ND		1
1,2-Dichlorobenzene	ND	ug/L	0.50	0.072	EPA-8260B	ND		1
1,3-Dichlorobenzene	ND	ug/L	0.50	0.15	EPA-8260B	ND		1
1,4-Dichlorobenzene	ND	ug/L	0.50	0.062	EPA-8260B	ND		1
Dichlorodifluoromethane	ND	ug/L	0.50	0.099	EPA-8260B	ND		1
1,1-Dichloroethane	ND	ug/L	0.50	0.11	EPA-8260B	ND		1
1,2-Dichloroethane	ND	ug/L	0.50	0.17	EPA-8260B	ND		1
1,1-Dichloroethene	ND	ug/L	0.50	0.18	EPA-8260B	ND		1
cis-1,2-Dichloroethene	ND	ug/L	0.50	0.085	EPA-8260B	ND		1
trans-1,2-Dichloroethene	ND	ug/L	0.50	0.15	EPA-8260B	ND		1
1,2-Dichloropropane	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
1,3-Dichloropropane	ND	ug/L	0.50	0.086	EPA-8260B	ND		1
2,2-Dichloropropane	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
1,1-Dichloropropene	ND	ug/L	0.50	0.085	EPA-8260B	ND		1

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Golder Associates
425 Lakeside Drive
Sunnyvale, CA 94085

Reported: 11/20/2012 11:49
Project: John Smith Road LF
Project Number: 053-747-313
Project Manager: Tom Vercoutere

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1221324-07 | **Client Sample Name:** John Smith Road, Trip Blank, Trip Blank, 11/2/2012 12:00:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
cis-1,3-Dichloropropene	ND	ug/L	0.50	0.14	EPA-8260B	ND		1
trans-1,3-Dichloropropene	ND	ug/L	0.50	0.079	EPA-8260B	ND		1
Ethylbenzene	ND	ug/L	0.50	0.098	EPA-8260B	ND		1
Hexachlorobutadiene	ND	ug/L	0.50	0.17	EPA-8260B	ND		1
Isopropylbenzene	ND	ug/L	0.50	0.14	EPA-8260B	ND		1
Methylene chloride	ND	ug/L	1.0	0.48	EPA-8260B	ND		1
Methyl t-butyl ether	ND	ug/L	0.50	0.11	EPA-8260B	ND		1
Naphthalene	ND	ug/L	0.50	0.36	EPA-8260B	ND		1
n-Propylbenzene	ND	ug/L	0.50	0.11	EPA-8260B	ND		1
Styrene	ND	ug/L	0.50	0.068	EPA-8260B	ND		1
1,1,1,2-Tetrachloroethane	ND	ug/L	0.50	0.18	EPA-8260B	ND		1
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50	0.17	EPA-8260B	ND		1
Tetrachloroethene	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
Toluene	ND	ug/L	0.50	0.093	EPA-8260B	ND		1
1,2,3-Trichlorobenzene	ND	ug/L	0.50	0.16	EPA-8260B	ND		1
1,2,4-Trichlorobenzene	ND	ug/L	0.50	0.19	EPA-8260B	ND		1
1,1,1-Trichloroethane	ND	ug/L	0.50	0.11	EPA-8260B	ND		1
1,1,2-Trichloroethane	ND	ug/L	0.50	0.16	EPA-8260B	ND		1
Trichloroethene	ND	ug/L	0.50	0.085	EPA-8260B	ND		1
Trichlorofluoromethane	ND	ug/L	0.50	0.13	EPA-8260B	ND		1
1,2,3-Trichloropropane	ND	ug/L	1.0	0.24	EPA-8260B	ND		1
1,2,4-Trimethylbenzene	ND	ug/L	0.50	0.12	EPA-8260B	ND		1
1,3,5-Trimethylbenzene	ND	ug/L	0.50	0.12	EPA-8260B	ND		1
Vinyl chloride	ND	ug/L	0.50	0.12	EPA-8260B	ND		1
Total Xylenes	ND	ug/L	1.0	0.36	EPA-8260B	ND		1
Acetone	ND	ug/L	10	4.6	EPA-8260B	ND		1
Acrolein	ND	ug/L	20	7.9	EPA-8260B	ND		1
Acrylonitrile	ND	ug/L	5.0	1.2	EPA-8260B	ND		1
t-Amyl Methyl ether	ND	ug/L	0.50	0.25	EPA-8260B	ND		1
t-Butyl alcohol	ND	ug/L	10	9.4	EPA-8260B	ND		1
Carbon disulfide	ND	ug/L	1.0	0.38	EPA-8260B	ND		1
trans-1,4-Dichloro-2-butene	ND	ug/L	5.0	1.4	EPA-8260B	ND		1
Diisopropyl ether	ND	ug/L	0.50	0.23	EPA-8260B	ND		1

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Golder Associates
425 Lakeside Drive
Sunnyvale, CA 94085

Reported: 11/20/2012 11:49
Project: John Smith Road LF
Project Number: 053-747-313
Project Manager: Tom Vercoutere

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1221324-07 | **Client Sample Name:** John Smith Road, Trip Blank, Trip Blank, 11/2/2012 12:00:00AM

Constituent	Result	Units	PQL	MDL	Method	MB Bias	Lab Quals	Run #
1,4-Dioxane	ND	ug/L	100	42	EPA-8260B	ND		1
Ethyl t-butyl ether	ND	ug/L	0.50	0.18	EPA-8260B	ND		1
2-Hexanone	ND	ug/L	10	3.4	EPA-8260B	ND		1
Methyl ethyl ketone	ND	ug/L	10	2.5	EPA-8260B	ND		1
Methyl iodide	ND	ug/L	2.0	0.47	EPA-8260B	ND		1
Methyl isobutyl ketone	ND	ug/L	10	2.1	EPA-8260B	ND		1
Vinyl acetate	ND	ug/L	10	1.8	EPA-8260B	ND		1
1,2-Dichloroethane-d4 (Surrogate)	112	%	75 - 125 (LCL - UCL)		EPA-8260B			1
Toluene-d8 (Surrogate)	98.1	%	80 - 120 (LCL - UCL)		EPA-8260B			1
4-Bromofluorobenzene (Surrogate)	87.8	%	80 - 120 (LCL - UCL)		EPA-8260B			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260B	11/08/12	11/09/12 03:18	MGC	MS-V5	1	BVK0566

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Golder Associates
425 Lakeside Drive
Sunnyvale, CA 94085

Reported: 11/20/2012 11:49
Project: John Smith Road LF
Project Number: 053-747-313
Project Manager: Tom Vercoutere

Volatile Organic Analysis (EPA Method 8260)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: BVK0566						
Benzene	BVK0566-BLK1	ND	ug/L	0.50	0.083	
Bromobenzene	BVK0566-BLK1	ND	ug/L	0.50	0.13	
Bromochloromethane	BVK0566-BLK1	ND	ug/L	0.50	0.24	
Bromodichloromethane	BVK0566-BLK1	ND	ug/L	0.50	0.14	
Bromoform	BVK0566-BLK1	ND	ug/L	0.50	0.27	
Bromomethane	BVK0566-BLK1	ND	ug/L	1.0	0.25	
n-Butylbenzene	BVK0566-BLK1	ND	ug/L	0.50	0.11	
sec-Butylbenzene	BVK0566-BLK1	ND	ug/L	0.50	0.15	
tert-Butylbenzene	BVK0566-BLK1	ND	ug/L	0.50	0.13	
Carbon tetrachloride	BVK0566-BLK1	ND	ug/L	0.50	0.18	
Chlorobenzene	BVK0566-BLK1	ND	ug/L	0.50	0.093	
Chloroethane	BVK0566-BLK1	ND	ug/L	0.50	0.14	
Chloroform	BVK0566-BLK1	ND	ug/L	0.50	0.12	
Chloromethane	BVK0566-BLK1	ND	ug/L	0.50	0.14	
2-Chlorotoluene	BVK0566-BLK1	ND	ug/L	0.50	0.20	
4-Chlorotoluene	BVK0566-BLK1	ND	ug/L	0.50	0.15	
Dibromochloromethane	BVK0566-BLK1	ND	ug/L	0.50	0.13	
1,2-Dibromo-3-chloropropane	BVK0566-BLK1	ND	ug/L	1.0	0.44	
1,2-Dibromoethane	BVK0566-BLK1	ND	ug/L	0.50	0.16	
Dibromomethane	BVK0566-BLK1	ND	ug/L	0.50	0.24	
1,2-Dichlorobenzene	BVK0566-BLK1	ND	ug/L	0.50	0.072	
1,3-Dichlorobenzene	BVK0566-BLK1	ND	ug/L	0.50	0.15	
1,4-Dichlorobenzene	BVK0566-BLK1	ND	ug/L	0.50	0.062	
Dichlorodifluoromethane	BVK0566-BLK1	ND	ug/L	0.50	0.099	
1,1-Dichloroethane	BVK0566-BLK1	ND	ug/L	0.50	0.11	
1,2-Dichloroethane	BVK0566-BLK1	ND	ug/L	0.50	0.17	
1,1-Dichloroethene	BVK0566-BLK1	ND	ug/L	0.50	0.18	
cis-1,2-Dichloroethene	BVK0566-BLK1	ND	ug/L	0.50	0.085	
trans-1,2-Dichloroethene	BVK0566-BLK1	ND	ug/L	0.50	0.15	
1,2-Dichloropropane	BVK0566-BLK1	ND	ug/L	0.50	0.13	
1,3-Dichloropropane	BVK0566-BLK1	ND	ug/L	0.50	0.086	
2,2-Dichloropropane	BVK0566-BLK1	ND	ug/L	0.50	0.13	
1,1-Dichloropropene	BVK0566-BLK1	ND	ug/L	0.50	0.085	
cis-1,3-Dichloropropene	BVK0566-BLK1	ND	ug/L	0.50	0.14	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Golder Associates
425 Lakeside Drive
Sunnyvale, CA 94085

Reported: 11/20/2012 11:49
Project: John Smith Road LF
Project Number: 053-747-313
Project Manager: Tom Vercoutere

Volatile Organic Analysis (EPA Method 8260)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: BVK0566						
trans-1,3-Dichloropropene	BVK0566-BLK1	ND	ug/L	0.50	0.079	
Ethylbenzene	BVK0566-BLK1	ND	ug/L	0.50	0.098	
Hexachlorobutadiene	BVK0566-BLK1	ND	ug/L	0.50	0.17	
Isopropylbenzene	BVK0566-BLK1	ND	ug/L	0.50	0.14	
Methylene chloride	BVK0566-BLK1	ND	ug/L	1.0	0.48	
Methyl t-butyl ether	BVK0566-BLK1	ND	ug/L	0.50	0.11	
Naphthalene	BVK0566-BLK1	ND	ug/L	0.50	0.36	
n-Propylbenzene	BVK0566-BLK1	ND	ug/L	0.50	0.11	
Styrene	BVK0566-BLK1	ND	ug/L	0.50	0.068	
1,1,1,2-Tetrachloroethane	BVK0566-BLK1	ND	ug/L	0.50	0.18	
1,1,2,2-Tetrachloroethane	BVK0566-BLK1	ND	ug/L	0.50	0.17	
Tetrachloroethene	BVK0566-BLK1	ND	ug/L	0.50	0.13	
Toluene	BVK0566-BLK1	ND	ug/L	0.50	0.093	
1,2,3-Trichlorobenzene	BVK0566-BLK1	ND	ug/L	0.50	0.16	
1,2,4-Trichlorobenzene	BVK0566-BLK1	ND	ug/L	0.50	0.19	
1,1,1-Trichloroethane	BVK0566-BLK1	ND	ug/L	0.50	0.11	
1,1,2-Trichloroethane	BVK0566-BLK1	ND	ug/L	0.50	0.16	
Trichloroethene	BVK0566-BLK1	ND	ug/L	0.50	0.085	
Trichlorofluoromethane	BVK0566-BLK1	ND	ug/L	0.50	0.13	
1,2,3-Trichloropropane	BVK0566-BLK1	ND	ug/L	1.0	0.24	
1,2,4-Trimethylbenzene	BVK0566-BLK1	ND	ug/L	0.50	0.12	
1,3,5-Trimethylbenzene	BVK0566-BLK1	ND	ug/L	0.50	0.12	
Vinyl chloride	BVK0566-BLK1	ND	ug/L	0.50	0.12	
Total Xylenes	BVK0566-BLK1	ND	ug/L	1.0	0.36	
Acetone	BVK0566-BLK1	ND	ug/L	10	4.6	
Acrolein	BVK0566-BLK1	ND	ug/L	20	7.9	
Acrylonitrile	BVK0566-BLK1	ND	ug/L	5.0	1.2	
t-Amyl Methyl ether	BVK0566-BLK1	ND	ug/L	0.50	0.25	
t-Butyl alcohol	BVK0566-BLK1	ND	ug/L	10	9.4	
Carbon disulfide	BVK0566-BLK1	ND	ug/L	1.0	0.38	
trans-1,4-Dichloro-2-butene	BVK0566-BLK1	ND	ug/L	5.0	1.4	
Diisopropyl ether	BVK0566-BLK1	ND	ug/L	0.50	0.23	
1,4-Dioxane	BVK0566-BLK1	ND	ug/L	100	42	
Ethyl t-butyl ether	BVK0566-BLK1	ND	ug/L	0.50	0.18	

Golder Associates
425 Lakeside Drive
Sunnyvale, CA 94085

Reported: 11/20/2012 11:49
Project: John Smith Road LF
Project Number: 053-747-313
Project Manager: Tom Vercoutere

Volatile Organic Analysis (EPA Method 8260)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: BVK0566						
2-Hexanone	BVK0566-BLK1	ND	ug/L	10	3.4	
Methyl ethyl ketone	BVK0566-BLK1	ND	ug/L	10	2.5	
Methyl iodide	BVK0566-BLK1	ND	ug/L	2.0	0.47	
Methyl isobutyl ketone	BVK0566-BLK1	ND	ug/L	10	2.1	
Vinyl acetate	BVK0566-BLK1	ND	ug/L	10	1.8	
1,2-Dichloroethane-d4 (Surrogate)	BVK0566-BLK1	111	%	75 - 125 (LCL - UCL)		
Toluene-d8 (Surrogate)	BVK0566-BLK1	96.3	%	80 - 120 (LCL - UCL)		
4-Bromofluorobenzene (Surrogate)	BVK0566-BLK1	82.3	%	80 - 120 (LCL - UCL)		

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Golder Associates
425 Lakeside Drive
Sunnyvale, CA 94085

Reported: 11/20/2012 11:49
Project: John Smith Road LF
Project Number: 053-747-313
Project Manager: Tom Vercoutere

Volatile Organic Analysis (EPA Method 8260)

Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits Percent Recovery	Control Limits RPD	Lab Quals
QC Batch ID: BVK0566										
Benzene	BVK0566-BS1	LCS	25.830	25.000	ug/L	103		70 - 130		
Bromodichloromethane	BVK0566-BS1	LCS	25.460	25.000	ug/L	102		70 - 130		
Chlorobenzene	BVK0566-BS1	LCS	24.570	25.000	ug/L	98.3		70 - 130		
Chloroethane	BVK0566-BS1	LCS	27.230	25.000	ug/L	109		70 - 130		
1,4-Dichlorobenzene	BVK0566-BS1	LCS	24.170	25.000	ug/L	96.7		70 - 130		
1,1-Dichloroethane	BVK0566-BS1	LCS	26.010	25.000	ug/L	104		70 - 130		
1,1-Dichloroethene	BVK0566-BS1	LCS	26.670	25.000	ug/L	107		70 - 130		
Toluene	BVK0566-BS1	LCS	24.690	25.000	ug/L	98.8		70 - 130		
Trichloroethene	BVK0566-BS1	LCS	27.560	25.000	ug/L	110		70 - 130		
1,2-Dichloroethane-d4 (Surrogate)	BVK0566-BS1	LCS	10.440	10.000	ug/L	104		75 - 125		
Toluene-d8 (Surrogate)	BVK0566-BS1	LCS	9.8900	10.000	ug/L	98.9		80 - 120		
4-Bromofluorobenzene (Surrogate)	BVK0566-BS1	LCS	9.7900	10.000	ug/L	97.9		80 - 120		

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Golder Associates
425 Lakeside Drive
Sunnyvale, CA 94085

Reported: 11/20/2012 11:49
Project: John Smith Road LF
Project Number: 053-747-313
Project Manager: Tom Vercoutere

Volatile Organic Analysis (EPA Method 8260)

Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
QC Batch ID: BVK0566	Used client sample: Y - Description: WA-15, 11/02/2012 10:11										
Benzene	MS	1221324-04	ND	26.450	25.000	ug/L		106		70 - 130	
	MSD	1221324-04	ND	27.810	25.000	ug/L	5.0	111	20	70 - 130	
Bromodichloromethane	MS	1221324-04	ND	26.110	25.000	ug/L		104		70 - 130	
	MSD	1221324-04	ND	26.920	25.000	ug/L	3.1	108	20	70 - 130	
Chlorobenzene	MS	1221324-04	ND	26.060	25.000	ug/L		104		70 - 130	
	MSD	1221324-04	ND	25.810	25.000	ug/L	1.0	103	20	70 - 130	
Chloroethane	MS	1221324-04	ND	28.230	25.000	ug/L		113		70 - 130	
	MSD	1221324-04	ND	29.790	25.000	ug/L	5.4	119	20	70 - 130	
1,4-Dichlorobenzene	MS	1221324-04	ND	25.020	25.000	ug/L		100		70 - 130	
	MSD	1221324-04	ND	24.500	25.000	ug/L	2.1	98.0	20	70 - 130	
1,1-Dichloroethane	MS	1221324-04	ND	27.010	25.000	ug/L		108		70 - 130	
	MSD	1221324-04	ND	28.180	25.000	ug/L	4.2	113	20	70 - 130	
1,1-Dichloroethene	MS	1221324-04	ND	27.340	25.000	ug/L		109		70 - 130	
	MSD	1221324-04	ND	28.880	25.000	ug/L	5.5	116	20	70 - 130	
Toluene	MS	1221324-04	ND	25.710	25.000	ug/L		103		70 - 130	
	MSD	1221324-04	ND	26.740	25.000	ug/L	3.9	107	20	70 - 130	
Trichloroethene	MS	1221324-04	ND	25.620	25.000	ug/L		102		70 - 130	
	MSD	1221324-04	ND	26.420	25.000	ug/L	3.1	106	20	70 - 130	
1,2-Dichloroethane-d4 (Surrogate)	MS	1221324-04	ND	10.250	10.000	ug/L		102		75 - 125	
	MSD	1221324-04	ND	10.250	10.000	ug/L	0	102		75 - 125	
Toluene-d8 (Surrogate)	MS	1221324-04	ND	9.6400	10.000	ug/L		96.4		80 - 120	
	MSD	1221324-04	ND	9.8600	10.000	ug/L	2.3	98.6		80 - 120	
4-Bromofluorobenzene (Surrogate)	MS	1221324-04	ND	9.9000	10.000	ug/L		99.0		80 - 120	
	MSD	1221324-04	ND	9.2900	10.000	ug/L	6.4	92.9		80 - 120	

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Golder Associates
425 Lakeside Drive
Sunnyvale, CA 94085

Reported: 11/20/2012 11:49
Project: John Smith Road LF
Project Number: 053-747-313
Project Manager: Tom Vercoutere

Water Analysis (General Chemistry)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: BVK0604						
Bicarbonate Alkalinity as CaCO3	BVK0604-BLK1	ND	mg/L	4.1	4.1	
QC Batch ID: BVK0891						
Nitrate/Nitrite as N	BVK0891-BLK1	ND	mg/L	0.10	0.010	
QC Batch ID: BVK0938						
Chloride	BVK0938-BLK1	0.39300	mg/L	0.50	0.066	J

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Golder Associates
425 Lakeside Drive
Sunnyvale, CA 94085

Reported: 11/20/2012 11:49
Project: John Smith Road LF
Project Number: 053-747-313
Project Manager: Tom Vercoutere

Water Analysis (General Chemistry)

Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits Percent Recovery	Control Limits RPD	Lab Quals
QC Batch ID: BVK0604										
pH	BVK0604-BS2	LCS	7.0300	7.0000	pH Units	100		95 - 105		
Electrical Conductivity @ 25 C	BVK0604-BS1	LCS	313.80	303.00	umhos/cm	104		90 - 110		
QC Batch ID: BVK0891										
Nitrate/Nitrite as N	BVK0891-BS1	LCS	2.0061	2.0000	mg/L	100		90 - 110		
QC Batch ID: BVK0938										
Chloride	BVK0938-BS1	LCS	53.570	50.000	mg/L	107		90 - 110		

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

Golder Associates
425 Lakeside Drive
Sunnyvale, CA 94085

Reported: 11/20/2012 11:49
Project: John Smith Road LF
Project Number: 053-747-313
Project Manager: Tom Vercoutere

Water Analysis (General Chemistry)

Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
QC Batch ID: BVK0604	Used client sample: N										
Bicarbonate Alkalinity as CaCO3	DUP	1221433-02	209.64	209.33		mg/L	0.1		10		
pH	DUP	1221433-02	7.8000	7.8300		pH Units	0.4		20		
Electrical Conductivity @ 25 C	DUP	1221433-02	752.70	736.00		umhos/cm	2.2		10		
QC Batch ID: BVK0891	Used client sample: Y - Description: WA-15, 11/02/2012 10:11										
Nitrate/Nitrite as N	DUP	1221324-04	0.23310	0.23710		mg/L	1.7		10		
	MS	1221324-04	0.23310	2.3843	2.1053	mg/L		102		90 - 110	
	MSD	1221324-04	0.23310	2.3104	2.1053	mg/L	3.1	98.7	10	90 - 110	
QC Batch ID: BVK0938	Used client sample: N										
Chloride	DUP	221400-01RE´	697.20	694.26		mg/L	0.4		10		
	MS	221400-01RE´	697.20	1260.2	505.05	mg/L		111		80 - 120	
	MSD	221400-01RE´	697.20	1258.0	505.05	mg/L	0.2	111	10	80 - 120	

Golder Associates 425 Lakeside Drive Sunnyvale, CA 94085	**Reported:** 11/20/2012 11:49 Project: John Smith Road LF Project Number: 053-747-313 Project Manager: Tom Vercoutere

Notes And Definitions

J	Estimated Value (CLP Flag)
MDL	Method Detection Limit
ND	Analyte Not Detected at or above the reporting limit
PQL	Practical Quantitation Limit
RPD	Relative Percent Difference
A01	PQL's and MDL's are raised due to sample dilution.
S05	The sample holding time was exceeded.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.
All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, Inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation.

APPENDIX E

Quality Control Results

QUALITY CONTROL RESULTS

Field quality control (QC) sample results and selected laboratory QC data are evaluated to assess the acceptability of the analytical data. QC results are included with the analytical reports in Appendix D.

Field QC

The field QC samples included field blanks, a trip blank, and field duplicate samples.

Field Blanks

Field blanks are prepared by the field personnel during the sampling event. Laboratory reagent water is poured into a cleaned sample bottle, containing appropriate preservatives, at a specific sampling location at the site. The field blanks are stored in the sample coolers and returned to the laboratory with the samples. Handling and transportation procedures for the field blanks are identical to those used for the groundwater samples. The field blank results are used to assess whether contamination was introduced by the sampling procedures or the external field conditions. The field blanks are used in conjunction with laboratory method blanks to assess the effects of the field and laboratory environment on the analytical results, and to identify false positives.

Trip Blanks

Trip blanks (used when sampling for volatile organic compounds [VOCs]) are prepared by laboratory personnel before the sampling event, at the same time and location as the sample containers for the particular event. Laboratory reagent water is poured into cleaned sample bottles containing hydrochloric acid (HCl, 50 percent strength), the appropriate preservative for VOCs. The trip blanks are transported to the field in sample coolers, remain unopened in the coolers during the sampling event, and are returned to the laboratory with the samples. Handling and transportation procedures for the trip blanks are identical to those used for the groundwater samples. The trip blank results are used to assess whether contamination was introduced during sample container preparation, or sample transportation and storage. The trip blanks are used in conjunction with the field blanks and laboratory method blanks to assess the effects of the field and laboratory environments on the analytical results, and to identify false positives.

Field Duplicates

Field duplicates are collected to allow sampling and analytical precision to be evaluated. They can also be used to assess sample homogeneity. Collection procedures for the field duplicate sample are identical to those used for the primary sample, and the duplicate sample is analyzed for the same suite of parameters. The relative percent difference (RPD) between the analytical results for the primary and duplicate samples is calculated by the following equation:

$$RPD = \frac{|x_1 - x_2| \times 100}{0.5\ (x_1 + x_2)}$$

Where $|\ |$ = absolute value

x_1, x_2 = duplicate results

Concentrations below the method detection limit (MDL) are estimated at one-half the MDL for calculation purposes.

Laboratory QC

The following laboratory QC results (data quality indicators) were requested from the laboratory performing the analyses to allow evaluation of the analytical results and assess the accuracy and precision of the data:

- Extraction and analysis dates (as appropriate) to allow the holding-time criteria to be evaluated
- Method blank results
- Surrogate spike results (for gas chromatographic [GC] or gas chromatographic/mass spectrometric [GC/MS] analysis)
- MDLs and method reporting limits (MRLs)

Analyses were performed by BC Laboratories of Bakersfield, California, a California-certified network of laboratories. Although a review of these data quality indicators does not verify the reported compounds and concentrations, it can be used to assess the acceptability of the analytical data. Specific laboratory QC results are presented in the analytical reports (Appendix D).

Holding Times

Recommended holding times are established by the USEPA and refer to the maximum time allowed to pass between sample collection and extraction or analysis by the laboratory. These limits assist in determining data validity and usability.

Method Blanks

Laboratory method blanks are analyzed daily for every parameter, except pH. The method blank is a sample of analyte-free laboratory water that is processed through the entire analytical system using procedures identical to those for the environmental samples. The method blank results are used to assess the effect of the laboratory environment on the analytical results. The method blanks are used in conjunction with the trip and field blanks to assess the effects of the field and laboratory environment on the analytical results, and to identify false positives.

Surrogate Standards

Surrogate standards are added (spiked) to each environmental and QC sample for GC or GC/MS analysis. Surrogates are compounds similar to the parameters of interest in chemical composition, extraction, and chromatography, but not normally found in the environmental samples. Known quantities of a surrogate (or surrogates) are added to each sample for GC or GC/MS analysis. The results are reported as percent recovery and can be used to assess the effect of the sample matrix and analytical accuracy. The acceptance limits for surrogate spike recovery are established by the USEPA or the laboratory performing the analysis.

Method Detection Limits (MDL) and Method Reporting Limits (MRL)

MDLs and MRLs are derived by the laboratory for each analytical procedure. The MDLs reflect the detection capabilities of the specific analytical procedure and equipment used by the laboratory. MRLs are generally set equal to the concentration of the lowest standard used to calibrate the analytical procedure; the MRL is functionally equivalent to the practical quantitation limit. Compounds detected between the MDL and MRL are reported by the laboratory as trace values (“J” flagged).

APPENDIX F

Statistical Evaluation

STATISTICAL METHODOLOGY

The tolerance interval method is used for the statistical evaluation of groundwater monitoring data at the John Smith Road Landfill. This method is used to estimate the concentration (generally the highest concentration, but two-tailed for pH) a constituent can exhibit and still be considered consistent with background water quality. In other words, tolerance limits represent concentrations beyond which a measurably significant change in water quality has occurred. Once a tolerance limit (i.e., concentration limit) for a constituent has been established, future constituent concentrations are compared to the tolerance limit. Interwell concentration limits for naturally-occurring COCs and Monitoring Parameters are developed from historical concentrations from the "background", generally upgradient monitoring well.

The purpose of a tolerance interval approach is to define a concentration range from historical 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. Consistent with USEPA and state recommendations, tolerance limits are calculated using 95 percent coverage and 95 percent confidence. The upper 95 percent tolerance limit contains at least 95 percent of the distribution of observations from background data.

To calculate tolerance limits Golder Associates uses a statistical software program specifically designed to evaluate water quality monitoring data for landfills. 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.
- United States Environmental Protection Agency, Statistical Analysis of Groundwater Monitoring Data at RCRA Facilities (EPA 530-R-09-007). March 2009.
- Statistical Methods for Groundwater Monitoring, R.D. Gibbons. John Wiley & Sons, Inc. New York. 1994.

Parametric Tolerance Limit

When conducting the tolerance interval calculations, the distribution of the data is evaluated. For sample sizes up to 50, the Coefficient of Variation Test for normality is applied. When the sample size is larger than 50, the Shapiro-Francia test is used. The parametric tolerance limit test is applied 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 adjusted using Cohen's Method or Aitchison's Adjustment. 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), the nonparametric tolerance limit method is used. 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. If the nonparametric alpha level is higher than 1 percent, the concentration limit is not established.

Nonstatistical Approach

When the background data set contains 100 percent nondetect values, the "nonstatistical" approach is used. This approach takes into consideration that if a constituent historically has not been detected, any detection of that constituent would be considered an exceedance. In these situations (100 percent nondetected values), the tolerance limit is set at "non-detect". Under these circumstances, if a constituent is detected, it is an exceedance of the concentration limit.

Trend Test Method

The change in constituent concentrations over time is estimated using the Mann-Kendall trend test. The Mann-Kendall test is a nonparametric, rank correlation statistical method that evaluates correlation between data and time. The Mann-Kendall test is 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.

Prior to conducting an evaluation of trend, 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," March 2009, the seasonality test determines if the data is likely affected by seasons at 0.05 alpha level. If so determined, the data is deseasonalized prior to conducting the Mann-Kendall test.

Statistical Output

Concentration Limits Report - Class III Facility - Bedrock Wells

Background Well E-15

Company:	San Benito County	**Date Range:**	Through 4Q 2012
Site:	John Smith Road Landfill	**Non-detects:**	1/2 detection limit
Program:	SBC Groundwater	**Duplicates:**	mean
Minimum Size:	3	**Log transformation:**	no

Parameter	Unit	Size	% NDs	Mean	St. Dev.	Max	K(95%)	Concentration limits calculated using interwell tolerance limits at 95% confidence and 95% coverage. upper	lower
Bicarbonate Alkalinity	mg/L	40	0.00%	403.15	101.509	800	2.126	**619**	
Chloride	mg/L	56	0.00%	566.768	93.926	890	2.039	**758**	
Nitrate/Nitrite as N	mg/L	53	1.90%	3.313	3.983	20	2.052	**11.5**	
pH	s.u.	99	0.00%	7.134	0.302	8.05	2.235	**7.8**	**6.5**
Specific Conductance	µmhos/cm	99	0.00%	4747.374	746.886	6700	1.929	**6188**	

Concentration Limits Report - Class III Facility - Alluvial Wells

Background Well WA-11

Company:	San Benito County	**Date Range:**	Through 4q12
Site:	John Smith Road Landfill	**Non-detects:**	1/2 detection limit
Program:	SBC Groundwater	**Duplicates:**	mean
Minimum Size:	3	**Log transformation:**	no

Parameter	Unit	Size	% NDs	Mean	St. Dev.	Max	K(95%)	Concentration limits calculated using interwell tolerance limits at 95% confidence and 95% coverage. upper	lower
Bicarbonate Alkalinity	mg/L	16	0.00%	654.25	129.929	964	2.523	**982**	
Chloride	mg/L	37	0.00%	640.243	246.027	1480	2.150	**1169**	
Nitrate/Nitrite as N	mg/L	37	2.70%	13.811	12.636	84	2.150	**41.0**	
pH	s.u.	60	0.00%	7.188	0.244	7.87	2.313	**7.8**	**6.6**
Specific Conductance	µmhos/cm	61	0.00%	5274.607	1146.454	6880	2.019	**7589**	

Concentration Limits Report - Class III Facility - Bedrock Wells

Background data for Well CP-25

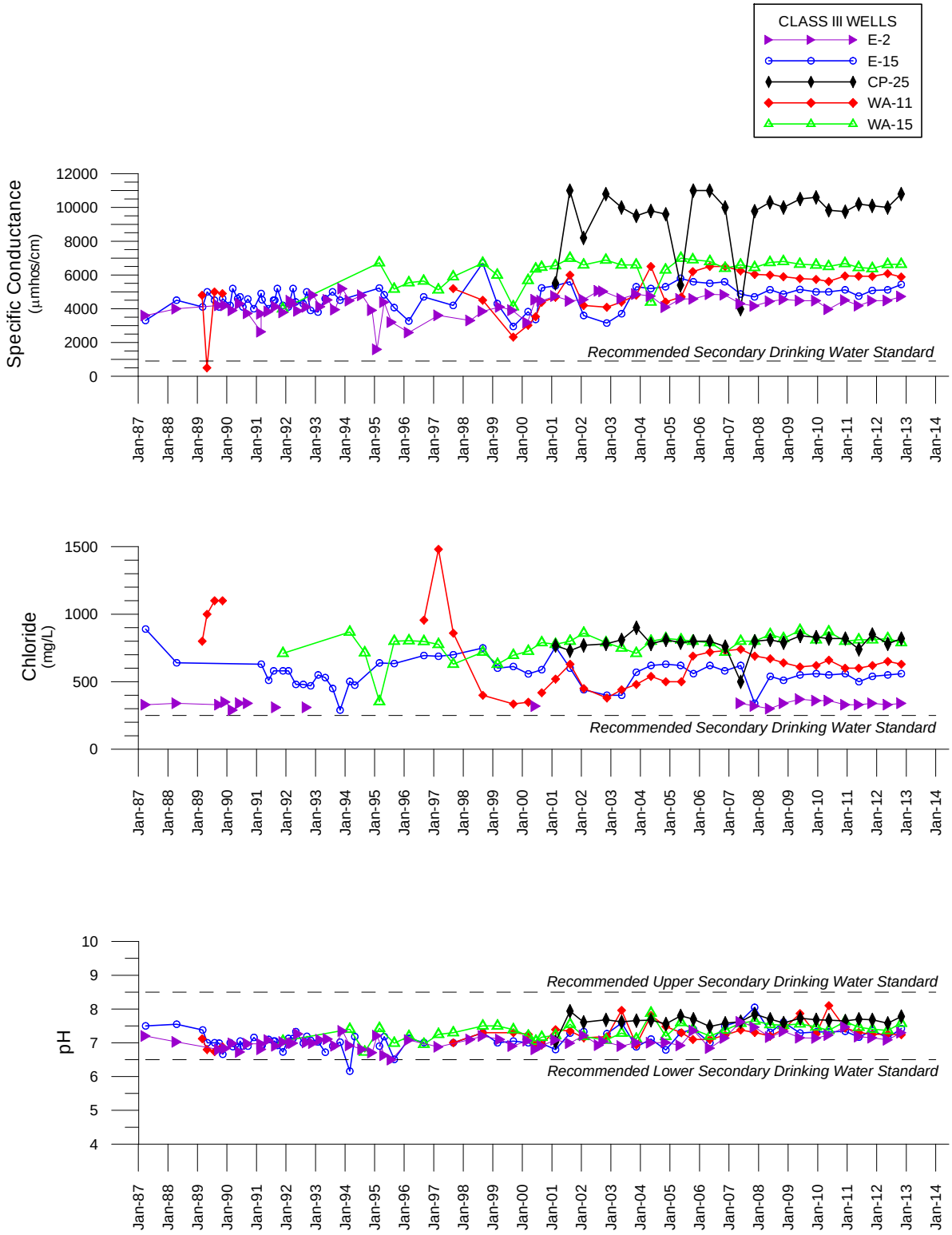
Company:	San Benito County	**Date Range:**	Through 2Q 2010
Site:	John Smith Road Landfill	**Non-detects:**	1/2 detection limit
Program:	SBC Groundwater	**Duplicates:**	mean
Minimum Size:	3	**Log transformation**	no

Parameter	Unit	Size	% NDs	Mean	St. Dev.	Max	K(95%)	Concentration limits calculated using interwell tolerance limits at 95% confidence and 95% coverage. upper	lower
Bicarbonate Alkalinity	mg/L	5	0.00%	412	32.711	800	**4.210**	**550**	
Chloride	mg/L	18	0.00%	762.111	101.238	890	**2.453**	**1010**	
Nitrate/Nitrite as N	mg/L	18	72.20%	0.092	0.229	20	**2.453**	**0.7**	
pH	s.u.	32	0.00%	7.608	0.22	8.05	**2.525**	**8.2**	**7.1**
Specific Conductance	µmhos/cm	34	0.00%	10666.29	4464.601	6700	**2.177**	**20386**	

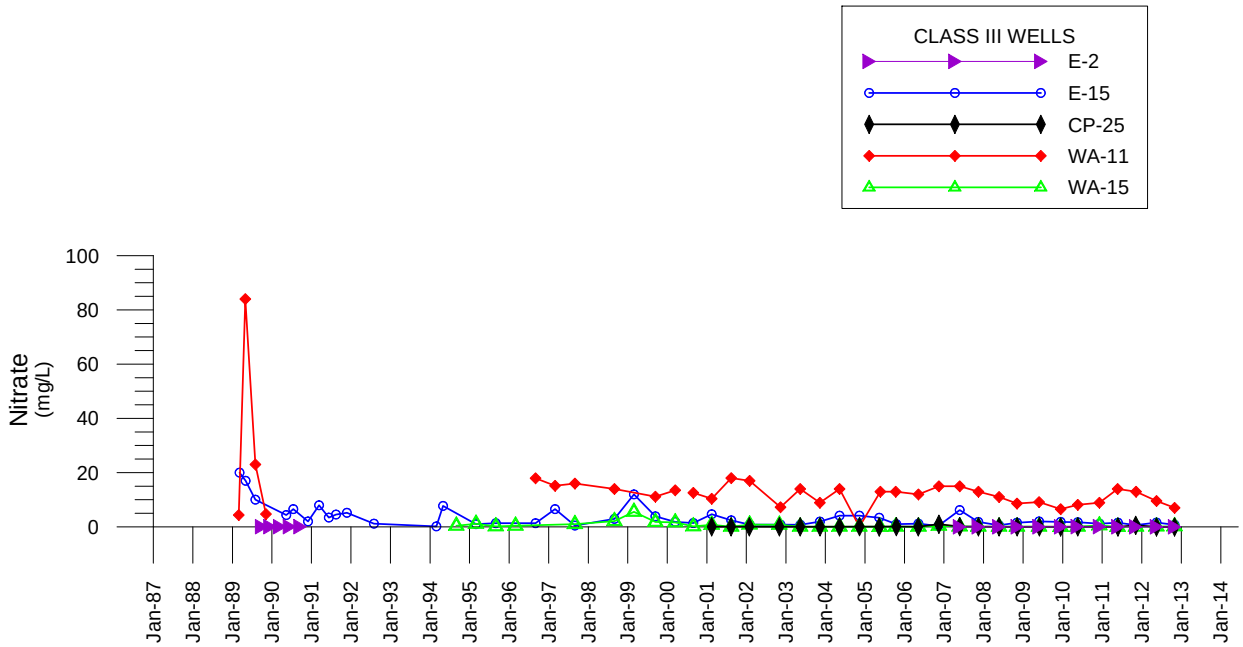
APPENDIX G

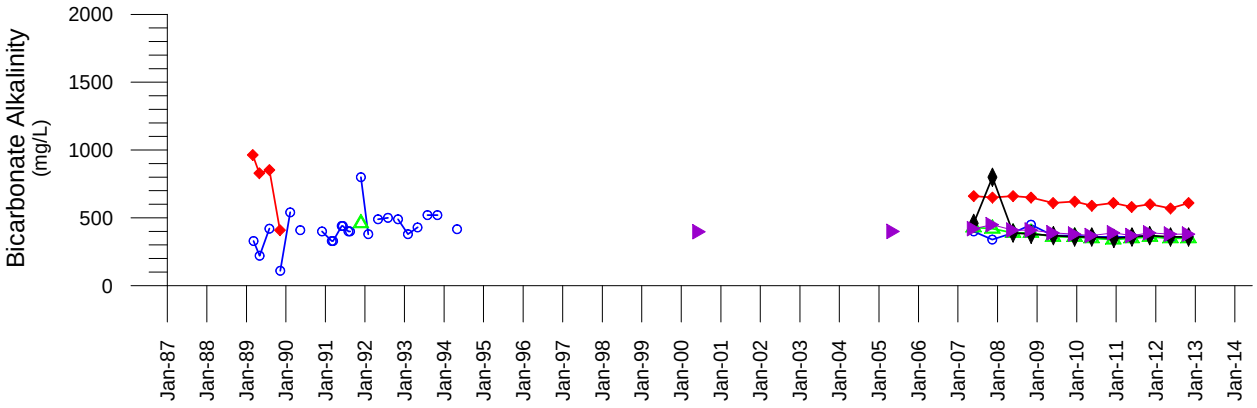
Time-Series Plots

Time-Series Plots
Class III Area Detection Monitoring Program
John Smith Road Landfill

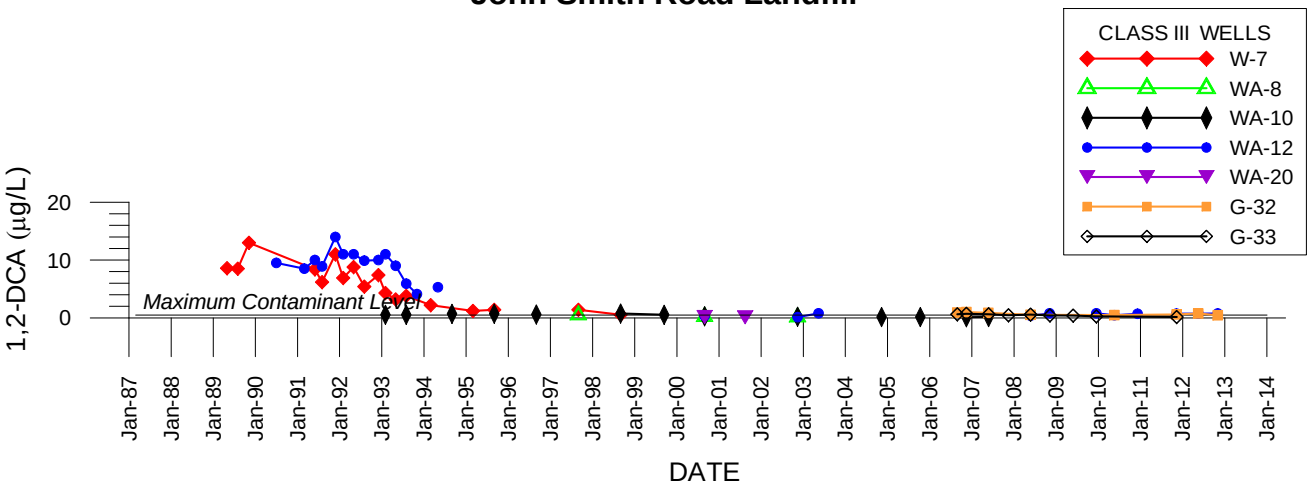


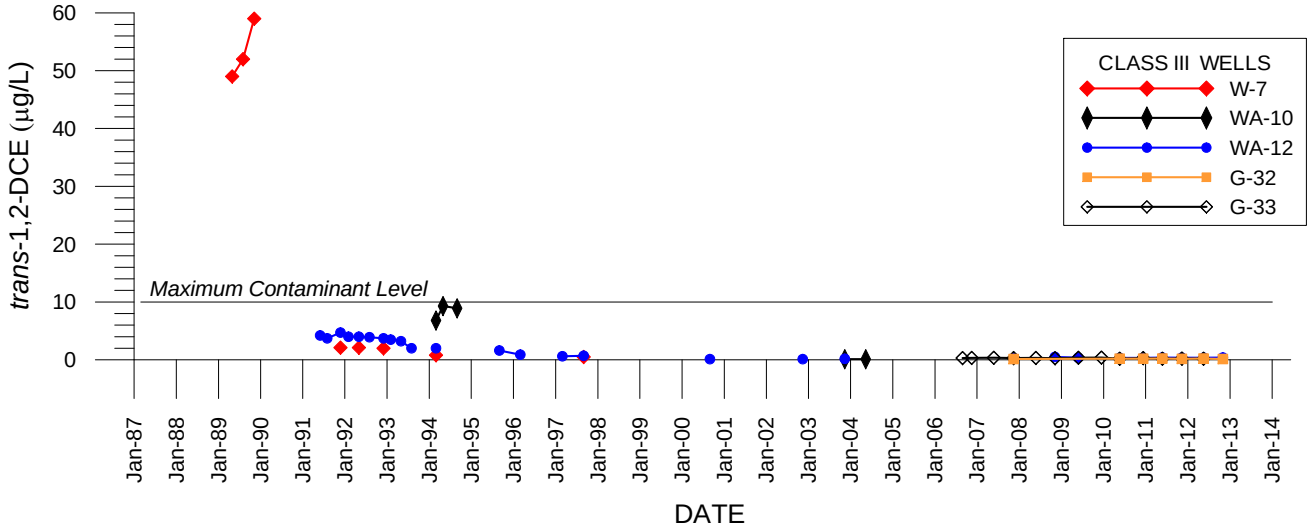
Time-Series Plots
Class III Area Detection Monitoring Program
John Smith Road Landfill

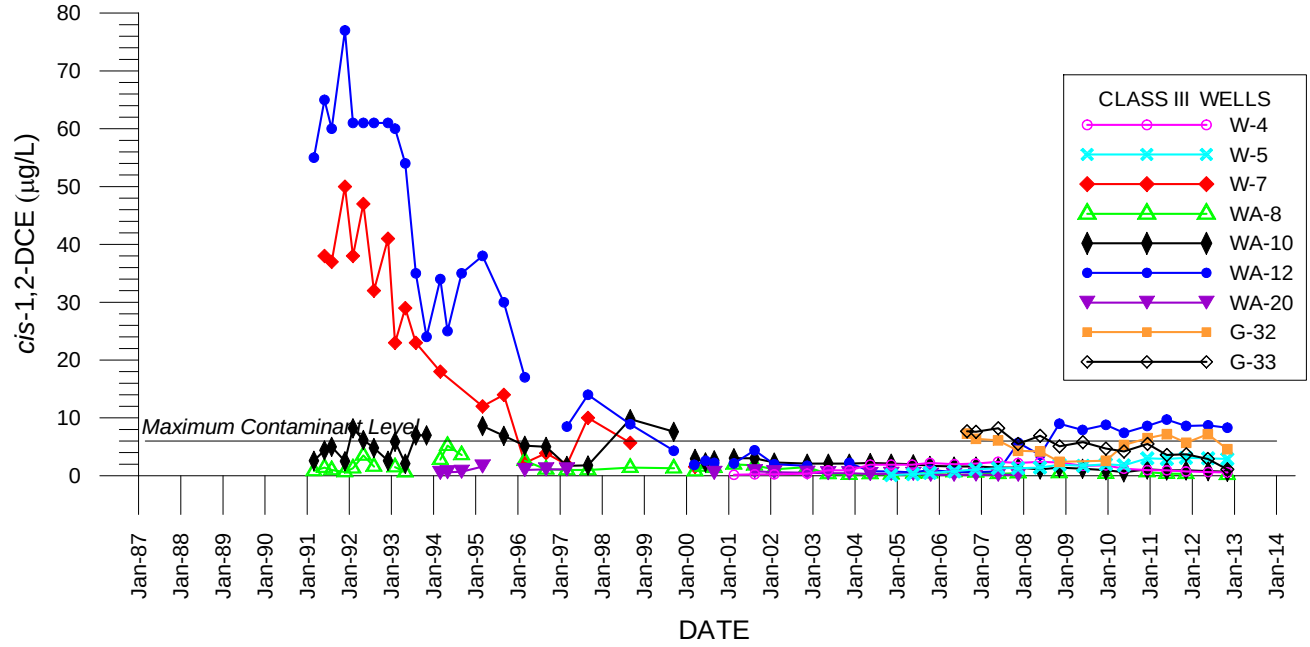




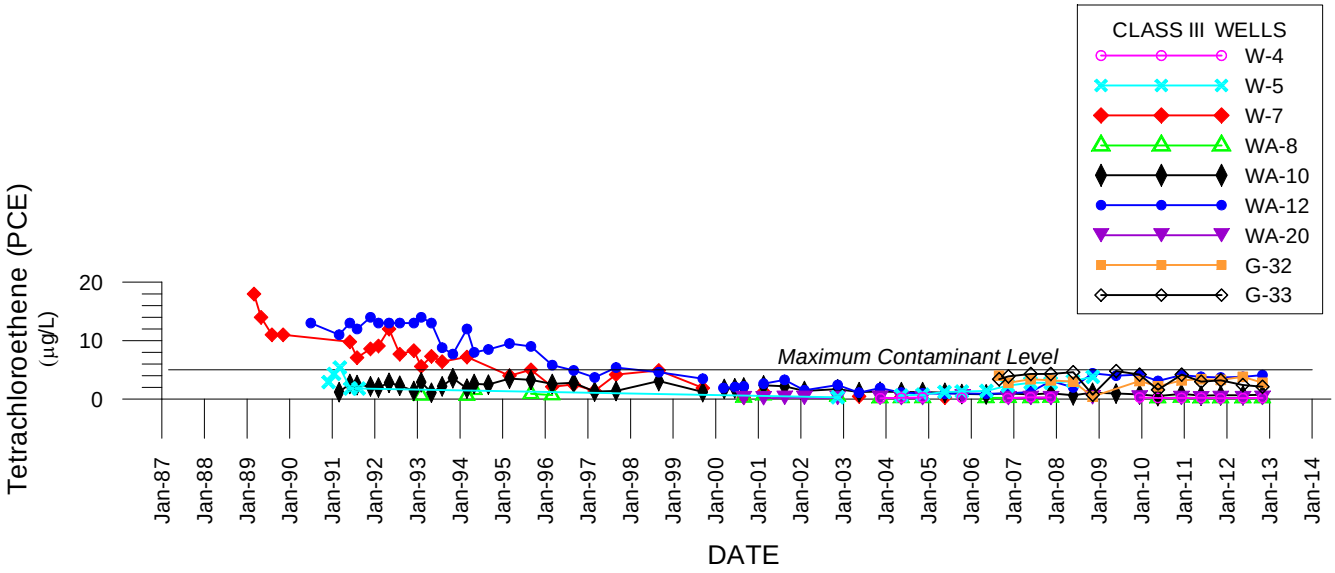
Time-Series Plots
VOC Concentrations
Class III Area Corrective Action Monitoring Program
John Smith Road Landfill

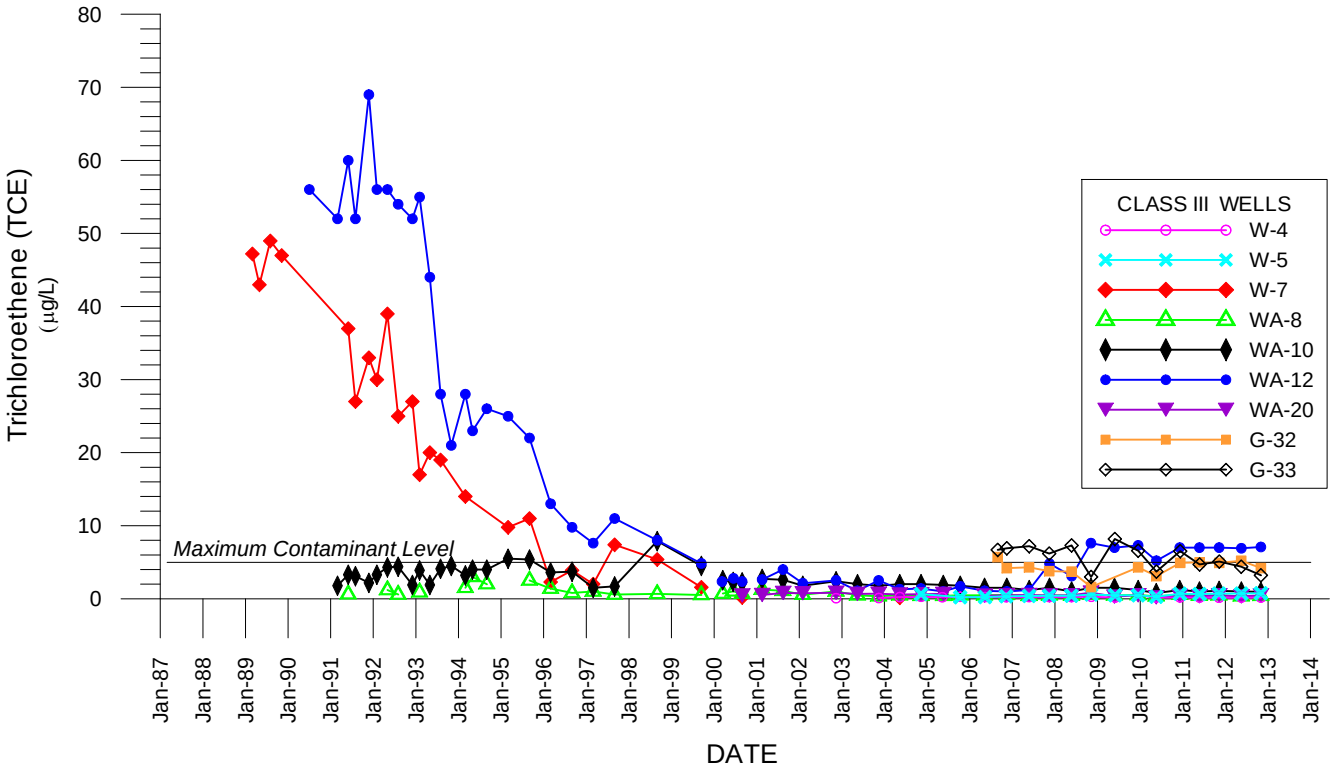




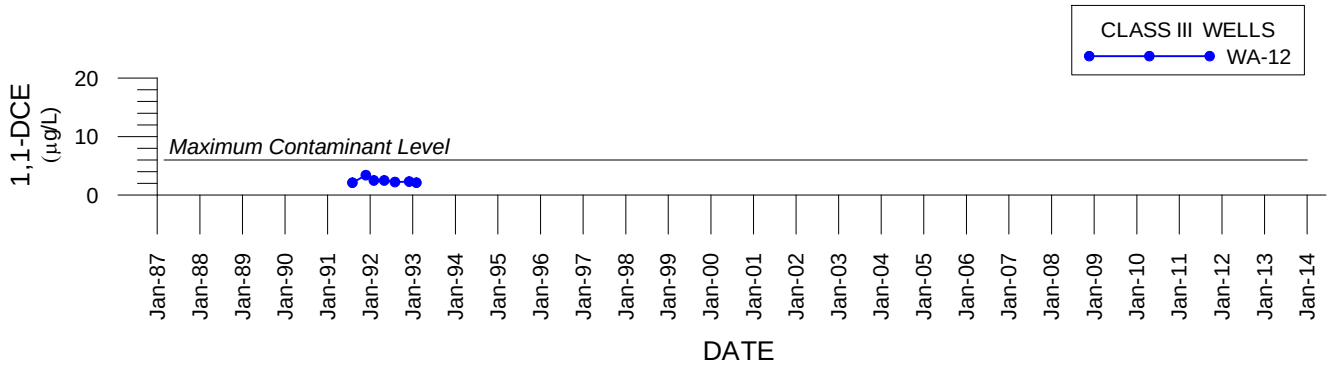


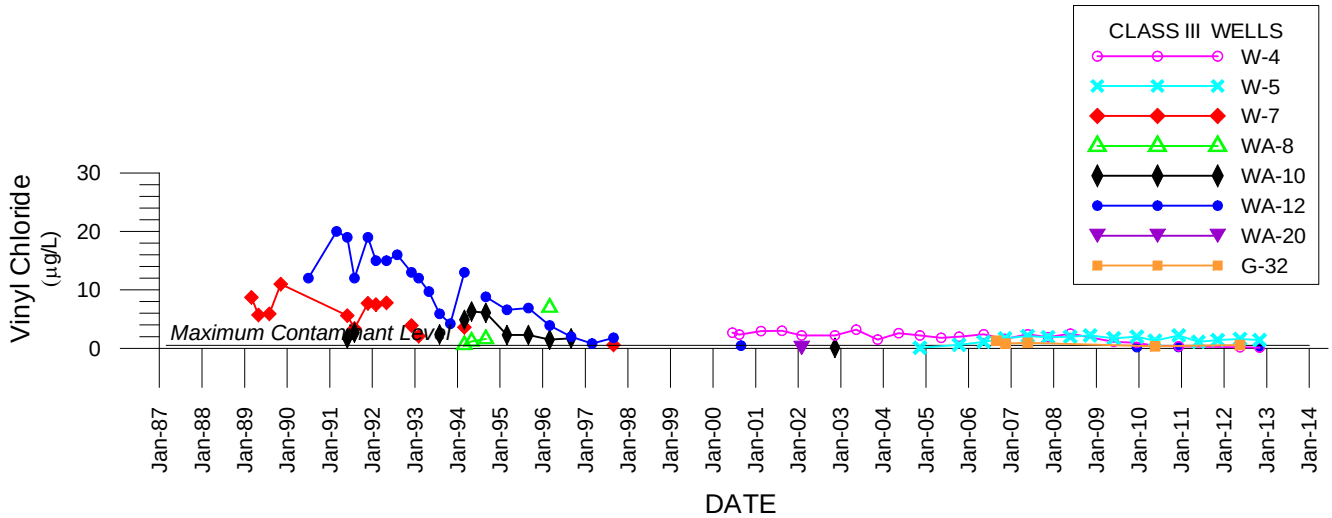
Time-Series Plots
VOC Concentrations
Class III Area Corrective Action Monitoring Program
John Smith Road Landfill

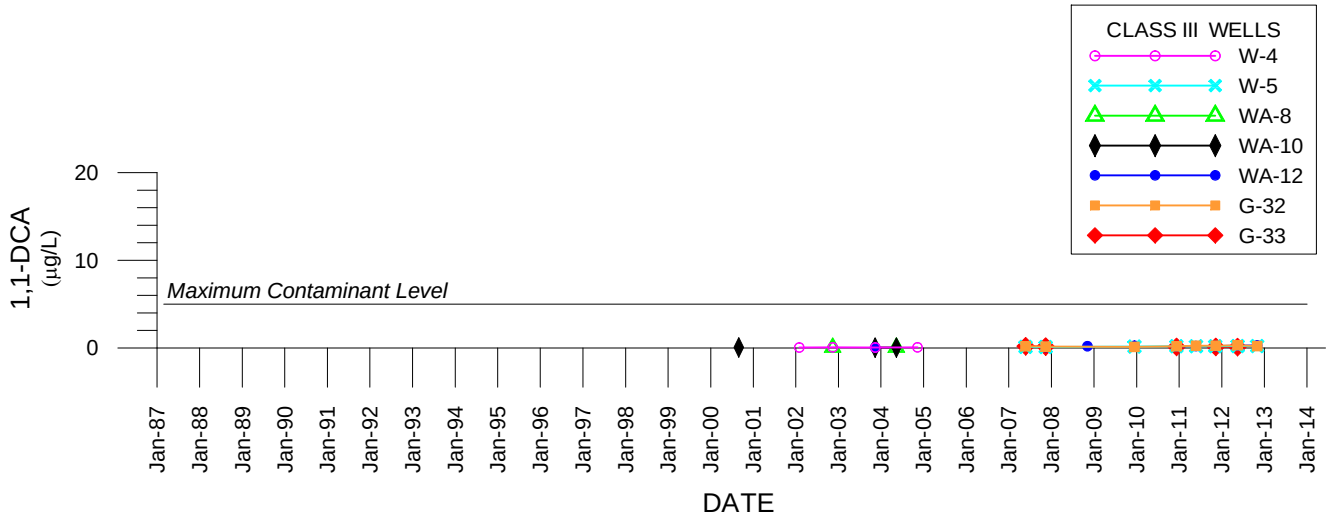




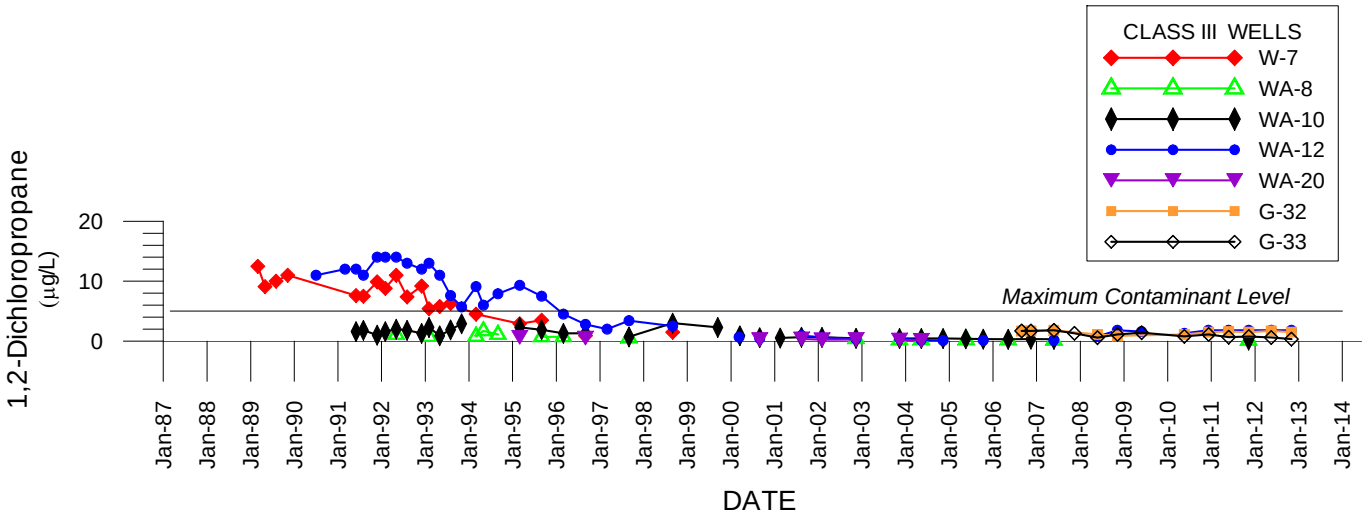
Time-Series Plots
VOC Concentrations
Class III Area Corrective Action Monitoring Program
John Smith Road Landfill

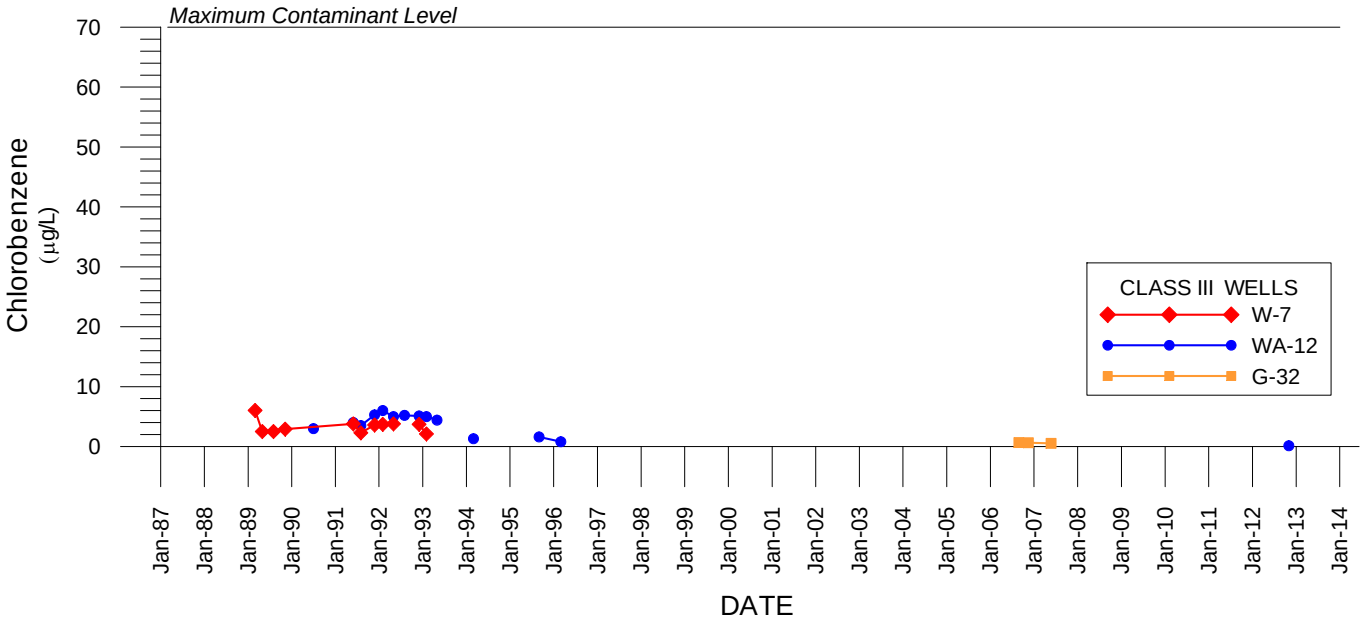




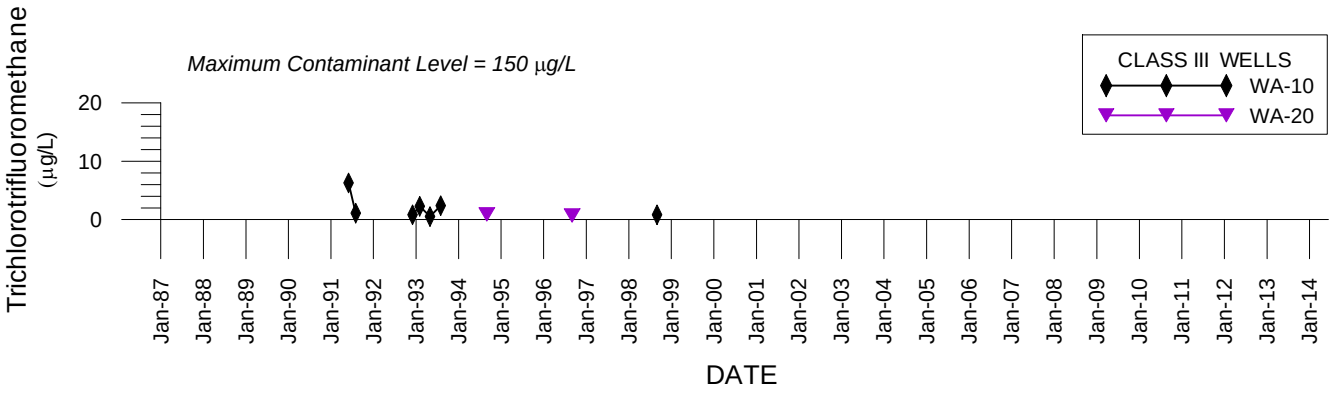


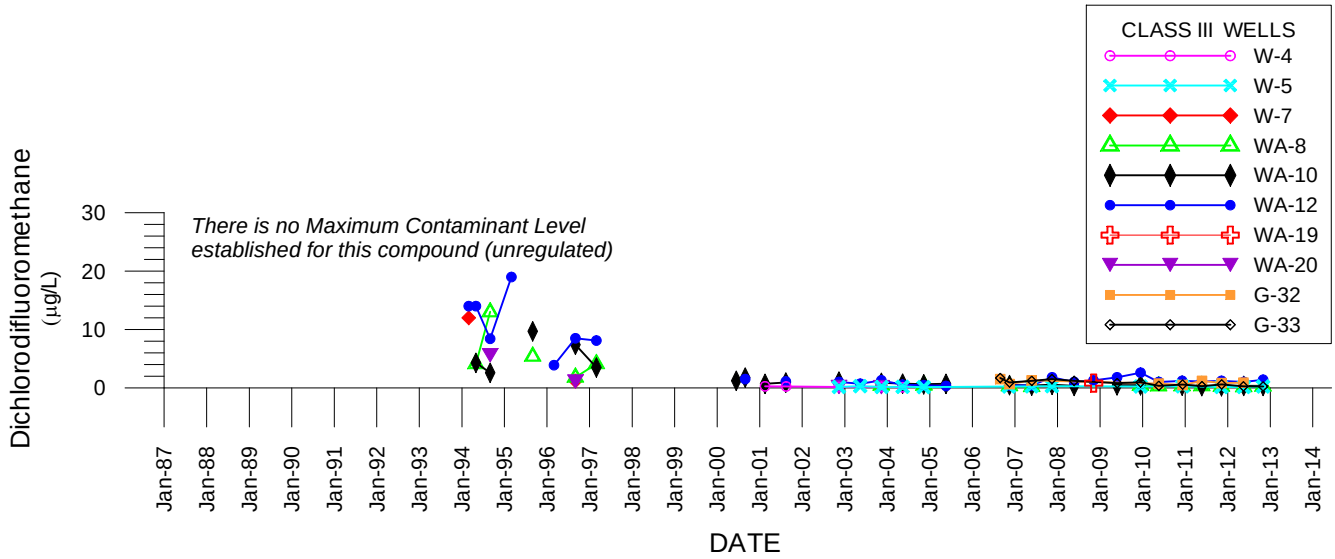
Time-Series Plots
VOC Concentrations
Class III Area Corrective Action Monitoring Program
John Smith Road Landfill

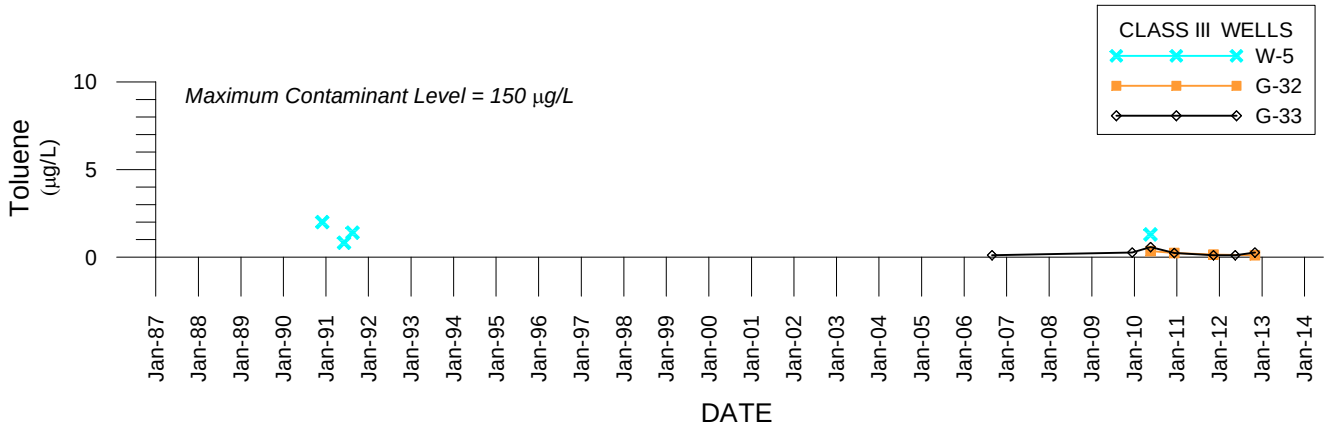




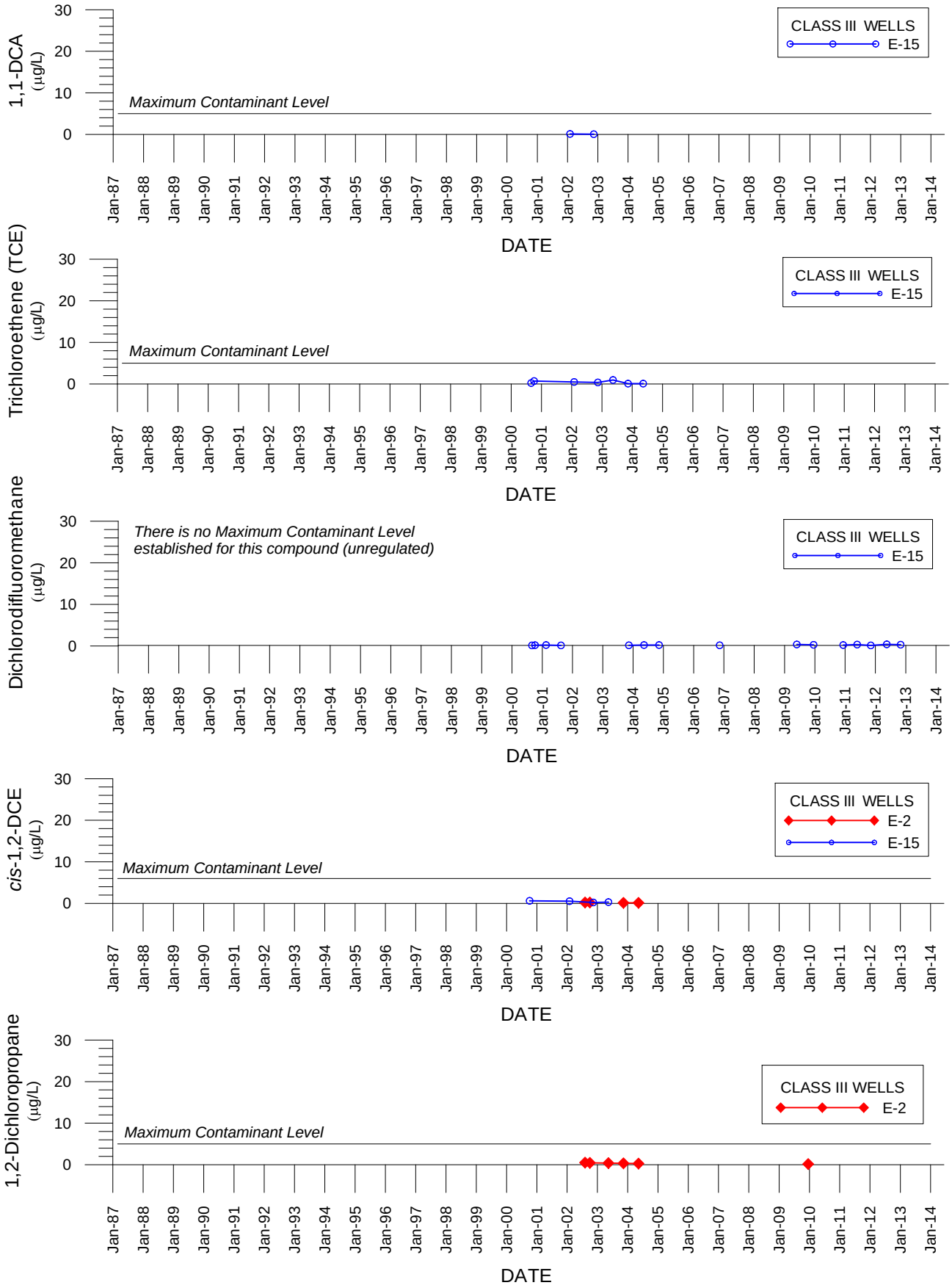
Time-Series Plots
VOC Concentrations
Class III Area Corrective Action Monitoring Program
John Smith Road Landfill







Time-Series Plots
VOC Concentrations
Class III Area Detection Monitoring Program
John Smith Road Landfill



APPENDIX H

Historical Analytical Data

Historical Field and Routine Parameters for Class III Area Detection Monitoring Program Wells

Company: San Benito County **Data Group:** None
Site: John Smith Road Landfill **Date Range:** All thru 4q12
Program: SBC Groundwater **Permit:** WDR 2010-0021

Parameter (Unit)	Date	Sample ID	Result Value	Detection Limit	Code
CP-25					
Field or Physical Parameters					
Dissolved Oxygen (mg/L)	2/15/2001	CP-25/36937	1.310	0.010	
Dissolved Oxygen (mg/L)	8/14/2001	CP-25/37117	2.160	0.010	
Dissolved Oxygen (mg/L)	1/29/2002	CP-25/37285	2.000	0.100	
Dissolved Oxygen (mg/L)	3/15/2002	CP-25/37330	0.820	0.100	
Dissolved Oxygen (mg/L)	11/13/2002	CP-25/37573	0.830	0.100	
Dissolved Oxygen (mg/L)	5/15/2003	CP-25/37756	0.380	0.100	
Dissolved Oxygen (mg/L)	11/13/2003	CP-25/37938	1.170	0.100	
Dissolved Oxygen (mg/L)	5/11/2004	CP-25/38118	0.000	0.100	
Dissolved Oxygen (mg/L)	11/11/2004	CP-25/38302	3.350	0.100	
Dissolved Oxygen (mg/L)	5/12/2005	CP-25/38484	0.000	0.100	F
Dissolved Oxygen (mg/L)	10/18/2005	CP-25/38643	0.230	0.100	F
Dissolved Oxygen (mg/L)	5/ 9/2006	CP-25/38846	0.050	0.100	F
Dissolved Oxygen (mg/L)	11/14/2006	CP-25/39035	1.020	0.100	F
Dissolved Oxygen (mg/L)	5/25/2007	CP-25/39227	0.800	0.010	F
Dissolved Oxygen (mg/L)	11/15/2007	CP-25/39401	0.500	0.010	F
Dissolved Oxygen (mg/L)	5/23/2008	CP-25/39591	0.400	0.010	F
Dissolved Oxygen (mg/L)	11/ 7/2008	CP-25/39759	0.000	0.010	F
Dissolved Oxygen (mg/L)	6/ 1/2009	CP-25/39965	2.080	0.010	F
Dissolved Oxygen (mg/L)	12/18/2009	CP-25/40165	0.150	0.010	F
Dissolved Oxygen (mg/L)	5/20/2010	CP-25/40318	0.310	0.010	F
Dissolved Oxygen (mg/L)	12/10/2010	CP-25/40522	0.730	0.010	F
Dissolved Oxygen (mg/L)	5/27/2011	CP-25/40690	1.300	0.010	F
Dissolved Oxygen (mg/L)	11/ 8/2011	CP-25/40855	1.100	0.010	F
Dissolved Oxygen (mg/L)	5/17/2012	CP-25/41046	0.700	0.010	F
Dissolved Oxygen (mg/L)	11/ 1/2012	CP-25/41214	1.200	0.010	F
ORP (mV)	5/ 9/2006	CP-25/38846	-230.300	1.000	F
ORP (mV)	5/25/2007	CP-25/39227	-165.100	1.000	F
ORP (mV)	11/15/2007	CP-25/39401	-78.000	1.000	F
ORP (mV)	5/23/2008	CP-25/39591	-153.000	0.010	F
ORP (mV)	11/ 7/2008	CP-25/39759	-73.000	0.010	F
ORP (mV)	6/ 1/2009	CP-25/39965	-148.000	0.010	F
ORP (mV)	12/18/2009	CP-25/40165	-86.000	0.010	F
ORP (mV)	12/10/2010	CP-25/40522	-64.500	0.010	F
ORP (mV)	5/27/2011	CP-25/40690	-118.700	0.010	F
ORP (mV)	11/ 8/2011	CP-25/40855	-93.100	0.010	F
ORP (mV)	5/17/2012	CP-25/41046	-115.800	0.010	F
ORP (mV)	11/ 1/2012	CP-25/41214	-107.000	0.010	F
pH (s.u.)	2/15/2001	CP-25/36937	7.730	0.010	
pH (s.u.)	2/15/2001	CP-25/36937	7.030	1.000	
pH (s.u.)	8/14/2001	CP-25/37117	7.940	2.000	P
pH (s.u.)	1/29/2002	CP-25/37285	7.610	2.000	
pH (s.u.)	1/29/2002	CP-25/37285	6.660	0.010	F
pH (s.u.)	3/15/2002	CP-25/37330	7.710	0.010	F
pH (s.u.)	11/13/2002	CP-25/37573	7.710	2.000	
pH (s.u.)	11/13/2002	CP-25/37573	7.680	0.010	F
pH (s.u.)	5/15/2003	CP-25/37756	7.620	2.000	
pH (s.u.)	5/15/2003	CP-25/37756	7.640	2.000	D
pH (s.u.)	5/15/2003	CP-25/37756	7.570	0.010	F
pH (s.u.)	11/13/2003	CP-25/37938	7.660	2.000	
pH (s.u.)	11/13/2003	CP-25/37938	7.670	0.010	F
pH (s.u.)	5/11/2004	CP-25/38118	7.690	0.010	F
pH (s.u.)	11/11/2004	CP-25/38302	7.560	2.000	

Historical Field and Routine Parameters for Class III Area Detection Monitoring Program Wells

Company: San Benito County **Data Group:** None
Site: John Smith Road Landfill **Date Range:** All thru 4q12
Program: SBC Groundwater **Permit:** WDR 2010-0021

Parameter (Unit)	Date	Sample ID	Result Value	Detection Limit	Code
pH (s.u.)	11/11/2004	CP-25/38302	7.670	0.010	F
pH (s.u.)	5/12/2005	CP-25/38484	7.620	0.010	F
pH (s.u.)	10/18/2005	CP-25/38643	7.700	0.000	
pH (s.u.)	10/18/2005	CP-25/38643	7.600	0.010	F
pH (s.u.)	5/ 9/2006	CP-25/38846	7.480	0.010	F
pH (s.u.)	5/ 9/2006	CP-25/38846	7.600	0.010	D
pH (s.u.)	11/14/2006	CP-25/39035	7.580	1.000	
pH (s.u.)	11/14/2006	CP-25/39035	7.390	0.010	F
pH (s.u.)	5/24/2007	CP-25/39226	7.680	0.050	D
pH (s.u.)	5/25/2007	CP-25/39227	7.470	0.010	F
pH (s.u.)	5/25/2007	CP-25/39227	7.630	0.050	
pH (s.u.)	11/15/2007	CP-25/39401	7.850	0.050	
pH (s.u.)	11/15/2007	CP-25/39401	7.470	0.010	F
pH (s.u.)	5/23/2008	CP-25/39591	7.560	0.010	F
pH (s.u.)	5/23/2008	CP-25/39591	7.700	0.050	
pH (s.u.)	11/ 7/2008	CP-25/39759	8.400	0.010	F
pH (s.u.)	11/ 7/2008	CP-25/39759	7.590	0.050	
pH (s.u.)	6/ 1/2009	CP-25/39965	7.410	0.010	F
pH (s.u.)	6/ 1/2009	CP-25/39965	7.730	0.050	P
pH (s.u.)	12/18/2009	CP-25/40165	7.680	0.050	
pH (s.u.)	12/18/2009	CP-25/40165	8.210	0.010	F
pH (s.u.)	5/20/2010	CP-25/40318	7.670	0.050	
pH (s.u.)	12/10/2010	CP-25/40522	7.450	0.010	F
pH (s.u.)	12/10/2010	CP-25/40522	7.650	0.050	
pH (s.u.)	5/27/2011	CP-25/40690	7.700	0.050	
pH (s.u.)	5/27/2011	CP-25/40690	7.690	0.050	D
pH (s.u.)	5/27/2011	CP-25/40690	7.710	0.010	F
pH (s.u.)	11/ 8/2011	CP-25/40855	7.620	0.010	F
pH (s.u.)	11/ 8/2011	CP-25/40855	7.680	0.050	
pH (s.u.)	5/17/2012	CP-25/41046	7.580	0.050	
pH (s.u.)	5/17/2012	CP-25/41046	7.600	0.050	D
pH (s.u.)	5/17/2012	CP-25/41046	7.720	0.010	F
pH (s.u.)	11/ 1/2012	CP-25/41214	7.440	0.010	F
pH (s.u.)	11/ 1/2012	CP-25/41214	7.780	0.050	
Specific Conductance (µmhos/cm)	2/15/2001	CP-25/36937	10800.000	1.000	
Specific Conductance (µmhos/cm)	2/15/2001	CP-25/36937	5510.000	1.000	
Specific Conductance (µmhos/cm)	8/14/2001	CP-25/37117	11000.000	1.000	
Specific Conductance (µmhos/cm)	1/29/2002	CP-25/37285	8200.000	1.000	
Specific Conductance (µmhos/cm)	1/29/2002	CP-25/37285	11200.000	1.000	F
Specific Conductance (µmhos/cm)	3/15/2002	CP-25/37330	10900.000	1.000	F
Specific Conductance (µmhos/cm)	11/13/2002	CP-25/37573	9800.000	1.000	
Specific Conductance (µmhos/cm)	11/13/2002	CP-25/37573	10800.000	1.000	F
Specific Conductance (µmhos/cm)	5/15/2003	CP-25/37756	10000.000	1.000	
Specific Conductance (µmhos/cm)	5/15/2003	CP-25/37756	10000.000	1.000	D
Specific Conductance (µmhos/cm)	5/15/2003	CP-25/37756	10800.000	1.000	F
Specific Conductance (µmhos/cm)	11/13/2003	CP-25/37938	9500.000	1.000	P
Specific Conductance (µmhos/cm)	11/13/2003	CP-25/37938	11300.000	1.000	F
Specific Conductance (µmhos/cm)	5/11/2004	CP-25/38118	10600.000	1.000	F
Specific Conductance (µmhos/cm)	11/11/2004	CP-25/38302	9600.000	1.000	
Specific Conductance (µmhos/cm)	11/11/2004	CP-25/38302	34500.000	1.000	F
Specific Conductance (µmhos/cm)	5/12/2005	CP-25/38484	11000.000	0.000	
Specific Conductance (µmhos/cm)	5/12/2005	CP-25/38484	11000.000	0.000	
Specific Conductance (µmhos/cm)	5/12/2005	CP-25/38484	11100.000	1.000	F
Specific Conductance (µmhos/cm)	10/18/2005	CP-25/38643	11000.000	0.000	

Historical Field and Routine Parameters for Class III Area Detection Monitoring Program Wells

Company: San Benito County **Data Group:** None
Site: John Smith Road Landfill **Date Range:** All thru 4q12
Program: SBC Groundwater **Permit:** WDR 2010-0021

Parameter (Unit)	Date	Sample ID	Result Value	Detection Limit	Code
Specific Conductance (µmhos/cm)	10/18/2005	CP-25/38643	11000.000	1.000	F
Specific Conductance (µmhos/cm)	5/ 9/2006	CP-25/38846	10950.000	1.000	F
Specific Conductance (µmhos/cm)	5/ 9/2006	CP-25/38846	11000.000	1.000	
Specific Conductance (µmhos/cm)	11/14/2006	CP-25/39035	10700.000	1.000	F
Specific Conductance (µmhos/cm)	11/14/2006	CP-25/39035	10000.000	1.000	
Specific Conductance (µmhos/cm)	5/24/2007	CP-25/39226	3930.000	1.000	D
Specific Conductance (µmhos/cm)	5/25/2007	CP-25/39227	10562.000	1.000	F
Specific Conductance (µmhos/cm)	5/25/2007	CP-25/39227	3980.000	1.000	
Specific Conductance (µmhos/cm)	11/15/2007	CP-25/39401	9780.000	1.000	
Specific Conductance (µmhos/cm)	11/15/2007	CP-25/39401	10202.000	1.000	F
Specific Conductance (µmhos/cm)	5/23/2008	CP-25/39591	10590.000	1.000	F
Specific Conductance (µmhos/cm)	5/23/2008	CP-25/39591	10300.000	1.000	
Specific Conductance (µmhos/cm)	11/ 7/2008	CP-25/39759	11050.000	1.000	F
Specific Conductance (µmhos/cm)	11/ 7/2008	CP-25/39759	10000.000	1.000	
Specific Conductance (µmhos/cm)	6/ 1/2009	CP-25/39965	1206.000	1.000	F
Specific Conductance (µmhos/cm)	6/ 1/2009	CP-25/39965	10500.000	1.000	
Specific Conductance (µmhos/cm)	12/18/2009	CP-25/40165	10600.000	1.000	
Specific Conductance (µmhos/cm)	12/18/2009	CP-25/40165	1195.000	1.000	F
Specific Conductance (µmhos/cm)	5/20/2010	CP-25/40318	9840.000	1.000	
Specific Conductance (µmhos/cm)	12/10/2010	CP-25/40522	9912.000	1.000	F
Specific Conductance (µmhos/cm)	12/10/2010	CP-25/40522	9750.000	1.000	
Specific Conductance (µmhos/cm)	5/27/2011	CP-25/40690	10200.000	1.000	
Specific Conductance (µmhos/cm)	5/27/2011	CP-25/40690	10300.000	1.000	D
Specific Conductance (µmhos/cm)	5/27/2011	CP-25/40690	8133.000	1.000	F
Specific Conductance (µmhos/cm)	11/ 8/2011	CP-25/40855	9548.000	1.000	F
Specific Conductance (µmhos/cm)	11/ 8/2011	CP-25/40855	10100.000	1.000	
Specific Conductance (µmhos/cm)	5/17/2012	CP-25/41046	10000.000	1.000	
Specific Conductance (µmhos/cm)	5/17/2012	CP-25/41046	10100.000	1.000	D
Specific Conductance (µmhos/cm)	5/17/2012	CP-25/41046	10134.000	1.000	F
Specific Conductance (µmhos/cm)	11/ 1/2012	CP-25/41214	10800.000	1.000	
Specific Conductance (µmhos/cm)	11/ 1/2012	CP-25/41214	9869.000	1.000	F
Temperature (deg C)	2/15/2001	CP-25/36937	18.300	0.100	
Temperature (deg C)	8/14/2001	CP-25/37117	21.100	0.100	
Temperature (deg C)	1/29/2002	CP-25/37285	16.500	0.100	
Temperature (deg C)	3/15/2002	CP-25/37330	17.800	0.100	
Temperature (deg C)	11/13/2002	CP-25/37573	19.100	0.100	
Temperature (deg C)	5/15/2003	CP-25/37756	21.100	0.100	
Temperature (deg C)	11/13/2003	CP-25/37938	21.200	0.100	
Temperature (deg C)	5/11/2004	CP-25/38118	18.700	0.100	
Temperature (deg C)	11/11/2004	CP-25/38302	19.200	0.100	
Temperature (deg C)	5/12/2005	CP-25/38484	18.600	0.100	F
Temperature (deg C)	10/18/2005	CP-25/38643	19.600	0.100	F
Temperature (deg C)	5/ 9/2006	CP-25/38846	19.880	0.100	F
Temperature (deg C)	11/14/2006	CP-25/39035	19.100	0.100	F
Temperature (deg C)	5/25/2007	CP-25/39227	19.670	0.100	F
Temperature (deg C)	11/15/2007	CP-25/39401	19.780	0.100	F
Temperature (deg C)	5/23/2008	CP-25/39591	19.700	0.100	F
Temperature (deg C)	11/ 7/2008	CP-25/39759	20.000	0.100	F
Temperature (deg C)	6/ 1/2009	CP-25/39965	19.900	0.100	F
Temperature (deg C)	12/18/2009	CP-25/40165	16.800	0.100	F
Temperature (deg C)	5/20/2010	CP-25/40318	19.800	0.100	F
Temperature (deg C)	12/10/2010	CP-25/40522	19.400	0.100	F
Temperature (deg C)	5/27/2011	CP-25/40690	19.300	0.100	F
Temperature (deg C)	11/ 8/2011	CP-25/40855	19.700	0.100	F

Historical Field and Routine Parameters for Class III Area Detection Monitoring Program Wells

Company: San Benito County **Data Group:** None
Site: John Smith Road Landfill **Date Range:** All thru 4q12
Program: SBC Groundwater **Permit:** WDR 2010-0021

Parameter (Unit)	Date	Sample ID	Result Value	Detection Limit	Code
Temperature (deg C)	5/17/2012	CP-25/41046	19.600	0.100	F
Temperature (deg C)	11/ 1/2012	CP-25/41214	19.200	0.100	F
Turbidity (Invalid)	2/15/2001	CP-25/36937	999.000	1.000	H
Turbidity (Invalid)	8/14/2001	CP-25/37117	70.000	1.000	
Turbidity (Invalid)	1/29/2002	CP-25/37285	28.000	1.000	
Turbidity (Invalid)	3/15/2002	CP-25/37330	82.000	1.000	
Turbidity (Invalid)	11/13/2002	CP-25/37573	71.000	1.000	
Turbidity (Invalid)	5/15/2003	CP-25/37756	84.000	1.000	
Turbidity (Invalid)	11/13/2003	CP-25/37938	160.000	1.000	
Turbidity (Invalid)	5/11/2004	CP-25/38118	0.000	1.000	
Turbidity (Invalid)	11/11/2004	CP-25/38302	44.000	1.000	
Turbidity (Invalid)	5/12/2005	CP-25/38484	18.000	1.000	F
Turbidity (Invalid)	10/18/2005	CP-25/38643	10.000	1.000	F
Turbidity (Invalid)	5/ 9/2006	CP-25/38846	30.400	1.000	F
Turbidity (Invalid)	11/14/2006	CP-25/39035	6.000	1.000	F
Turbidity (Invalid)	5/25/2007	CP-25/39227	17.300	1.000	F
Turbidity (Invalid)	11/15/2007	CP-25/39401	0.000	1.000	F
Turbidity (Invalid)	5/23/2008	CP-25/39591	0.300	1.000	F
Turbidity (Invalid)	11/ 7/2008	CP-25/39759	20.000	1.000	F
Turbidity (Invalid)	6/ 1/2009	CP-25/39965	8.000	1.000	F
Turbidity (Invalid)	12/18/2009	CP-25/40165	21.000	1.000	F
Turbidity (Invalid)	5/20/2010	CP-25/40318	14.000	1.000	F
Turbidity (Invalid)	5/27/2011	CP-25/40690	8.000	0.100	F
Turbidity (Invalid)	11/ 8/2011	CP-25/40855	6.000	0.100	F
Turbidity (Invalid)	5/17/2012	CP-25/41046	8.000	0.100	F
Turbidity (Invalid)	11/ 1/2012	CP-25/41214	7.000	0.100	F
Inorganic Parameters					
Chloride (mg/L)	2/15/2001	CP-25/36937	768.000	100.000	
Chloride (mg/L)	8/14/2001	CP-25/37117	730.000	50.000	
Chloride (mg/L)	1/29/2002	CP-25/37285	770.000	20.000	
Chloride (mg/L)	11/13/2002	CP-25/37573	780.000	50.000	
Chloride (mg/L)	5/15/2003	CP-25/37756	810.000	100.000	
Chloride (mg/L)	5/15/2003	CP-25/37756	820.000	100.000	D
Chloride (mg/L)	11/13/2003	CP-25/37938	900.000	50.000	
Chloride (mg/L)	5/11/2004	CP-25/38118	780.000	100.000	
Chloride (mg/L)	11/11/2004	CP-25/38302	810.000	10.000	
Chloride (mg/L)	5/12/2005	CP-25/38484	790.000	2.000	
Chloride (mg/L)	10/18/2005	CP-25/38643	800.000	2.000	
Chloride (mg/L)	5/ 9/2006	CP-25/38846	800.000	5.100	L
Chloride (mg/L)	11/14/2006	CP-25/39035	760.000	7.200	
Chloride (mg/L)	5/24/2007	CP-25/39226	500.000	0.180	D
Chloride (mg/L)	5/25/2007	CP-25/39227	500.000	0.180	
Chloride (mg/L)	11/15/2007	CP-25/39401	800.000	0.370	L
Chloride (mg/L)	5/23/2008	CP-25/39591	810.000	0.750	L
Chloride (mg/L)	11/ 7/2008	CP-25/39759	790.000	1.500	L
Chloride (mg/L)	6/ 1/2009	CP-25/39965	840.000	0.590	L
Chloride (mg/L)	12/18/2009	CP-25/40165	830.000	0.590	L
Chloride (mg/L)	5/20/2010	CP-25/40318	820.000	0.500	
Chloride (mg/L)	12/10/2010	CP-25/40522	820.000	0.500	L
Chloride (mg/L)	5/27/2011	CP-25/40690	740.000	0.500	L
Chloride (mg/L)	5/27/2011	CP-25/40690	740.000	0.500	L,D
Chloride (mg/L)	11/ 8/2011	CP-25/40855	850.000	0.660	L
Chloride (mg/L)	5/17/2012	CP-25/41046	780.000	1.300	L
Chloride (mg/L)	5/17/2012	CP-25/41046	780.000	1.300	L,D

Historical Field and Routine Parameters for Class III Area Detection Monitoring Program Wells

Company:	San Benito County	**Data Group:**	None
Site:	John Smith Road Landfill	**Date Range:**	All thru 4q12
Program:	SBC Groundwater	**Permit:**	WDR 2010-0021

Parameter (Unit)	Date	Sample ID	Result Value	Detection Limit	Code
Chloride (mg/L)	11/ 1/2012	CP-25/41214	820.000	0.660	L
Nitrate/Nitrite as N (mg/L)	2/15/2001	CP-25/36937	<0.050	0.050	
Nitrate/Nitrite as N (mg/L)	8/14/2001	CP-25/37117	0.058	0.050	
Nitrate/Nitrite as N (mg/L)	1/29/2002	CP-25/37285	<0.050	0.050	
Nitrate/Nitrite as N (mg/L)	11/13/2002	CP-25/37573	0.051	0.050	
Nitrate/Nitrite as N (mg/L)	5/15/2003	CP-25/37756	<0.050	0.050	
Nitrate/Nitrite as N (mg/L)	5/15/2003	CP-25/37756	<0.050	0.050	D
Nitrate/Nitrite as N (mg/L)	11/13/2003	CP-25/37938	<0.050	0.050	
Nitrate/Nitrite as N (mg/L)	5/11/2004	CP-25/38118	<0.050	0.050	
Nitrate/Nitrite as N (mg/L)	11/11/2004	CP-25/38302	0.140	0.050	
Nitrate/Nitrite as N (mg/L)	5/12/2005	CP-25/38484	<0.031	0.031	
Nitrate/Nitrite as N (mg/L)	10/18/2005	CP-25/38643	0.100	0.031	L
Nitrate/Nitrite as N (mg/L)	5/ 9/2006	CP-25/38846	<0.019	0.019	
Nitrate/Nitrite as N (mg/L)	11/14/2006	CP-25/39035	1.000	0.500	
Nitrate/Nitrite as N (mg/L)	5/24/2007	CP-25/39226	<0.050	0.050	D
Nitrate/Nitrite as N (mg/L)	5/25/2007	CP-25/39227	<0.050	0.050	
Nitrate/Nitrite as N (mg/L)	11/15/2007	CP-25/39401	<0.050	0.050	
Nitrate/Nitrite as N (mg/L)	5/23/2008	CP-25/39591	<0.050	0.050	
Nitrate/Nitrite as N (mg/L)	11/ 7/2008	CP-25/39759	<0.050	0.050	
Nitrate/Nitrite as N (mg/L)	6/ 1/2009	CP-25/39965	<0.050	0.050	
Nitrate/Nitrite as N (mg/L)	12/18/2009	CP-25/40165	0.020	0.010	J
Nitrate/Nitrite as N (mg/L)	5/20/2010	CP-25/40318	<0.010	0.010	
Nitrate/Nitrite as N (mg/L)	12/10/2010	CP-25/40522	0.015	0.010	J
Nitrate/Nitrite as N (mg/L)	5/27/2011	CP-25/40690	<0.010	0.010	
Nitrate/Nitrite as N (mg/L)	5/27/2011	CP-25/40690	<0.010	0.010	D
Nitrate/Nitrite as N (mg/L)	11/ 8/2011	CP-25/40855	0.580	0.010	
Nitrate/Nitrite as N (mg/L)	5/17/2012	CP-25/41046	0.012	0.010	J
Nitrate/Nitrite as N (mg/L)	5/17/2012	CP-25/41046	<0.010	0.010	D
Nitrate/Nitrite as N (mg/L)	11/ 1/2012	CP-25/41214	0.027	0.010	J
Water Quality Indicator Parameters					
Bicarbonate Alkalinity (mg/L)	5/24/2007	CP-25/39226	430.000	10.000	D
Bicarbonate Alkalinity (mg/L)	5/25/2007	CP-25/39227	460.000	20.000	
Bicarbonate Alkalinity (mg/L)	11/15/2007	CP-25/39401	400.000	5.000	L
Bicarbonate Alkalinity (mg/L)	5/23/2008	CP-25/39591	390.000	5.000	L
Bicarbonate Alkalinity (mg/L)	11/ 7/2008	CP-25/39759	380.000	5.000	
Bicarbonate Alkalinity (mg/L)	6/ 1/2009	CP-25/39965	370.000	8.200	
Bicarbonate Alkalinity (mg/L)	12/18/2009	CP-25/40165	360.000	4.100	
Bicarbonate Alkalinity (mg/L)	5/20/2010	CP-25/40318	360.000	8.200	
Bicarbonate Alkalinity (mg/L)	12/10/2010	CP-25/40522	350.000	8.200	L
Bicarbonate Alkalinity (mg/L)	5/27/2011	CP-25/40690	360.000	8.200	L
Bicarbonate Alkalinity (mg/L)	5/27/2011	CP-25/40690	360.000	8.200	L,D
Bicarbonate Alkalinity (mg/L)	11/ 8/2011	CP-25/40855	370.000	8.200	L
Bicarbonate Alkalinity (mg/L)	5/17/2012	CP-25/41046	360.000	8.200	
Bicarbonate Alkalinity (mg/L)	5/17/2012	CP-25/41046	360.000	8.200	D
Bicarbonate Alkalinity (mg/L)	11/ 1/2012	CP-25/41214	360.000	8.200	

E-15

Field or Physical Parameters				
Dissolved Oxygen (mg/L)	9/ 1/1995	E-15/34943	2.700	0.000
Dissolved Oxygen (mg/L)	9/ 1/1997	E-15/35674	2.600	0.000
Dissolved Oxygen (mg/L)	9/ 1/1998	E-15/36039	2.700	0.000
Dissolved Oxygen (mg/L)	3/ 1/1999	E-15/36220	4.100	0.000
Dissolved Oxygen (mg/L)	3/15/2000	E-15/36600	3.000	0.000
Dissolved Oxygen (mg/L)	6/15/2000	E-15/36692	7.810	0.010

Historical Field and Routine Parameters for Class III Area Detection Monitoring Program Wells

Company: San Benito County **Data Group:** None
Site: John Smith Road Landfill **Date Range:** All thru 4q12
Program: SBC Groundwater **Permit:** WDR 2010-0021

Parameter (Unit)	Date	Sample ID	Result Value	Detection Limit	Code
Dissolved Oxygen (mg/L)	6/15/2000	E-15/36692	7.270	0.010	
Dissolved Oxygen (mg/L)	6/15/2000	E-15/36692	7.270	0.010	
Dissolved Oxygen (mg/L)	10/ 5/2000	E-15/36804	1.990	0.010	
Dissolved Oxygen (mg/L)	2/16/2001	E-15/36938	3.300	0.010	
Dissolved Oxygen (mg/L)	8/15/2001	E-15/37118	1.780	0.010	
Dissolved Oxygen (mg/L)	1/31/2002	E-15/37287	7.490	0.010	
Dissolved Oxygen (mg/L)	11/13/2002	E-15/37573	7.990	0.010	
Dissolved Oxygen (mg/L)	5/13/2003	E-15/37754	0.890	0.010	
Dissolved Oxygen (mg/L)	11/11/2003	E-15/37936	1.040	0.010	
Dissolved Oxygen (mg/L)	5/11/2004	E-15/38118	3.990	0.010	
Dissolved Oxygen (mg/L)	11/10/2004	E-15/38301	4.510	0.010	
Dissolved Oxygen (mg/L)	5/12/2005	E-15/38484	2.350	0.010	F
Dissolved Oxygen (mg/L)	10/18/2005	E-15/38643	3.210	0.010	F
Dissolved Oxygen (mg/L)	5/10/2006	E-15/38847	0.150	0.010	F
Dissolved Oxygen (mg/L)	11/ 9/2006	E-15/39030	3.980	0.010	F
Dissolved Oxygen (mg/L)	5/25/2007	E-15/39227	2.600	0.010	F
Dissolved Oxygen (mg/L)	11/14/2007	E-15/39400	3.600	0.010	F
Dissolved Oxygen (mg/L)	5/23/2008	E-15/39591	0.800	0.010	F
Dissolved Oxygen (mg/L)	11/ 6/2008	E-15/39758	0.280	0.010	F
Dissolved Oxygen (mg/L)	5/28/2009	E-15/39961	0.860	0.010	F
Dissolved Oxygen (mg/L)	12/18/2009	E-15/40165	0.360	0.010	F
Dissolved Oxygen (mg/L)	5/20/2010	E-15/40318	0.330	0.010	F
Dissolved Oxygen (mg/L)	12/ 9/2010	E-15/40521	1.670	0.010	F
Dissolved Oxygen (mg/L)	5/26/2011	E-15/40689	1.600	0.010	F
Dissolved Oxygen (mg/L)	11/ 8/2011	E-15/40855	6.200	0.010	F
Dissolved Oxygen (mg/L)	5/17/2012	E-15/41046	2.400	0.010	F
Dissolved Oxygen (mg/L)	11/ 1/2012	E-15/41214	2.300	0.010	F
ORP (mV)	5/10/2006	E-15/38847	-29.100	1.000	F
ORP (mV)	5/25/2007	E-15/39227	189.300	1.000	F
ORP (mV)	11/14/2007	E-15/39400	-5.000	1.000	F
ORP (mV)	5/23/2008	E-15/39591	24.000	0.010	F
ORP (mV)	11/ 6/2008	E-15/39758	18.000	0.010	F
ORP (mV)	5/28/2009	E-15/39961	28.000	0.010	F
ORP (mV)	12/18/2009	E-15/40165	14.000	0.010	F
ORP (mV)	5/20/2010	E-15/40318	15.000	0.010	F
ORP (mV)	12/ 9/2010	E-15/40521	30.700	0.010	F
ORP (mV)	5/26/2011	E-15/40689	163.800	0.010	F
ORP (mV)	11/ 8/2011	E-15/40855	95.300	0.010	F
ORP (mV)	5/17/2012	E-15/41046	31.000	0.010	F
ORP (mV)	11/ 1/2012	E-15/41214	62.000	0.010	F
pH (s.u.)	4/ 2/1987	E-15/31869	7.500	0.000	
pH (s.u.)	4/19/1988	E-15/32252	7.550	0.000	
pH (s.u.)	3/ 7/1989	E-15/32574	7.380	0.000	
pH (s.u.)	5/ 3/1989	E-15/32631	7.000	0.000	
pH (s.u.)	8/ 2/1989	E-15/32722	7.000	0.000	
pH (s.u.)	9/27/1989	E-15/32778	6.990	0.000	
pH (s.u.)	11/10/1989	E-15/32822	6.660	0.000	
pH (s.u.)	2/ 9/1990	E-15/32913	7.000	0.000	
pH (s.u.)	3/15/1990	E-15/32947	6.890	0.000	
pH (s.u.)	5/15/1990	E-15/33008	6.870	0.000	
pH (s.u.)	6/13/1990	E-15/33037	7.050	0.000	
pH (s.u.)	7/18/1990	E-15/33072	6.900	0.000	
pH (s.u.)	9/19/1990	E-15/33135	6.900	0.000	
pH (s.u.)	11/30/1990	E-15/33207	7.160	0.000	

Historical Field and Routine Parameters for Class III Area Detection Monitoring Program Wells

Company: San Benito County **Data Group:** None
Site: John Smith Road Landfill **Date Range:** All thru 4q12
Program: SBC Groundwater **Permit:** WDR 2010-0021

Parameter (Unit)	Date	Sample ID	Result Value	Detection Limit	Code
pH (s.u.)	3/ 1/1991	E-15/33298	6.900	0.000	
pH (s.u.)	3/ 8/1991	E-15/33305	6.900	0.000	
pH (s.u.)	3/12/1991	E-15/33309	6.930	0.000	
pH (s.u.)	6/ 1/1991	E-15/33390	7.100	0.000	
pH (s.u.)	6/ 6/1991	E-15/33395	7.100	0.000	
pH (s.u.)	8/ 1/1991	E-15/33451	7.050	0.000	
pH (s.u.)	8/16/1991	E-15/33466	7.050	0.000	
pH (s.u.)	9/17/1991	E-15/33498	6.920	0.000	
pH (s.u.)	11/25/1991	E-15/33567	6.730	0.000	
pH (s.u.)	2/ 1/1992	E-15/33635	7.130	0.000	
pH (s.u.)	3/31/1992	E-15/33694	7.130	0.000	
pH (s.u.)	5/ 1/1992	E-15/33725	7.330	0.000	
pH (s.u.)	8/ 1/1992	E-15/33817	6.990	0.000	
pH (s.u.)	9/15/1992	E-15/33862	7.190	0.000	
pH (s.u.)	11/ 1/1992	E-15/33909	7.070	0.000	
pH (s.u.)	2/ 1/1993	E-15/34001	7.030	0.000	
pH (s.u.)	5/ 1/1993	E-15/34090	6.720	0.000	
pH (s.u.)	8/ 1/1993	E-15/34182	6.900	0.000	
pH (s.u.)	11/ 1/1993	E-15/34274	7.020	0.000	
pH (s.u.)	3/ 1/1994	E-15/34394	6.160	0.000	
pH (s.u.)	5/ 1/1994	E-15/34455	7.180	0.000	
pH (s.u.)	3/ 1/1995	E-15/34759	6.900	0.000	
pH (s.u.)	5/ 1/1995	E-15/34820	7.180	0.000	
pH (s.u.)	9/ 1/1995	E-15/34943	6.510	0.000	
pH (s.u.)	3/ 1/1996	E-15/35125	7.130	0.000	
pH (s.u.)	9/ 1/1996	E-15/35309	7.010	0.000	
pH (s.u.)	9/ 1/1997	E-15/35674	7.000	0.000	
pH (s.u.)	9/ 1/1998	E-15/36039	7.300	0.000	
pH (s.u.)	3/ 1/1999	E-15/36220	7.000	0.000	
pH (s.u.)	9/14/1999	E-15/36417	7.050	0.000	
pH (s.u.)	3/15/2000	E-15/36600	7.000	0.000	
pH (s.u.)	6/15/2000	E-15/36692	6.920	0.010	
pH (s.u.)	6/15/2000	E-15/36692	6.980	0.010	
pH (s.u.)	6/15/2000	E-15/36692	6.980	0.010	
pH (s.u.)	8/29/2000	E-15/36767	6.990	2.000	
pH (s.u.)	10/ 5/2000	E-15/36804	6.830	0.010	
pH (s.u.)	2/16/2001	E-15/36938	6.950	0.010	
pH (s.u.)	2/16/2001	E-15/36938	6.800	1.000	
pH (s.u.)	8/15/2001	E-15/37118	7.290	2.000	P
pH (s.u.)	1/31/2002	E-15/37287	7.330	2.000	
pH (s.u.)	1/31/2002	E-15/37287	7.370	0.010	F
pH (s.u.)	11/13/2002	E-15/37573	7.390	2.000	
pH (s.u.)	11/13/2002	E-15/37573	7.270	0.010	F
pH (s.u.)	5/13/2003	E-15/37754	7.590	2.000	
pH (s.u.)	5/13/2003	E-15/37754	6.880	0.010	F
pH (s.u.)	11/11/2003	E-15/37936	6.880	2.000	
pH (s.u.)	11/11/2003	E-15/37936	6.830	0.010	F
pH (s.u.)	5/11/2004	E-15/38118	6.970	0.010	F
pH (s.u.)	11/10/2004	E-15/38301	6.790	2.000	
pH (s.u.)	11/10/2004	E-15/38301	6.920	0.010	F
pH (s.u.)	5/12/2005	E-15/38484	6.960	0.010	F
pH (s.u.)	10/18/2005	E-15/38643	6.950	0.010	F
pH (s.u.)	10/18/2005	E-15/38643	7.400	0.000	
pH (s.u.)	5/10/2006	E-15/38847	6.800	0.010	F

Historical Field and Routine Parameters for Class III Area Detection Monitoring Program Wells

Company: San Benito County **Data Group:** None
Site: John Smith Road Landfill **Date Range:** All thru 4q12
Program: SBC Groundwater **Permit:** WDR 2010-0021

Parameter (Unit)	Date	Sample ID	Result Value	Detection Limit	Code
pH (s.u.)	5/10/2006	E-15/38847	7.000	0.010	
pH (s.u.)	11/ 9/2006	E-15/39030	7.090	0.010	F
pH (s.u.)	11/ 9/2006	E-15/39030	7.500	1.000	
pH (s.u.)	11/10/2006	E-15/39031	7.040	1.000	D
pH (s.u.)	5/25/2007	E-15/39227	6.980	0.010	F
pH (s.u.)	5/25/2007	E-15/39227	7.650	0.050	
pH (s.u.)	11/14/2007	E-15/39400	8.050	0.050	
pH (s.u.)	11/14/2007	DUP-1/39400	8.020	0.050	
pH (s.u.)	11/14/2007	E-15/39400	7.890	0.010	F
pH (s.u.)	5/23/2008	E-15/39591	6.830	0.010	F
pH (s.u.)	5/23/2008	E-15/39591	7.310	0.050	
pH (s.u.)	5/23/2008	E-15/39591d	7.580	0.050	D
pH (s.u.)	11/ 6/2008	E-15/39758	7.750	0.010	F
pH (s.u.)	11/ 6/2008	E-15/39758	7.610	0.050	
pH (s.u.)	11/ 6/2008	E-15/39758	7.660	0.050	D
pH (s.u.)	5/28/2009	E-15/39961	6.740	0.010	F
pH (s.u.)	5/29/2009	E-15/39962	7.290	0.050	P
pH (s.u.)	12/18/2009	E-15/40165	7.720	0.010	F
pH (s.u.)	12/18/2009	E-15/40165	7.320	0.050	
pH (s.u.)	5/20/2010	E-15/40318	7.320	0.050	
pH (s.u.)	5/20/2010	E-15/40318	7.700	0.010	F
pH (s.u.)	12/ 9/2010	E-15/40521	7.020	0.010	F
pH (s.u.)	12/ 9/2010	E-15/40521	7.340	0.050	
pH (s.u.)	5/26/2011	E-15/40689	7.170	0.010	F
pH (s.u.)	5/26/2011	E-15/40689	7.170	0.050	
pH (s.u.)	11/ 8/2011	E-15/40855	7.370	0.050	
pH (s.u.)	11/ 8/2011	E-15/40855	7.390	0.050	D
pH (s.u.)	11/ 8/2011	E-15/40855	7.380	0.010	F
pH (s.u.)	5/17/2012	E-15/41046	7.320	0.010	F
pH (s.u.)	5/17/2012	E-15/41046	7.150	0.050	
pH (s.u.)	11/ 1/2012	E-15/41214	7.230	0.010	F
pH (s.u.)	11/ 1/2012	E-15/41214	7.420	0.050	
Specific Conductance (µmhos/cm)	4/ 2/1987	E-15/31869	3300.000	0.000	
Specific Conductance (µmhos/cm)	4/19/1988	E-15/32252	4500.000	0.000	
Specific Conductance (µmhos/cm)	3/ 7/1989	E-15/32574	4100.000	0.000	
Specific Conductance (µmhos/cm)	5/ 3/1989	E-15/32631	5000.000	0.000	
Specific Conductance (µmhos/cm)	8/ 2/1989	E-15/32722	4500.000	0.000	
Specific Conductance (µmhos/cm)	9/27/1989	E-15/32778	4100.000	0.000	
Specific Conductance (µmhos/cm)	11/10/1989	E-15/32822	4600.000	0.000	
Specific Conductance (µmhos/cm)	2/ 9/1990	E-15/32913	4200.000	0.000	
Specific Conductance (µmhos/cm)	3/15/1990	E-15/32947	5200.000	0.000	
Specific Conductance (µmhos/cm)	5/15/1990	E-15/33008	4600.000	0.000	
Specific Conductance (µmhos/cm)	6/13/1990	E-15/33037	4700.000	0.000	
Specific Conductance (µmhos/cm)	7/18/1990	E-15/33072	4100.000	0.000	
Specific Conductance (µmhos/cm)	9/19/1990	E-15/33135	4575.000	0.000	
Specific Conductance (µmhos/cm)	11/30/1990	E-15/33207	4000.000	0.000	
Specific Conductance (µmhos/cm)	3/ 1/1991	E-15/33298	4900.000	0.000	
Specific Conductance (µmhos/cm)	3/ 8/1991	E-15/33305	4900.000	0.000	
Specific Conductance (µmhos/cm)	3/12/1991	E-15/33309	4525.000	0.000	
Specific Conductance (µmhos/cm)	6/ 1/1991	E-15/33390	4000.000	0.000	
Specific Conductance (µmhos/cm)	6/ 6/1991	E-15/33395	4000.000	0.000	
Specific Conductance (µmhos/cm)	8/ 1/1991	E-15/33451	4500.000	0.000	
Specific Conductance (µmhos/cm)	8/16/1991	E-15/33466	4500.000	0.000	
Specific Conductance (µmhos/cm)	9/17/1991	E-15/33498	5200.000	0.000	

Historical Field and Routine Parameters for Class III Area Detection Monitoring Program Wells

Company: San Benito County **Data Group:** None
Site: John Smith Road Landfill **Date Range:** All thru 4q12
Program: SBC Groundwater **Permit:** WDR 2010-0021

Parameter (Unit)	Date	Sample ID	Result Value	Detection Limit	Code
Specific Conductance (µmhos/cm)	11/25/1991	E-15/33567	4200.000	0.000	
Specific Conductance (µmhos/cm)	2/ 1/1992	E-15/33635	4100.000	0.000	
Specific Conductance (µmhos/cm)	3/31/1992	E-15/33694	5200.000	0.000	
Specific Conductance (µmhos/cm)	5/ 1/1992	E-15/33725	4400.000	0.000	
Specific Conductance (µmhos/cm)	8/ 1/1992	E-15/33817	4300.000	0.000	
Specific Conductance (µmhos/cm)	9/15/1992	E-15/33862	5000.000	0.000	
Specific Conductance (µmhos/cm)	11/ 1/1992	E-15/33909	3900.000	0.000	
Specific Conductance (µmhos/cm)	2/ 1/1993	E-15/34001	3800.000	0.000	
Specific Conductance (µmhos/cm)	5/ 1/1993	E-15/34090	4600.000	0.000	
Specific Conductance (µmhos/cm)	8/ 1/1993	E-15/34182	5000.000	0.000	
Specific Conductance (µmhos/cm)	11/ 1/1993	E-15/34274	4500.000	0.000	
Specific Conductance (µmhos/cm)	3/ 1/1995	E-15/34759	5220.000	0.000	
Specific Conductance (µmhos/cm)	5/ 1/1995	E-15/34820	4820.000	0.000	
Specific Conductance (µmhos/cm)	9/ 1/1995	E-15/34943	4070.000	0.000	
Specific Conductance (µmhos/cm)	3/ 1/1996	E-15/35125	3270.000	0.000	
Specific Conductance (µmhos/cm)	9/ 1/1996	E-15/35309	4700.000	0.000	
Specific Conductance (µmhos/cm)	9/ 1/1997	E-15/35674	4200.000	0.000	
Specific Conductance (µmhos/cm)	9/ 1/1998	E-15/36039	6700.000	0.000	
Specific Conductance (µmhos/cm)	3/ 1/1999	E-15/36220	4300.000	0.000	
Specific Conductance (µmhos/cm)	9/14/1999	E-15/36417	2950.000	0.000	
Specific Conductance (µmhos/cm)	3/15/2000	E-15/36600	3820.000	0.000	
Specific Conductance (µmhos/cm)	6/15/2000	E-15/36692	3370.000	1.000	
Specific Conductance (µmhos/cm)	6/15/2000	E-15/36692	3320.000	1.000	
Specific Conductance (µmhos/cm)	6/15/2000	E-15/36692	3320.000	1.000	
Specific Conductance (µmhos/cm)	8/29/2000	E-15/36767	5230.000	1.000	
Specific Conductance (µmhos/cm)	10/ 5/2000	E-15/36804	5040.000	1.000	
Specific Conductance (µmhos/cm)	2/16/2001	E-15/36938	5550.000	1.000	
Specific Conductance (µmhos/cm)	2/16/2001	E-15/36938	5360.000	1.000	
Specific Conductance (µmhos/cm)	8/15/2001	E-15/37118	5600.000	1.000	
Specific Conductance (µmhos/cm)	1/31/2002	E-15/37287	3600.000	1.000	
Specific Conductance (µmhos/cm)	1/31/2002	E-15/37287	3110.000	1.000	F
Specific Conductance (µmhos/cm)	11/13/2002	E-15/37573	3400.000	1.000	
Specific Conductance (µmhos/cm)	11/13/2002	E-15/37573	3150.000	1.000	F
Specific Conductance (µmhos/cm)	5/13/2003	E-15/37754	3700.000	1.000	
Specific Conductance (µmhos/cm)	5/13/2003	E-15/37754	4720.000	1.000	F
Specific Conductance (µmhos/cm)	11/11/2003	E-15/37936	5300.000	1.000	
Specific Conductance (µmhos/cm)	11/11/2003	E-15/37936	5830.000	1.000	F
Specific Conductance (µmhos/cm)	5/11/2004	E-15/38118	6150.000	1.000	F
Specific Conductance (µmhos/cm)	11/10/2004	E-15/38301	5300.000	1.000	
Specific Conductance (µmhos/cm)	11/10/2004	E-15/38301	5110.000	1.000	F
Specific Conductance (µmhos/cm)	5/12/2005	E-15/38484	5750.000	1.000	F
Specific Conductance (µmhos/cm)	5/12/2005	E-15/38484	5800.000	0.000	
Specific Conductance (µmhos/cm)	10/18/2005	E-15/38643	5600.000	0.000	
Specific Conductance (µmhos/cm)	10/18/2005	E-15/38643	5480.000	1.000	F
Specific Conductance (µmhos/cm)	5/10/2006	E-15/38847	5862.000	1.000	F
Specific Conductance (µmhos/cm)	5/10/2006	E-15/38847	5500.000	1.000	
Specific Conductance (µmhos/cm)	11/ 9/2006	E-15/39030	5702.000	1.000	F
Specific Conductance (µmhos/cm)	11/ 9/2006	E-15/39030	5600.000	1.000	
Specific Conductance (µmhos/cm)	11/10/2006	E-15/39031	5500.000	1.000	D
Specific Conductance (µmhos/cm)	5/25/2007	E-15/39227	5462.000	1.000	F
Specific Conductance (µmhos/cm)	5/25/2007	E-15/39227	4870.000	1.000	
Specific Conductance (µmhos/cm)	11/14/2007	E-15/39400	4700.000	1.000	
Specific Conductance (µmhos/cm)	11/14/2007	DUP-1/39400	4660.000	1.000	
Specific Conductance (µmhos/cm)	11/14/2007	E-15/39400	5275.000	1.000	F

Historical Field and Routine Parameters for Class III Area Detection Monitoring Program Wells

Company: San Benito County **Data Group:** None
Site: John Smith Road Landfill **Date Range:** All thru 4q12
Program: SBC Groundwater **Permit:** WDR 2010-0021

Parameter (Unit)	Date	Sample ID	Result Value	Detection Limit	Code
Specific Conductance (µmhos/cm)	5/23/2008	E-15/39591	5410.000	1.000	F
Specific Conductance (µmhos/cm)	5/23/2008	E-15/39591	5130.000	1.000	
Specific Conductance (µmhos/cm)	5/23/2008	E-15/39591d	5110.000	1.000	D
Specific Conductance (µmhos/cm)	11/ 6/2008	E-15/39758	4860.000	1.000	
Specific Conductance (µmhos/cm)	11/ 6/2008	E-15/39758	4680.000	1.000	D
Specific Conductance (µmhos/cm)	11/ 6/2008	E-15/39758	5307.000	1.000	F
Specific Conductance (µmhos/cm)	5/28/2009	E-15/39961	6258.000	1.000	F
Specific Conductance (µmhos/cm)	5/29/2009	E-15/39962	5140.000	1.000	
Specific Conductance (µmhos/cm)	12/18/2009	E-15/40165	5000.000	1.000	
Specific Conductance (µmhos/cm)	12/18/2009	E-15/40165	5358.000	1.000	F
Specific Conductance (µmhos/cm)	5/20/2010	E-15/40318	5000.000	1.000	
Specific Conductance (µmhos/cm)	5/20/2010	E-15/40318	5219.000	1.000	F
Specific Conductance (µmhos/cm)	5/20/2010	E-15/40318	4960.000	1.000	
Specific Conductance (µmhos/cm)	12/ 9/2010	E-15/40521	5120.000	1.000	
Specific Conductance (µmhos/cm)	12/ 9/2010	E-15/40521	4997.000	1.000	F
Specific Conductance (µmhos/cm)	5/26/2011	E-15/40689	4750.000	1.000	
Specific Conductance (µmhos/cm)	5/26/2011	E-15/40689	4151.000	1.000	F
Specific Conductance (µmhos/cm)	11/ 8/2011	E-15/40855	4810.000	1.000	F
Specific Conductance (µmhos/cm)	11/ 8/2011	E-15/40855	5080.000	1.000	
Specific Conductance (µmhos/cm)	11/ 8/2011	E-15/40855	5080.000	1.000	D
Specific Conductance (µmhos/cm)	5/17/2012	E-15/41046	5120.000	1.000	
Specific Conductance (µmhos/cm)	5/17/2012	E-15/41046	5039.000	1.000	F
Specific Conductance (µmhos/cm)	11/ 1/2012	E-15/41214	5440.000	1.000	
Specific Conductance (µmhos/cm)	11/ 1/2012	E-15/41214	4801.000	1.000	F
Temperature (deg C)	6/15/2000	E-15/36692	21.600	0.100	
Temperature (deg C)	6/15/2000	E-15/36692	19.900	0.100	
Temperature (deg C)	6/15/2000	E-15/36692	19.900	0.100	
Temperature (deg C)	10/ 5/2000	E-15/36804	21.200	0.100	
Temperature (deg C)	2/16/2001	E-15/36938	17.400	0.100	
Temperature (deg C)	8/15/2001	E-15/37118	20.100	0.100	
Temperature (deg C)	1/31/2002	E-15/37287	18.800	0.100	
Temperature (deg C)	11/13/2002	E-15/37573	20.000	0.100	
Temperature (deg C)	5/13/2003	E-15/37754	20.600	0.100	
Temperature (deg C)	11/11/2003	E-15/37936	20.700	0.100	
Temperature (deg C)	5/11/2004	E-15/38118	22.300	0.100	
Temperature (deg C)	11/10/2004	E-15/38301	20.300	0.100	
Temperature (deg C)	5/12/2005	E-15/38484	23.400	0.100	F
Temperature (deg C)	10/18/2005	E-15/38643	22.200	0.100	F
Temperature (deg C)	5/10/2006	E-15/38847	20.940	0.100	F
Temperature (deg C)	11/ 9/2006	E-15/39030	20.080	0.100	F
Temperature (deg C)	5/25/2007	E-15/39227	20.110	0.100	F
Temperature (deg C)	11/14/2007	E-15/39400	19.920	0.100	F
Temperature (deg C)	5/23/2008	E-15/39591	20.790	0.100	F
Temperature (deg C)	11/ 6/2008	E-15/39758	20.200	0.100	F
Temperature (deg C)	5/28/2009	E-15/39961	21.200	0.100	F
Temperature (deg C)	12/18/2009	E-15/40165	19.200	0.100	F
Temperature (deg C)	5/20/2010	E-15/40318	20.100	0.100	F
Temperature (deg C)	12/ 9/2010	E-15/40521	20.100	0.100	F
Temperature (deg C)	5/26/2011	E-15/40689	20.500	0.100	F
Temperature (deg C)	11/ 8/2011	E-15/40855	20.100	0.100	F
Temperature (deg C)	5/17/2012	E-15/41046	20.900	0.100	F
Temperature (deg C)	11/ 1/2012	E-15/41214	19.600	0.100	F
Turbidity (Invalid)	3/ 7/1989	E-15/32574	100.000	0.000	
Turbidity (Invalid)	5/ 3/1989	E-15/32631	100.000	0.000	

Historical Field and Routine Parameters for Class III Area Detection Monitoring Program Wells

Company: San Benito County **Data Group:** None
Site: John Smith Road Landfill **Date Range:** All thru 4q12
Program: SBC Groundwater **Permit:** WDR 2010-0021

Parameter (Unit)	Date	Sample ID	Result Value	Detection Limit	Code
Turbidity (Invalid)	8/ 2/1989	E-15/32722	200.000	0.000	
Turbidity (Invalid)	11/10/1989	E-15/32822	0.990	0.000	
Turbidity (Invalid)	2/ 9/1990	E-15/32913	2.150	0.000	
Turbidity (Invalid)	5/15/1990	E-15/33008	8.700	0.000	
Turbidity (Invalid)	7/18/1990	E-15/33072	3.400	0.000	
Turbidity (Invalid)	11/30/1990	E-15/33207	4.360	0.000	
Turbidity (Invalid)	3/ 1/1991	E-15/33298	14.600	0.000	
Turbidity (Invalid)	3/ 8/1991	E-15/33305	14.600	0.000	
Turbidity (Invalid)	6/ 1/1991	E-15/33390	8.240	0.000	
Turbidity (Invalid)	6/ 6/1991	E-15/33395	8.240	0.000	
Turbidity (Invalid)	8/ 1/1991	E-15/33451	15.000	0.000	
Turbidity (Invalid)	8/16/1991	E-15/33466	15.000	0.000	
Turbidity (Invalid)	11/25/1991	E-15/33567	1.260	0.000	
Turbidity (Invalid)	2/ 1/1992	E-15/33635	1.820	0.000	
Turbidity (Invalid)	5/ 1/1992	E-15/33725	100.000	0.000	
Turbidity (Invalid)	8/ 1/1992	E-15/33817	5.250	0.000	
Turbidity (Invalid)	11/ 1/1992	E-15/33909	1.700	0.000	
Turbidity (Invalid)	2/ 1/1993	E-15/34001	8.720	0.000	
Turbidity (Invalid)	5/ 1/1993	E-15/34090	3.030	0.000	
Turbidity (Invalid)	8/ 1/1993	E-15/34182	7.210	0.000	
Turbidity (Invalid)	11/ 1/1993	E-15/34274	3.760	0.000	
Turbidity (Invalid)	6/15/2000	E-15/36692	8.000	1.000	
Turbidity (Invalid)	6/15/2000	E-15/36692	3.000	1.000	
Turbidity (Invalid)	6/15/2000	E-15/36692	3.000	1.000	
Turbidity (Invalid)	10/ 5/2000	E-15/36804	10.000	1.000	
Turbidity (Invalid)	2/16/2001	E-15/36938	3.000	1.000	
Turbidity (Invalid)	8/15/2001	E-15/37118	5.000	1.000	
Turbidity (Invalid)	1/31/2002	E-15/37287	1.000	1.000	
Turbidity (Invalid)	11/13/2002	E-15/37573	1.000	1.000	
Turbidity (Invalid)	5/13/2003	E-15/37754	3.000	1.000	
Turbidity (Invalid)	11/11/2003	E-15/37936	8.000	1.000	
Turbidity (Invalid)	5/11/2004	E-15/38118	0.000	1.000	
Turbidity (Invalid)	11/10/2004	E-15/38301	45.000	1.000	
Turbidity (Invalid)	5/12/2005	E-15/38484	6.000	1.000	F
Turbidity (Invalid)	10/18/2005	E-15/38643	7.000	1.000	F
Turbidity (Invalid)	5/10/2006	E-15/38847	0.000	1.000	F
Turbidity (Invalid)	11/ 9/2006	E-15/39030	1.600	1.000	F
Turbidity (Invalid)	5/25/2007	E-15/39227	43.200	1.000	F
Turbidity (Invalid)	11/14/2007	E-15/39400	10.000	1.000	F
Turbidity (Invalid)	5/23/2008	E-15/39591	0.600	1.000	F
Turbidity (Invalid)	11/ 6/2008	E-15/39758	3.000	1.000	F
Turbidity (Invalid)	5/28/2009	E-15/39961	5.000	1.000	F
Turbidity (Invalid)	12/18/2009	E-15/40165	22.000	1.000	F
Turbidity (Invalid)	5/20/2010	E-15/40318	7.000	1.000	
Turbidity (Invalid)	5/26/2011	E-15/40689	9.000	0.100	F
Turbidity (Invalid)	11/ 8/2011	E-15/40855	10.000	0.100	F
Turbidity (Invalid)	5/17/2012	E-15/41046	10.000	0.100	F
Turbidity (Invalid)	11/ 1/2012	E-15/41214	4.000	0.100	F
Inorganic Parameters					
Chloride (mg/L)	4/ 2/1987	E-15/31869	890.000	0.000	
Chloride (mg/L)	4/19/1988	E-15/32252	640.000	0.000	
Chloride (mg/L)	3/ 1/1991	E-15/33298	630.000	0.000	
Chloride (mg/L)	6/ 1/1991	E-15/33390	510.000	0.000	
Chloride (mg/L)	8/ 1/1991	E-15/33451	580.000	0.000	

Historical Field and Routine Parameters for Class III Area Detection Monitoring Program Wells

Company: San Benito County **Data Group:** None
Site: John Smith Road Landfill **Date Range:** All thru 4q12
Program: SBC Groundwater **Permit:** WDR 2010-0021

Parameter (Unit)	Date	Sample ID	Result Value	Detection Limit	Code
Chloride (mg/L)	11/25/1991	E-15/33567	580.000	0.000	
Chloride (mg/L)	2/ 1/1992	E-15/33635	580.000	0.000	
Chloride (mg/L)	5/ 1/1992	E-15/33725	480.000	0.000	
Chloride (mg/L)	8/ 1/1992	E-15/33817	480.000	0.000	
Chloride (mg/L)	11/ 1/1992	E-15/33909	470.000	0.000	
Chloride (mg/L)	2/ 1/1993	E-15/34001	550.000	0.000	
Chloride (mg/L)	5/ 1/1993	E-15/34090	530.000	0.000	
Chloride (mg/L)	8/ 1/1993	E-15/34182	450.000	0.000	
Chloride (mg/L)	11/ 1/1993	E-15/34274	290.000	0.000	
Chloride (mg/L)	3/ 1/1994	E-15/34394	502.000	0.000	
Chloride (mg/L)	5/ 1/1994	E-15/34455	474.000	0.000	
Chloride (mg/L)	3/ 1/1995	E-15/34759	639.000	0.000	
Chloride (mg/L)	9/ 1/1995	E-15/34943	634.000	0.000	
Chloride (mg/L)	9/ 1/1996	E-15/35309	694.000	0.000	
Chloride (mg/L)	3/ 1/1997	E-15/35490	688.000	0.000	
Chloride (mg/L)	9/ 1/1997	E-15/35674	700.000	0.000	
Chloride (mg/L)	9/ 1/1998	E-15/36039	750.000	0.000	
Chloride (mg/L)	3/ 1/1999	E-15/36220	600.000	0.000	
Chloride (mg/L)	9/14/1999	E-15/36417	613.000	0.000	
Chloride (mg/L)	3/15/2000	E-15/36600	558.000	0.000	
Chloride (mg/L)	8/29/2000	E-15/36767	589.000	3.540	
Chloride (mg/L)	2/16/2001	E-15/36938	758.000	50.000	
Chloride (mg/L)	8/15/2001	E-15/37118	600.000	50.000	
Chloride (mg/L)	1/31/2002	E-15/37287	440.000	50.000	
Chloride (mg/L)	11/13/2002	E-15/37573	400.000	50.000	
Chloride (mg/L)	5/13/2003	E-15/37754	400.000	50.000	
Chloride (mg/L)	11/11/2003	E-15/37936	570.000	100.000	
Chloride (mg/L)	5/11/2004	E-15/38118	620.000	100.000	
Chloride (mg/L)	11/10/2004	E-15/38301	630.000	10.000	
Chloride (mg/L)	5/12/2005	E-15/38484	620.000	2.000	
Chloride (mg/L)	10/18/2005	E-15/38643	560.000	5.000	
Chloride (mg/L)	5/10/2006	E-15/38847	620.000	5.100	L
Chloride (mg/L)	11/ 9/2006	E-15/39030	580.000	7.200	
Chloride (mg/L)	11/10/2006	E-15/39031	560.000	7.200	D
Chloride (mg/L)	5/25/2007	E-15/39227	620.000	0.180	
Chloride (mg/L)	11/14/2007	E-15/39400	560.000	0.180	L
Chloride (mg/L)	11/14/2007	DUP-1/39400	560.000	0.180	L
Chloride (mg/L)	5/23/2008	E-15/39591	540.000	0.380	L
Chloride (mg/L)	5/23/2008	E-15/39591d	540.000	0.380	L,D
Chloride (mg/L)	11/ 6/2008	E-15/39758	510.000	0.380	L
Chloride (mg/L)	11/ 6/2008	E-15/39758	490.000	0.380	L,D
Chloride (mg/L)	5/29/2009	E-15/39962	550.000	0.590	B,D,L
Chloride (mg/L)	12/18/2009	E-15/40165	560.000	0.300	L
Chloride (mg/L)	5/20/2010	E-15/40318	550.000	0.250	
Chloride (mg/L)	5/20/2010	E-15/40318	550.000	0.250	
Chloride (mg/L)	12/ 9/2010	E-15/40521	560.000	0.250	B
Chloride (mg/L)	5/26/2011	E-15/40689	500.000	0.250	L
Chloride (mg/L)	11/ 8/2011	E-15/40855	540.000	0.330	L
Chloride (mg/L)	11/ 8/2011	E-15/40855	540.000	0.330	D,L
Chloride (mg/L)	5/17/2012	E-15/41046	550.000	0.660	L
Chloride (mg/L)	11/ 1/2012	E-15/41214	560.000	0.330	L
Nitrate/Nitrite as N (mg/L)	3/ 7/1989	E-15/32574	20.000	0.000	
Nitrate/Nitrite as N (mg/L)	5/ 3/1989	E-15/32631	17.000	0.000	
Nitrate/Nitrite as N (mg/L)	8/ 2/1989	E-15/32722	10.000	0.000	

Historical Field and Routine Parameters for Class III Area Detection Monitoring Program Wells

Company:	San Benito County	**Data Group:**	None
Site:	John Smith Road Landfill	**Date Range:**	All thru 4q12
Program:	SBC Groundwater	**Permit:**	WDR 2010-0021

Parameter (Unit)	Date	Sample ID	Result Value	Detection Limit	Code
Nitrate/Nitrite as N (mg/L)	5/15/1990	E-15/33008	4.300	0.000	
Nitrate/Nitrite as N (mg/L)	7/18/1990	E-15/33072	6.500	0.000	
Nitrate/Nitrite as N (mg/L)	11/30/1990	E-15/33207	2.000	0.000	
Nitrate/Nitrite as N (mg/L)	3/ 8/1991	E-15/33305	7.900	0.000	
Nitrate/Nitrite as N (mg/L)	6/ 6/1991	E-15/33395	3.400	0.000	
Nitrate/Nitrite as N (mg/L)	8/16/1991	E-15/33466	4.500	0.000	
Nitrate/Nitrite as N (mg/L)	11/25/1991	E-15/33567	5.200	0.000	
Nitrate/Nitrite as N (mg/L)	8/ 1/1992	E-15/33817	1.200	0.000	
Nitrate/Nitrite as N (mg/L)	3/ 1/1994	E-15/34394	0.230	0.000	
Nitrate/Nitrite as N (mg/L)	5/ 1/1994	E-15/34455	7.700	0.000	
Nitrate/Nitrite as N (mg/L)	3/ 1/1995	E-15/34759	0.990	0.000	
Nitrate/Nitrite as N (mg/L)	9/ 1/1995	E-15/34943	1.300	0.000	
Nitrate/Nitrite as N (mg/L)	9/ 1/1996	E-15/35309	1.300	0.000	
Nitrate/Nitrite as N (mg/L)	3/ 1/1997	E-15/35490	6.500	0.000	
Nitrate/Nitrite as N (mg/L)	9/ 1/1997	E-15/35674	0.440	0.000	
Nitrate/Nitrite as N (mg/L)	9/ 1/1998	E-15/36039	2.900	0.000	
Nitrate/Nitrite as N (mg/L)	3/ 1/1999	E-15/36220	12.000	0.000	
Nitrate/Nitrite as N (mg/L)	9/14/1999	E-15/36417	3.890	0.000	
Nitrate/Nitrite as N (mg/L)	3/15/2000	E-15/36600	1.790	0.000	
Nitrate/Nitrite as N (mg/L)	8/29/2000	E-15/36767	1.420	0.050	
Nitrate/Nitrite as N (mg/L)	2/16/2001	E-15/36938	4.660	0.050	
Nitrate/Nitrite as N (mg/L)	8/15/2001	E-15/37118	2.500	0.050	
Nitrate/Nitrite as N (mg/L)	1/31/2002	E-15/37287	0.830	0.050	
Nitrate/Nitrite as N (mg/L)	11/13/2002	E-15/37573	0.770	0.050	
Nitrate/Nitrite as N (mg/L)	5/13/2003	E-15/37754	0.710	0.050	
Nitrate/Nitrite as N (mg/L)	11/11/2003	E-15/37936	1.900	0.050	
Nitrate/Nitrite as N (mg/L)	5/11/2004	E-15/38118	4.100	0.050	
Nitrate/Nitrite as N (mg/L)	11/10/2004	E-15/38301	4.100	0.050	
Nitrate/Nitrite as N (mg/L)	5/12/2005	E-15/38484	3.300	0.031	
Nitrate/Nitrite as N (mg/L)	10/18/2005	E-15/38643	0.970	0.031	
Nitrate/Nitrite as N (mg/L)	5/10/2006	E-15/38847	1.200	0.019	
Nitrate/Nitrite as N (mg/L)	11/ 9/2006	E-15/39030	0.360	0.050	
Nitrate/Nitrite as N (mg/L)	11/10/2006	E-15/39031	1.200	0.500	D
Nitrate/Nitrite as N (mg/L)	5/25/2007	E-15/39227	6.200	0.500	
Nitrate/Nitrite as N (mg/L)	11/14/2007	E-15/39400	1.800	0.050	
Nitrate/Nitrite as N (mg/L)	11/14/2007	DUP-1/39400	1.600	0.050	
Nitrate/Nitrite as N (mg/L)	5/23/2008	E-15/39591	0.600	0.050	
Nitrate/Nitrite as N (mg/L)	5/23/2008	E-15/39591d	0.410	0.050	D
Nitrate/Nitrite as N (mg/L)	11/ 6/2008	E-15/39758	1.500	0.050	
Nitrate/Nitrite as N (mg/L)	11/ 6/2008	E-15/39758	1.500	0.050	D
Nitrate/Nitrite as N (mg/L)	5/29/2009	E-15/39962	2.000	0.050	
Nitrate/Nitrite as N (mg/L)	12/18/2009	E-15/40165	1.800	0.010	
Nitrate/Nitrite as N (mg/L)	5/20/2010	E-15/40318	1.700	0.010	
Nitrate/Nitrite as N (mg/L)	5/20/2010	E-15/40318	1.700	0.010	
Nitrate/Nitrite as N (mg/L)	12/ 9/2010	E-15/40521	1.200	0.010	
Nitrate/Nitrite as N (mg/L)	5/26/2011	E-15/40689	1.500	0.010	
Nitrate/Nitrite as N (mg/L)	11/ 8/2011	E-15/40855	0.670	0.010	
Nitrate/Nitrite as N (mg/L)	11/ 8/2011	E-15/40855	<0.010	0.010	D
Nitrate/Nitrite as N (mg/L)	5/17/2012	E-15/41046	1.600	0.010	
Nitrate/Nitrite as N (mg/L)	11/ 1/2012	E-15/41214	0.750	0.010	
Water Quality Indicator Parameters					
Bicarbonate Alkalinity (mg/L)	3/ 7/1989	E-15/32574	330.000	0.000	
Bicarbonate Alkalinity (mg/L)	5/ 3/1989	E-15/32631	220.000	0.000	
Bicarbonate Alkalinity (mg/L)	8/ 2/1989	E-15/32722	420.000	0.000	

Historical Field and Routine Parameters for Class III Area Detection Monitoring Program Wells

Company: San Benito County **Data Group:** None
Site: John Smith Road Landfill **Date Range:** All thru 4q12
Program: SBC Groundwater **Permit:** WDR 2010-0021

Parameter (Unit)	Date	Sample ID	Result Value	Detection Limit	Code
Bicarbonate Alkalinity (mg/L)	11/10/1989	E-15/32822	110.000	0.000	
Bicarbonate Alkalinity (mg/L)	2/ 9/1990	E-15/32913	540.000	0.000	
Bicarbonate Alkalinity (mg/L)	5/15/1990	E-15/33008	410.000	0.000	
Bicarbonate Alkalinity (mg/L)	11/30/1990	E-15/33207	400.000	0.000	
Bicarbonate Alkalinity (mg/L)	3/ 1/1991	E-15/33298	330.000	0.000	
Bicarbonate Alkalinity (mg/L)	3/ 8/1991	E-15/33305	330.000	0.000	
Bicarbonate Alkalinity (mg/L)	6/ 1/1991	E-15/33390	440.000	0.000	
Bicarbonate Alkalinity (mg/L)	6/ 6/1991	E-15/33395	440.000	0.000	
Bicarbonate Alkalinity (mg/L)	8/ 1/1991	E-15/33451	400.000	0.000	
Bicarbonate Alkalinity (mg/L)	8/16/1991	E-15/33466	400.000	0.000	
Bicarbonate Alkalinity (mg/L)	11/25/1991	E-15/33567	800.000	0.000	
Bicarbonate Alkalinity (mg/L)	2/ 1/1992	E-15/33635	380.000	0.000	
Bicarbonate Alkalinity (mg/L)	5/ 1/1992	E-15/33725	490.000	0.000	
Bicarbonate Alkalinity (mg/L)	8/ 1/1992	E-15/33817	500.000	0.000	
Bicarbonate Alkalinity (mg/L)	11/ 1/1992	E-15/33909	490.000	0.000	
Bicarbonate Alkalinity (mg/L)	2/ 1/1993	E-15/34001	380.000	0.000	
Bicarbonate Alkalinity (mg/L)	5/ 1/1993	E-15/34090	430.000	0.000	
Bicarbonate Alkalinity (mg/L)	8/ 1/1993	E-15/34182	520.000	0.000	
Bicarbonate Alkalinity (mg/L)	11/ 1/1993	E-15/34274	520.000	0.000	
Bicarbonate Alkalinity (mg/L)	5/ 1/1994	E-15/34455	416.000	0.000	
Bicarbonate Alkalinity (mg/L)	5/25/2007	E-15/39227	400.000	10.000	
Bicarbonate Alkalinity (mg/L)	11/14/2007	E-15/39400	340.000	5.000	L
Bicarbonate Alkalinity (mg/L)	11/14/2007	DUP-1/39400	330.000	5.000	L
Bicarbonate Alkalinity (mg/L)	5/23/2008	E-15/39591	390.000	5.000	L
Bicarbonate Alkalinity (mg/L)	5/23/2008	E-15/39591d	400.000	5.000	L,D
Bicarbonate Alkalinity (mg/L)	11/ 6/2008	E-15/39758	450.000	10.000	L
Bicarbonate Alkalinity (mg/L)	11/ 6/2008	E-15/39758	480.000	10.000	L,D
Bicarbonate Alkalinity (mg/L)	5/29/2009	E-15/39962	370.000	8.200	D
Bicarbonate Alkalinity (mg/L)	12/18/2009	E-15/40165	370.000	4.100	
Bicarbonate Alkalinity (mg/L)	5/20/2010	E-15/40318	360.000	8.200	
Bicarbonate Alkalinity (mg/L)	5/20/2010	E-15/40318	370.000	8.200	
Bicarbonate Alkalinity (mg/L)	12/ 9/2010	E-15/40521	360.000	8.200	L
Bicarbonate Alkalinity (mg/L)	5/26/2011	E-15/40689	360.000	8.200	L
Bicarbonate Alkalinity (mg/L)	11/ 8/2011	E-15/40855	370.000	8.200	D
Bicarbonate Alkalinity (mg/L)	11/ 8/2011	E-15/40855	370.000	8.200	D
Bicarbonate Alkalinity (mg/L)	5/17/2012	E-15/41046	350.000	8.200	
Bicarbonate Alkalinity (mg/L)	11/ 1/2012	E-15/41214	360.000	8.200	

E-2

Field or Physical Parameters

Dissolved Oxygen (mg/L)	6/13/2000	E-2/36690	1.490	0.010	
Dissolved Oxygen (mg/L)	6/13/2000	E-2/36690	1.420	0.010	
Dissolved Oxygen (mg/L)	6/13/2000	E-2/36690	1.420	0.010	
Dissolved Oxygen (mg/L)	2/14/2001	E-2/36936	2.180	0.010	
Dissolved Oxygen (mg/L)	8/14/2001	E-2/37117	1.160	0.010	
Dissolved Oxygen (mg/L)	1/30/2002	E-2/37286	1.180	0.010	
Dissolved Oxygen (mg/L)	2/25/2002	E-2/37312	1.300	0.010	
Dissolved Oxygen (mg/L)	8/ 6/2002	E-2/37474	2.910	0.010	
Dissolved Oxygen (mg/L)	5/13/2003	E-2/37754	1.250	0.010	
Dissolved Oxygen (mg/L)	11/12/2003	E-2/37937	1.990	0.010	
Dissolved Oxygen (mg/L)	5/10/2004	E-2/38117	2.880	0.010	
Dissolved Oxygen (mg/L)	11/10/2004	E-2/38301	3.900	0.010	
Dissolved Oxygen (mg/L)	5/10/2005	E-2/38482	1.610	0.010	F
Dissolved Oxygen (mg/L)	10/21/2005	E-2/38646	1.720	0.010	F

Historical Field and Routine Parameters for Class III Area Detection Monitoring Program Wells

Company: San Benito County **Data Group:** None
Site: John Smith Road Landfill **Date Range:** All thru 4q12
Program: SBC Groundwater **Permit:** WDR 2010-0021

Parameter (Unit)	Date	Sample ID	Result Value	Detection Limit	Code
Dissolved Oxygen (mg/L)	11/ 9/2006	E-2/39030	1.980	0.100	F
Dissolved Oxygen (mg/L)	5/24/2007	E-2/39226	3.000	0.010	F
Dissolved Oxygen (mg/L)	11/14/2007	E-2/39400	2.500	0.010	F
Dissolved Oxygen (mg/L)	5/22/2008	E-2/39590	1.200	0.010	F
Dissolved Oxygen (mg/L)	11/ 6/2008	E-2/39758	1.840	0.010	F
Dissolved Oxygen (mg/L)	5/28/2009	E-2/39961	1.230	0.010	F
Dissolved Oxygen (mg/L)	12/18/2009	E-2/40165	1.790	0.010	F
Dissolved Oxygen (mg/L)	5/17/2010	E-2/40315	5.240	0.010	F
Dissolved Oxygen (mg/L)	12/ 9/2010	E-2/40521	1.900	0.010	F
Dissolved Oxygen (mg/L)	5/26/2011	E-2/40689	2.400	0.010	F
Dissolved Oxygen (mg/L)	11/ 8/2011	E-2/40855	1.800	0.010	F
Dissolved Oxygen (mg/L)	5/17/2012	E-2/41046	1.200	0.010	F
Dissolved Oxygen (mg/L)	11/ 1/2012	E-2/41214	2.000	0.010	F
ORP (mV)	5/24/2007	E-2/39226	6.500	1.000	F
ORP (mV)	11/14/2007	E-2/39400	-10.000	1.000	F
ORP (mV)	5/22/2008	E-2/39590	-8.000	0.010	F
ORP (mV)	11/ 6/2008	E-2/39758	-12.000	0.010	F
ORP (mV)	5/28/2009	E-2/39961	32.000	0.010	F
ORP (mV)	12/18/2009	E-2/40165	-19.000	0.010	F
ORP (mV)	5/17/2010	E-2/40315	97.000	0.010	F
ORP (mV)	12/ 9/2010	E-2/40521	26.600	0.010	F
ORP (mV)	5/26/2011	E-2/40689	109.700	0.010	F
ORP (mV)	11/ 8/2011	E-2/40855	67.700	0.010	F
ORP (mV)	5/17/2012	E-2/41046	72.300	0.010	F
ORP (mV)	11/ 1/2012	E-2/41214	52.000	0.010	F
pH (s.u.)	4/ 1/1987	E-2/31868	7.200	0.000	
pH (s.u.)	4/18/1988	E-2/32251	7.030	0.000	
pH (s.u.)	9/28/1989	E-2/32779	6.800	0.000	
pH (s.u.)	12/14/1989	E-2/32856	6.830	0.000	
pH (s.u.)	3/14/1990	E-2/32946	6.980	0.000	
pH (s.u.)	6/12/1990	E-2/33036	6.730	0.000	
pH (s.u.)	9/18/1990	E-2/33134	6.970	0.000	
pH (s.u.)	3/ 1/1991	E-2/33298	6.970	0.000	
pH (s.u.)	3/ 1/1991	E-2/33298	6.810	0.000	
pH (s.u.)	6/ 1/1991	E-2/33390	7.080	0.000	
pH (s.u.)	9/ 1/1991	E-2/33482	6.910	0.000	
pH (s.u.)	9/ 1/1991	E-2/33482	6.810	0.000	
pH (s.u.)	12/ 1/1991	E-2/33573	7.020	0.000	
pH (s.u.)	3/ 1/1992	E-2/33664	6.990	0.000	
pH (s.u.)	3/30/1992	E-2/33693	6.990	0.000	
pH (s.u.)	6/ 1/1992	E-2/33756	7.260	0.000	
pH (s.u.)	9/ 1/1992	E-2/33848	6.920	0.000	
pH (s.u.)	9/14/1992	E-2/33861	7.010	0.000	
pH (s.u.)	12/ 1/1992	E-2/33939	6.990	0.000	
pH (s.u.)	3/ 1/1993	E-2/34029	7.090	0.000	
pH (s.u.)	6/ 1/1993	E-2/34121	7.110	0.000	
pH (s.u.)	9/ 1/1993	E-2/34213	6.910	0.000	
pH (s.u.)	12/ 1/1993	E-2/34304	7.350	0.000	
pH (s.u.)	3/ 1/1994	E-2/34394	6.920	0.000	
pH (s.u.)	8/ 1/1994	E-2/34547	6.810	0.000	
pH (s.u.)	12/ 1/1994	E-2/34669	6.710	0.000	
pH (s.u.)	2/ 1/1995	E-2/34731	7.210	0.000	
pH (s.u.)	5/ 1/1995	E-2/34820	6.630	0.000	
pH (s.u.)	8/ 1/1995	E-2/34912	6.500	0.000	

Historical Field and Routine Parameters for Class III Area Detection Monitoring Program Wells

Company: San Benito County **Data Group:** None
Site: John Smith Road Landfill **Date Range:** All thru 4q12
Program: SBC Groundwater **Permit:** WDR 2010-0021

Parameter (Unit)	Date	Sample ID	Result Value	Detection Limit	Code
pH (s.u.)	3/ 1/1996	E-2/35125	7.080	0.000	
pH (s.u.)	3/ 1/1997	E-2/35490	6.880	0.000	
pH (s.u.)	4/ 1/1998	E-2/35886	7.100	0.000	
pH (s.u.)	9/ 1/1998	E-2/36039	7.200	0.000	
pH (s.u.)	4/ 1/1999	E-2/36251	7.100	0.000	
pH (s.u.)	9/ 1/1999	E-2/36404	6.900	0.000	
pH (s.u.)	3/ 7/2000	E-2/36592	7.060	0.000	
pH (s.u.)	6/13/2000	E-2/36690	6.810	0.010	
pH (s.u.)	6/13/2000	E-2/36690	6.910	0.010	
pH (s.u.)	6/13/2000	E-2/36690	6.910	0.010	
pH (s.u.)	2/14/2001	E-2/36936	6.950	0.010	
pH (s.u.)	2/14/2001	E-2/36936	7.090	2.000	
pH (s.u.)	8/14/2001	E-2/37117	6.990	0.010	
pH (s.u.)	1/30/2002	E-2/37286	7.010	2.000	
pH (s.u.)	1/30/2002	E-2/37286	7.140	0.010	F
pH (s.u.)	2/25/2002	E-2/37312	7.220	0.010	F
pH (s.u.)	8/ 6/2002	E-2/37474	6.930	0.010	F
pH (s.u.)	5/13/2003	E-2/37754	6.900	0.010	F
pH (s.u.)	11/12/2003	E-2/37937	7.010	0.010	F
pH (s.u.)	5/10/2004	E-2/38117	7.000	0.010	F
pH (s.u.)	11/10/2004	E-2/38301	7.010	0.010	F
pH (s.u.)	5/10/2005	E-2/38482	6.920	0.010	F
pH (s.u.)	10/21/2005	E-2/38646	7.360	0.010	F
pH (s.u.)	5/10/2006	E-2/38847	6.840	0.010	F
pH (s.u.)	11/ 9/2006	E-2/39030	7.140	0.010	F
pH (s.u.)	5/24/2007	E-2/39226	6.900	0.010	F
pH (s.u.)	5/24/2007	E-2/39226	7.620	0.050	
pH (s.u.)	11/14/2007	E-2/39400	7.460	0.050	
pH (s.u.)	11/14/2007	E-2/39400	7.120	0.010	F
pH (s.u.)	5/22/2008	E-2/39590	6.860	0.010	F
pH (s.u.)	5/22/2008	E-2/39590	7.170	0.050	
pH (s.u.)	11/ 6/2008	E-2/39758	7.790	0.010	F
pH (s.u.)	11/ 6/2008	E-2/39758	7.340	0.050	
pH (s.u.)	5/28/2009	E-2/39961	6.740	0.010	F
pH (s.u.)	5/28/2009	E-2/39961	7.150	0.050	P
pH (s.u.)	12/18/2009	E-2/40165	7.140	0.050	
pH (s.u.)	12/18/2009	E-2/40165	7.710	0.010	F
pH (s.u.)	5/17/2010	E-2/40315	7.790	0.010	F
pH (s.u.)	5/17/2010	E-2/40315	7.230	0.050	
pH (s.u.)	12/ 9/2010	E-2/40521	7.080	0.010	F
pH (s.u.)	12/ 9/2010	E-2/40521	7.370	0.050	
pH (s.u.)	12/ 9/2010	E-2/40521	7.470	0.050	
pH (s.u.)	5/26/2011	E-2/40689	7.470	0.010	F
pH (s.u.)	5/26/2011	E-2/40689	7.180	0.050	
pH (s.u.)	11/ 8/2011	E-2/40855	7.630	0.010	F
pH (s.u.)	11/ 8/2011	E-2/40855	7.150	0.050	
pH (s.u.)	5/17/2012	E-2/41046	7.120	0.010	F
pH (s.u.)	5/17/2012	E-2/41046	7.090	0.050	
pH (s.u.)	11/ 1/2012	E-2/41214	7.200	0.010	F
pH (s.u.)	11/ 1/2012	E-2/41214	7.300	0.050	
Specific Conductance (µmhos/cm)	4/ 1/1987	E-2/31868	3600.000	0.000	
Specific Conductance (µmhos/cm)	4/18/1988	E-2/32251	4000.000	0.000	
Specific Conductance (µmhos/cm)	9/28/1989	E-2/32779	4200.000	0.000	
Specific Conductance (µmhos/cm)	12/14/1989	E-2/32856	4200.000	0.000	

Historical Field and Routine Parameters for Class III Area Detection Monitoring Program Wells

Company: San Benito County **Data Group:** None
Site: John Smith Road Landfill **Date Range:** All thru 4q12
Program: SBC Groundwater **Permit:** WDR 2010-0021

Parameter (Unit)	Date	Sample ID	Result Value	Detection Limit	Code
Specific Conductance (µmhos/cm)	3/14/1990	E-2/32946	3900.000	0.000	
Specific Conductance (µmhos/cm)	6/12/1990	E-2/33036	4300.000	0.000	
Specific Conductance (µmhos/cm)	9/18/1990	E-2/33134	3725.000	0.000	
Specific Conductance (µmhos/cm)	3/ 1/1991	E-2/33298	2640.000	0.000	
Specific Conductance (µmhos/cm)	3/ 1/1991	E-2/33298	3700.000	0.000	
Specific Conductance (µmhos/cm)	6/ 1/1991	E-2/33390	3830.000	0.000	
Specific Conductance (µmhos/cm)	9/ 1/1991	E-2/33482	4130.000	0.000	
Specific Conductance (µmhos/cm)	9/ 1/1991	E-2/33482	4300.000	0.000	
Specific Conductance (µmhos/cm)	12/ 1/1991	E-2/33573	3780.000	0.000	
Specific Conductance (µmhos/cm)	3/ 1/1992	E-2/33664	4470.000	0.000	
Specific Conductance (µmhos/cm)	3/30/1992	E-2/33693	4300.000	0.000	
Specific Conductance (µmhos/cm)	6/ 1/1992	E-2/33756	3870.000	0.000	
Specific Conductance (µmhos/cm)	9/ 1/1992	E-2/33848	4290.000	0.000	
Specific Conductance (µmhos/cm)	9/14/1992	E-2/33861	4100.000	0.000	
Specific Conductance (µmhos/cm)	9/14/1992	E-2/33861	4100.000	0.000	
Specific Conductance (µmhos/cm)	12/ 1/1992	E-2/33939	4810.000	0.000	
Specific Conductance (µmhos/cm)	3/ 1/1993	E-2/34029	4120.000	0.000	
Specific Conductance (µmhos/cm)	6/ 1/1993	E-2/34121	4520.000	0.000	
Specific Conductance (µmhos/cm)	9/ 1/1993	E-2/34213	3940.000	0.000	
Specific Conductance (µmhos/cm)	12/ 1/1993	E-2/34304	5190.000	0.000	
Specific Conductance (µmhos/cm)	3/ 1/1994	E-2/34394	4480.000	0.000	
Specific Conductance (µmhos/cm)	8/ 1/1994	E-2/34547	4790.000	0.000	
Specific Conductance (µmhos/cm)	12/ 1/1994	E-2/34669	3910.000	0.000	
Specific Conductance (µmhos/cm)	2/ 1/1995	E-2/34731	1591.000	0.000	
Specific Conductance (µmhos/cm)	5/ 1/1995	E-2/34820	4380.000	0.000	
Specific Conductance (µmhos/cm)	8/ 1/1995	E-2/34912	3210.000	0.000	
Specific Conductance (µmhos/cm)	3/ 1/1996	E-2/35125	2590.000	0.000	
Specific Conductance (µmhos/cm)	3/ 1/1997	E-2/35490	3610.000	0.000	
Specific Conductance (µmhos/cm)	4/ 1/1998	E-2/35886	3300.000	0.000	
Specific Conductance (µmhos/cm)	9/ 1/1998	E-2/36039	3850.000	0.000	
Specific Conductance (µmhos/cm)	4/ 1/1999	E-2/36251	4100.000	0.000	
Specific Conductance (µmhos/cm)	9/ 1/1999	E-2/36404	3910.000	0.000	
Specific Conductance (µmhos/cm)	3/ 7/2000	E-2/36592	3180.000	0.000	
Specific Conductance (µmhos/cm)	6/13/2000	E-2/36690	4530.000	1.000	
Specific Conductance (µmhos/cm)	6/13/2000	E-2/36690	4470.000	1.000	
Specific Conductance (µmhos/cm)	6/13/2000	E-2/36690	4470.000	1.000	
Specific Conductance (µmhos/cm)	2/14/2001	E-2/36936	4700.000	1.000	
Specific Conductance (µmhos/cm)	2/14/2001	E-2/36936	4750.000	1.000	
Specific Conductance (µmhos/cm)	8/14/2001	E-2/37117	4460.000	1.000	
Specific Conductance (µmhos/cm)	1/30/2002	E-2/37286	4400.000	1.000	
Specific Conductance (µmhos/cm)	1/30/2002	E-2/37286	4490.000	1.000	F
Specific Conductance (µmhos/cm)	2/25/2002	E-2/37312	4540.000	1.000	F
Specific Conductance (µmhos/cm)	8/ 6/2002	E-2/37474	5060.000	1.000	F
Specific Conductance (µmhos/cm)	5/13/2003	E-2/37754	4600.000	1.000	F
Specific Conductance (µmhos/cm)	11/12/2003	E-2/37937	4860.000	1.000	F
Specific Conductance (µmhos/cm)	5/10/2004	E-2/38117	4750.000	1.000	F
Specific Conductance (µmhos/cm)	11/10/2004	E-2/38301	4090.000	1.000	F
Specific Conductance (µmhos/cm)	5/10/2005	E-2/38482	4580.000	1.000	F
Specific Conductance (µmhos/cm)	10/21/2005	E-2/38646	4580.000	1.000	F
Specific Conductance (µmhos/cm)	5/10/2006	E-2/38847	4857.000	1.000	F
Specific Conductance (µmhos/cm)	11/ 9/2006	E-2/39030	4827.000	1.000	F
Specific Conductance (µmhos/cm)	5/24/2007	E-2/39226	4538.000	1.000	F
Specific Conductance (µmhos/cm)	5/24/2007	E-2/39226	4300.000	1.000	
Specific Conductance (µmhos/cm)	11/14/2007	E-2/39400	4170.000	1.000	

Historical Field and Routine Parameters for Class III Area Detection Monitoring Program Wells

Company: San Benito County **Data Group:** None
Site: John Smith Road Landfill **Date Range:** All thru 4q12
Program: SBC Groundwater **Permit:** WDR 2010-0021

Parameter (Unit)	Date	Sample ID	Result Value	Detection Limit	Code
Specific Conductance (µmhos/cm)	11/14/2007	E-2/39400	4416.000	1.000	F
Specific Conductance (µmhos/cm)	5/22/2008	E-2/39590	4450.000	1.000	F
Specific Conductance (µmhos/cm)	5/22/2008	E-2/39590	4440.000	1.000	
Specific Conductance (µmhos/cm)	11/ 6/2008	E-2/39758	4550.000	1.000	
Specific Conductance (µmhos/cm)	11/ 6/2008	E-2/39758	4629.000	1.000	F
Specific Conductance (µmhos/cm)	5/28/2009	E-2/39961	5310.000	1.000	F
Specific Conductance (µmhos/cm)	5/28/2009	E-2/39961	4480.000	1.000	
Specific Conductance (µmhos/cm)	12/18/2009	E-2/40165	4480.000	1.000	
Specific Conductance (µmhos/cm)	12/18/2009	E-2/40165	4573.000	1.000	F
Specific Conductance (µmhos/cm)	5/17/2010	E-2/40315	3970.000	1.000	
Specific Conductance (µmhos/cm)	5/17/2010	E-2/40315	5273.000	1.000	F
Specific Conductance (µmhos/cm)	12/ 9/2010	E-2/40521	4335.000	1.000	F
Specific Conductance (µmhos/cm)	12/ 9/2010	E-2/40521	4500.000	1.000	
Specific Conductance (µmhos/cm)	12/ 9/2010	E-2/40521	4500.000	1.000	
Specific Conductance (µmhos/cm)	5/26/2011	E-2/40689	4180.000	1.000	
Specific Conductance (µmhos/cm)	5/26/2011	E-2/40689	3486.000	1.000	F
Specific Conductance (µmhos/cm)	11/ 8/2011	E-2/40855	4095.000	1.000	F
Specific Conductance (µmhos/cm)	11/ 8/2011	E-2/40855	4480.000	1.000	
Specific Conductance (µmhos/cm)	5/17/2012	E-2/41046	4490.000	1.000	
Specific Conductance (µmhos/cm)	5/17/2012	E-2/41046	4373.000	1.000	F
Specific Conductance (µmhos/cm)	11/ 1/2012	E-2/41214	4730.000	1.000	
Specific Conductance (µmhos/cm)	11/ 1/2012	E-2/41214	4126.000	1.000	F
Temperature (deg C)	6/13/2000	E-2/36690	20.800	0.100	
Temperature (deg C)	6/13/2000	E-2/36690	19.400	0.100	
Temperature (deg C)	6/13/2000	E-2/36690	19.400	0.100	
Temperature (deg C)	2/14/2001	E-2/36936	17.900	0.100	
Temperature (deg C)	8/14/2001	E-2/37117	20.000	0.100	
Temperature (deg C)	1/30/2002	E-2/37286	18.000	0.100	
Temperature (deg C)	2/25/2002	E-2/37312	19.100	0.100	
Temperature (deg C)	8/ 6/2002	E-2/37474	20.000	0.100	
Temperature (deg C)	5/13/2003	E-2/37754	22.100	0.100	
Temperature (deg C)	11/12/2003	E-2/37937	17.700	0.100	
Temperature (deg C)	5/10/2004	E-2/38117	20.700	0.100	
Temperature (deg C)	11/10/2004	E-2/38301	20.300	0.100	
Temperature (deg C)	5/10/2005	E-2/38482	19.200	0.100	F
Temperature (deg C)	10/21/2005	E-2/38646	19.000	0.100	F
Temperature (deg C)	5/10/2006	E-2/38847	19.810	0.100	F
Temperature (deg C)	11/ 9/2006	E-2/39030	19.180	0.100	F
Temperature (deg C)	5/24/2007	E-2/39226	19.440	0.100	F
Temperature (deg C)	11/14/2007	E-2/39400	19.280	0.100	F
Temperature (deg C)	5/22/2008	E-2/39590	19.330	0.100	F
Temperature (deg C)	11/ 6/2008	E-2/39758	18.500	0.100	F
Temperature (deg C)	5/28/2009	E-2/39961	19.600	0.100	F
Temperature (deg C)	12/18/2009	E-2/40165	17.100	0.100	F
Temperature (deg C)	5/17/2010	E-2/40315	17.400	0.100	F
Temperature (deg C)	12/ 9/2010	E-2/40521	19.400	0.100	F
Temperature (deg C)	5/26/2011	E-2/40689	18.700	0.100	F
Temperature (deg C)	11/ 8/2011	E-2/40855	18.500	0.100	F
Temperature (deg C)	5/17/2012	E-2/41046	18.900	0.100	F
Temperature (deg C)	11/ 1/2012	E-2/41214	18.400	0.100	F
Turbidity (Invalid)	6/13/2000	E-2/36690	17.000	1.000	
Turbidity (Invalid)	6/13/2000	E-2/36690	5.000	1.000	
Turbidity (Invalid)	6/13/2000	E-2/36690	5.000	1.000	
Turbidity (Invalid)	2/14/2001	E-2/36936	0.000	1.000	

Historical Field and Routine Parameters for Class III Area Detection Monitoring Program Wells

Company: San Benito County **Data Group:** None
Site: John Smith Road Landfill **Date Range:** All thru 4q12
Program: SBC Groundwater **Permit:** WDR 2010-0021

Parameter (Unit)	Date	Sample ID	Result Value	Detection Limit	Code
Turbidity (Invalid)	8/14/2001	E-2/37117	5.000	1.000	
Turbidity (Invalid)	1/30/2002	E-2/37286	5.000	1.000	
Turbidity (Invalid)	2/25/2002	E-2/37312	2.000	1.000	
Turbidity (Invalid)	8/ 6/2002	E-2/37474	0.000	1.000	
Turbidity (Invalid)	5/13/2003	E-2/37754	0.000	1.000	
Turbidity (Invalid)	11/12/2003	E-2/37937	0.000	1.000	
Turbidity (Invalid)	5/10/2004	E-2/38117	10.000	1.000	
Turbidity (Invalid)	11/10/2004	E-2/38301	0.000	1.000	
Turbidity (Invalid)	5/10/2005	E-2/38482	61.000	1.000	F
Turbidity (Invalid)	10/21/2005	E-2/38646	0.000	1.000	F
Turbidity (Invalid)	5/10/2006	E-2/38847	0.000	1.000	F
Turbidity (Invalid)	11/ 9/2006	E-2/39030	0.000	1.000	F
Turbidity (Invalid)	5/24/2007	E-2/39226	6.400	1.000	F
Turbidity (Invalid)	11/14/2007	E-2/39400	2.900	1.000	F
Turbidity (Invalid)	5/22/2008	E-2/39590	3.900	1.000	F
Turbidity (Invalid)	11/ 6/2008	E-2/39758	18.000	1.000	F
Turbidity (Invalid)	5/28/2009	E-2/39961	7.000	1.000	F
Turbidity (Invalid)	12/18/2009	E-2/40165	35.000	1.000	F
Turbidity (Invalid)	5/17/2010	E-2/40315	58.000	1.000	F
Turbidity (Invalid)	12/ 9/2010	E-2/40521	13.000	1.000	F
Turbidity (Invalid)	5/26/2011	E-2/40689	7.000	0.100	F
Turbidity (Invalid)	11/ 8/2011	E-2/40855	5.000	0.100	F
Turbidity (Invalid)	5/17/2012	E-2/41046	8.000	0.100	F
Turbidity (Invalid)	11/ 1/2012	E-2/41214	6.000	0.100	F
Inorganic Parameters					
Chloride (mg/L)	4/ 1/1987	E-2/31868	330.000	0.000	
Chloride (mg/L)	4/18/1988	E-2/32251	340.000	0.000	
Chloride (mg/L)	9/28/1989	E-2/32779	330.000	0.000	
Chloride (mg/L)	12/14/1989	E-2/32856	350.000	0.000	
Chloride (mg/L)	3/14/1990	E-2/32946	290.000	0.000	
Chloride (mg/L)	6/12/1990	E-2/33036	340.000	0.000	
Chloride (mg/L)	9/18/1990	E-2/33134	340.000	0.000	
Chloride (mg/L)	9/18/1990	E-2/33134	330.000	0.000	
Chloride (mg/L)	9/ 1/1991	E-2/33482	310.000	0.000	
Chloride (mg/L)	9/14/1992	E-2/33861	310.000	0.000	
Chloride (mg/L)	6/13/2000	E-2/36690	319.000	100.000	
Chloride (mg/L)	5/24/2007	E-2/39226	340.000	0.180	
Chloride (mg/L)	11/14/2007	E-2/39400	320.000	0.180	L
Chloride (mg/L)	5/22/2008	E-2/39590	300.000	0.750	L
Chloride (mg/L)	11/ 6/2008	E-2/39758	340.000	0.380	L
Chloride (mg/L)	5/28/2009	E-2/39961	370.000	0.300	B,D,L
Chloride (mg/L)	12/18/2009	E-2/40165	360.000	0.300	L
Chloride (mg/L)	5/17/2010	E-2/40315	360.000	0.250	
Chloride (mg/L)	12/ 9/2010	E-2/40521d	330.000	0.250	L,D
Chloride (mg/L)	12/ 9/2010	E-2/40521	330.000	0.250	L
Chloride (mg/L)	12/ 9/2010	E-2/40521	330.000	0.250	B
Chloride (mg/L)	5/26/2011	E-2/40689	330.000	0.250	L
Chloride (mg/L)	11/ 8/2011	E-2/40855	340.000	0.330	L
Chloride (mg/L)	5/17/2012	E-2/41046	330.000	0.660	L
Chloride (mg/L)	11/ 1/2012	E-2/41214	340.000	0.330	L
Nitrate/Nitrite as N (mg/L)	9/28/1989	E-2/32779	<0.100	0.100	
Nitrate/Nitrite as N (mg/L)	12/14/1989	E-2/32856	<0.100	0.100	
Nitrate/Nitrite as N (mg/L)	3/14/1990	E-2/32946	<0.100	0.100	
Nitrate/Nitrite as N (mg/L)	6/12/1990	E-2/33036	<0.100	0.100	

Historical Field and Routine Parameters for Class III Area Detection Monitoring Program Wells

Company:	San Benito County	**Data Group:**	None
Site:	John Smith Road Landfill	**Date Range:**	All thru 4q12
Program:	SBC Groundwater	**Permit:**	WDR 2010-0021

Parameter (Unit)	Date	Sample ID	Result Value	Detection Limit	Code
Nitrate/Nitrite as N (mg/L)	9/18/1990	E-2/33134	<0.100	0.100	
Nitrate/Nitrite as N (mg/L)	5/24/2007	E-2/39226	<0.050	0.050	
Nitrate/Nitrite as N (mg/L)	11/14/2007	E-2/39400	<0.050	0.050	
Nitrate/Nitrite as N (mg/L)	5/22/2008	E-2/39590	<0.050	0.050	
Nitrate/Nitrite as N (mg/L)	11/ 6/2008	E-2/39758	<0.050	0.050	
Nitrate/Nitrite as N (mg/L)	5/28/2009	E-2/39961	<0.050	0.050	
Nitrate/Nitrite as N (mg/L)	12/18/2009	E-2/40165	0.027	0.010	J
Nitrate/Nitrite as N (mg/L)	5/17/2010	E-2/40315	0.041	0.010	
Nitrate/Nitrite as N (mg/L)	12/ 9/2010	E-2/40521	0.020	0.010	J
Nitrate/Nitrite as N (mg/L)	5/26/2011	E-2/40689	<0.010	0.010	
Nitrate/Nitrite as N (mg/L)	11/ 8/2011	E-2/40855	<0.010	0.010	L
Nitrate/Nitrite as N (mg/L)	5/17/2012	E-2/41046	<0.010	0.010	
Nitrate/Nitrite as N (mg/L)	11/ 1/2012	E-2/41214	<0.010	0.010	
Water Quality Indicator Parameters					
Bicarbonate Alkalinity (mg/L)	6/13/2000	E-2/36690	398.000	20.000	
Bicarbonate Alkalinity (mg/L)	5/10/2005	DUP-3/38482	400.000	0.850	
Bicarbonate Alkalinity (mg/L)	5/10/2005	E-2/38482	400.000	0.850	
Bicarbonate Alkalinity (mg/L)	5/24/2007	E-2/39226	420.000	10.000	
Bicarbonate Alkalinity (mg/L)	11/14/2007	E-2/39400	450.000	5.000	L
Bicarbonate Alkalinity (mg/L)	5/22/2008	E-2/39590	410.000	5.000	L
Bicarbonate Alkalinity (mg/L)	11/ 6/2008	E-2/39758	410.000	10.000	L
Bicarbonate Alkalinity (mg/L)	5/28/2009	E-2/39961	390.000	8.200	D
Bicarbonate Alkalinity (mg/L)	12/18/2009	E-2/40165	380.000	4.100	
Bicarbonate Alkalinity (mg/L)	5/17/2010	E-2/40315	370.000	8.200	
Bicarbonate Alkalinity (mg/L)	12/ 9/2010	E-2/40521	390.000	8.200	L
Bicarbonate Alkalinity (mg/L)	12/ 9/2010	E-2/40521d	380.000	8.200	D
Bicarbonate Alkalinity (mg/L)	5/26/2011	E-2/40689	370.000	8.200	L
Bicarbonate Alkalinity (mg/L)	11/ 8/2011	E-2/40855	390.000	8.200	L
Bicarbonate Alkalinity (mg/L)	5/17/2012	E-2/41046	380.000	8.200	
Bicarbonate Alkalinity (mg/L)	11/ 1/2012	E-2/41214	380.000	8.200	

WA-11

Field or Physical Parameters					
Dissolved Oxygen (mg/L)	9/ 1/1997	WA-11/35674	3.200	0.000	
Dissolved Oxygen (mg/L)	9/ 1/1998	WA-11/36039	4.100	0.000	
Dissolved Oxygen (mg/L)	3/15/2000	WA-11/36600	2.380	0.000	
Dissolved Oxygen (mg/L)	6/15/2000	WA-11/36692	1.750	0.010	
Dissolved Oxygen (mg/L)	6/15/2000	WA-11/36692	3.720	0.010	
Dissolved Oxygen (mg/L)	6/15/2000	WA-11/36692	3.720	0.010	
Dissolved Oxygen (mg/L)	2/15/2001	WA-11/36937	3.670	0.010	
Dissolved Oxygen (mg/L)	8/14/2001	WA-11/37117	4.130	0.010	
Dissolved Oxygen (mg/L)	1/30/2002	WA-11/37286	3.550	0.010	
Dissolved Oxygen (mg/L)	11/12/2002	WA-11/37572	4.900	0.010	
Dissolved Oxygen (mg/L)	5/13/2003	WA-11/37754	20.200	0.010	
Dissolved Oxygen (mg/L)	11/11/2003	WA-11/37936	2.730	0.010	
Dissolved Oxygen (mg/L)	5/12/2004	WA-11/38119	0.800	0.010	
Dissolved Oxygen (mg/L)	11/ 9/2004	WA-11/38300	3.920	0.010	
Dissolved Oxygen (mg/L)	5/23/2005	WA-11/38495	0.780	0.010	F
Dissolved Oxygen (mg/L)	10/12/2005	WA-11/38637	0.360	0.010	F
Dissolved Oxygen (mg/L)	5/10/2006	WA-11/38847	0.480	0.010	F
Dissolved Oxygen (mg/L)	11/14/2006	WA-11/39035	0.790	0.010	F
Dissolved Oxygen (mg/L)	5/25/2007	WA-11/39227	2.500	0.010	F
Dissolved Oxygen (mg/L)	11/15/2007	WA-11/39401	1.500	0.010	F
Dissolved Oxygen (mg/L)	5/23/2008	WA-11/39591	2.000	0.010	F

Historical Field and Routine Parameters for Class III Area Detection Monitoring Program Wells

Company: San Benito County **Data Group:** None
Site: John Smith Road Landfill **Date Range:** All thru 4q12
Program: SBC Groundwater **Permit:** WDR 2010-0021

Parameter (Unit)	Date	Sample ID	Result Value	Detection Limit	Code
Dissolved Oxygen (mg/L)	11/ 5/2008	WA-11/39757	2.420	0.010	F
Dissolved Oxygen (mg/L)	5/28/2009	WA-11/39961	1.400	0.010	F
Dissolved Oxygen (mg/L)	12/15/2009	WA-11/40162	2.380	0.010	F
Dissolved Oxygen (mg/L)	5/20/2010	WA-11/40318	2.210	0.010	F
Dissolved Oxygen (mg/L)	12/ 7/2010	WA-11/40519	2.730	0.010	F
Dissolved Oxygen (mg/L)	5/25/2011	WA-11/40688	4.200	0.010	F
Dissolved Oxygen (mg/L)	11/ 9/2011	WA-11/40856	3.200	0.010	F
Dissolved Oxygen (mg/L)	5/18/2012	WA-11/41047	4.000	0.010	F
Dissolved Oxygen (mg/L)	11/ 2/2012	WA-11/41215	2.400	0.010	F
ORP (mV)	5/10/2006	WA-11/38847	-19.100	1.000	F
ORP (mV)	5/25/2007	WA-11/39227	67.000	1.000	F
ORP (mV)	11/15/2007	WA-11/39401	-25.000	1.000	F
ORP (mV)	5/23/2008	WA-11/39591	71.000	0.010	F
ORP (mV)	6/27/2008	/A-11/39626rete	103.000	0.010	F
ORP (mV)	11/ 5/2008	WA-11/39757	-28.000	0.010	F
ORP (mV)	5/28/2009	WA-11/39961	30.000	0.010	F
ORP (mV)	12/15/2009	WA-11/40162	-24.000	0.010	F
ORP (mV)	5/20/2010	WA-11/40318	-20.000	0.010	F
ORP (mV)	12/ 7/2010	WA-11/40519	-46.700	0.010	F
ORP (mV)	5/25/2011	WA-11/40688	62.300	0.010	F
ORP (mV)	11/ 9/2011	WA-11/40856	-10.200	0.010	F
ORP (mV)	5/18/2012	WA-11/41047	-16.500	0.010	F
ORP (mV)	11/ 2/2012	WA-11/41215	43.000	0.010	F
pH (s.u.)	3/ 1/1989	WA-11/32568	7.120	0.000	
pH (s.u.)	5/ 1/1989	WA-11/32629	6.800	0.000	
pH (s.u.)	8/ 1/1989	WA-11/32721	6.740	0.000	
pH (s.u.)	11/ 7/1989	WA-11/32819	6.880	0.000	
pH (s.u.)	9/ 1/1997	WA-11/35674	7.000	0.000	
pH (s.u.)	9/ 1/1998	WA-11/36039	7.300	0.000	
pH (s.u.)	9/14/1999	WA-11/36417	7.300	0.000	
pH (s.u.)	3/15/2000	WA-11/36600	7.250	0.000	
pH (s.u.)	6/15/2000	WA-11/36692	6.950	0.010	
pH (s.u.)	6/15/2000	WA-11/36692	6.940	0.010	
pH (s.u.)	6/15/2000	WA-11/36692	6.940	0.010	
pH (s.u.)	8/29/2000	WA-11/36767	7.260	2.000	
pH (s.u.)	2/15/2001	WA-11/36937	7.390	1.000	
pH (s.u.)	2/15/2001	WA-11/36937	7.010	0.010	
pH (s.u.)	8/15/2001	WA-11/37118	7.350	2.000	P
pH (s.u.)	1/30/2002	WA-11/37286	7.180	2.000	D
pH (s.u.)	1/30/2002	WA-11/37286	7.150	2.000	
pH (s.u.)	1/30/2002	WA-11/37286	7.320	0.010	F
pH (s.u.)	11/12/2002	WA-11/37572	7.270	2.000	
pH (s.u.)	11/12/2002	WA-11/37572	7.180	0.010	F
pH (s.u.)	5/13/2003	WA-11/37754	7.960	2.000	
pH (s.u.)	5/13/2003	WA-11/37754	7.020	0.010	F
pH (s.u.)	11/11/2003	WA-11/37936	6.950	2.000	D
pH (s.u.)	11/11/2003	WA-11/37936	6.940	2.000	
pH (s.u.)	11/11/2003	WA-11/37936	6.840	0.010	F
pH (s.u.)	5/12/2004	WA-11/38119	7.810	2.000	
pH (s.u.)	5/12/2004	WA-11/38119	7.020	0.010	F
pH (s.u.)	11/ 9/2004	WA-11/38300	6.930	0.010	F
pH (s.u.)	11/ 9/2004	WA-11/38300	7.480	2.000	
pH (s.u.)	5/23/2005	WA-11/38495	7.040	0.010	F
pH (s.u.)	10/12/2005	WA-11/38637	7.150	0.010	F

Historical Field and Routine Parameters for Class III Area Detection Monitoring Program Wells

Company: San Benito County **Data Group:** None
Site: John Smith Road Landfill **Date Range:** All thru 4q12
Program: SBC Groundwater **Permit:** WDR 2010-0021

Parameter (Unit)	Date	Sample ID	Result Value	Detection Limit	Code
pH (s.u.)	10/12/2005	WA-11/38637	7.100	0.000	
pH (s.u.)	5/10/2006	WA-11/38847	7.100	0.010	
pH (s.u.)	5/10/2006	WA-11/38847	6.930	0.010	F
pH (s.u.)	11/14/2006	WA-11/39035	6.980	0.010	F
pH (s.u.)	11/14/2006	WA-11/39035	7.230	1.000	
pH (s.u.)	5/25/2007	WA-11/39227	7.030	0.010	F
pH (s.u.)	5/25/2007	WA-11/39227	7.380	0.050	
pH (s.u.)	11/15/2007	WA-11/39401	7.040	0.010	F
pH (s.u.)	11/15/2007	WA-11/39401	7.310	0.050	
pH (s.u.)	5/23/2008	WA-11/39591	6.960	0.010	F
pH (s.u.)	5/23/2008	WA-11/39591	7.200	0.050	
pH (s.u.)	6/27/2008	/A-11/39626rete	6.640	0.010	F
pH (s.u.)	11/ 5/2008	WA-11/39757	7.570	0.010	F
pH (s.u.)	11/ 5/2008	WA-11/39757	7.400	0.050	
pH (s.u.)	5/26/2009	WA-11/39959	7.870	0.050	
pH (s.u.)	5/28/2009	WA-11/39961	6.840	0.010	F
pH (s.u.)	12/15/2009	WA-11/40162	7.640	0.010	F
pH (s.u.)	12/15/2009	WA-11/40162	7.260	0.050	
pH (s.u.)	5/20/2010	WA-11/40318	7.650	0.010	F
pH (s.u.)	5/20/2010	WA-11/40318	7.270	0.050	
pH (s.u.)	12/ 7/2010	WA-11/40519	7.200	0.010	F
pH (s.u.)	12/ 7/2010	WA-11/40519	7.440	0.050	
pH (s.u.)	5/25/2011	WA-11/40688	7.440	0.010	F
pH (s.u.)	5/25/2011	WA-11/40688	7.310	0.050	
pH (s.u.)	11/ 9/2011	WA-11/40856	7.090	0.010	F
pH (s.u.)	11/ 9/2011	WA-11/40856	7.250	0.050	
pH (s.u.)	5/18/2012	WA-11/41047	7.210	0.010	F
pH (s.u.)	5/18/2012	WA-11/41047	7.260	0.050	
pH (s.u.)	11/ 2/2012	WA-11/41215	7.260	0.010	F
pH (s.u.)	11/ 2/2012	WA-11/41215	7.240	0.050	
Specific Conductance (µmhos/cm)	3/ 1/1989	WA-11/32568	4800.000	0.000	
Specific Conductance (µmhos/cm)	5/ 1/1989	WA-11/32629	500.000	0.000	
Specific Conductance (µmhos/cm)	8/ 1/1989	WA-11/32721	5000.000	0.000	
Specific Conductance (µmhos/cm)	11/ 7/1989	WA-11/32819	4900.000	0.000	
Specific Conductance (µmhos/cm)	9/ 1/1997	WA-11/35674	5200.000	0.000	
Specific Conductance (µmhos/cm)	9/ 1/1998	WA-11/36039	4500.000	0.000	
Specific Conductance (µmhos/cm)	9/14/1999	WA-11/36417	2330.000	0.000	
Specific Conductance (µmhos/cm)	3/15/2000	WA-11/36600	3020.000	0.000	
Specific Conductance (µmhos/cm)	6/15/2000	WA-11/36692	3530.000	1.000	
Specific Conductance (µmhos/cm)	6/15/2000	WA-11/36692	4380.000	1.000	
Specific Conductance (µmhos/cm)	6/15/2000	WA-11/36692	4380.000	1.000	
Specific Conductance (µmhos/cm)	8/29/2000	WA-11/36767	3760.000	1.000	
Specific Conductance (µmhos/cm)	2/15/2001	WA-11/36937	4680.000	1.000	
Specific Conductance (µmhos/cm)	2/15/2001	WA-11/36937	5700.000	1.000	
Specific Conductance (µmhos/cm)	8/15/2001	WA-11/37118	6000.000	1.000	
Specific Conductance (µmhos/cm)	1/30/2002	WA-11/37286	4100.000	1.000	D
Specific Conductance (µmhos/cm)	1/30/2002	WA-11/37286	4200.000	1.000	
Specific Conductance (µmhos/cm)	1/30/2002	WA-11/37286	4460.000	1.000	F
Specific Conductance (µmhos/cm)	11/12/2002	WA-11/37572	3900.000	1.000	
Specific Conductance (µmhos/cm)	11/12/2002	WA-11/37572	4090.000	1.000	F
Specific Conductance (µmhos/cm)	5/13/2003	WA-11/37754	4400.000	1.000	
Specific Conductance (µmhos/cm)	5/13/2003	WA-11/37754	4830.000	1.000	F
Specific Conductance (µmhos/cm)	11/11/2003	WA-11/37936	4700.000	1.000	D
Specific Conductance (µmhos/cm)	11/11/2003	WA-11/37936	4800.000	1.000	

Historical Field and Routine Parameters for Class III Area Detection Monitoring Program Wells

Company: San Benito County **Data Group:** None
Site: John Smith Road Landfill **Date Range:** All thru 4q12
Program: SBC Groundwater **Permit:** WDR 2010-0021

Parameter (Unit)	Date	Sample ID	Result Value	Detection Limit	Code
Specific Conductance (µmhos/cm)	11/11/2003	WA-11/37936	5610.000	1.000	F
Specific Conductance (µmhos/cm)	5/12/2004	WA-11/38119	6500.000	1.000	
Specific Conductance (µmhos/cm)	5/12/2004	WA-11/38119	5850.000	1.000	F
Specific Conductance (µmhos/cm)	11/ 9/2004	WA-11/38300	5460.000	1.000	F
Specific Conductance (µmhos/cm)	11/ 9/2004	WA-11/38300	4400.000	1.000	
Specific Conductance (µmhos/cm)	5/23/2005	WA-11/38495	4700.000	0.000	
Specific Conductance (µmhos/cm)	5/23/2005	WA-11/38495	5990.000	1.000	F
Specific Conductance (µmhos/cm)	10/12/2005	WA-11/38637	6640.000	1.000	F
Specific Conductance (µmhos/cm)	10/12/2005	WA-11/38637	6200.000	0.000	
Specific Conductance (µmhos/cm)	5/10/2006	WA-11/38847	6500.000	1.000	
Specific Conductance (µmhos/cm)	5/10/2006	WA-11/38847	6950.000	1.000	F
Specific Conductance (µmhos/cm)	11/14/2006	WA-11/39035	6880.000	1.000	F
Specific Conductance (µmhos/cm)	11/14/2006	WA-11/39035	6500.000	1.000	
Specific Conductance (µmhos/cm)	5/25/2007	WA-11/39227	6425.000	1.000	F
Specific Conductance (µmhos/cm)	5/25/2007	WA-11/39227	6250.000	1.000	
Specific Conductance (µmhos/cm)	11/15/2007	WA-11/39401	6071.000	1.000	F
Specific Conductance (µmhos/cm)	11/15/2007	WA-11/39401	6040.000	1.000	
Specific Conductance (µmhos/cm)	5/23/2008	WA-11/39591	5664.000	1.000	F
Specific Conductance (µmhos/cm)	5/23/2008	WA-11/39591	6000.000	1.000	
Specific Conductance (µmhos/cm)	6/27/2008	/A-11/39626rete	6385.000	1.000	F
Specific Conductance (µmhos/cm)	11/ 5/2008	WA-11/39757	5980.000	1.000	F
Specific Conductance (µmhos/cm)	11/ 5/2008	WA-11/39757	5900.000	1.000	
Specific Conductance (µmhos/cm)	5/26/2009	WA-11/39959	5780.000	1.000	
Specific Conductance (µmhos/cm)	5/28/2009	WA-11/39961	5990.000	1.000	F
Specific Conductance (µmhos/cm)	12/15/2009	WA-11/40162	5595.000	1.000	F
Specific Conductance (µmhos/cm)	12/15/2009	WA-11/40162	5740.000	1.000	
Specific Conductance (µmhos/cm)	5/20/2010	WA-11/40318	5620.000	1.000	
Specific Conductance (µmhos/cm)	5/20/2010	WA-11/40318	5907.000	1.000	F
Specific Conductance (µmhos/cm)	12/ 7/2010	WA-11/40519	5940.000	1.000	
Specific Conductance (µmhos/cm)	12/ 7/2010	WA-11/40519	5923.000	1.000	F
Specific Conductance (µmhos/cm)	5/25/2011	WA-11/40688	5930.000	1.000	
Specific Conductance (µmhos/cm)	5/25/2011	WA-11/40688	4572.000	1.000	F
Specific Conductance (µmhos/cm)	11/ 9/2011	WA-11/40856	5727.000	1.000	F
Specific Conductance (µmhos/cm)	11/ 9/2011	WA-11/40856	5920.000	1.000	
Specific Conductance (µmhos/cm)	5/18/2012	WA-11/41047	6080.000	1.000	
Specific Conductance (µmhos/cm)	5/18/2012	WA-11/41047	5992.000	1.000	F
Specific Conductance (µmhos/cm)	11/ 2/2012	WA-11/41215	5980.000	1.000	
Specific Conductance (µmhos/cm)	11/ 2/2012	WA-11/41215	5763.000	1.000	F
Temperature (deg C)	6/15/2000	WA-11/36692	17.200	0.100	
Temperature (deg C)	6/15/2000	WA-11/36692	17.400	0.100	
Temperature (deg C)	6/15/2000	WA-11/36692	17.400	0.100	
Temperature (deg C)	2/15/2001	WA-11/36937	16.700	0.100	
Temperature (deg C)	8/14/2001	WA-11/37117	18.600	0.100	
Temperature (deg C)	1/30/2002	WA-11/37286	16.600	0.100	
Temperature (deg C)	11/12/2002	WA-11/37572	18.900	0.100	
Temperature (deg C)	5/13/2003	WA-11/37754	17.300	0.100	
Temperature (deg C)	11/11/2003	WA-11/37936	22.700	0.100	
Temperature (deg C)	5/12/2004	WA-11/38119	19.700	0.100	
Temperature (deg C)	11/ 9/2004	WA-11/38300	18.100	0.100	
Temperature (deg C)	5/23/2005	WA-11/38495	19.100	0.100	F
Temperature (deg C)	10/12/2005	WA-11/38637	18.000	0.100	F
Temperature (deg C)	5/10/2006	WA-11/38847	17.840	0.100	F
Temperature (deg C)	11/14/2006	WA-11/39035	17.100	0.100	F
Temperature (deg C)	5/25/2007	WA-11/39227	16.820	0.100	F

Historical Field and Routine Parameters for Class III Area Detection Monitoring Program Wells

Company:	San Benito County	**Data Group:**	None
Site:	John Smith Road Landfill	**Date Range:**	All thru 4q12
Program:	SBC Groundwater	**Permit:**	WDR 2010-0021

Parameter (Unit)	Date	Sample ID	Result Value	Detection Limit	Code
Temperature (deg C)	11/15/2007	WA-11/39401	18.600	0.100	F
Temperature (deg C)	5/23/2008	WA-11/39591	16.540	0.100	F
Temperature (deg C)	6/27/2008	/A-11/39626rete	18.300	0.100	F
Temperature (deg C)	11/ 5/2008	WA-11/39757	17.700	0.100	F
Temperature (deg C)	5/28/2009	WA-11/39961	18.400	0.100	F
Temperature (deg C)	12/15/2009	WA-11/40162	15.500	0.100	F
Temperature (deg C)	5/20/2010	WA-11/40318	19.100	0.100	F
Temperature (deg C)	12/ 7/2010	WA-11/40519	18.900	0.100	F
Temperature (deg C)	5/25/2011	WA-11/40688	16.400	0.100	F
Temperature (deg C)	11/ 9/2011	WA-11/40856	18.400	0.100	F
Temperature (deg C)	5/18/2012	WA-11/41047	16.800	0.100	F
Temperature (deg C)	11/ 2/2012	WA-11/41215	18.200	0.100	F
Turbidity (Invalid)	6/15/2000	WA-11/36692	152.000	1.000	
Turbidity (Invalid)	6/15/2000	WA-11/36692	565.000	1.000	
Turbidity (Invalid)	6/15/2000	WA-11/36692	565.000	1.000	
Turbidity (Invalid)	2/15/2001	WA-11/36937	151.000	1.000	
Turbidity (Invalid)	8/14/2001	WA-11/37117	84.000	1.000	
Turbidity (Invalid)	1/30/2002	WA-11/37286	266.000	1.000	
Turbidity (Invalid)	11/12/2002	WA-11/37572	102.000	1.000	
Turbidity (Invalid)	5/13/2003	WA-11/37754	3.000	1.000	
Turbidity (Invalid)	11/11/2003	WA-11/37936	8.000	1.000	
Turbidity (Invalid)	5/12/2004	WA-11/38119	15.000	1.000	
Turbidity (Invalid)	11/ 9/2004	WA-11/38300	10.000	1.000	
Turbidity (Invalid)	5/23/2005	WA-11/38495	32.000	1.000	F
Turbidity (Invalid)	10/12/2005	WA-11/38637	59.000	1.000	F
Turbidity (Invalid)	5/10/2006	WA-11/38847	2.500	1.000	F
Turbidity (Invalid)	11/14/2006	WA-11/39035	58.000	1.000	F
Turbidity (Invalid)	5/25/2007	WA-11/39227	13.300	1.000	F
Turbidity (Invalid)	11/15/2007	WA-11/39401	23.000	1.000	F
Turbidity (Invalid)	5/23/2008	WA-11/39591	4.200	1.000	F
Turbidity (Invalid)	11/ 5/2008	WA-11/39757	25.000	1.000	F
Turbidity (Invalid)	5/28/2009	WA-11/39961	28.000	1.000	F
Turbidity (Invalid)	12/15/2009	WA-11/40162	19.000	1.000	F
Turbidity (Invalid)	5/20/2010	WA-11/40318	10.000	1.000	F
Turbidity (Invalid)	5/25/2011	WA-11/40688	8.000	0.100	F
Turbidity (Invalid)	11/ 9/2011	WA-11/40856	8.000	0.100	F
Turbidity (Invalid)	5/18/2012	WA-11/41047	10.000	0.100	F
Turbidity (Invalid)	11/ 2/2012	WA-11/41215	8.000	0.100	F
Inorganic Parameters					
Chloride (mg/L)	3/ 1/1989	WA-11/32568	800.000	0.000	
Chloride (mg/L)	5/ 1/1989	WA-11/32629	1000.000	0.000	
Chloride (mg/L)	8/ 1/1989	WA-11/32721	1100.000	0.000	
Chloride (mg/L)	11/ 7/1989	WA-11/32819	1100.000	0.000	
Chloride (mg/L)	9/ 1/1996	WA-11/35309	956.000	0.000	
Chloride (mg/L)	3/ 1/1997	WA-11/35490	1480.000	0.000	
Chloride (mg/L)	9/ 1/1997	WA-11/35674	860.000	0.000	
Chloride (mg/L)	9/ 1/1998	WA-11/36039	400.000	0.000	
Chloride (mg/L)	9/14/1999	WA-11/36417	335.000	0.000	
Chloride (mg/L)	3/15/2000	WA-11/36600	349.000	0.000	
Chloride (mg/L)	8/29/2000	WA-11/36767	419.000	1.770	
Chloride (mg/L)	2/15/2001	WA-11/36937	520.000	50.000	
Chloride (mg/L)	8/15/2001	WA-11/37118	630.000	50.000	
Chloride (mg/L)	1/30/2002	WA-11/37286	440.000	20.000	D
Chloride (mg/L)	1/30/2002	WA-11/37286	450.000	20.000	

Historical Field and Routine Parameters for Class III Area Detection Monitoring Program Wells

Company: San Benito County **Data Group:** None
Site: John Smith Road Landfill **Date Range:** All thru 4q12
Program: SBC Groundwater **Permit:** WDR 2010-0021

Parameter (Unit)	Date	Sample ID	Result Value	Detection Limit	Code
Chloride (mg/L)	11/12/2002	WA-11/37572	380.000	10.000	
Chloride (mg/L)	5/13/2003	WA-11/37754	440.000	100.000	
Chloride (mg/L)	11/11/2003	WA-11/37936	460.000	100.000	D
Chloride (mg/L)	11/11/2003	WA-11/37936	480.000	100.000	
Chloride (mg/L)	5/12/2004	WA-11/38119	540.000	50.000	
Chloride (mg/L)	11/ 9/2004	WA-11/38300	500.000	10.000	
Chloride (mg/L)	5/23/2005	WA-11/38495	500.000	5.000	
Chloride (mg/L)	10/12/2005	WA-11/38637	690.000	2.000	L
Chloride (mg/L)	5/10/2006	WA-11/38847	720.000	5.100	L
Chloride (mg/L)	11/14/2006	WA-11/39035	730.000	7.200	
Chloride (mg/L)	5/25/2007	WA-11/39227	740.000	0.180	
Chloride (mg/L)	11/15/2007	WA-11/39401	690.000	0.180	L
Chloride (mg/L)	5/23/2008	WA-11/39591	670.000	0.380	L
Chloride (mg/L)	11/ 5/2008	WA-11/39757	640.000	0.380	L
Chloride (mg/L)	5/26/2009	WA-11/39959	290.000	0.300	
Chloride (mg/L)	12/15/2009	WA-11/40162	620.000	0.300	L
Chloride (mg/L)	5/20/2010	WA-11/40318	660.000	0.250	
Chloride (mg/L)	12/ 7/2010	WA-11/40519	600.000	0.250	L
Chloride (mg/L)	5/25/2011	WA-11/40688	600.000	0.500	B,L
Chloride (mg/L)	11/ 9/2011	WA-11/40856	620.000	0.660	L
Chloride (mg/L)	5/18/2012	WA-11/41047	650.000	0.660	L
Chloride (mg/L)	11/ 2/2012	WA-11/41215	630.000	0.660	L
Nitrate/Nitrite as N (mg/L)	3/ 1/1989	WA-11/32568	4.300	1.000	
Nitrate/Nitrite as N (mg/L)	5/ 1/1989	WA-11/32629	84.000	1.000	
Nitrate/Nitrite as N (mg/L)	8/ 1/1989	WA-11/32721	23.000	1.000	
Nitrate/Nitrite as N (mg/L)	11/ 7/1989	WA-11/32819	4.700	1.000	
Nitrate/Nitrite as N (mg/L)	9/ 1/1996	WA-11/35309	17.900	1.000	
Nitrate/Nitrite as N (mg/L)	3/ 1/1997	WA-11/35490	15.100	1.000	
Nitrate/Nitrite as N (mg/L)	9/ 1/1997	WA-11/35674	16.000	1.000	
Nitrate/Nitrite as N (mg/L)	9/ 1/1998	WA-11/36039	14.000	1.000	
Nitrate/Nitrite as N (mg/L)	9/14/1999	WA-11/36417	11.100	0.000	
Nitrate/Nitrite as N (mg/L)	3/15/2000	WA-11/36600	13.500	0.000	
Nitrate/Nitrite as N (mg/L)	8/29/2000	WA-11/36767	12.500	0.100	
Nitrate/Nitrite as N (mg/L)	2/15/2001	WA-11/36937	10.400	0.100	
Nitrate/Nitrite as N (mg/L)	8/15/2001	WA-11/37118	18.000	0.250	
Nitrate/Nitrite as N (mg/L)	1/30/2002	WA-11/37286	16.000	0.250	D
Nitrate/Nitrite as N (mg/L)	1/30/2002	WA-11/37286	17.000	0.250	
Nitrate/Nitrite as N (mg/L)	11/12/2002	WA-11/37572	11.000	0.250	
Nitrate/Nitrite as N (mg/L)	5/13/2003	WA-11/37754	14.000	0.250	
Nitrate/Nitrite as N (mg/L)	11/11/2003	WA-11/37936	8.900	0.250	D
Nitrate/Nitrite as N (mg/L)	11/11/2003	WA-11/37936	8.900	0.250	
Nitrate/Nitrite as N (mg/L)	5/12/2004	WA-11/38119	14.000	0.250	
Nitrate/Nitrite as N (mg/L)	11/ 9/2004	WA-11/38300	<0.050	0.050	
Nitrate/Nitrite as N (mg/L)	5/23/2005	WA-11/38495	13.000	0.160	
Nitrate/Nitrite as N (mg/L)	10/12/2005	WA-11/38637	13.000	0.160	L
Nitrate/Nitrite as N (mg/L)	5/10/2006	WA-11/38847	12.000	0.096	L
Nitrate/Nitrite as N (mg/L)	11/14/2006	WA-11/39035	15.000	0.500	
Nitrate/Nitrite as N (mg/L)	5/25/2007	WA-11/39227	15.000	0.500	
Nitrate/Nitrite as N (mg/L)	11/15/2007	WA-11/39401	13.000	0.250	L
Nitrate/Nitrite as N (mg/L)	5/23/2008	WA-11/39591	11.000	0.250	L
Nitrate/Nitrite as N (mg/L)	11/ 5/2008	WA-11/39757	8.600	0.250	L
Nitrate/Nitrite as N (mg/L)	5/26/2009	WA-11/39959	9.100	0.250	
Nitrate/Nitrite as N (mg/L)	12/15/2009	WA-11/40162	6.500	0.050	L
Nitrate/Nitrite as N (mg/L)	5/20/2010	WA-11/40318	8.100	0.050	

Historical Field and Routine Parameters for Class III Area Detection Monitoring Program Wells

Company: San Benito County **Data Group:** None
Site: John Smith Road Landfill **Date Range:** All thru 4q12
Program: SBC Groundwater **Permit:** WDR 2010-0021

Parameter (Unit)	Date	Sample ID	Result Value	Detection Limit	Code
Nitrate/Nitrite as N (mg/L)	12/ 7/2010	WA-11/40519	8.900	0.050	L
Nitrate/Nitrite as N (mg/L)	5/25/2011	WA-11/40688	14.000	0.050	L
Nitrate/Nitrite as N (mg/L)	11/ 9/2011	WA-11/40856	13.000	0.050	L
Nitrate/Nitrite as N (mg/L)	5/18/2012	WA-11/41047	9.500	0.050	L
Nitrate/Nitrite as N (mg/L)	11/ 2/2012	WA-11/41215	7.000	0.050	L
Water Quality Indicator Parameters					
Bicarbonate Alkalinity (mg/L)	3/ 1/1989	WA-11/32568	964.000	0.000	
Bicarbonate Alkalinity (mg/L)	5/ 1/1989	WA-11/32629	830.000	0.000	
Bicarbonate Alkalinity (mg/L)	8/ 1/1989	WA-11/32721	854.000	0.000	
Bicarbonate Alkalinity (mg/L)	11/ 7/1989	WA-11/32819	410.000	0.000	
Bicarbonate Alkalinity (mg/L)	5/25/2007	WA-11/39227	660.000	20.000	
Bicarbonate Alkalinity (mg/L)	11/15/2007	WA-11/39401	650.000	10.000	L
Bicarbonate Alkalinity (mg/L)	5/23/2008	WA-11/39591	660.000	10.000	L
Bicarbonate Alkalinity (mg/L)	11/ 5/2008	WA-11/39757	650.000	10.000	L
Bicarbonate Alkalinity (mg/L)	5/26/2009	WA-11/39959	610.000	8.200	
Bicarbonate Alkalinity (mg/L)	12/15/2009	WA-11/40162	620.000	4.100	
Bicarbonate Alkalinity (mg/L)	5/20/2010	WA-11/40318	590.000	8.200	
Bicarbonate Alkalinity (mg/L)	12/ 7/2010	WA-11/40519	610.000	8.200	L
Bicarbonate Alkalinity (mg/L)	5/25/2011	WA-11/40688	580.000	8.200	L
Bicarbonate Alkalinity (mg/L)	11/ 9/2011	WA-11/40856	600.000	8.200	L
Bicarbonate Alkalinity (mg/L)	5/18/2012	WA-11/41047	570.000	8.200	
Bicarbonate Alkalinity (mg/L)	11/ 2/2012	WA-11/41215	610.000	8.200	
WA-15					
Field or Physical Parameters					
Dissolved Oxygen (mg/L)	9/ 1/1995	WA-15/34943	1.500	0.000	
Dissolved Oxygen (mg/L)	3/ 1/1996	WA-15/35125	2.010	0.000	
Dissolved Oxygen (mg/L)	3/ 1/1997	WA-15/35490	7.600	0.000	
Dissolved Oxygen (mg/L)	9/ 1/1997	WA-15/35674	2.600	0.000	
Dissolved Oxygen (mg/L)	9/ 1/1998	WA-15/36039	4.500	0.000	
Dissolved Oxygen (mg/L)	3/ 1/1999	WA-15/36220	2.800	0.000	
Dissolved Oxygen (mg/L)	3/15/2000	WA-15/36600	4.900	0.000	
Dissolved Oxygen (mg/L)	6/16/2000	WA-15/36693	7.210	0.010	
Dissolved Oxygen (mg/L)	6/16/2000	WA-15/36693	6.020	0.010	
Dissolved Oxygen (mg/L)	6/16/2000	WA-15/36693	6.020	0.010	
Dissolved Oxygen (mg/L)	2/16/2001	WA-15/36938	2.870	0.010	
Dissolved Oxygen (mg/L)	8/16/2001	WA-15/37119	6.980	0.010	
Dissolved Oxygen (mg/L)	1/31/2002	WA-15/37287	3.130	0.010	
Dissolved Oxygen (mg/L)	11/13/2002	WA-15/37573	3.510	0.010	
Dissolved Oxygen (mg/L)	5/13/2003	WA-15/37754	-0.210	0.010	
Dissolved Oxygen (mg/L)	11/11/2003	WA-15/37936	1.310	0.010	
Dissolved Oxygen (mg/L)	5/12/2004	WA-15/38119	0.000	0.010	
Dissolved Oxygen (mg/L)	11/ 9/2004	WA-15/38300	3.410	0.010	
Dissolved Oxygen (mg/L)	5/17/2005	WA-15/38489	0.000	0.010	F
Dissolved Oxygen (mg/L)	10/12/2005	WA-15/38637	0.330	0.010	F
Dissolved Oxygen (mg/L)	5/ 9/2006	WA-15/38846	0.060	0.010	F
Dissolved Oxygen (mg/L)	11/14/2006	WA-15/39035	0.860	0.010	F
Dissolved Oxygen (mg/L)	5/25/2007	WA-15/39227	1.000	0.010	F
Dissolved Oxygen (mg/L)	11/15/2007	WA-15/39401	0.500	0.010	F
Dissolved Oxygen (mg/L)	5/23/2008	WA-15/39591	0.700	0.010	F
Dissolved Oxygen (mg/L)	11/ 5/2008	WA-15/39757	0.070	0.010	F
Dissolved Oxygen (mg/L)	5/28/2009	WA-15/39961	4.780	0.010	F
Dissolved Oxygen (mg/L)	12/15/2009	WA-15/40162	0.300	0.010	F
Dissolved Oxygen (mg/L)	5/18/2010	WA-15/40316	2.850	0.010	F

Historical Field and Routine Parameters for Class III Area Detection Monitoring Program Wells

Company: San Benito County **Data Group:** None
Site: John Smith Road Landfill **Date Range:** All thru 4q12
Program: SBC Groundwater **Permit:** WDR 2010-0021

Parameter (Unit)	Date	Sample ID	Result Value	Detection Limit	Code
Dissolved Oxygen (mg/L)	12/ 7/2010	WA-15/40519	1.500	0.010	F
Dissolved Oxygen (mg/L)	5/25/2011	WA-15/40688	1.000	0.010	F
Dissolved Oxygen (mg/L)	11/ 9/2011	WA-15/40856	1.400	0.010	F
Dissolved Oxygen (mg/L)	5/18/2012	WA-15/41047	0.900	0.010	F
Dissolved Oxygen (mg/L)	11/ 2/2012	WA-15/41215	1.800	0.010	F
ORP (mV)	5/12/2006	WA-15/38849	-172.300	1.000	F
ORP (mV)	5/25/2007	WA-15/39227	-202.700	1.000	F
ORP (mV)	11/15/2007	WA-15/39401	-236.000	1.000	F
ORP (mV)	5/23/2008	WA-15/39591	-196.000	0.010	F
ORP (mV)	11/ 5/2008	WA-15/39757	-197.000	0.010	F
ORP (mV)	5/28/2009	WA-15/39961	-146.000	0.010	F
ORP (mV)	12/15/2009	WA-15/40162	-204.000	0.010	F
ORP (mV)	5/18/2010	WA-15/40316	-73.000	0.010	F
ORP (mV)	12/ 7/2010	WA-15/40519	-92.900	0.010	F
ORP (mV)	11/ 9/2011	WA-15/40856	-101.400	0.010	F
ORP (mV)	5/18/2012	WA-15/41047	-99.600	0.010	F
ORP (mV)	11/ 2/2012	WA-15/41215	-18.000	0.010	F
pH (s.u.)	11/25/1991	WA-15/33567	7.050	0.000	
pH (s.u.)	3/ 1/1994	WA-15/34394	7.400	0.000	
pH (s.u.)	9/ 1/1994	WA-15/34578	6.730	0.000	
pH (s.u.)	3/ 1/1995	WA-15/34759	7.430	0.000	
pH (s.u.)	9/ 1/1995	WA-15/34943	6.990	0.000	
pH (s.u.)	3/ 1/1996	WA-15/35125	7.190	0.000	
pH (s.u.)	9/ 1/1996	WA-15/35309	6.960	0.000	
pH (s.u.)	3/ 1/1997	WA-15/35490	7.250	0.000	
pH (s.u.)	9/ 1/1997	WA-15/35674	7.300	0.000	
pH (s.u.)	9/ 1/1998	WA-15/36039	7.500	0.000	
pH (s.u.)	3/ 1/1999	WA-15/36220	7.500	0.000	
pH (s.u.)	9/14/1999	WA-15/36417	7.390	0.000	
pH (s.u.)	3/15/2000	WA-15/36600	7.200	0.000	
pH (s.u.)	6/16/2000	WA-15/36693	7.050	0.010	
pH (s.u.)	6/16/2000	WA-15/36693	7.170	0.010	
pH (s.u.)	6/16/2000	WA-15/36693	7.170	0.010	
pH (s.u.)	8/29/2000	WA-15/36767	7.280	2.000	
pH (s.u.)	2/16/2001	WA-15/36938	7.220	1.000	
pH (s.u.)	2/16/2001	WA-15/36938	7.250	0.010	
pH (s.u.)	8/16/2001	WA-15/37119	7.550	2.000	
pH (s.u.)	1/31/2002	WA-15/37287	7.190	2.000	
pH (s.u.)	1/31/2002	WA-15/37287	7.460	0.010	F
pH (s.u.)	11/13/2002	WA-15/37573	7.280	2.000	
pH (s.u.)	11/13/2002	WA-15/37573	7.080	0.010	F
pH (s.u.)	5/13/2003	WA-15/37754	7.290	2.000	
pH (s.u.)	5/13/2003	WA-15/37754	7.120	0.010	F
pH (s.u.)	11/11/2003	WA-15/37936	7.110	2.000	
pH (s.u.)	11/11/2003	WA-15/37936	7.220	0.010	F
pH (s.u.)	5/12/2004	WA-15/38119	7.880	2.000	
pH (s.u.)	5/12/2004	WA-15/38119	7.310	0.010	F
pH (s.u.)	11/ 9/2004	WA-15/38300	7.170	0.010	F
pH (s.u.)	11/ 9/2004	WA-15/38300	7.190	2.000	
pH (s.u.)	5/17/2005	WA-15/38489	7.290	0.010	F
pH (s.u.)	10/12/2005	WA-15/38637	7.600	0.010	F
pH (s.u.)	10/12/2005	WA-15/38637	7.400	0.000	
pH (s.u.)	5/ 9/2006	WA-15/38846	7.090	0.010	F
pH (s.u.)	5/11/2006	WA-15/38848	7.200	0.010	

Historical Field and Routine Parameters for Class III Area Detection Monitoring Program Wells

Company: San Benito County **Data Group:** None
Site: John Smith Road Landfill **Date Range:** All thru 4q12
Program: SBC Groundwater **Permit:** WDR 2010-0021

Parameter (Unit)	Date	Sample ID	Result Value	Detection Limit	Code
pH (s.u.)	11/14/2006	WA-15/39035	7.560	0.010	F
pH (s.u.)	11/14/2006	WA-15/39035	7.380	1.000	
pH (s.u.)	5/25/2007	WA-15/39227	7.170	0.010	F
pH (s.u.)	5/25/2007	WA-15/39227	7.580	0.050	
pH (s.u.)	11/15/2007	WA-15/39401	7.370	0.010	F
pH (s.u.)	11/15/2007	WA-15/39401	7.650	0.050	
pH (s.u.)	5/23/2008	WA-15/39591	7.320	0.010	F
pH (s.u.)	5/23/2008	WA-15/39591	7.540	0.050	
pH (s.u.)	11/ 5/2008	WA-15/39757	7.990	0.010	F
pH (s.u.)	11/ 5/2008	WA-15/39757	7.520	0.050	
pH (s.u.)	5/28/2009	WA-15/39961	6.950	0.010	F
pH (s.u.)	5/28/2009	WA-15/39961	7.560	0.050	
pH (s.u.)	5/29/2009	WA-15/39962d	7.490	0.050	D
pH (s.u.)	12/15/2009	WA-15/40162	7.470	0.050	
pH (s.u.)	12/15/2009	WA-15/40162d	7.530	0.050	D
pH (s.u.)	12/15/2009	WA-15/40162	7.710	0.010	F
pH (s.u.)	5/18/2010	WA-15/40316	7.710	0.010	F
pH (s.u.)	5/18/2010	WA-15/40316	7.370	0.050	
pH (s.u.)	12/ 7/2010	WA-15/40519	7.720	0.050	
pH (s.u.)	12/ 7/2010	WA-15/40519	7.320	0.010	F
pH (s.u.)	12/ 7/2010	WA-15/40519d	7.630	0.050	D
pH (s.u.)	5/25/2011	WA-15/40688	7.450	0.010	F
pH (s.u.)	5/25/2011	WA-15/40688	7.460	0.050	
pH (s.u.)	11/ 9/2011	WA-15/40856	7.480	0.010	F
pH (s.u.)	11/ 9/2011	WA-15/40856	7.400	0.050	
pH (s.u.)	5/18/2012	WA-15/41047	7.400	0.010	F
pH (s.u.)	5/18/2012	WA-15/41047	7.370	0.050	
pH (s.u.)	11/ 2/2012	WA-15/41215	7.400	0.010	F
pH (s.u.)	11/ 2/2012	WA-15/41215	7.580	0.050	
Specific Conductance (µmhos/cm)	11/25/1991	WA-15/33567	4000.000	0.000	
Specific Conductance (µmhos/cm)	3/ 1/1995	WA-15/34759	6730.000	0.000	
Specific Conductance (µmhos/cm)	9/ 1/1995	WA-15/34943	5170.000	0.000	
Specific Conductance (µmhos/cm)	3/ 1/1996	WA-15/35125	5540.000	0.000	
Specific Conductance (µmhos/cm)	9/ 1/1996	WA-15/35309	5640.000	0.000	
Specific Conductance (µmhos/cm)	3/ 1/1997	WA-15/35490	5120.000	0.000	
Specific Conductance (µmhos/cm)	9/ 1/1997	WA-15/35674	5900.000	0.000	
Specific Conductance (µmhos/cm)	9/ 1/1998	WA-15/36039	6700.000	0.000	
Specific Conductance (µmhos/cm)	3/ 1/1999	WA-15/36220	6000.000	0.000	
Specific Conductance (µmhos/cm)	9/14/1999	WA-15/36417	4120.000	0.000	
Specific Conductance (µmhos/cm)	3/15/2000	WA-15/36600	5680.000	0.000	
Specific Conductance (µmhos/cm)	6/16/2000	WA-15/36693	6360.000	1.000	
Specific Conductance (µmhos/cm)	6/16/2000	WA-15/36693	6460.000	1.000	
Specific Conductance (µmhos/cm)	6/16/2000	WA-15/36693	6460.000	1.000	
Specific Conductance (µmhos/cm)	8/29/2000	WA-15/36767	6360.000	1.000	
Specific Conductance (µmhos/cm)	2/16/2001	WA-15/36938	6550.000	1.000	
Specific Conductance (µmhos/cm)	2/16/2001	WA-15/36938	7010.000	1.000	
Specific Conductance (µmhos/cm)	8/16/2001	WA-15/37119	7000.000	1.000	
Specific Conductance (µmhos/cm)	1/31/2002	WA-15/37287	6600.000	1.000	
Specific Conductance (µmhos/cm)	1/31/2002	WA-15/37287	6630.000	1.000	F
Specific Conductance (µmhos/cm)	11/13/2002	WA-15/37573	6400.000	1.000	
Specific Conductance (µmhos/cm)	11/13/2002	WA-15/37573	6890.000	1.000	F
Specific Conductance (µmhos/cm)	5/13/2003	WA-15/37754	6810.000	1.000	F
Specific Conductance (µmhos/cm)	5/13/2003	WA-15/37754	6600.000	1.000	
Specific Conductance (µmhos/cm)	11/11/2003	WA-15/37936	7090.000	1.000	F

Historical Field and Routine Parameters for Class III Area Detection Monitoring Program Wells

Company: San Benito County **Data Group:** None
Site: John Smith Road Landfill **Date Range:** All thru 4q12
Program: SBC Groundwater **Permit:** WDR 2010-0021

Parameter (Unit)	Date	Sample ID	Result Value	Detection Limit	Code
Specific Conductance (µmhos/cm)	11/11/2003	WA-15/37936	6600.000	1.000	
Specific Conductance (µmhos/cm)	5/12/2004	WA-15/38119	4400.000	1.000	
Specific Conductance (µmhos/cm)	5/12/2004	WA-15/38119	7450.000	1.000	F
Specific Conductance (µmhos/cm)	11/ 9/2004	WA-15/38300	6980.000	1.000	F
Specific Conductance (µmhos/cm)	11/ 9/2004	WA-15/38300	6300.000	1.000	
Specific Conductance (µmhos/cm)	5/17/2005	WA-15/38489	7000.000	0.000	
Specific Conductance (µmhos/cm)	5/17/2005	WA-15/38489	7230.000	1.000	F
Specific Conductance (µmhos/cm)	10/12/2005	WA-15/38637	6880.000	1.000	F
Specific Conductance (µmhos/cm)	10/12/2005	WA-15/38637	6900.000	0.000	
Specific Conductance (µmhos/cm)	5/ 9/2006	WA-15/38846	6594.000	1.000	F
Specific Conductance (µmhos/cm)	5/11/2006	WA-15/38848	6800.000	1.000	
Specific Conductance (µmhos/cm)	11/14/2006	WA-15/39035	6460.000	1.000	F
Specific Conductance (µmhos/cm)	11/14/2006	WA-15/39035	6400.000	1.000	
Specific Conductance (µmhos/cm)	5/25/2007	WA-15/39227	6848.000	1.000	F
Specific Conductance (µmhos/cm)	5/25/2007	WA-15/39227	6600.000	1.000	
Specific Conductance (µmhos/cm)	11/15/2007	WA-15/39401	6588.000	1.000	F
Specific Conductance (µmhos/cm)	11/15/2007	WA-15/39401	6450.000	1.000	
Specific Conductance (µmhos/cm)	5/23/2008	WA-15/39591	6285.000	1.000	F
Specific Conductance (µmhos/cm)	5/23/2008	WA-15/39591	6740.000	1.000	
Specific Conductance (µmhos/cm)	11/ 5/2008	WA-15/39757	6773.000	1.000	F
Specific Conductance (µmhos/cm)	11/ 5/2008	WA-15/39757	6800.000	1.000	
Specific Conductance (µmhos/cm)	5/28/2009	WA-15/39961	7610.000	1.000	F
Specific Conductance (µmhos/cm)	5/28/2009	WA-15/39961	6640.000	1.000	
Specific Conductance (µmhos/cm)	5/29/2009	WA-15/39962d	6700.000	1.000	D
Specific Conductance (µmhos/cm)	12/15/2009	WA-15/40162	6787.000	1.000	F
Specific Conductance (µmhos/cm)	12/15/2009	WA-15/40162	6590.000	1.000	
Specific Conductance (µmhos/cm)	12/15/2009	WA-15/40162d	6610.000	1.000	D
Specific Conductance (µmhos/cm)	5/18/2010	WA-15/40316	6500.000	1.000	
Specific Conductance (µmhos/cm)	5/18/2010	WA-15/40316	7700.000	1.000	F
Specific Conductance (µmhos/cm)	12/ 7/2010	WA-15/40519	6680.000	1.000	
Specific Conductance (µmhos/cm)	12/ 7/2010	WA-15/40519	6362.000	1.000	F
Specific Conductance (µmhos/cm)	12/ 7/2010	WA-15/40519d	6660.000	1.000	D
Specific Conductance (µmhos/cm)	5/25/2011	WA-15/40688	6450.000	1.000	
Specific Conductance (µmhos/cm)	5/25/2011	WA-15/40688	5147.000	1.000	F
Specific Conductance (µmhos/cm)	11/ 9/2011	WA-15/40856	6122.000	1.000	F
Specific Conductance (µmhos/cm)	11/ 9/2011	WA-15/40856	6380.000	1.000	
Specific Conductance (µmhos/cm)	5/18/2012	WA-15/41047	6620.000	1.000	
Specific Conductance (µmhos/cm)	5/18/2012	WA-15/41047	6517.000	1.000	F
Specific Conductance (µmhos/cm)	11/ 2/2012	WA-15/41215	6630.000	1.000	
Specific Conductance (µmhos/cm)	11/ 2/2012	WA-15/41215	6306.000	1.000	F
Temperature (deg C)	6/16/2000	WA-15/36693	19.600	0.100	
Temperature (deg C)	6/16/2000	WA-15/36693	19.300	0.100	
Temperature (deg C)	6/16/2000	WA-15/36693	19.300	0.100	
Temperature (deg C)	2/16/2001	WA-15/36938	17.100	0.100	
Temperature (deg C)	8/16/2001	WA-15/37119	14.000	0.100	
Temperature (deg C)	1/31/2002	WA-15/37287	17.200	0.100	
Temperature (deg C)	11/13/2002	WA-15/37573	19.000	0.100	
Temperature (deg C)	5/13/2003	WA-15/37754	18.400	0.100	
Temperature (deg C)	11/11/2003	WA-15/37936	21.700	0.100	
Temperature (deg C)	5/12/2004	WA-15/38119	21.400	0.100	
Temperature (deg C)	11/ 9/2004	WA-15/38300	18.700	0.100	
Temperature (deg C)	5/17/2005	WA-15/38489	19.500	0.100	F
Temperature (deg C)	10/12/2005	WA-15/38637	20.000	0.100	F
Temperature (deg C)	5/ 9/2006	WA-15/38846	19.110	0.100	F

Historical Field and Routine Parameters for Class III Area Detection Monitoring Program Wells

Company: San Benito County **Data Group:** None
Site: John Smith Road Landfill **Date Range:** All thru 4q12
Program: SBC Groundwater **Permit:** WDR 2010-0021

Parameter (Unit)	Date	Sample ID	Result Value	Detection Limit	Code
Temperature (deg C)	11/14/2006	WA-15/39035	19.900	0.100	F
Temperature (deg C)	5/25/2007	WA-15/39227	18.140	0.100	F
Temperature (deg C)	11/15/2007	WA-15/39401	19.030	0.100	F
Temperature (deg C)	5/23/2008	WA-15/39591	18.590	0.100	F
Temperature (deg C)	11/ 5/2008	WA-15/39757	18.800	0.100	F
Temperature (deg C)	5/28/2009	WA-15/39961	18.600	0.100	F
Temperature (deg C)	12/15/2009	WA-15/40162	17.300	0.100	F
Temperature (deg C)	5/18/2010	WA-15/40316	18.400	0.100	F
Temperature (deg C)	12/ 7/2010	WA-15/40519	18.300	0.100	F
Temperature (deg C)	5/25/2011	WA-15/40688	18.000	0.100	F
Temperature (deg C)	11/ 9/2011	WA-15/40856	18.700	0.100	F
Temperature (deg C)	5/18/2012	WA-15/41047	18.200	0.100	F
Temperature (deg C)	11/ 2/2012	WA-15/41215	18.100	0.100	F
Turbidity (Invalid)	11/25/1991	WA-15/33567	36.600	0.000	
Turbidity (Invalid)	6/16/2000	WA-15/36693	13.000	1.000	
Turbidity (Invalid)	6/16/2000	WA-15/36693	18.000	1.000	
Turbidity (Invalid)	6/16/2000	WA-15/36693	18.000	1.000	
Turbidity (Invalid)	2/16/2001	WA-15/36938	36.000	1.000	
Turbidity (Invalid)	8/16/2001	WA-15/37119	40.000	1.000	
Turbidity (Invalid)	1/31/2002	WA-15/37287	29.000	1.000	
Turbidity (Invalid)	11/13/2002	WA-15/37573	103.000	1.000	
Turbidity (Invalid)	5/13/2003	WA-15/37754	14.000	1.000	
Turbidity (Invalid)	11/11/2003	WA-15/37936	221.000	1.000	
Turbidity (Invalid)	5/12/2004	WA-15/38119	0.000	1.000	
Turbidity (Invalid)	11/ 9/2004	WA-15/38300	370.000	1.000	
Turbidity (Invalid)	5/17/2005	WA-15/38489	40.000	1.000	F
Turbidity (Invalid)	10/12/2005	WA-15/38637	35.000	1.000	F
Turbidity (Invalid)	5/ 9/2006	WA-15/38846	0.000	1.000	F
Turbidity (Invalid)	11/14/2006	WA-15/39035	28.000	1.000	F
Turbidity (Invalid)	5/25/2007	WA-15/39227	15.200	1.000	F
Turbidity (Invalid)	11/15/2007	WA-15/39401	6.000	1.000	F
Turbidity (Invalid)	5/23/2008	WA-15/39591	4.000	1.000	F
Turbidity (Invalid)	11/ 5/2008	WA-15/39757	21.000	1.000	F
Turbidity (Invalid)	5/28/2009	WA-15/39961	7.000	1.000	F
Turbidity (Invalid)	12/15/2009	WA-15/40162	33.000	1.000	F
Turbidity (Invalid)	5/18/2010	WA-15/40316	9.000	1.000	F
Turbidity (Invalid)	5/25/2011	WA-15/40688	5.000	0.100	F
Turbidity (Invalid)	11/ 9/2011	WA-15/40856	8.000	0.100	F
Turbidity (Invalid)	5/18/2012	WA-15/41047	6.000	0.100	F
Turbidity (Invalid)	11/ 2/2012	WA-15/41215	6.000	0.100	F
Inorganic Parameters					
Chloride (mg/L)	11/25/1991	WA-15/33567	710.000	0.000	
Chloride (mg/L)	3/ 1/1994	WA-15/34394	868.000	0.000	
Chloride (mg/L)	9/ 1/1994	WA-15/34578	715.000	0.000	
Chloride (mg/L)	3/ 1/1995	WA-15/34759	353.000	0.000	
Chloride (mg/L)	9/ 1/1995	WA-15/34943	800.000	0.000	
Chloride (mg/L)	3/ 1/1996	WA-15/35125	804.000	0.000	
Chloride (mg/L)	9/ 1/1996	WA-15/35309	798.000	0.000	
Chloride (mg/L)	3/ 1/1997	WA-15/35490	776.000	0.000	
Chloride (mg/L)	9/ 1/1997	WA-15/35674	630.000	0.000	
Chloride (mg/L)	9/ 1/1998	WA-15/36039	720.000	0.000	
Chloride (mg/L)	3/ 1/1999	WA-15/36220	630.000	0.000	
Chloride (mg/L)	9/14/1999	WA-15/36417	696.000	0.000	
Chloride (mg/L)	3/15/2000	WA-15/36600	726.000	0.000	

Historical Field and Routine Parameters for Class III Area Detection Monitoring Program Wells

Company: San Benito County **Data Group:** None
Site: John Smith Road Landfill **Date Range:** All thru 4q12
Program: SBC Groundwater **Permit:** WDR 2010-0021

Parameter (Unit)	Date	Sample ID	Result Value	Detection Limit	Code
Chloride (mg/L)	8/29/2000	WA-15/36767	790.000	3.540	
Chloride (mg/L)	2/16/2001	WA-15/36938	777.000	100.000	
Chloride (mg/L)	8/16/2001	WA-15/37119	800.000	50.000	
Chloride (mg/L)	1/31/2002	WA-15/37287	860.000	50.000	
Chloride (mg/L)	11/13/2002	WA-15/37573	790.000	50.000	
Chloride (mg/L)	5/13/2003	WA-15/37754	750.000	100.000	
Chloride (mg/L)	11/11/2003	WA-15/37936	710.000	100.000	
Chloride (mg/L)	5/12/2004	WA-15/38119	800.000	100.000	
Chloride (mg/L)	11/ 9/2004	WA-15/38300	820.000	10.000	
Chloride (mg/L)	5/17/2005	WA-15/38489	810.000	2.000	
Chloride (mg/L)	10/12/2005	WA-15/38637	800.000	2.000	L
Chloride (mg/L)	5/11/2006	WA-15/38848	790.000	5.100	L
Chloride (mg/L)	11/14/2006	WA-15/39035	720.000	7.200	
Chloride (mg/L)	5/25/2007	WA-15/39227	800.000	0.370	
Chloride (mg/L)	11/15/2007	WA-15/39401	800.000	0.180	L
Chloride (mg/L)	5/23/2008	WA-15/39591	850.000	0.380	L
Chloride (mg/L)	11/ 5/2008	WA-15/39757	820.000	0.750	L
Chloride (mg/L)	5/28/2009	WA-15/39961	880.000	0.590	L
Chloride (mg/L)	5/29/2009	WA-15/39962d	870.000	0.590	L,D
Chloride (mg/L)	12/15/2009	WA-15/40162d	810.000	0.590	D,L
Chloride (mg/L)	12/15/2009	WA-15/40162	810.000	0.590	L
Chloride (mg/L)	5/18/2010	WA-15/40316	870.000	0.250	
Chloride (mg/L)	12/ 7/2010	WA-15/40519d	800.000	0.250	L,D
Chloride (mg/L)	12/ 7/2010	WA-15/40519	810.000	0.250	L
Chloride (mg/L)	5/25/2011	WA-15/40688	810.000	0.500	B,L
Chloride (mg/L)	11/ 9/2011	WA-15/40856	810.000	0.660	L
Chloride (mg/L)	5/18/2012	WA-15/41047	820.000	0.660	L
Chloride (mg/L)	11/ 2/2012	WA-15/41215	790.000	0.660	L
Nitrate/Nitrite as N (mg/L)	9/ 1/1994	WA-15/34578	0.380	1.000	
Nitrate/Nitrite as N (mg/L)	3/ 1/1995	WA-15/34759	1.150	1.000	
Nitrate/Nitrite as N (mg/L)	9/ 1/1995	WA-15/34943	0.200	1.000	
Nitrate/Nitrite as N (mg/L)	3/ 1/1996	WA-15/35125	0.380	1.000	
Nitrate/Nitrite as N (mg/L)	9/ 1/1997	WA-15/35674	0.980	1.000	
Nitrate/Nitrite as N (mg/L)	9/ 1/1998	WA-15/36039	2.100	1.000	
Nitrate/Nitrite as N (mg/L)	3/ 1/1999	WA-15/36220	5.500	1.000	
Nitrate/Nitrite as N (mg/L)	9/14/1999	WA-15/36417	1.770	0.000	
Nitrate/Nitrite as N (mg/L)	3/15/2000	WA-15/36600	1.660	0.000	
Nitrate/Nitrite as N (mg/L)	8/29/2000	WA-15/36767	0.207	0.050	
Nitrate/Nitrite as N (mg/L)	2/16/2001	WA-15/36938	0.720	0.050	
Nitrate/Nitrite as N (mg/L)	8/16/2001	WA-15/37119	0.066	0.050	
Nitrate/Nitrite as N (mg/L)	1/31/2002	WA-15/37287	0.820	0.050	
Nitrate/Nitrite as N (mg/L)	11/13/2002	WA-15/37573	0.750	0.050	
Nitrate/Nitrite as N (mg/L)	5/13/2003	WA-15/37754	<0.050	0.050	
Nitrate/Nitrite as N (mg/L)	11/11/2003	WA-15/37936	<0.050	0.050	
Nitrate/Nitrite as N (mg/L)	5/12/2004	WA-15/38119	<0.050	0.050	
Nitrate/Nitrite as N (mg/L)	11/ 9/2004	WA-15/38300	11.000	0.250	
Nitrate/Nitrite as N (mg/L)	5/17/2005	WA-15/38489	<0.031	0.031	
Nitrate/Nitrite as N (mg/L)	10/12/2005	WA-15/38637	<0.031	0.031	
Nitrate/Nitrite as N (mg/L)	5/11/2006	WA-15/38848	0.064	0.019	B
Nitrate/Nitrite as N (mg/L)	11/14/2006	WA-15/39035	0.370	0.050	
Nitrate/Nitrite as N (mg/L)	5/25/2007	WA-15/39227	0.100	0.050	
Nitrate/Nitrite as N (mg/L)	11/15/2007	WA-15/39401	<0.050	0.050	
Nitrate/Nitrite as N (mg/L)	5/23/2008	WA-15/39591	<0.050	0.050	
Nitrate/Nitrite as N (mg/L)	11/ 5/2008	WA-15/39757	<0.050	0.050	

Historical Field and Routine Parameters for Class III Area Detection Monitoring Program Wells

Company:	San Benito County	**Data Group:**	None
Site:	John Smith Road Landfill	**Date Range:**	All thru 4q12
Program:	SBC Groundwater	**Permit:**	WDR 2010-0021

Parameter (Unit)	Date	Sample ID	Result Value	Detection Limit	Code
Nitrate/Nitrite as N (mg/L)	5/28/2009	WA-15/39961	<0.050	0.050	
Nitrate/Nitrite as N (mg/L)	5/29/2009	WA-15/39962d	<0.050	0.050	D
Nitrate/Nitrite as N (mg/L)	12/15/2009	WA-15/40162d	0.025	0.010	J,D
Nitrate/Nitrite as N (mg/L)	12/15/2009	WA-15/40162	0.023	0.010	J
Nitrate/Nitrite as N (mg/L)	5/18/2010	WA-15/40316	<0.010	0.010	
Nitrate/Nitrite as N (mg/L)	12/ 7/2010	WA-15/40519	0.500	0.010	
Nitrate/Nitrite as N (mg/L)	12/ 7/2010	WA-15/40519d	0.510	0.010	D
Nitrate/Nitrite as N (mg/L)	5/25/2011	WA-15/40688	0.011	0.010	J
Nitrate/Nitrite as N (mg/L)	11/ 9/2011	WA-15/40856	0.046	0.010	J
Nitrate/Nitrite as N (mg/L)	5/18/2012	WA-15/41047	0.130	0.010	
Nitrate/Nitrite as N (mg/L)	11/ 2/2012	WA-15/41215	0.230	0.010	
Water Quality Indicator Parameters					
Bicarbonate Alkalinity (mg/L)	11/25/1991	WA-15/33567	460.000	0.000	
Bicarbonate Alkalinity (mg/L)	5/25/2007	WA-15/39227	430.000	20.000	
Bicarbonate Alkalinity (mg/L)	11/15/2007	WA-15/39401	420.000	5.000	L
Bicarbonate Alkalinity (mg/L)	5/23/2008	WA-15/39591	390.000	5.000	L
Bicarbonate Alkalinity (mg/L)	11/ 5/2008	WA-15/39757	390.000	10.000	L
Bicarbonate Alkalinity (mg/L)	5/28/2009	WA-15/39961	360.000	8.200	L
Bicarbonate Alkalinity (mg/L)	5/29/2009	WA-15/39962d	360.000	8.200	L,D
Bicarbonate Alkalinity (mg/L)	12/15/2009	WA-15/40162d	360.000	4.100	D
Bicarbonate Alkalinity (mg/L)	12/15/2009	WA-15/40162	360.000	4.100	
Bicarbonate Alkalinity (mg/L)	5/18/2010	WA-15/40316	350.000	8.200	
Bicarbonate Alkalinity (mg/L)	12/ 7/2010	WA-15/40519d	340.000	8.200	L,D
Bicarbonate Alkalinity (mg/L)	12/ 7/2010	WA-15/40519	340.000	8.200	L
Bicarbonate Alkalinity (mg/L)	5/25/2011	WA-15/40688	350.000	8.200	L
Bicarbonate Alkalinity (mg/L)	11/ 9/2011	WA-15/40856	360.000	8.200	L
Bicarbonate Alkalinity (mg/L)	5/18/2012	WA-15/41047	350.000	8.200	
Bicarbonate Alkalinity (mg/L)	11/ 2/2012	WA-15/41215	350.000	8.200	

End of report

Historical Field Parameters in Class III Area Corrective Action Assessment Monitoring Wells

Company: San Benito County **Data Group:** None
Site: John Smith Road Landfill **Date Range:** All thru 4q12
Program: SBC Groundwater **Permit:** WDR 2010-0021

Parameter (Unit)	Date	Sample ID	Result Value	Detection Limit	Code
CP-30					
Field or Physical Parameters					
Dissolved Oxygen (mg/L)	5/13/2004	CP-30/38120	3.180	0.100	F
Dissolved Oxygen (mg/L)	11/10/2004	CP-30/38301	3.320	0.100	F
Dissolved Oxygen (mg/L)	5/12/2005	CP-30/38484	0.000	0.100	F
Dissolved Oxygen (mg/L)	10/18/2005	CP-30/38643	0.200	0.100	F
Dissolved Oxygen (mg/L)	5/15/2006	CP-30/38852	0.100	0.100	F
Dissolved Oxygen (mg/L)	11/ 9/2006	CP-30/39030	2.470	0.100	F
Dissolved Oxygen (mg/L)	5/24/2007	CP-30/39226	1.400	0.010	F
Dissolved Oxygen (mg/L)	11/14/2007	CP-30/39400	0.400	0.010	F
Dissolved Oxygen (mg/L)	5/22/2008	CP-30/39590	0.560	0.010	F
Dissolved Oxygen (mg/L)	11/ 7/2008	CP-30/39759	0.090	0.010	F
Dissolved Oxygen (mg/L)	6/ 1/2009	CP-30/39965	0.600	0.010	F
Dissolved Oxygen (mg/L)	12/18/2009	CP-30/40165	0.120	0.010	F
Dissolved Oxygen (mg/L)	5/19/2010	CP-30/40317	0.190	0.010	F
Dissolved Oxygen (mg/L)	12/ 8/2010	CP-30/40520	2.440	0.010	F
Dissolved Oxygen (mg/L)	5/27/2011	CP-30/40690	0.800	0.010	F
Dissolved Oxygen (mg/L)	11/10/2011	CP-30/40857	2.200	0.010	F
Dissolved Oxygen (mg/L)	5/17/2012	CP-30/41046	1.000	0.010	F
Dissolved Oxygen (mg/L)	10/31/2012	CP-30/41213	0.700	0.010	F
ORP (mV)	5/13/2006	CP-30/38850	-259.200	1.000	F
ORP (mV)	5/24/2007	CP-30/39226	-181.100	1.000	F
ORP (mV)	11/14/2007	CP-30/39400	-113.000	1.000	F
ORP (mV)	5/22/2008	CP-30/39590	139.000	0.010	F
ORP (mV)	11/ 7/2008	CP-30/39759	-112.000	0.010	F
ORP (mV)	6/ 1/2009	CP-30/39965	-144.000	0.010	F
ORP (mV)	12/18/2009	CP-30/40165	-110.000	0.010	F
ORP (mV)	5/19/2010	CP-30/40317	-103.000	0.010	F
ORP (mV)	12/ 8/2010	CP-30/40520	-20.900	0.010	F
ORP (mV)	5/27/2011	CP-30/40690	-100.900	0.010	F
ORP (mV)	11/10/2011	CP-30/40857	4.700	0.010	F
ORP (mV)	5/17/2012	CP-30/41046	-114.900	0.010	F
ORP (mV)	10/31/2012	CP-30/41213	-226.000	0.010	F
pH (s.u.)	5/13/2004	CP-30/38120	7.590	2.000	
pH (s.u.)	5/13/2004	CP-30/38120	7.580	2.000	D
pH (s.u.)	5/13/2004	CP-30/38120	7.380	0.010	
pH (s.u.)	11/10/2004	CP-30/38301	7.800	2.000	D
pH (s.u.)	11/10/2004	CP-30/38301	7.400	0.010	F
pH (s.u.)	11/10/2004	CP-30/38301	7.640	2.000	
pH (s.u.)	5/12/2005	CP-30/38484	7.450	0.010	F
pH (s.u.)	10/18/2005	CP-30/38643	7.220	0.010	F
pH (s.u.)	10/18/2005	CP-30/38643	7.600	0.000	L
pH (s.u.)	10/18/2005	CP-30/38643d	0.008	0.000	D,L
pH (s.u.)	5/15/2006	CP-30/38852	7.190	0.010	F
pH (s.u.)	5/15/2006	CP-30/38852	7.400	0.010	
pH (s.u.)	11/ 9/2006	CP-30/39030	7.810	0.010	F
pH (s.u.)	11/ 9/2006	CP-30/39030	7.800	1.000	
pH (s.u.)	5/24/2007	CP-30/39226	7.210	0.010	F
pH (s.u.)	5/24/2007	CP-30/39226	7.250	0.050	
pH (s.u.)	11/14/2007	CP-30/39400	7.370	0.010	F
pH (s.u.)	5/22/2008	CP-30/39590	7.150	0.010	F
pH (s.u.)	11/ 7/2008	CP-30/39759	8.030	0.010	F
pH (s.u.)	6/ 1/2009	CP-30/39965	7.120	0.010	F
pH (s.u.)	12/18/2009	CP-30/40165	7.790	0.010	F

Historical Field Parameters in Class III Area Corrective Action Assessment Monitoring Wells

Company: San Benito County **Data Group:** None
Site: John Smith Road Landfill **Date Range:** All thru 4q12
Program: SBC Groundwater **Permit:** WDR 2010-0021

Parameter (Unit)	Date	Sample ID	Result Value	Detection Limit	Code
pH (s.u.)	5/19/2010	CP-30/40317	8.100	0.010	F
pH (s.u.)	12/ 8/2010	CP-30/40520	7.300	0.010	F
pH (s.u.)	5/27/2011	CP-30/40690	7.520	0.010	F
pH (s.u.)	11/10/2011	CP-30/40857	7.510	0.010	F
pH (s.u.)	5/17/2012	CP-30/41046	7.540	0.010	F
pH (s.u.)	10/31/2012	CP-30/41213	7.170	0.010	F
Specific Conductance (µmhos/cm)	5/13/2004	CP-30/38120	4000.000	1.000	
Specific Conductance (µmhos/cm)	5/13/2004	CP-30/38120	3900.000	1.000	D
Specific Conductance (µmhos/cm)	5/13/2004	CP-30/38120	4530.000	1.000	
Specific Conductance (µmhos/cm)	11/10/2004	CP-30/38301	4000.000	1.000	D
Specific Conductance (µmhos/cm)	11/10/2004	CP-30/38301	3850.000	1.000	F
Specific Conductance (µmhos/cm)	11/10/2004	CP-30/38301	4000.000	1.000	
Specific Conductance (µmhos/cm)	5/12/2005	CP-30/38484	4510.000	1.000	F
Specific Conductance (µmhos/cm)	5/12/2005	CP-30/38484	4200.000	0.000	
Specific Conductance (µmhos/cm)	5/12/2005	CP-30/38484d	4200.000	0.000	
Specific Conductance (µmhos/cm)	10/18/2005	CP-30/38643	4350.000	1.000	F
Specific Conductance (µmhos/cm)	10/18/2005	CP-30/38643	4.300	0.000	
Specific Conductance (µmhos/cm)	10/18/2005	CP-30/38643d	4.300	0.000	D,L
Specific Conductance (µmhos/cm)	5/15/2006	CP-30/38852	4100.000	1.000	
Specific Conductance (µmhos/cm)	5/15/2006	CP-30/38852	4175.000	1.000	F
Specific Conductance (µmhos/cm)	11/ 9/2006	CP-30/39030	4210.000	1.000	F
Specific Conductance (µmhos/cm)	11/ 9/2006	CP-30/39030	4400.000	1.000	
Specific Conductance (µmhos/cm)	5/24/2007	CP-30/39226	4309.000	1.000	F
Specific Conductance (µmhos/cm)	5/24/2007	CP-30/39226	4100.000	1.000	
Specific Conductance (µmhos/cm)	11/14/2007	CP-30/39400	4350.000	1.000	F
Specific Conductance (µmhos/cm)	5/22/2008	CP-30/39590	4301.000	1.000	F
Specific Conductance (µmhos/cm)	11/ 7/2008	CP-30/39759	4307.000	1.000	F
Specific Conductance (µmhos/cm)	6/ 1/2009	CP-30/39965	5162.000	1.000	F
Specific Conductance (µmhos/cm)	12/18/2009	CP-30/40165	4322.000	1.000	F
Specific Conductance (µmhos/cm)	5/19/2010	CP-30/40317	4259.000	1.000	F
Specific Conductance (µmhos/cm)	12/ 8/2010	CP-30/40520	4270.000	1.000	F
Specific Conductance (µmhos/cm)	5/27/2011	CP-30/40690	3573.000	1.000	F
Specific Conductance (µmhos/cm)	11/10/2011	CP-30/40857	3720.000	1.000	F
Specific Conductance (µmhos/cm)	5/17/2012	CP-30/41046	4122.000	1.000	F
Specific Conductance (µmhos/cm)	10/31/2012	CP-30/41213	3883.000	1.000	F
Temperature (deg C)	5/13/2004	CP-30/38120	24.000	0.100	
Temperature (deg C)	11/10/2004	CP-30/38301	21.100	0.100	
Temperature (deg C)	5/12/2005	CP-30/38484	23.000	0.100	F
Temperature (deg C)	10/18/2005	CP-30/38643	22.400	0.100	F
Temperature (deg C)	5/15/2006	CP-30/38852	22.050	0.100	F
Temperature (deg C)	11/ 9/2006	CP-30/39030	21.030	0.100	F
Temperature (deg C)	5/24/2007	CP-30/39226	23.100	0.100	F
Temperature (deg C)	11/14/2007	CP-30/39400	22.000	0.100	F
Temperature (deg C)	5/22/2008	CP-30/39590	21.930	0.100	F
Temperature (deg C)	11/ 7/2008	CP-30/39759	22.700	0.100	F
Temperature (deg C)	6/ 1/2009	CP-30/39965	22.300	0.100	F
Temperature (deg C)	12/18/2009	CP-30/40165	20.600	0.100	F
Temperature (deg C)	5/19/2010	CP-30/40317	18.700	0.100	F
Temperature (deg C)	12/ 8/2010	CP-30/40520	21.400	0.100	F
Temperature (deg C)	5/27/2011	CP-30/40690	22.200	0.100	F
Temperature (deg C)	11/10/2011	CP-30/40857	21.200	0.100	F
Temperature (deg C)	5/17/2012	CP-30/41046	22.300	0.100	F
Temperature (deg C)	10/31/2012	CP-30/41213	20.900	0.100	F
Turbidity (Invalid)	5/13/2004	CP-30/38120	45.000	1.000	

Historical Field Parameters in Class III Area Corrective Action Assessment Monitoring Wells

Company: San Benito County **Data Group:** None
Site: John Smith Road Landfill **Date Range:** All thru 4q12
Program: SBC Groundwater **Permit:** WDR 2010-0021

Parameter (Unit)	Date	Sample ID	Result Value	Detection Limit	Code
Turbidity (Invalid)	11/10/2004	CP-30/38301	5.000	1.000	
Turbidity (Invalid)	5/12/2005	CP-30/38484	16.000	1.000	F
Turbidity (Invalid)	10/18/2005	CP-30/38643	3.000	1.000	F
Turbidity (Invalid)	5/15/2006	CP-30/38852	0.000	1.000	F
Turbidity (Invalid)	11/ 9/2006	CP-30/39030	3.700	1.000	F
Turbidity (Invalid)	5/24/2007	CP-30/39226	16.500	1.000	F
Turbidity (Invalid)	11/14/2007	CP-30/39400	0.600	1.000	F
Turbidity (Invalid)	5/22/2008	CP-30/39590	2.100	1.000	F
Turbidity (Invalid)	11/ 7/2008	CP-30/39759	1.000	1.000	F
Turbidity (Invalid)	6/ 1/2009	CP-30/39965	8.000	1.000	F
Turbidity (Invalid)	12/18/2009	CP-30/40165	14.000	1.000	F
Turbidity (Invalid)	5/19/2010	CP-30/40317	5.000	0.000	F
Turbidity (Invalid)	5/27/2011	CP-30/40690	8.000	0.100	F
Turbidity (Invalid)	11/10/2011	CP-30/40857	5.000	0.100	F
Turbidity (Invalid)	5/17/2012	CP-30/41046	10.000	0.100	F
Turbidity (Invalid)	10/31/2012	CP-30/41213	14.000	0.100	F
CP-31					
Field or Physical Parameters					
Dissolved Oxygen (mg/L)	5/13/2004	CP-31/38120	0.410	0.100	
Dissolved Oxygen (mg/L)	11/10/2004	CP-31/38301	3.330	0.100	
Dissolved Oxygen (mg/L)	5/11/2005	CP-31/38483	0.000	0.100	F
Dissolved Oxygen (mg/L)	5/11/2005	CP-31/38483	0.000	0.100	F
Dissolved Oxygen (mg/L)	10/11/2005	CP-31/38636	0.300	0.100	F
Dissolved Oxygen (mg/L)	5/15/2006	CP-31/38852	0.080	0.100	F
Dissolved Oxygen (mg/L)	11/13/2006	CP-31/39034	0.790	0.100	F
Dissolved Oxygen (mg/L)	5/24/2007	CP-31/39226	0.800	0.010	F
Dissolved Oxygen (mg/L)	11/13/2007	CP-31/39399	0.600	0.010	F
Dissolved Oxygen (mg/L)	5/22/2008	CP-31/39590	0.800	0.010	F
Dissolved Oxygen (mg/L)	11/ 7/2008	CP-31/39759	0.300	0.010	F
Dissolved Oxygen (mg/L)	5/28/2009	CP-31/39961	2.600	0.010	F
Dissolved Oxygen (mg/L)	12/18/2009	CP-31/40165	0.360	0.010	F
Dissolved Oxygen (mg/L)	5/19/2010	CP-31/40317	0.250	0.010	F
Dissolved Oxygen (mg/L)	12/ 8/2010	CP-31/40520	0.790	0.010	F
Dissolved Oxygen (mg/L)	5/26/2011	CP-31/40689	2.200	0.010	F
Dissolved Oxygen (mg/L)	11/10/2011	CP-31/40857	2.800	0.010	F
Dissolved Oxygen (mg/L)	5/17/2012	CP-31/41046	1.800	0.010	F
Dissolved Oxygen (mg/L)	11/ 1/2012	CP-31/41214	1.800	0.010	F
ORP (mV)	5/15/2006	CP-31/38852	-124.300	1.000	F
ORP (mV)	5/24/2007	CP-31/39226	-107.700	1.000	F
ORP (mV)	11/13/2007	CP-31/39399	-43.000	1.000	F
ORP (mV)	5/22/2008	CP-31/39590	-65.000	0.010	F
ORP (mV)	11/ 7/2008	CP-31/39759	-40.000	0.010	F
ORP (mV)	5/28/2009	CP-31/39961	-107.000	0.010	F
ORP (mV)	12/18/2009	CP-31/40165	-36.000	0.010	F
ORP (mV)	5/19/2010	CP-31/40317	-34.000	0.010	F
ORP (mV)	12/ 8/2010	CP-31/40520	33.700	0.010	F
ORP (mV)	11/10/2011	CP-31/40857	36.400	0.010	F
ORP (mV)	5/17/2012	CP-31/41046	10.500	0.010	F
ORP (mV)	11/ 1/2012	CP-31/41214	54.000	0.010	F
pH (s.u.)	5/13/2004	CP-31/38120	7.480	2.000	
pH (s.u.)	5/13/2004	CP-31/38120	7.260	0.010	
pH (s.u.)	11/10/2004	CP-31/38301	7.700	2.000	
pH (s.u.)	11/10/2004	CP-31/38301	7.380	0.010	F

Historical Field Parameters in Class III Area Corrective Action Assessment Monitoring Wells

Company: San Benito County **Data Group:** None
Site: John Smith Road Landfill **Date Range:** All thru 4q12
Program: SBC Groundwater **Permit:** WDR 2010-0021

Parameter (Unit)	Date	Sample ID	Result Value	Detection Limit	Code
pH (s.u.)	5/11/2005	CP-31/38483	7.400	0.010	F
pH (s.u.)	5/11/2005	CP-31/38483	7.400	0.010	F
pH (s.u.)	10/11/2005	CP-31/38636	7.580	0.010	F
pH (s.u.)	10/11/2005	CP-31/38636	7.500	0.000	
pH (s.u.)	5/15/2006	CP-31/38852	7.500	0.010	
pH (s.u.)	5/15/2006	CP-31/38852	7.280	0.010	F
pH (s.u.)	11/13/2006	CP-31/39034	7.460	0.010	F
pH (s.u.)	11/13/2006	CP-31/39034	7.390	1.000	P
pH (s.u.)	5/24/2007	CP-31/39226	7.260	0.010	F
pH (s.u.)	11/13/2007	CP-31/39399	7.340	0.010	F
pH (s.u.)	5/22/2008	CP-31/39590	7.260	0.010	F
pH (s.u.)	11/ 7/2008	CP-31/39759	7.990	0.010	F
pH (s.u.)	5/28/2009	CP-31/39961	7.230	0.010	F
pH (s.u.)	12/18/2009	CP-31/40165	7.920	0.010	F
pH (s.u.)	5/19/2010	CP-31/40317	8.010	0.010	F
pH (s.u.)	12/ 8/2010	CP-31/40520	7.300	0.010	F
pH (s.u.)	5/26/2011	CP-31/40689	7.710	0.010	F
pH (s.u.)	11/10/2011	CP-31/40857	7.520	0.010	F
pH (s.u.)	5/17/2012	CP-31/41046	7.760	0.010	F
pH (s.u.)	11/ 1/2012	CP-31/41214	7.460	0.010	F
Specific Conductance (µmhos/cm)	5/13/2004	CP-31/38120	4480.000	1.000	
Specific Conductance (µmhos/cm)	11/10/2004	CP-31/38301	3900.000	1.000	
Specific Conductance (µmhos/cm)	11/10/2004	CP-31/38301	11600.000	1.000	F
Specific Conductance (µmhos/cm)	5/11/2005	CP-31/38483	4310.000	1.000	F
Specific Conductance (µmhos/cm)	5/11/2005	CP-31/38483	4310.000	1.000	F
Specific Conductance (µmhos/cm)	5/17/2005	CP-31/38489	4300.000	0.000	
Specific Conductance (µmhos/cm)	10/11/2005	CP-31/38636	4040.000	1.000	F
Specific Conductance (µmhos/cm)	10/11/2005	CP-31/38636	4000.000	0.000	
Specific Conductance (µmhos/cm)	5/15/2006	CP-31/38852	4100.000	1.000	
Specific Conductance (µmhos/cm)	5/15/2006	CP-31/38852	4100.000	1.000	D
Specific Conductance (µmhos/cm)	5/15/2006	CP-31/38852	4183.000	1.000	F
Specific Conductance (µmhos/cm)	11/13/2006	CP-31/39034	3880.000	1.000	F
Specific Conductance (µmhos/cm)	11/13/2006	CP-31/39034	4100.000	1.000	
Specific Conductance (µmhos/cm)	5/24/2007	CP-31/39226	4112.000	1.000	F
Specific Conductance (µmhos/cm)	11/13/2007	CP-31/39399	3603.000	1.000	F
Specific Conductance (µmhos/cm)	5/22/2008	CP-31/39590	3987.000	1.000	F
Specific Conductance (µmhos/cm)	11/ 7/2008	CP-31/39759	3849.000	1.000	F
Specific Conductance (µmhos/cm)	5/28/2009	CP-31/39961	4513.000	1.000	F
Specific Conductance (µmhos/cm)	12/18/2009	CP-31/40165	3798.000	1.000	F
Specific Conductance (µmhos/cm)	5/19/2010	CP-31/40317	3790.000	1.000	F
Specific Conductance (µmhos/cm)	12/ 8/2010	CP-31/40520	2411.000	1.000	F
Specific Conductance (µmhos/cm)	5/26/2011	CP-31/40689	1976.000	1.000	F
Specific Conductance (µmhos/cm)	11/10/2011	CP-31/40857	2210.000	1.000	F
Specific Conductance (µmhos/cm)	5/17/2012	CP-31/41046	2416.000	1.000	F
Specific Conductance (µmhos/cm)	11/ 1/2012	CP-31/41214	2522.000	1.000	F
Temperature (deg C)	5/13/2004	CP-31/38120	21.300	0.100	
Temperature (deg C)	11/10/2004	CP-31/38301	19.700	0.100	
Temperature (deg C)	5/11/2005	CP-31/38483	19.800	0.100	F
Temperature (deg C)	5/11/2005	CP-31/38483	19.800	0.100	F
Temperature (deg C)	10/11/2005	CP-31/38636	20.200	0.100	F
Temperature (deg C)	5/15/2006	CP-31/38852	20.200	0.100	F
Temperature (deg C)	11/13/2006	CP-31/39034	19.600	0.100	F
Temperature (deg C)	5/24/2007	CP-31/39226	20.200	0.100	F
Temperature (deg C)	11/13/2007	CP-31/39399	20.100	0.100	F

Historical Field Parameters in Class III Area Corrective Action Assessment Monitoring Wells

Company: San Benito County **Data Group:** None
Site: John Smith Road Landfill **Date Range:** All thru 4q12
Program: SBC Groundwater **Permit:** WDR 2010-0021

Parameter (Unit)	Date	Sample ID	Result Value	Detection Limit	Code
Temperature (deg C)	5/22/2008	CP-31/39590	19.830	0.100	F
Temperature (deg C)	11/ 7/2008	CP-31/39759	19.900	0.100	F
Temperature (deg C)	5/28/2009	CP-31/39961	20.200	0.100	F
Temperature (deg C)	12/18/2009	CP-31/40165	16.900	0.100	F
Temperature (deg C)	5/19/2010	CP-31/40317	11.000	0.100	F
Temperature (deg C)	12/ 8/2010	CP-31/40520	19.200	0.100	F
Temperature (deg C)	5/26/2011	CP-31/40689	19.600	0.100	F
Temperature (deg C)	11/10/2011	CP-31/40857	19.200	0.100	F
Temperature (deg C)	5/17/2012	CP-31/41046	20.000	0.100	F
Temperature (deg C)	11/ 1/2012	CP-31/41214	19.100	0.100	F
Turbidity (Invalid)	5/13/2004	CP-31/38120	17.000	1.000	
Turbidity (Invalid)	11/10/2004	CP-31/38301	0.000	1.000	
Turbidity (Invalid)	5/11/2005	CP-31/38483	27.000	1.000	F
Turbidity (Invalid)	5/11/2005	CP-31/38483	27.000	1.000	F
Turbidity (Invalid)	10/11/2005	CP-31/38636	33.000	1.000	F
Turbidity (Invalid)	5/15/2006	CP-31/38852	0.000	1.000	F
Turbidity (Invalid)	11/13/2006	CP-31/39034	30.000	1.000	F
Turbidity (Invalid)	5/24/2007	CP-31/39226	2.600	1.000	F
Turbidity (Invalid)	11/13/2007	CP-31/39399	0.000	1.000	F
Turbidity (Invalid)	5/22/2008	CP-31/39590	1.800	1.000	F
Turbidity (Invalid)	11/ 7/2008	CP-31/39759	15.000	1.000	F
Turbidity (Invalid)	5/28/2009	CP-31/39961	9.000	1.000	F
Turbidity (Invalid)	12/18/2009	CP-31/40165	24.000	1.000	F
Turbidity (Invalid)	5/19/2010	CP-31/40317	19.700	0.000	F
Turbidity (Invalid)	5/26/2011	CP-31/40689	5.000	0.100	F
Turbidity (Invalid)	11/10/2011	CP-31/40857	5.000	0.100	F
Turbidity (Invalid)	5/17/2012	CP-31/41046	7.000	0.100	F
Turbidity (Invalid)	11/ 1/2012	CP-31/41214	5.000	0.100	F
G-32					
Field or Physical Parameters					
Dissolved Oxygen (mg/L)	11/14/2006	G-32/39035	3.900	0.010	F
Dissolved Oxygen (mg/L)	5/24/2007	G-32/39226	2.300	0.010	F
Dissolved Oxygen (mg/L)	11/14/2007	G-32/39400	3.700	0.010	F
Dissolved Oxygen (mg/L)	5/23/2008	G-32/39591	2.400	0.010	F
Dissolved Oxygen (mg/L)	11/ 7/2008	G-32/39759	3.310	0.010	F
Dissolved Oxygen (mg/L)	12/ 5/2009	G-32/40152	2.000	0.010	F
Dissolved Oxygen (mg/L)	5/20/2010	G-32/40318	1.600	0.010	F
Dissolved Oxygen (mg/L)	12/10/2010	G-32/40522	1.760	0.010	F
Dissolved Oxygen (mg/L)	5/26/2011	G-32/40689	3.100	0.010	F
Dissolved Oxygen (mg/L)	11/11/2011	G-32/40858	4.000	0.010	F
Dissolved Oxygen (mg/L)	5/16/2012	G-32/41045	2.100	0.010	F
Dissolved Oxygen (mg/L)	10/30/2012	G-32/41212	5.200	0.010	F
ORP (mV)	5/24/2007	G-32/39226	1.100	1.000	F
ORP (mV)	11/14/2007	G-32/39400	71.000	1.000	F
ORP (mV)	5/23/2008	G-32/39591	86.000	0.010	F
ORP (mV)	11/ 7/2008	G-32/39759	-39.000	0.010	F
ORP (mV)	12/ 5/2009	G-32/40152	-29.000	0.010	F
ORP (mV)	5/20/2010	G-32/40318	-39.000	0.010	F
ORP (mV)	12/10/2010	G-32/40522	61.900	0.010	F
ORP (mV)	5/26/2011	G-32/40689	198.700	0.010	F
ORP (mV)	11/11/2011	G-32/40858	91.700	0.010	F
ORP (mV)	5/16/2012	G-32/41045	123.200	0.010	F
ORP (mV)	10/30/2012	G-32/41212	91.000	0.010	F

Historical Field Parameters in Class III Area Corrective Action Assessment Monitoring Wells

Company: San Benito County **Data Group:** None
Site: John Smith Road Landfill **Date Range:** All thru 4q12
Program: SBC Groundwater **Permit:** WDR 2010-0021

Parameter (Unit)	Date	Sample ID	Result Value	Detection Limit	Code
pH (s.u.)	8/28/2006	G-32/38957	7.150	0.010	F
pH (s.u.)	11/14/2006	G-32/39035	7.820	0.010	F
pH (s.u.)	11/14/2006	G-32/39035	7.070	1.000	
pH (s.u.)	5/24/2007	G-32/39226	7.020	0.010	F
pH (s.u.)	11/14/2007	G-32/39400	6.720	0.010	F
pH (s.u.)	5/23/2008	G-32/39591	6.830	0.010	F
pH (s.u.)	11/ 7/2008	G-32/39759	7.600	0.010	F
pH (s.u.)	12/ 5/2009	G-32/40152	7.310	0.010	F
pH (s.u.)	5/20/2010	G-32/40318	7.550	0.010	F
pH (s.u.)	12/10/2010	G-32/40522	7.010	0.010	F
pH (s.u.)	5/26/2011	G-32/40689	7.670	0.010	F
pH (s.u.)	11/11/2011	G-32/40858	6.970	0.010	F
pH (s.u.)	5/16/2012	G-32/41045	7.120	0.010	F
pH (s.u.)	10/30/2012	G-32/41212	7.020	0.010	F
Specific Conductance (µmhos/cm)	8/28/2006	G-32/38957	3110.000	1.000	F
Specific Conductance (µmhos/cm)	11/14/2006	G-32/39035	3630.000	1.000	F
Specific Conductance (µmhos/cm)	11/14/2006	G-32/39035	3600.000	1.000	
Specific Conductance (µmhos/cm)	5/24/2007	G-32/39226	3605.000	1.000	F
Specific Conductance (µmhos/cm)	11/14/2007	G-32/39400	3464.000	1.000	F
Specific Conductance (µmhos/cm)	5/23/2008	G-32/39591	3712.000	1.000	F
Specific Conductance (µmhos/cm)	11/ 7/2008	G-32/39759	3315.000	1.000	F
Specific Conductance (µmhos/cm)	12/ 5/2009	G-32/40152	3511.000	1.000	F
Specific Conductance (µmhos/cm)	5/20/2010	G-32/40318	3497.000	1.000	F
Specific Conductance (µmhos/cm)	12/10/2010	G-32/40522	3431.000	1.000	F
Specific Conductance (µmhos/cm)	5/26/2011	G-32/40689	3010.000	1.000	F
Specific Conductance (µmhos/cm)	11/11/2011	G-32/40858	3112.000	1.000	F
Specific Conductance (µmhos/cm)	5/16/2012	G-32/41045	3326.000	1.000	F
Specific Conductance (µmhos/cm)	10/30/2012	G-32/41212	3029.000	1.000	F
Temperature (deg C)	8/28/2006	G-32/38957	21.500	0.100	F
Temperature (deg C)	11/14/2006	G-32/39035	18.700	0.100	F
Temperature (deg C)	5/24/2007	G-32/39226	20.100	0.100	F
Temperature (deg C)	11/14/2007	G-32/39400	21.290	0.100	F
Temperature (deg C)	5/23/2008	G-32/39591	20.320	0.100	F
Temperature (deg C)	11/ 7/2008	G-32/39759	22.300	0.100	F
Temperature (deg C)	12/ 5/2009	G-32/40152	19.400	0.100	F
Temperature (deg C)	5/20/2010	G-32/40318	20.300	0.100	F
Temperature (deg C)	12/10/2010	G-32/40522	20.000	0.100	F
Temperature (deg C)	5/26/2011	G-32/40689	20.800	0.100	F
Temperature (deg C)	11/11/2011	G-32/40858	18.300	0.100	F
Temperature (deg C)	5/16/2012	G-32/41045	20.400	0.100	F
Temperature (deg C)	10/30/2012	G-32/41212	20.600	0.100	F
Turbidity (Invalid)	8/28/2006	G-32/38957	500.000	1.000	F
Turbidity (Invalid)	11/14/2006	G-32/39035	742.000	1.000	F
Turbidity (Invalid)	5/25/2007	G-32/39227	72.300	1.000	F
Turbidity (Invalid)	11/14/2007	G-32/39400	0.000	1.000	F,H
Turbidity (Invalid)	5/23/2008	G-32/39591	999.000	1.000	F,H
Turbidity (Invalid)	11/ 7/2008	G-32/39759	999.000	1.000	F,H
Turbidity (Invalid)	12/ 5/2009	G-32/40152	597.000	1.000	F
Turbidity (Invalid)	5/20/2010	G-32/40318	739.000	1.000	F
Turbidity (Invalid)	12/10/2010	G-32/40522	637.000	1.000	F
Turbidity (Invalid)	5/26/2011	G-32/40689	579.000	0.100	F
Turbidity (Invalid)	11/11/2011	G-32/40858	635.000	0.100	F
Turbidity (Invalid)	5/16/2012	G-32/41045	210.000	0.100	F
Turbidity (Invalid)	10/30/2012	G-32/41212	479.000	0.100	F

Historical Field Parameters in Class III Area Corrective Action Assessment Monitoring Wells

Company: San Benito County **Data Group:** None
Site: John Smith Road Landfill **Date Range:** All thru 4q12
Program: SBC Groundwater **Permit:** WDR 2010-0021

Parameter (Unit)	Date	Sample ID	Result Value	Detection Limit	Code
G-33					
Field or Physical Parameters					
Dissolved Oxygen (mg/L)	11/14/2006	G-33/39035	4.200	0.010	F
Dissolved Oxygen (mg/L)	5/25/2007	G-33/39227	2.000	0.010	F
Dissolved Oxygen (mg/L)	11/14/2007	G-33/39400	3.200	0.010	F
Dissolved Oxygen (mg/L)	5/23/2008	G-33/39591	1.900	0.010	F
Dissolved Oxygen (mg/L)	11/ 7/2008	G-33/39759	3.070	0.010	F
Dissolved Oxygen (mg/L)	12/ 5/2009	G-33/40152	3.100	0.010	F
Dissolved Oxygen (mg/L)	5/20/2010	G-33/40318	2.800	0.010	F
Dissolved Oxygen (mg/L)	12/10/2010	G-33/40522	4.300	0.010	F
Dissolved Oxygen (mg/L)	5/26/2011	G-33/40689	5.300	0.010	F
Dissolved Oxygen (mg/L)	11/11/2011	G-33/40858	3.500	0.010	F
Dissolved Oxygen (mg/L)	5/16/2012	G-33/41045	3.900	0.010	F
Dissolved Oxygen (mg/L)	10/30/2012	G-33/41212	4.400	0.010	F
ORP (mV)	5/25/2007	G-33/39227	4.300	1.000	F
ORP (mV)	11/14/2007	G-33/39400	41.000	1.000	F
ORP (mV)	5/23/2008	G-33/39591	44.000	0.010	F
ORP (mV)	11/ 7/2008	G-33/39759	35.000	0.010	F
ORP (mV)	12/ 5/2009	G-33/40152	30.000	0.010	F
ORP (mV)	5/20/2010	G-33/40318	5.000	0.010	F
ORP (mV)	12/10/2010	G-33/40522	63.000	0.010	F
ORP (mV)	11/11/2011	G-33/40858	90.200	0.010	F
ORP (mV)	5/16/2012	G-33/41045	113.400	0.010	F
ORP (mV)	10/30/2012	G-33/41212	111.000	0.010	F
pH (s.u.)	8/28/2006	G-33/38957	7.100	0.010	F
pH (s.u.)	11/14/2006	G-33/39035	7.220	0.010	F
pH (s.u.)	11/14/2006	G-33/39035	7.200	1.000	
pH (s.u.)	5/25/2007	G-33/39227	6.950	0.010	F
pH (s.u.)	11/14/2007	G-33/39400	7.100	0.010	F
pH (s.u.)	5/23/2008	G-33/39591	7.060	0.010	F
pH (s.u.)	11/ 7/2008	G-33/39759	7.420	0.010	F
pH (s.u.)	12/ 5/2009	G-33/40152	7.880	0.010	F
pH (s.u.)	5/20/2010	G-33/40318	7.930	0.010	F
pH (s.u.)	12/10/2010	G-33/40522	7.130	0.010	F
pH (s.u.)	5/26/2011	G-33/40689	7.580	0.010	F
pH (s.u.)	11/11/2011	G-33/40858	7.320	0.010	F
pH (s.u.)	5/16/2012	G-33/41045	7.220	0.010	F
pH (s.u.)	10/30/2012	G-33/41212	7.250	0.010	F
Specific Conductance (µmhos/cm)	8/28/2006	G-33/38957	3050.000	1.000	F
Specific Conductance (µmhos/cm)	11/14/2006	G-33/39035	3380.000	1.000	F
Specific Conductance (µmhos/cm)	11/14/2006	G-33/39035	3500.000	1.000	
Specific Conductance (µmhos/cm)	5/25/2007	G-33/39227	3487.000	1.000	F
Specific Conductance (µmhos/cm)	11/14/2007	G-33/39400	3416.000	1.000	F
Specific Conductance (µmhos/cm)	5/23/2008	G-33/39591	3510.000	1.000	F
Specific Conductance (µmhos/cm)	11/ 7/2008	G-33/39759	3420.000	1.000	F
Specific Conductance (µmhos/cm)	12/ 5/2009	G-33/40152	3387.000	1.000	F
Specific Conductance (µmhos/cm)	5/20/2010	G-33/40318	3477.000	1.000	F
Specific Conductance (µmhos/cm)	12/10/2010	G-33/40522	3288.000	1.000	F
Specific Conductance (µmhos/cm)	5/26/2011	G-33/40689	2668.000	1.000	F
Specific Conductance (µmhos/cm)	11/11/2011	G-33/40858	2845.000	1.000	F
Specific Conductance (µmhos/cm)	5/16/2012	G-33/41045	31.000	1.000	F
Specific Conductance (µmhos/cm)	10/30/2012	G-33/41212	2932.000	1.000	F
Temperature (deg C)	8/28/2006	G-33/38957	20.700	0.100	F

Historical Field Parameters in Class III Area Corrective Action Assessment Monitoring Wells

Company: San Benito County **Data Group:** None
Site: John Smith Road Landfill **Date Range:** All thru 4q12
Program: SBC Groundwater **Permit:** WDR 2010-0021

Parameter (Unit)	Date	Sample ID	Result Value	Detection Limit	Code
Temperature (deg C)	11/14/2006	G-33/39035	19.300	0.100	F
Temperature (deg C)	5/25/2007	G-33/39227	19.900	0.100	F
Temperature (deg C)	11/14/2007	G-33/39400	20.950	0.100	F
Temperature (deg C)	5/23/2008	G-33/39591	20.150	0.100	F
Temperature (deg C)	11/ 7/2008	G-33/39759	22.900	0.100	F
Temperature (deg C)	12/ 5/2009	G-33/40152	19.400	0.100	F
Temperature (deg C)	5/20/2010	G-33/40318	20.000	0.100	F
Temperature (deg C)	12/10/2010	G-33/40522	20.200	0.100	F
Temperature (deg C)	5/26/2011	G-33/40689	20.800	0.100	F
Temperature (deg C)	11/11/2011	G-33/40858	19.300	0.100	F
Temperature (deg C)	5/16/2012	G-33/41045	20.700	0.100	F
Temperature (deg C)	10/30/2012	G-33/41212	21.600	0.100	F
Turbidity (Invalid)	8/28/2006	G-33/38957	999.000	1.000	F,H
Turbidity (Invalid)	11/14/2006	G-33/39035	999.000	1.000	F,H
Turbidity (Invalid)	5/25/2007	G-33/39227	76.800	1.000	F
Turbidity (Invalid)	11/14/2007	G-33/39400	441.000	1.000	F
Turbidity (Invalid)	5/23/2008	G-33/39591	916.000	1.000	F
Turbidity (Invalid)	11/ 7/2008	G-33/39759	391.000	1.000	F
Turbidity (Invalid)	12/ 5/2009	G-33/40152	475.000	1.000	F
Turbidity (Invalid)	5/20/2010	G-33/40318	890.000	1.000	F
Turbidity (Invalid)	12/10/2010	G-33/40522	731.000	1.000	F
Turbidity (Invalid)	5/26/2011	G-33/40689	631.000	0.100	F
Turbidity (Invalid)	11/11/2011	G-33/40858	471.000	0.100	F
Turbidity (Invalid)	5/16/2012	G-33/41045	221.000	0.100	F
Turbidity (Invalid)	10/30/2012	G-33/41212	621.000	0.100	F

W-4

Field or Physical Parameters

Dissolved Oxygen (mg/L)	6/15/2000	W-4/36692	1.390	0.010	
Dissolved Oxygen (mg/L)	6/15/2000	W-4/36692	1.220	0.010	
Dissolved Oxygen (mg/L)	6/15/2000	W-4/36692	1.220	0.010	
Dissolved Oxygen (mg/L)	10/ 5/2000	W-4/36804	1.250	0.010	
Dissolved Oxygen (mg/L)	2/16/2001	W-4/36938	1.940	0.010	
Dissolved Oxygen (mg/L)	8/15/2001	W-4/37118	1.040	0.010	
Dissolved Oxygen (mg/L)	1/31/2002	W-4/37287	0.970	0.010	
Dissolved Oxygen (mg/L)	11/13/2002	W-4/37573	0.980	0.010	
Dissolved Oxygen (mg/L)	5/14/2003	W-4/37755	2.010	0.010	
Dissolved Oxygen (mg/L)	11/13/2003	W-4/37938	1.920	0.010	
Dissolved Oxygen (mg/L)	5/11/2004	W-4/38118	0.000	0.010	
Dissolved Oxygen (mg/L)	11/10/2004	W-4/38301	3.330	0.010	
Dissolved Oxygen (mg/L)	5/11/2005	W-4/38483	0.070	0.010	F
Dissolved Oxygen (mg/L)	10/11/2005	W-4/38636	0.360	0.010	F
Dissolved Oxygen (mg/L)	5/11/2006	W-4/38848	0.290	0.010	F
Dissolved Oxygen (mg/L)	11/10/2006	W-4/39031	0.960	0.010	F
Dissolved Oxygen (mg/L)	5/24/2007	W-4/39226	2.200	0.010	F
Dissolved Oxygen (mg/L)	11/14/2007	W-4/39400	1.700	0.010	F
Dissolved Oxygen (mg/L)	5/22/2008	W-4/39590	0.900	0.010	F
Dissolved Oxygen (mg/L)	11/ 6/2008	W-4/39758	2.260	0.010	F
Dissolved Oxygen (mg/L)	6/ 1/2009	W-4/39965	0.800	0.010	F
Dissolved Oxygen (mg/L)	12/15/2009	W-4/40162	2.300	0.010	F
Dissolved Oxygen (mg/L)	5/19/2010	W-4/40317	2.100	0.010	F
Dissolved Oxygen (mg/L)	12/ 8/2010	W-4/40520	2.720	0.010	F
Dissolved Oxygen (mg/L)	5/27/2011	W-4/40690	1.700	0.010	F
Dissolved Oxygen (mg/L)	11/ 8/2011	W-4/40855	2.900	0.010	F

Historical Field Parameters in Class III Area Corrective Action Assessment Monitoring Wells

Company: San Benito County **Data Group:** None
Site: John Smith Road Landfill **Date Range:** All thru 4q12
Program: SBC Groundwater **Permit:** WDR 2010-0021

Parameter (Unit)	Date	Sample ID	Result Value	Detection Limit	Code
Dissolved Oxygen (mg/L)	5/17/2012	W-4/41046	1.900	0.010	F
Dissolved Oxygen (mg/L)	10/31/2012	W-4/41213	2.200	0.010	F
ORP (mV)	5/11/2006	W-4/38848	-61.300	1.000	F
ORP (mV)	5/24/2007	W-4/39226	7.100	1.000	F
ORP (mV)	11/14/2007	W-4/39400	-55.000	1.000	F
ORP (mV)	5/22/2008	W-4/39590	-84.000	0.010	F
ORP (mV)	11/ 6/2008	W-4/39758	-144.000	0.010	F
ORP (mV)	6/ 1/2009	W-4/39965	-141.000	0.010	F
ORP (mV)	12/15/2009	W-4/40162	-135.000	0.010	F
ORP (mV)	5/19/2010	W-4/40317	-132.000	0.010	F
ORP (mV)	12/ 8/2010	W-4/40520	18.000	0.010	F
ORP (mV)	5/27/2011	W-4/40690	201.300	0.010	F
ORP (mV)	11/ 8/2011	W-4/40855	-118.700	0.010	F
ORP (mV)	5/17/2012	W-4/41046	-18.400	0.010	F
ORP (mV)	10/31/2012	W-4/41213	-238.000	0.010	F
pH (s.u.)	3/ 9/1989	W-4/32576	7.310	0.000	
pH (s.u.)	5/ 3/1989	W-4/32631	7.620	0.000	
pH (s.u.)	8/ 3/1989	W-4/32723	7.830	0.000	
pH (s.u.)	11/ 8/1989	W-4/32820	7.180	0.000	
pH (s.u.)	2/ 9/1990	W-4/32913	6.810	0.000	
pH (s.u.)	5/15/1990	W-4/33008	6.910	0.000	
pH (s.u.)	7/18/1990	W-4/33072	6.850	0.000	
pH (s.u.)	11/27/1990	W-4/33204	7.530	0.000	
pH (s.u.)	6/15/2000	W-4/36692	6.590	0.010	
pH (s.u.)	6/15/2000	W-4/36692	6.730	0.010	
pH (s.u.)	10/ 5/2000	W-4/36804	6.790	0.010	
pH (s.u.)	2/16/2001	W-4/36938	6.800	0.010	
pH (s.u.)	8/15/2001	W-4/37118	6.810	0.010	
pH (s.u.)	1/31/2002	W-4/37287	7.130	0.010	F
pH (s.u.)	11/13/2002	W-4/37573	6.780	0.010	F
pH (s.u.)	5/14/2003	W-4/37755	6.790	0.010	F
pH (s.u.)	11/13/2003	W-4/37938	6.780	0.010	F
pH (s.u.)	5/11/2004	W-4/38118	6.720	0.010	F
pH (s.u.)	11/10/2004	W-4/38301	6.760	0.010	F
pH (s.u.)	5/11/2005	W-4/38483	6.640	0.010	F
pH (s.u.)	10/11/2005	W-4/38636	6.850	0.010	F
pH (s.u.)	5/11/2006	W-4/38848	6.650	0.010	F
pH (s.u.)	11/10/2006	W-4/39031	6.780	0.010	F
pH (s.u.)	5/24/2007	W-4/39226	6.720	0.010	F
pH (s.u.)	11/14/2007	W-4/39400	6.830	0.010	F
pH (s.u.)	5/22/2008	W-4/39590	6.670	0.010	F
pH (s.u.)	11/ 6/2008	W-4/39758	7.330	0.010	F
pH (s.u.)	6/ 1/2009	W-4/39965	6.600	0.010	F
pH (s.u.)	12/15/2009	W-4/40162	7.390	0.010	F
pH (s.u.)	5/19/2010	W-4/40317	7.620	0.010	F
pH (s.u.)	12/ 8/2010	W-4/40520	6.910	0.010	F
pH (s.u.)	5/27/2011	W-4/40690	7.100	0.010	F
pH (s.u.)	11/ 8/2011	W-4/40855	7.080	0.010	F
pH (s.u.)	5/17/2012	W-4/41046	6.800	0.010	F
pH (s.u.)	10/31/2012	W-4/41213	7.110	0.010	F
Specific Conductance (µmhos/cm)	3/ 9/1989	W-4/32576	3350.000	0.000	
Specific Conductance (µmhos/cm)	5/ 3/1989	W-4/32631	3400.000	0.000	
Specific Conductance (µmhos/cm)	8/ 3/1989	W-4/32723	3400.000	0.000	
Specific Conductance (µmhos/cm)	11/ 8/1989	W-4/32820	3500.000	0.000	

Historical Field Parameters in Class III Area Corrective Action Assessment Monitoring Wells

Company: San Benito County **Data Group:** None
Site: John Smith Road Landfill **Date Range:** All thru 4q12
Program: SBC Groundwater **Permit:** WDR 2010-0021

Parameter (Unit)	Date	Sample ID	Result Value	Detection Limit	Code
Specific Conductance (µmhos/cm)	2/ 9/1990	W-4/32913	3100.000	0.000	
Specific Conductance (µmhos/cm)	5/15/1990	W-4/33008	3300.000	0.000	
Specific Conductance (µmhos/cm)	7/18/1990	W-4/33072	3600.000	0.000	
Specific Conductance (µmhos/cm)	11/27/1990	W-4/33204	3300.000	0.000	
Specific Conductance (µmhos/cm)	6/15/2000	W-4/36692	4400.000	1.000	
Specific Conductance (µmhos/cm)	6/15/2000	W-4/36692	4920.000	1.000	
Specific Conductance (µmhos/cm)	10/ 5/2000	W-4/36804	4890.000	1.000	
Specific Conductance (µmhos/cm)	2/16/2001	W-4/36938	5160.000	1.000	
Specific Conductance (µmhos/cm)	8/15/2001	W-4/37118	4820.000	1.000	
Specific Conductance (µmhos/cm)	1/31/2002	W-4/37287	4860.000	1.000	F
Specific Conductance (µmhos/cm)	11/13/2002	W-4/37573	5080.000	1.000	F
Specific Conductance (µmhos/cm)	5/14/2003	W-4/37755	4510.000	1.000	F
Specific Conductance (µmhos/cm)	11/13/2003	W-4/37938	5170.000	1.000	F
Specific Conductance (µmhos/cm)	5/11/2004	W-4/38118	5160.000	1.000	F
Specific Conductance (µmhos/cm)	11/10/2004	W-4/38301	4230.000	1.000	F
Specific Conductance (µmhos/cm)	5/11/2005	W-4/38483	5130.000	1.000	F
Specific Conductance (µmhos/cm)	10/11/2005	W-4/38636	4660.000	1.000	F
Specific Conductance (µmhos/cm)	5/11/2006	W-4/38848	4919.000	1.000	F
Specific Conductance (µmhos/cm)	11/10/2006	W-4/39031	4646.000	1.000	F
Specific Conductance (µmhos/cm)	11/14/2007	W-4/39400	4682.000	1.000	F
Specific Conductance (µmhos/cm)	5/22/2008	W-4/39590	4823.000	1.000	F
Specific Conductance (µmhos/cm)	11/ 6/2008	W-4/39758	4558.000	1.000	F
Specific Conductance (µmhos/cm)	6/ 1/2009	W-4/39965	5503.000	1.000	F
Specific Conductance (µmhos/cm)	12/15/2009	W-4/40162	4344.000	1.000	F
Specific Conductance (µmhos/cm)	5/19/2010	W-4/40317	4707.000	1.000	F
Specific Conductance (µmhos/cm)	12/ 8/2010	W-4/40520	4400.000	1.000	F
Specific Conductance (µmhos/cm)	5/27/2011	W-4/40690	3784.000	1.000	F
Specific Conductance (µmhos/cm)	11/ 8/2011	W-4/40855	4278.000	1.000	F
Specific Conductance (µmhos/cm)	5/17/2012	W-4/41046	4387.000	1.000	F
Specific Conductance (µmhos/cm)	10/31/2012	W-4/41213	4159.000	1.000	F
Temperature (deg C)	6/15/2000	W-4/36692	22.000	0.100	
Temperature (deg C)	6/15/2000	W-4/36692	21.100	0.100	
Temperature (deg C)	10/ 5/2000	W-4/36804	21.200	0.100	
Temperature (deg C)	2/16/2001	W-4/36938	19.900	0.100	
Temperature (deg C)	8/15/2001	W-4/37118	21.600	0.100	
Temperature (deg C)	1/31/2002	W-4/37287	20.000	0.100	
Temperature (deg C)	11/13/2002	W-4/37573	20.500	0.100	
Temperature (deg C)	5/14/2003	W-4/37755	22.100	0.100	
Temperature (deg C)	11/13/2003	W-4/37938	22.700	0.100	
Temperature (deg C)	5/11/2004	W-4/38118	21.500	0.100	
Temperature (deg C)	11/10/2004	W-4/38301	21.100	0.100	
Temperature (deg C)	5/11/2005	W-4/38483	20.900	0.100	F
Temperature (deg C)	10/11/2005	W-4/38636	21.300	0.100	F
Temperature (deg C)	5/11/2006	W-4/38848	23.260	0.100	F
Temperature (deg C)	11/10/2006	W-4/39031	21.310	0.100	F
Temperature (deg C)	5/24/2007	W-4/39226	22.430	0.100	F
Temperature (deg C)	11/14/2007	W-4/39400	21.240	0.100	F
Temperature (deg C)	5/22/2008	W-4/39590	21.860	0.100	F
Temperature (deg C)	11/ 6/2008	W-4/39758	21.700	0.100	F
Temperature (deg C)	6/ 1/2009	W-4/39965	21.300	0.100	F
Temperature (deg C)	12/15/2009	W-4/40162	20.200	0.100	F
Temperature (deg C)	5/19/2010	W-4/40317	20.900	0.100	F
Temperature (deg C)	12/ 8/2010	W-4/40520	20.000	0.100	F
Temperature (deg C)	5/27/2011	W-4/40690	21.500	0.100	F

Historical Field Parameters in Class III Area Corrective Action Assessment Monitoring Wells

Company: San Benito County **Data Group:** None
Site: John Smith Road Landfill **Date Range:** All thru 4q12
Program: SBC Groundwater **Permit:** WDR 2010-0021

Parameter (Unit)	Date	Sample ID	Result Value	Detection Limit	Code
Temperature (deg C)	11/ 8/2011	W-4/40855	20.900	0.100	F
Temperature (deg C)	5/17/2012	W-4/41046	20.400	0.100	F
Temperature (deg C)	10/31/2012	W-4/41213	20.500	0.100	F
Turbidity (Invalid)	3/ 9/1989	W-4/32576	6.000	0.000	
Turbidity (Invalid)	5/ 3/1989	W-4/32631	30.000	0.000	
Turbidity (Invalid)	8/ 3/1989	W-4/32723	13.000	0.000	
Turbidity (Invalid)	11/ 8/1989	W-4/32820	31.300	0.000	
Turbidity (Invalid)	2/ 9/1990	W-4/32913	1.200	0.000	
Turbidity (Invalid)	5/15/1990	W-4/33008	2.240	0.000	
Turbidity (Invalid)	7/18/1990	W-4/33072	1.000	0.000	
Turbidity (Invalid)	11/27/1990	W-4/33204	33.000	0.000	
Turbidity (Invalid)	6/15/2000	W-4/36692	187.000	1.000	
Turbidity (Invalid)	6/15/2000	W-4/36692	1.000	1.000	
Turbidity (Invalid)	10/ 5/2000	W-4/36804	1.000	1.000	
Turbidity (Invalid)	2/16/2001	W-4/36938	5.000	1.000	
Turbidity (Invalid)	8/15/2001	W-4/37118	4.000	1.000	
Turbidity (Invalid)	1/31/2002	W-4/37287	1.000	1.000	
Turbidity (Invalid)	11/13/2002	W-4/37573	0.000	1.000	
Turbidity (Invalid)	5/14/2003	W-4/37755	10.000	1.000	
Turbidity (Invalid)	11/13/2003	W-4/37938	51.000	1.000	
Turbidity (Invalid)	5/11/2004	W-4/38118	0.000	1.000	
Turbidity (Invalid)	11/10/2004	W-4/38301	101.000	1.000	
Turbidity (Invalid)	5/11/2005	W-4/38483	0.000	1.000	F
Turbidity (Invalid)	10/11/2005	W-4/38636	8.000	1.000	F
Turbidity (Invalid)	5/11/2006	W-4/38848	0.000	1.000	F
Turbidity (Invalid)	11/10/2006	W-4/39031	0.000	1.000	F
Turbidity (Invalid)	5/24/2007	W-4/39226	5.680	1.000	F
Turbidity (Invalid)	11/14/2007	W-4/39400	0.000	1.000	F
Turbidity (Invalid)	5/22/2008	W-4/39590	1.400	1.000	F
Turbidity (Invalid)	11/ 6/2008	W-4/39758	21.000	1.000	F
Turbidity (Invalid)	6/ 1/2009	W-4/39965	8.000	1.000	F
Turbidity (Invalid)	12/15/2009	W-4/40162	19.000	1.000	F
Turbidity (Invalid)	5/19/2010	W-4/40317	19.000	1.000	F
Turbidity (Invalid)	5/27/2011	W-4/40690	4.000	0.100	F
Turbidity (Invalid)	11/ 8/2011	W-4/40855	5.000	0.100	F
Turbidity (Invalid)	5/17/2012	W-4/41046	11.000	0.100	F
Turbidity (Invalid)	10/31/2012	W-4/41213	7.000	0.100	F

W-5

Field or Physical Parameters

Dissolved Oxygen (mg/L)	6/14/2000	W-5/36691	4.730	0.010	
Dissolved Oxygen (mg/L)	6/14/2000	W-5/36691	4.460	0.010	
Dissolved Oxygen (mg/L)	6/14/2000	W-5/36691	4.460	0.010	
Dissolved Oxygen (mg/L)	11/12/2002	W-5/37572	3.520	0.010	
Dissolved Oxygen (mg/L)	5/14/2003	W-5/37755	2.370	0.010	
Dissolved Oxygen (mg/L)	11/13/2003	W-5/37938	2.020	0.010	
Dissolved Oxygen (mg/L)	5/11/2004	W-5/38118	0.390	0.010	
Dissolved Oxygen (mg/L)	11/10/2004	W-5/38301	3.390	0.010	
Dissolved Oxygen (mg/L)	5/17/2005	W-5/38489	0.000	0.010	F
Dissolved Oxygen (mg/L)	10/11/2005	W-5/38636	0.430	0.010	F
Dissolved Oxygen (mg/L)	5/11/2006	W-5/38848	0.180	0.010	F
Dissolved Oxygen (mg/L)	11/10/2006	W-5/39031	1.300	0.010	F
Dissolved Oxygen (mg/L)	5/24/2007	W-5/39226	1.400	0.010	F
Dissolved Oxygen (mg/L)	11/14/2007	W-5/39400	1.200	0.010	F

Historical Field Parameters in Class III Area Corrective Action Assessment Monitoring Wells

Company: San Benito County **Data Group:** None
Site: John Smith Road Landfill **Date Range:** All thru 4q12
Program: SBC Groundwater **Permit:** WDR 2010-0021

Parameter (Unit)	Date	Sample ID	Result Value	Detection Limit	Code
Dissolved Oxygen (mg/L)	5/22/2008	W-5/39590	0.510	0.010	F
Dissolved Oxygen (mg/L)	11/ 6/2008	W-5/39758	0.390	0.010	F
Dissolved Oxygen (mg/L)	6/ 1/2009	W-5/39965	1.000	0.010	F
Dissolved Oxygen (mg/L)	12/18/2009	W-5/40165	0.400	0.010	F
Dissolved Oxygen (mg/L)	5/19/2010	W-5/40317	0.500	0.010	F
Dissolved Oxygen (mg/L)	12/ 8/2010	W-5/40520	1.380	0.010	F
Dissolved Oxygen (mg/L)	5/27/2011	W-5/40690	1.400	0.010	F
Dissolved Oxygen (mg/L)	11/ 8/2011	W-5/40855	2.150	0.010	F
Dissolved Oxygen (mg/L)	5/17/2012	W-5/41046	1.300	0.010	F
Dissolved Oxygen (mg/L)	10/31/2012	W-5/41213	1.700	0.010	F
ORP (mV)	5/11/2006	W-5/38848	-193.400	1.000	F
ORP (mV)	5/24/2007	W-5/39226	-63.600	1.000	F
ORP (mV)	11/14/2007	W-5/39400	-47.000	1.000	F
ORP (mV)	5/22/2008	W-5/39590	-20.000	0.010	F
ORP (mV)	11/ 6/2008	W-5/39758	-42.000	0.010	F
ORP (mV)	6/ 1/2009	W-5/39965	-53.000	0.010	F
ORP (mV)	12/18/2009	W-5/40165	-41.000	0.010	F
ORP (mV)	5/19/2010	W-5/40317	-33.000	0.010	F
ORP (mV)	12/ 8/2010	W-5/40520	30.500	0.010	F
ORP (mV)	5/27/2011	W-5/40690	144.300	0.010	F
ORP (mV)	11/ 8/2011	W-5/40855	54.800	0.010	F
ORP (mV)	5/17/2012	W-5/41046	-75.400	0.010	F
ORP (mV)	10/31/2012	W-5/41213	-143.000	0.010	F
pH (s.u.)	3/ 7/1989	W-5/32574	8.200	0.000	
pH (s.u.)	5/ 3/1989	W-5/32631	8.130	0.000	
pH (s.u.)	8/ 2/1989	W-5/32722	7.630	0.000	
pH (s.u.)	11/ 7/1989	W-5/32819	8.190	0.000	
pH (s.u.)	2/13/1990	W-5/32917	8.000	0.000	
pH (s.u.)	5/14/1990	W-5/33007	7.920	0.000	
pH (s.u.)	7/18/1990	W-5/33072	8.200	0.000	
pH (s.u.)	11/30/1990	W-5/33207	7.870	0.000	
pH (s.u.)	1/16/1991	W-5/33254	7.440	0.000	
pH (s.u.)	3/ 8/1991	W-5/33305	8.150	0.000	
pH (s.u.)	6/ 6/1991	W-5/33395	7.460	0.000	
pH (s.u.)	8/16/1991	W-5/33466	6.810	0.000	
pH (s.u.)	6/14/2000	W-5/36691	7.320	0.010	
pH (s.u.)	6/14/2000	W-5/36691	7.410	0.010	
pH (s.u.)	6/14/2000	W-5/36691	7.410	0.010	
pH (s.u.)	11/12/2002	W-5/37572	7.500	0.010	F
pH (s.u.)	5/14/2003	W-5/37755	7.560	0.010	F
pH (s.u.)	11/13/2003	W-5/37938	7.470	0.010	F
pH (s.u.)	5/11/2004	W-5/38118	7.370	0.010	F
pH (s.u.)	11/10/2004	W-5/38301	7.460	0.010	F
pH (s.u.)	5/17/2005	W-5/38489	7.380	0.010	F
pH (s.u.)	10/11/2005	W-5/38636	7.570	0.010	F
pH (s.u.)	5/11/2006	W-5/38848	7.380	0.010	F
pH (s.u.)	11/10/2006	W-5/39031	7.340	0.010	F
pH (s.u.)	5/24/2007	W-5/39226	7.460	0.010	F
pH (s.u.)	11/14/2007	W-5/39400	7.620	0.010	F
pH (s.u.)	5/22/2008	W-5/39590	7.450	0.010	F
pH (s.u.)	11/ 6/2008	W-5/39758	8.200	0.010	F
pH (s.u.)	6/ 1/2009	W-5/39965	7.320	0.010	F
pH (s.u.)	12/18/2009	W-5/40165	8.090	0.010	F
pH (s.u.)	5/19/2010	W-5/40317	8.110	0.010	F

Historical Field Parameters in Class III Area Corrective Action Assessment Monitoring Wells

Company: San Benito County **Data Group:** None
Site: John Smith Road Landfill **Date Range:** All thru 4q12
Program: SBC Groundwater **Permit:** WDR 2010-0021

Parameter (Unit)	Date	Sample ID	Result Value	Detection Limit	Code
pH (s.u.)	12/ 8/2010	W-5/40520	7.220	0.010	F
pH (s.u.)	5/27/2011	W-5/40690	8.250	0.010	F
pH (s.u.)	11/ 8/2011	W-5/40855	8.070	0.010	F
pH (s.u.)	5/17/2012	W-5/41046	7.660	0.010	F
pH (s.u.)	10/31/2012	W-5/41213	7.680	0.010	F
Specific Conductance (µmhos/cm)	3/ 7/1989	W-5/32574	1500.000	0.000	
Specific Conductance (µmhos/cm)	5/ 3/1989	W-5/32631	1600.000	0.000	
Specific Conductance (µmhos/cm)	8/ 2/1989	W-5/32722	1600.000	0.000	
Specific Conductance (µmhos/cm)	11/ 7/1989	W-5/32819	1500.000	0.000	
Specific Conductance (µmhos/cm)	2/13/1990	W-5/32917	1300.000	0.000	
Specific Conductance (µmhos/cm)	5/14/1990	W-5/33007	1550.000	0.000	
Specific Conductance (µmhos/cm)	7/18/1990	W-5/33072	1600.000	0.000	
Specific Conductance (µmhos/cm)	11/30/1990	W-5/33207	1500.000	0.000	
Specific Conductance (µmhos/cm)	3/ 8/1991	W-5/33305	1590.000	0.000	
Specific Conductance (µmhos/cm)	6/ 6/1991	W-5/33395	1500.000	0.000	
Specific Conductance (µmhos/cm)	8/16/1991	W-5/33466	1600.000	0.000	
Specific Conductance (µmhos/cm)	6/14/2000	W-5/36691	1950.000	1.000	
Specific Conductance (µmhos/cm)	6/14/2000	W-5/36691	1910.000	1.000	
Specific Conductance (µmhos/cm)	6/14/2000	W-5/36691	1910.000	1.000	
Specific Conductance (µmhos/cm)	11/12/2002	W-5/37572	1850.000	1.000	F
Specific Conductance (µmhos/cm)	5/14/2003	W-5/37755	1890.000	1.000	F
Specific Conductance (µmhos/cm)	11/13/2003	W-5/37938	2090.000	1.000	F
Specific Conductance (µmhos/cm)	5/11/2004	W-5/38118	2070.000	1.000	F
Specific Conductance (µmhos/cm)	11/10/2004	W-5/38301	1670.000	1.000	F
Specific Conductance (µmhos/cm)	5/17/2005	W-5/38489	1910.000	1.000	F
Specific Conductance (µmhos/cm)	10/11/2005	W-5/38636	1960.000	1.000	F
Specific Conductance (µmhos/cm)	5/11/2006	W-5/38848	1983.000	1.000	F
Specific Conductance (µmhos/cm)	11/10/2006	W-5/39031	1873.000	1.000	F
Specific Conductance (µmhos/cm)	5/24/2007	W-5/39226	1877.000	1.000	F
Specific Conductance (µmhos/cm)	11/14/2007	W-5/39400	1933.000	1.000	F
Specific Conductance (µmhos/cm)	5/22/2008	W-5/39590	1966.000	1.000	F
Specific Conductance (µmhos/cm)	11/ 6/2008	W-5/39758	1884.000	1.000	F
Specific Conductance (µmhos/cm)	6/ 1/2009	W-5/39965	2312.000	1.000	F
Specific Conductance (µmhos/cm)	12/18/2009	W-5/40165	1870.000	1.000	F
Specific Conductance (µmhos/cm)	5/19/2010	W-5/40317	1797.000	1.000	F
Specific Conductance (µmhos/cm)	12/ 8/2010	W-5/40520	1818.000	1.000	F
Specific Conductance (µmhos/cm)	5/27/2011	W-5/40690	1522.000	1.000	F
Specific Conductance (µmhos/cm)	11/ 8/2011	W-5/40855	1793.000	1.000	F
Specific Conductance (µmhos/cm)	5/17/2012	W-5/41046	1757.000	1.000	F
Specific Conductance (µmhos/cm)	10/31/2012	W-5/41213	1701.000	1.000	F
Temperature (deg C)	6/14/2000	W-5/36691	22.800	0.100	
Temperature (deg C)	6/14/2000	W-5/36691	20.900	0.100	
Temperature (deg C)	6/14/2000	W-5/36691	20.900	0.100	
Temperature (deg C)	11/12/2002	W-5/37572	21.100	0.100	
Temperature (deg C)	5/14/2003	W-5/37755	23.600	0.100	
Temperature (deg C)	11/13/2003	W-5/37938	24.900	0.100	
Temperature (deg C)	5/11/2004	W-5/38118	23.200	0.100	
Temperature (deg C)	11/10/2004	W-5/38301	22.600	0.100	
Temperature (deg C)	5/17/2005	W-5/38489	21.800	0.100	F
Temperature (deg C)	10/11/2005	W-5/38636	22.600	0.100	F
Temperature (deg C)	5/11/2006	W-5/38848	24.580	0.100	F
Temperature (deg C)	11/10/2006	W-5/39031	22.340	0.100	F
Temperature (deg C)	5/24/2007	W-5/39226	23.010	0.100	F
Temperature (deg C)	11/14/2007	W-5/39400	22.160	0.100	F

Historical Field Parameters in Class III Area Corrective Action Assessment Monitoring Wells

Company: San Benito County **Data Group:** None
Site: John Smith Road Landfill **Date Range:** All thru 4q12
Program: SBC Groundwater **Permit:** WDR 2010-0021

Parameter (Unit)	Date	Sample ID	Result Value	Detection Limit	Code
Temperature (deg C)	5/22/2008	W-5/39590	22.860	0.100	F
Temperature (deg C)	11/ 6/2008	W-5/39758	27.900	0.100	F
Temperature (deg C)	6/ 1/2009	W-5/39965	22.700	0.100	F
Temperature (deg C)	12/18/2009	W-5/40165	20.000	0.100	F
Temperature (deg C)	5/19/2010	W-5/40317	19.500	0.100	F
Temperature (deg C)	12/ 8/2010	W-5/40520	22.100	0.100	F
Temperature (deg C)	5/27/2011	W-5/40690	21.300	0.100	F
Temperature (deg C)	11/ 8/2011	W-5/40855	22.600	0.100	F
Temperature (deg C)	5/17/2012	W-5/41046	22.800	0.100	F
Temperature (deg C)	10/31/2012	W-5/41213	22.100	0.100	F
Turbidity (Invalid)	3/ 7/1989	W-5/32574	78.000	0.000	
Turbidity (Invalid)	5/ 3/1989	W-5/32631	30.000	0.000	
Turbidity (Invalid)	8/ 2/1989	W-5/32722	21.000	0.000	
Turbidity (Invalid)	11/ 7/1989	W-5/32819	200.000	0.000	
Turbidity (Invalid)	2/13/1990	W-5/32917	19.580	0.000	
Turbidity (Invalid)	5/14/1990	W-5/33007	44.300	0.000	
Turbidity (Invalid)	7/18/1990	W-5/33072	9.000	0.000	
Turbidity (Invalid)	11/30/1990	W-5/33207	53.000	0.000	
Turbidity (Invalid)	1/16/1991	W-5/33254	6.730	0.000	
Turbidity (Invalid)	3/ 8/1991	W-5/33305	200.000	0.000	
Turbidity (Invalid)	6/ 6/1991	W-5/33395	161.600	0.000	
Turbidity (Invalid)	8/16/1991	W-5/33466	8.350	0.000	
Turbidity (Invalid)	6/14/2000	W-5/36691	7.000	1.000	
Turbidity (Invalid)	6/14/2000	W-5/36691	17.000	1.000	
Turbidity (Invalid)	6/14/2000	W-5/36691	17.000	1.000	
Turbidity (Invalid)	11/12/2002	W-5/37572	10.000	1.000	
Turbidity (Invalid)	5/14/2003	W-5/37755	5.000	1.000	
Turbidity (Invalid)	11/13/2003	W-5/37938	7.000	1.000	
Turbidity (Invalid)	5/11/2004	W-5/38118	0.000	1.000	
Turbidity (Invalid)	11/10/2004	W-5/38301	0.000	1.000	
Turbidity (Invalid)	5/17/2005	W-5/38489	0.000	1.000	F
Turbidity (Invalid)	10/11/2005	W-5/38636	3.000	1.000	F
Turbidity (Invalid)	5/11/2006	W-5/38848	0.000	1.000	F
Turbidity (Invalid)	11/10/2006	W-5/39031	1.830	1.000	F
Turbidity (Invalid)	5/24/2007	W-5/39226	0.000	1.000	F
Turbidity (Invalid)	11/14/2007	W-5/39400	0.000	1.000	F
Turbidity (Invalid)	5/22/2008	W-5/39590	3.000	1.000	F
Turbidity (Invalid)	11/ 6/2008	W-5/39758	8.000	1.000	F
Turbidity (Invalid)	6/ 1/2009	W-5/39965	7.000	1.000	F
Turbidity (Invalid)	12/18/2009	W-5/40165	10.000	1.000	F
Turbidity (Invalid)	5/19/2010	W-5/40317	15.000	1.000	F
Turbidity (Invalid)	5/27/2011	W-5/40690	4.000	0.100	F
Turbidity (Invalid)	11/ 8/2011	W-5/40855	7.000	0.100	F
Turbidity (Invalid)	5/17/2012	W-5/41046	9.000	0.100	F
Turbidity (Invalid)	10/31/2012	W-5/41213	9.000	0.100	F

WA-10

Field or Physical Parameters

Dissolved Oxygen (mg/L)	6/14/2000	WA-10/36691	1.680	0.010
Dissolved Oxygen (mg/L)	6/14/2000	WA-10/36691	1.630	0.010
Dissolved Oxygen (mg/L)	6/14/2000	WA-10/36691	1.630	0.010
Dissolved Oxygen (mg/L)	2/15/2001	WA-10/36937	3.600	0.010
Dissolved Oxygen (mg/L)	8/14/2001	WA-10/37117	1.950	0.010
Dissolved Oxygen (mg/L)	1/30/2002	WA-10/37286	4.300	0.100

Historical Field Parameters in Class III Area Corrective Action Assessment Monitoring Wells

Company: San Benito County **Data Group:** None
Site: John Smith Road Landfill **Date Range:** All thru 4q12
Program: SBC Groundwater **Permit:** WDR 2010-0021

Parameter (Unit)	Date	Sample ID	Result Value	Detection Limit	Code
Dissolved Oxygen (mg/L)	11/13/2002	WA-10/37573	1.730	0.100	
Dissolved Oxygen (mg/L)	5/15/2003	WA-10/37756	0.740	0.100	
Dissolved Oxygen (mg/L)	11/12/2003	WA-10/37937	2.080	0.100	
Dissolved Oxygen (mg/L)	5/12/2004	WA-10/38119	0.680	0.100	
Dissolved Oxygen (mg/L)	11/ 9/2004	WA-10/38300	4.370	0.100	
Dissolved Oxygen (mg/L)	5/19/2005	WA-10/38491	0.340	0.100	F
Dissolved Oxygen (mg/L)	10/12/2005	WA-10/38637	0.220	0.100	F
Dissolved Oxygen (mg/L)	5/ 9/2006	WA-10/38846	0.340	0.100	F
Dissolved Oxygen (mg/L)	11/14/2006	WA-10/39035	0.760	0.100	F
Dissolved Oxygen (mg/L)	5/25/2007	WA-10/39227	1.000	0.010	F
Dissolved Oxygen (mg/L)	11/15/2007	WA-10/39401	0.600	0.010	F
Dissolved Oxygen (mg/L)	5/23/2008	WA-10/39591	0.500	0.010	F
Dissolved Oxygen (mg/L)	11/ 5/2008	WA-10/39757	0.460	0.010	F
Dissolved Oxygen (mg/L)	5/26/2009	WA-10/39959	0.500	0.010	F
Dissolved Oxygen (mg/L)	12/15/2009	WA-10/40162	0.500	0.010	F
Dissolved Oxygen (mg/L)	5/18/2010	WA-10/40316	4.100	0.010	F
Dissolved Oxygen (mg/L)	12/ 7/2010	WA-10/40519	1.450	0.010	F
Dissolved Oxygen (mg/L)	5/25/2011	WA-10/40688	1.500	0.010	F
Dissolved Oxygen (mg/L)	11/ 9/2011	WA-10/40856	1.600	0.010	F
Dissolved Oxygen (mg/L)	5/18/2012	WA-10/41047	1.300	0.010	F
Dissolved Oxygen (mg/L)	11/ 1/2012	WA-10/41214	1.400	0.010	F
ORP (mV)	5/ 8/2006	WA-10/38845	-224.600	1.000	F
ORP (mV)	5/25/2007	WA-10/39227	-209.600	1.000	F
ORP (mV)	11/15/2007	WA-10/39401	-132.000	1.000	F
ORP (mV)	5/23/2008	WA-10/39591	-65.000	0.010	F
ORP (mV)	11/ 5/2008	WA-10/39757	-116.000	0.010	F
ORP (mV)	5/26/2009	WA-10/39959	11.000	0.010	F
ORP (mV)	12/15/2009	WA-10/40162	-110.000	0.010	F
ORP (mV)	5/18/2010	WA-10/40316	-7.000	0.010	F
ORP (mV)	12/ 7/2010	WA-10/40519	3.500	0.010	F
ORP (mV)	11/ 9/2011	WA-10/40856	-83.900	0.010	F
ORP (mV)	5/18/2012	WA-10/41047	-85.400	0.010	F
ORP (mV)	11/ 1/2012	WA-10/41214	-151.000	0.010	F
pH (s.u.)	3/ 1/1989	WA-10/32568	7.780	0.000	
pH (s.u.)	5/ 1/1989	WA-10/32629	7.320	0.000	
pH (s.u.)	8/ 1/1989	WA-10/32721	7.140	0.000	
pH (s.u.)	11/ 7/1989	WA-10/32819	7.290	0.000	
pH (s.u.)	11/25/1991	WA-10/33567	7.000	0.000	
pH (s.u.)	6/14/2000	WA-10/36691	7.200	0.010	
pH (s.u.)	6/14/2000	WA-10/36691	7.270	0.010	
pH (s.u.)	6/14/2000	WA-10/36691	7.270	0.010	
pH (s.u.)	2/15/2001	WA-10/36937	7.380	0.010	
pH (s.u.)	8/14/2001	WA-10/37117	7.450	0.010	
pH (s.u.)	1/30/2002	WA-10/37286	7.020	0.010	F
pH (s.u.)	11/13/2002	WA-10/37573	7.460	0.010	F
pH (s.u.)	5/15/2003	WA-10/37756	7.430	0.010	F
pH (s.u.)	11/12/2003	WA-10/37937	7.430	0.010	F
pH (s.u.)	5/12/2004	WA-10/38119	7.500	0.010	F
pH (s.u.)	11/ 9/2004	WA-10/38300	7.400	0.010	F
pH (s.u.)	5/19/2005	WA-10/38491	7.480	0.010	F
pH (s.u.)	10/12/2005	WA-10/38637	7.780	0.010	F
pH (s.u.)	5/ 9/2006	WA-10/38846	7.340	0.010	F
pH (s.u.)	11/14/2006	WA-10/39035	7.570	0.010	F
pH (s.u.)	5/25/2007	WA-10/39227	7.450	0.010	F

Historical Field Parameters in Class III Area Corrective Action Assessment Monitoring Wells

Company: San Benito County **Data Group:** None
Site: John Smith Road Landfill **Date Range:** All thru 4q12
Program: SBC Groundwater **Permit:** WDR 2010-0021

Parameter (Unit)	Date	Sample ID	Result Value	Detection Limit	Code
pH (s.u.)	11/15/2007	WA-10/39401	7.550	0.010	F
pH (s.u.)	5/23/2008	WA-10/39591	7.400	0.010	F
pH (s.u.)	11/ 5/2008	WA-10/39757	8.210	0.010	F
pH (s.u.)	5/26/2009	WA-10/39959	7.390	0.010	F
pH (s.u.)	12/15/2009	WA-10/40162	7.890	0.010	F
pH (s.u.)	5/18/2010	WA-10/40316	8.590	0.010	F
pH (s.u.)	12/ 7/2010	WA-10/40519	7.380	0.010	F
pH (s.u.)	5/25/2011	WA-10/40688	7.750	0.010	F
pH (s.u.)	11/ 9/2011	WA-10/40856	7.810	0.010	F
pH (s.u.)	5/18/2012	WA-10/41047	7.720	0.010	F
pH (s.u.)	11/ 1/2012	WA-10/41214	7.440	0.010	F
Specific Conductance (µmhos/cm)	3/ 1/1989	WA-10/32568	6000.000	0.000	
Specific Conductance (µmhos/cm)	5/ 1/1989	WA-10/32629	6000.000	0.000	
Specific Conductance (µmhos/cm)	8/ 1/1989	WA-10/32721	5500.000	0.000	
Specific Conductance (µmhos/cm)	11/ 7/1989	WA-10/32819	5440.000	0.000	
Specific Conductance (µmhos/cm)	11/25/1991	WA-10/33567	4900.000	0.000	
Specific Conductance (µmhos/cm)	6/14/2000	WA-10/36691	4810.000	1.000	
Specific Conductance (µmhos/cm)	6/14/2000	WA-10/36691	4460.000	1.000	
Specific Conductance (µmhos/cm)	6/14/2000	WA-10/36691	4460.000	1.000	
Specific Conductance (µmhos/cm)	2/15/2001	WA-10/36937	5090.000	1.000	
Specific Conductance (µmhos/cm)	8/14/2001	WA-10/37117	4170.000	1.000	
Specific Conductance (µmhos/cm)	1/30/2002	WA-10/37286	4360.000	1.000	F
Specific Conductance (µmhos/cm)	11/13/2002	WA-10/37573	4300.000	1.000	F
Specific Conductance (µmhos/cm)	5/15/2003	WA-10/37756	4090.000	1.000	F
Specific Conductance (µmhos/cm)	11/12/2003	WA-10/37937	4240.000	1.000	F
Specific Conductance (µmhos/cm)	5/12/2004	WA-10/38119	4540.000	1.000	F
Specific Conductance (µmhos/cm)	11/ 9/2004	WA-10/38300	4110.000	1.000	F
Specific Conductance (µmhos/cm)	5/19/2005	WA-10/38491	4200.000	1.000	F
Specific Conductance (µmhos/cm)	10/12/2005	WA-10/38637	3960.000	1.000	F
Specific Conductance (µmhos/cm)	5/ 9/2006	WA-10/38846	4231.000	1.000	F
Specific Conductance (µmhos/cm)	11/14/2006	WA-10/39035	5220.000	1.000	F
Specific Conductance (µmhos/cm)	5/25/2007	WA-10/39227	3753.000	1.000	F
Specific Conductance (µmhos/cm)	11/15/2007	WA-10/39401	3692.000	1.000	F
Specific Conductance (µmhos/cm)	5/23/2008	WA-10/39591	3652.000	1.000	F
Specific Conductance (µmhos/cm)	11/ 5/2008	WA-10/39757	3650.000	1.000	F
Specific Conductance (µmhos/cm)	5/26/2009	WA-10/39959	3813.000	1.000	F
Specific Conductance (µmhos/cm)	12/15/2009	WA-10/40162	3411.000	1.000	F
Specific Conductance (µmhos/cm)	5/18/2010	WA-10/40316	4237.000	1.000	F
Specific Conductance (µmhos/cm)	12/ 7/2010	WA-10/40519	3510.000	1.000	F
Specific Conductance (µmhos/cm)	5/25/2011	WA-10/40688	2780.000	1.000	F
Specific Conductance (µmhos/cm)	11/ 9/2011	WA-10/40856	3272.000	1.000	F
Specific Conductance (µmhos/cm)	5/18/2012	WA-10/41047	3406.000	1.000	F
Specific Conductance (µmhos/cm)	11/ 1/2012	WA-10/41214	3359.000	1.000	F
Temperature (deg C)	6/14/2000	WA-10/36691	20.300	0.100	
Temperature (deg C)	6/14/2000	WA-10/36691	18.900	0.100	
Temperature (deg C)	6/14/2000	WA-10/36691	18.900	0.100	
Temperature (deg C)	2/15/2001	WA-10/36937	18.900	0.100	
Temperature (deg C)	8/14/2001	WA-10/37117	19.800	0.100	
Temperature (deg C)	1/30/2002	WA-10/37286	19.300	0.100	
Temperature (deg C)	11/13/2002	WA-10/37573	21.100	0.100	
Temperature (deg C)	5/15/2003	WA-10/37756	19.500	0.100	
Temperature (deg C)	11/12/2003	WA-10/37937	20.100	0.100	
Temperature (deg C)	5/12/2004	WA-10/38119	22.500	0.100	
Temperature (deg C)	11/ 9/2004	WA-10/38300	19.300	0.100	

Historical Field Parameters in Class III Area Corrective Action Assessment Monitoring Wells

Company: San Benito County **Data Group:** None
Site: John Smith Road Landfill **Date Range:** All thru 4q12
Program: SBC Groundwater **Permit:** WDR 2010-0021

Parameter (Unit)	Date	Sample ID	Result Value	Detection Limit	Code
Temperature (deg C)	5/19/2005	WA-10/38491	20.400	0.100	F
Temperature (deg C)	10/12/2005	WA-10/38637	21.200	0.100	F
Temperature (deg C)	5/ 9/2006	WA-10/38846	20.870	0.100	F
Temperature (deg C)	11/14/2006	WA-10/39035	20.300	0.100	F
Temperature (deg C)	5/25/2007	WA-10/39227	19.650	0.100	F
Temperature (deg C)	11/15/2007	WA-10/39401	20.140	0.100	F
Temperature (deg C)	5/23/2008	WA-10/39591	19.320	0.100	F
Temperature (deg C)	11/ 5/2008	WA-10/39757	19.600	0.100	F
Temperature (deg C)	5/26/2009	WA-10/39959	21.100	0.100	F
Temperature (deg C)	12/15/2009	WA-10/40162	17.900	0.100	F
Temperature (deg C)	5/18/2010	WA-10/40316	19.600	0.100	F
Temperature (deg C)	12/ 7/2010	WA-10/40519	20.100	0.100	F
Temperature (deg C)	5/25/2011	WA-10/40688	19.300	0.100	F
Temperature (deg C)	11/ 9/2011	WA-10/40856	19.800	0.100	F
Temperature (deg C)	5/18/2012	WA-10/41047	19.500	0.100	F
Temperature (deg C)	11/ 1/2012	WA-10/41214	19.500	0.100	F
Turbidity (Invalid)	11/25/1991	WA-10/33567	1.980	0.000	
Turbidity (Invalid)	6/14/2000	WA-10/36691	1.000	1.000	
Turbidity (Invalid)	6/14/2000	WA-10/36691	4.000	1.000	
Turbidity (Invalid)	6/14/2000	WA-10/36691	4.000	1.000	
Turbidity (Invalid)	2/15/2001	WA-10/36937	0.000	1.000	
Turbidity (Invalid)	8/14/2001	WA-10/37117	1.000	1.000	
Turbidity (Invalid)	1/30/2002	WA-10/37286	0.000	1.000	
Turbidity (Invalid)	11/13/2002	WA-10/37573	75.000	1.000	
Turbidity (Invalid)	5/15/2003	WA-10/37756	13.000	1.000	
Turbidity (Invalid)	11/12/2003	WA-10/37937	9.000	1.000	
Turbidity (Invalid)	5/12/2004	WA-10/38119	0.000	1.000	
Turbidity (Invalid)	11/ 9/2004	WA-10/38300	61.000	1.000	
Turbidity (Invalid)	5/19/2005	WA-10/38491	21.000	1.000	F
Turbidity (Invalid)	10/12/2005	WA-10/38637	318.000	1.000	F
Turbidity (Invalid)	5/ 9/2006	WA-10/38846	33.000	1.000	F
Turbidity (Invalid)	11/14/2006	WA-10/39035	128.000	1.000	F
Turbidity (Invalid)	5/25/2007	WA-10/39227	17.100	1.000	F
Turbidity (Invalid)	11/15/2007	WA-10/39401	0.000	1.000	F
Turbidity (Invalid)	5/23/2008	WA-10/39591	2.400	1.000	F
Turbidity (Invalid)	11/ 5/2008	WA-10/39757	70.000	1.000	F
Turbidity (Invalid)	5/26/2009	WA-10/39959	10.000	1.000	F
Turbidity (Invalid)	12/15/2009	WA-10/40162	31.000	1.000	F
Turbidity (Invalid)	5/18/2010	WA-10/40316	32.000	0.000	F
Turbidity (Invalid)	5/25/2011	WA-10/40688	5.000	0.100	F
Turbidity (Invalid)	11/ 9/2011	WA-10/40856	10.000	0.100	F
Turbidity (Invalid)	5/18/2012	WA-10/41047	5.000	0.100	F
Turbidity (Invalid)	11/ 1/2012	WA-10/41214	7.000	0.100	F

WA-12

Field or Physical Parameters

Dissolved Oxygen (mg/L)	6/15/2000	WA-12/36692	1.920	0.010
Dissolved Oxygen (mg/L)	6/15/2000	WA-12/36692	1.760	0.010
Dissolved Oxygen (mg/L)	6/15/2000	WA-12/36692	1.760	0.010
Dissolved Oxygen (mg/L)	2/15/2001	WA-12/36937	2.820	0.010
Dissolved Oxygen (mg/L)	8/14/2001	WA-12/37117	1.230	0.010
Dissolved Oxygen (mg/L)	1/30/2002	WA-12/37286	8.000	0.100
Dissolved Oxygen (mg/L)	11/13/2002	WA-12/37573	2.830	0.100
Dissolved Oxygen (mg/L)	5/14/2003	WA-12/37755	1.300	0.100

Historical Field Parameters in Class III Area Corrective Action Assessment Monitoring Wells

Company: San Benito County **Data Group:** None
Site: John Smith Road Landfill **Date Range:** All thru 4q12
Program: SBC Groundwater **Permit:** WDR 2010-0021

Parameter (Unit)	Date	Sample ID	Result Value	Detection Limit	Code
Dissolved Oxygen (mg/L)	11/12/2003	WA-12/37937	1.930	0.100	
Dissolved Oxygen (mg/L)	5/10/2004	WA-12/38117	1.460	0.100	
Dissolved Oxygen (mg/L)	5/24/2004	WA-12/38131	3.000	0.010	F
Dissolved Oxygen (mg/L)	11/ 9/2004	WA-12/38300	3.960	0.100	
Dissolved Oxygen (mg/L)	5/19/2005	WA-12/38491	2.730	0.100	F
Dissolved Oxygen (mg/L)	10/12/2005	WA-12/38637	0.700	0.100	F
Dissolved Oxygen (mg/L)	5/ 9/2006	WA-12/38846	2.160	0.100	F
Dissolved Oxygen (mg/L)	11/14/2006	WA-12/39035	0.580	0.100	F
Dissolved Oxygen (mg/L)	11/15/2007	WA-12/39401	0.600	0.010	F
Dissolved Oxygen (mg/L)	5/23/2008	WA-12/39591	0.600	0.010	F
Dissolved Oxygen (mg/L)	11/ 5/2008	WA-12/39757	0.980	0.010	F
Dissolved Oxygen (mg/L)	5/26/2009	WA-12/39959	0.400	0.010	F
Dissolved Oxygen (mg/L)	12/15/2009	WA-12/40162	0.400	0.010	F
Dissolved Oxygen (mg/L)	5/20/2010	WA-12/40318	0.500	0.010	F
Dissolved Oxygen (mg/L)	12/ 7/2010	WA-12/40519	0.920	0.010	F
Dissolved Oxygen (mg/L)	5/25/2011	WA-12/40688	2.000	0.010	F
Dissolved Oxygen (mg/L)	11/ 9/2011	WA-12/40856	1.700	0.010	F
Dissolved Oxygen (mg/L)	5/18/2012	WA-12/41047	1.900	0.010	F
Dissolved Oxygen (mg/L)	11/ 2/2012	WA-12/41215	1.700	0.010	F
ORP (mV)	5/ 8/2006	WA-12/38845	-220.400	1.000	F
ORP (mV)	5/24/2007	WA-12/39226	-60.100	1.000	F
ORP (mV)	11/15/2007	WA-12/39401	-85.000	1.000	F
ORP (mV)	5/23/2008	WA-12/39591	-81.000	0.010	F
ORP (mV)	11/ 5/2008	WA-12/39757	-162.000	0.010	F
ORP (mV)	5/26/2009	WA-12/39959	-69.000	0.010	F
ORP (mV)	12/15/2009	WA-12/40162	-154.000	0.010	F
ORP (mV)	5/20/2010	WA-12/40318	-129.000	0.010	F
ORP (mV)	12/ 7/2010	WA-12/40519	-198.900	0.010	F
ORP (mV)	11/ 9/2011	WA-12/40856	-172.800	0.010	F
ORP (mV)	5/18/2012	WA-12/41047	26.900	0.010	F
ORP (mV)	11/ 2/2012	WA-12/41215	-182.000	0.010	F
pH (s.u.)	11/25/1991	WA-12/33567	6.720	0.000	
pH (s.u.)	6/15/2000	WA-12/36692	6.930	0.010	
pH (s.u.)	6/15/2000	WA-12/36692	7.020	0.010	
pH (s.u.)	6/15/2000	WA-12/36692	7.020	0.010	
pH (s.u.)	2/15/2001	WA-12/36937	7.080	0.010	
pH (s.u.)	8/14/2001	WA-12/37117	7.260	0.010	
pH (s.u.)	1/30/2002	WA-12/37286	6.880	0.010	F
pH (s.u.)	11/13/2002	WA-12/37573	7.210	0.010	F
pH (s.u.)	5/14/2003	WA-12/37755	7.320	0.010	F
pH (s.u.)	11/12/2003	WA-12/37937	7.250	0.010	F
pH (s.u.)	5/10/2004	WA-12/38117	7.230	0.010	F
pH (s.u.)	5/24/2004	WA-12/38131	7.200	0.010	F
pH (s.u.)	11/ 9/2004	WA-12/38300	7.180	0.010	F
pH (s.u.)	5/19/2005	WA-12/38491	7.300	0.010	F
pH (s.u.)	10/12/2005	WA-12/38637	7.660	0.010	F
pH (s.u.)	5/ 9/2006	WA-12/38846	7.160	0.010	F
pH (s.u.)	11/14/2006	WA-12/39035	7.410	0.010	F
pH (s.u.)	11/15/2007	WA-12/39401	7.200	0.010	F
pH (s.u.)	5/23/2008	WA-12/39591	7.080	0.010	F
pH (s.u.)	11/ 5/2008	WA-12/39757	7.950	0.010	F
pH (s.u.)	5/26/2009	WA-12/39959	7.080	0.010	F
pH (s.u.)	12/15/2009	WA-12/40162	7.860	0.010	F
pH (s.u.)	5/20/2010	WA-12/40318	7.840	0.010	F

Historical Field Parameters in Class III Area Corrective Action Assessment Monitoring Wells

Company: San Benito County **Data Group:** None
Site: John Smith Road Landfill **Date Range:** All thru 4q12
Program: SBC Groundwater **Permit:** WDR 2010-0021

Parameter (Unit)	Date	Sample ID	Result Value	Detection Limit	Code
pH (s.u.)	12/ 7/2010	WA-12/40519	7.340	0.010	F
pH (s.u.)	5/25/2011	WA-12/40688	7.350	0.010	F
pH (s.u.)	11/ 9/2011	WA-12/40856	7.720	0.010	F
pH (s.u.)	5/18/2012	WA-12/41047	7.560	0.010	F
pH (s.u.)	11/ 2/2012	WA-12/41215	7.120	0.010	F
Specific Conductance (µmhos/cm)	11/25/1991	WA-12/33567	4000.000	0.000	
Specific Conductance (µmhos/cm)	6/15/2000	WA-12/36692	3000.000	1.000	
Specific Conductance (µmhos/cm)	6/15/2000	WA-12/36692	2980.000	1.000	
Specific Conductance (µmhos/cm)	6/15/2000	WA-12/36692	2980.000	1.000	
Specific Conductance (µmhos/cm)	2/15/2001	WA-12/36937	3930.000	1.000	
Specific Conductance (µmhos/cm)	8/14/2001	WA-12/37117	3070.000	1.000	
Specific Conductance (µmhos/cm)	1/30/2002	WA-12/37286	2960.000	1.000	F
Specific Conductance (µmhos/cm)	11/13/2002	WA-12/37573	3010.000	1.000	F
Specific Conductance (µmhos/cm)	5/14/2003	WA-12/37755	2800.000	1.000	F
Specific Conductance (µmhos/cm)	11/12/2003	WA-12/37937	3020.000	1.000	F
Specific Conductance (µmhos/cm)	5/10/2004	WA-12/38117	2750.000	1.000	F
Specific Conductance (µmhos/cm)	5/24/2004	WA-12/38131	2.000	1.000	F
Specific Conductance (µmhos/cm)	11/ 9/2004	WA-12/38300	2820.000	1.000	F
Specific Conductance (µmhos/cm)	5/19/2005	WA-12/38491	2890.000	1.000	F
Specific Conductance (µmhos/cm)	10/12/2005	WA-12/38637	2770.000	1.000	F
Specific Conductance (µmhos/cm)	5/ 9/2006	WA-12/38846	2929.000	1.000	F
Specific Conductance (µmhos/cm)	11/14/2006	WA-12/39035	2580.000	1.000	F
Specific Conductance (µmhos/cm)	11/15/2007	WA-12/39401	3024.000	1.000	F
Specific Conductance (µmhos/cm)	5/23/2008	WA-12/39591	3073.000	1.000	F
Specific Conductance (µmhos/cm)	11/ 5/2008	WA-12/39757	3290.000	1.000	F
Specific Conductance (µmhos/cm)	5/26/2009	WA-12/39959	3244.000	1.000	F
Specific Conductance (µmhos/cm)	12/15/2009	WA-12/40162	3135.000	1.000	F
Specific Conductance (µmhos/cm)	5/20/2010	WA-12/40318	3155.000	1.000	F
Specific Conductance (µmhos/cm)	12/ 7/2010	WA-12/40519	3323.000	1.000	F
Specific Conductance (µmhos/cm)	5/25/2011	WA-12/40688	2856.000	1.000	F
Specific Conductance (µmhos/cm)	11/ 9/2011	WA-12/40856	3191.000	1.000	F
Specific Conductance (µmhos/cm)	5/18/2012	WA-12/41047	3363.000	1.000	F
Specific Conductance (µmhos/cm)	11/ 2/2012	WA-12/41215	3296.000	1.000	F
Temperature (deg C)	6/15/2000	WA-12/36692	19.400	0.100	
Temperature (deg C)	6/15/2000	WA-12/36692	19.300	0.100	
Temperature (deg C)	6/15/2000	WA-12/36692	19.300	0.100	
Temperature (deg C)	2/15/2001	WA-12/36937	18.400	0.100	
Temperature (deg C)	8/14/2001	WA-12/37117	21.000	0.100	
Temperature (deg C)	1/30/2002	WA-12/37286	18.000	0.100	
Temperature (deg C)	11/13/2002	WA-12/37573	19.700	0.100	
Temperature (deg C)	5/14/2003	WA-12/37755	20.800	0.100	
Temperature (deg C)	11/12/2003	WA-12/37937	19.700	0.100	
Temperature (deg C)	5/10/2004	WA-12/38117	19.500	0.100	
Temperature (deg C)	5/24/2004	WA-12/38131	19.440	0.100	F
Temperature (deg C)	11/ 9/2004	WA-12/38300	19.000	0.100	
Temperature (deg C)	5/19/2005	WA-12/38491	21.400	0.100	F
Temperature (deg C)	10/12/2005	WA-12/38637	19.700	0.100	F
Temperature (deg C)	5/ 9/2006	WA-12/38846	21.200	0.100	F
Temperature (deg C)	11/14/2006	WA-12/39035	19.200	0.100	F
Temperature (deg C)	11/15/2007	WA-12/39401	19.590	0.100	F
Temperature (deg C)	5/23/2008	WA-12/39591	19.270	0.100	F
Temperature (deg C)	11/ 5/2008	WA-12/39757	19.400	0.100	F
Temperature (deg C)	5/26/2009	WA-12/39959	21.700	0.100	F
Temperature (deg C)	12/15/2009	WA-12/40162	18.400	0.100	F

Historical Field Parameters in Class III Area Corrective Action Assessment Monitoring Wells

Company: San Benito County **Data Group:** None
Site: John Smith Road Landfill **Date Range:** All thru 4q12
Program: SBC Groundwater **Permit:** WDR 2010-0021

Parameter (Unit)	Date	Sample ID	Result Value	Detection Limit	Code
Temperature (deg C)	5/20/2010	WA-12/40318	19.900	0.100	F
Temperature (deg C)	12/ 7/2010	WA-12/40519	19.100	0.100	F
Temperature (deg C)	5/25/2011	WA-12/40688	19.300	0.100	F
Temperature (deg C)	11/ 9/2011	WA-12/40856	18.800	0.100	F
Temperature (deg C)	5/18/2012	WA-12/41047	19.400	0.100	F
Temperature (deg C)	11/ 1/2012	WA-12/41214	19.100	0.100	F
Turbidity (Invalid)	11/25/1991	WA-12/33567	1.860	0.000	
Turbidity (Invalid)	6/15/2000	WA-12/36692	19.000	1.000	
Turbidity (Invalid)	6/15/2000	WA-12/36692	18.000	1.000	
Turbidity (Invalid)	6/15/2000	WA-12/36692	18.000	1.000	
Turbidity (Invalid)	2/15/2001	WA-12/36937	5.000	1.000	
Turbidity (Invalid)	8/14/2001	WA-12/37117	9.000	1.000	
Turbidity (Invalid)	1/30/2002	WA-12/37286	13.000	1.000	
Turbidity (Invalid)	11/13/2002	WA-12/37573	79.000	1.000	
Turbidity (Invalid)	5/14/2003	WA-12/37755	14.000	1.000	
Turbidity (Invalid)	11/12/2003	WA-12/37937	61.000	1.000	
Turbidity (Invalid)	5/10/2004	WA-12/38117	7.000	1.000	
Turbidity (Invalid)	5/24/2004	WA-12/38131	13.000	1.000	F
Turbidity (Invalid)	11/ 9/2004	WA-12/38300	7.000	1.000	
Turbidity (Invalid)	5/19/2005	WA-12/38491	20.000	1.000	F
Turbidity (Invalid)	10/12/2005	WA-12/38637	25.000	1.000	F
Turbidity (Invalid)	5/ 9/2006	WA-12/38846	30.100	1.000	F
Turbidity (Invalid)	11/14/2006	WA-12/39035	28.000	1.000	F
Turbidity (Invalid)	11/15/2007	WA-12/39401	0.000	1.000	F
Turbidity (Invalid)	5/23/2008	WA-12/39591	0.000	1.000	F
Turbidity (Invalid)	11/ 5/2008	WA-12/39757	590.000	1.000	F
Turbidity (Invalid)	5/26/2009	WA-12/39959	1.000	1.000	F
Turbidity (Invalid)	12/15/2009	WA-12/40162	13.000	1.000	F
Turbidity (Invalid)	5/20/2010	WA-12/40318	497.000	0.000	F
Turbidity (Invalid)	5/25/2011	WA-12/40688	7.000	0.100	F
Turbidity (Invalid)	11/ 9/2011	WA-12/40856	18.000	0.100	F
Turbidity (Invalid)	5/18/2012	WA-12/41047	10.000	0.100	F
Turbidity (Invalid)	11/ 2/2012	WA-12/41215	5.000	0.100	F
WA-19					
Field or Physical Parameters					
Dissolved Oxygen (mg/L)	6/16/2000	WA-19/36693	1.190	0.010	
Dissolved Oxygen (mg/L)	6/16/2000	WA-19/36693	1.680	0.010	
Dissolved Oxygen (mg/L)	6/16/2000	WA-19/36693	1.680	0.010	
Dissolved Oxygen (mg/L)	11/12/2002	WA-19/37572	1.220	0.010	
Dissolved Oxygen (mg/L)	5/14/2003	WA-19/37755	0.460	0.010	
Dissolved Oxygen (mg/L)	11/13/2003	WA-19/37938	1.760	0.010	
Dissolved Oxygen (mg/L)	5/11/2004	WA-19/38118	0.000	0.010	
Dissolved Oxygen (mg/L)	11/10/2004	WA-19/38301	3.020	0.010	
Dissolved Oxygen (mg/L)	5/11/2005	WA-19/38483	1.700	0.010	F
Dissolved Oxygen (mg/L)	10/11/2005	WA-19/38636	0.390	0.010	F
Dissolved Oxygen (mg/L)	5/11/2006	WA-19/38848	0.050	0.010	F
Dissolved Oxygen (mg/L)	11/10/2006	WA-19/39031	1.580	0.010	F
Dissolved Oxygen (mg/L)	5/24/2007	WA-19/39226	0.900	0.010	F
Dissolved Oxygen (mg/L)	11/14/2007	WA-19/39400	0.600	0.010	F
Dissolved Oxygen (mg/L)	5/22/2008	WA-19/39590	0.500	0.010	F
Dissolved Oxygen (mg/L)	11/ 7/2008	WA-19/39759	0.190	0.010	F
Dissolved Oxygen (mg/L)	6/ 1/2009	WA-19/39965	1.400	0.010	F
Dissolved Oxygen (mg/L)	12/15/2009	WA-19/40162	0.400	0.010	F
Dissolved Oxygen (mg/L)	5/18/2010	WA-19/40316	0.300	0.010	F

Historical Field Parameters in Class III Area Corrective Action Assessment Monitoring Wells

Company: San Benito County **Data Group:** None
Site: John Smith Road Landfill **Date Range:** All thru 4q12
Program: SBC Groundwater **Permit:** WDR 2010-0021

Parameter (Unit)	Date	Sample ID	Result Value	Detection Limit	Code
Dissolved Oxygen (mg/L)	12/ 8/2010	WA-19/40520	0.820	0.010	F
Dissolved Oxygen (mg/L)	5/27/2011	WA-19/40690	1.400	0.010	F
Dissolved Oxygen (mg/L)	11/ 8/2011	WA-19/40855	1.500	0.010	F
Dissolved Oxygen (mg/L)	5/17/2012	WA-19/41046	1.200	0.010	F
Dissolved Oxygen (mg/L)	10/31/2012	WA-19/41213	1.300	0.010	F
ORP (mV)	5/11/2006	WA-19/38848	-50.100	1.000	F
ORP (mV)	5/24/2007	WA-19/39226	54.900	1.000	F
ORP (mV)	11/14/2007	WA-19/39400	0.000	1.000	F
ORP (mV)	5/22/2008	WA-19/39590	-3.000	0.010	F
ORP (mV)	11/ 7/2008	WA-19/39759	2.000	0.010	F
ORP (mV)	6/ 1/2009	WA-19/39965	118.000	0.010	F
ORP (mV)	12/15/2009	WA-19/40162	6.000	0.010	F
ORP (mV)	5/18/2010	WA-19/40316	2.000	0.010	F
ORP (mV)	12/ 8/2010	WA-19/40520	44.900	0.010	F
ORP (mV)	5/27/2011	WA-19/40690	320.300	0.010	F
ORP (mV)	11/ 8/2011	WA-19/40855	11.000	0.010	F
ORP (mV)	5/17/2012	WA-19/41046	19.900	0.010	F
ORP (mV)	10/31/2012	WA-19/41213	-61.000	0.010	F
pH (s.u.)	6/16/2000	WA-19/36693	6.740	0.010	
pH (s.u.)	6/16/2000	WA-19/36693	6.860	0.010	
pH (s.u.)	6/16/2000	WA-19/36693	6.860	0.010	
pH (s.u.)	11/12/2002	WA-19/37572	6.880	0.010	F
pH (s.u.)	5/14/2003	WA-19/37755	6.960	0.010	F
pH (s.u.)	11/13/2003	WA-19/37938	6.920	0.010	F
pH (s.u.)	5/11/2004	WA-19/38118	6.950	0.010	F
pH (s.u.)	11/10/2004	WA-19/38301	6.950	0.010	F
pH (s.u.)	5/11/2005	WA-19/38483	6.920	0.010	F
pH (s.u.)	10/11/2005	WA-19/38636	7.060	0.010	F
pH (s.u.)	5/11/2006	WA-19/38848	6.830	0.010	F
pH (s.u.)	11/10/2006	WA-19/39031	6.850	0.010	F
pH (s.u.)	5/24/2007	WA-19/39226	6.820	0.010	F
pH (s.u.)	11/14/2007	WA-19/39400	6.990	0.010	F
pH (s.u.)	5/22/2008	WA-19/39590	6.810	0.010	F
pH (s.u.)	11/ 7/2008	WA-19/39759	7.770	0.010	F
pH (s.u.)	6/ 1/2009	WA-19/39965	6.790	0.010	F
pH (s.u.)	12/15/2009	WA-19/40162	7.610	0.010	F
pH (s.u.)	5/18/2010	WA-19/40316	7.850	0.010	F
pH (s.u.)	12/ 8/2010	WA-19/40520	7.030	0.010	F
pH (s.u.)	5/27/2011	WA-19/40690	7.150	0.010	F
pH (s.u.)	11/ 8/2011	WA-19/40855	7.080	0.010	F
pH (s.u.)	5/17/2012	WA-19/41046	7.100	0.010	F
pH (s.u.)	10/31/2012	WA-19/41213	7.120	0.010	F
Specific Conductance (µmhos/cm)	6/16/2000	WA-19/36693	12200.000	1.000	
Specific Conductance (µmhos/cm)	6/16/2000	WA-19/36693	11600.000	1.000	
Specific Conductance (µmhos/cm)	6/16/2000	WA-19/36693	11600.000	1.000	
Specific Conductance (µmhos/cm)	11/12/2002	WA-19/37572	11100.000	1.000	F
Specific Conductance (µmhos/cm)	5/14/2003	WA-19/37755	11700.000	1.000	F
Specific Conductance (µmhos/cm)	11/13/2003	WA-19/37938	12300.000	1.000	F
Specific Conductance (µmhos/cm)	5/11/2004	WA-19/38118	12100.000	1.000	F
Specific Conductance (µmhos/cm)	5/11/2005	WA-19/38483	12100.000	1.000	F
Specific Conductance (µmhos/cm)	10/11/2005	WA-19/38636	11800.000	1.000	F
Specific Conductance (µmhos/cm)	5/11/2006	WA-19/38848	10810.000	1.000	F
Specific Conductance (µmhos/cm)	11/10/2006	WA-19/39031	11540.000	1.000	F
Specific Conductance (µmhos/cm)	5/24/2007	WA-19/39226	11477.000	1.000	F

Historical Field Parameters in Class III Area Corrective Action Assessment Monitoring Wells

Company: San Benito County **Data Group:** None
Site: John Smith Road Landfill **Date Range:** All thru 4q12
Program: SBC Groundwater **Permit:** WDR 2010-0021

Parameter (Unit)	Date	Sample ID	Result Value	Detection Limit	Code
Specific Conductance (µmhos/cm)	11/14/2007	WA-19/39400	11583.000	1.000	F
Specific Conductance (µmhos/cm)	5/22/2008	WA-19/39590	11549.000	1.000	F
Specific Conductance (µmhos/cm)	11/ 7/2008	WA-19/39759	1228.000	1.000	F
Specific Conductance (µmhos/cm)	6/ 1/2009	WA-19/39965	1350.000	1.000	F
Specific Conductance (µmhos/cm)	12/15/2009	WA-19/40162	1184.000	1.000	F
Specific Conductance (µmhos/cm)	5/18/2010	WA-19/40316	1223.000	1.000	F
Specific Conductance (µmhos/cm)	12/ 8/2010	WA-19/40520	10870.000	1.000	F
Specific Conductance (µmhos/cm)	5/27/2011	WA-19/40690	9175.000	1.000	F
Specific Conductance (µmhos/cm)	11/ 8/2011	WA-19/40855	10710.000	1.000	F
Specific Conductance (µmhos/cm)	5/17/2012	WA-19/41046	11080.000	1.000	F
Specific Conductance (µmhos/cm)	10/31/2012	WA-19/41213	10320.000	1.000	F
Temperature (deg C)	6/16/2000	WA-19/36693	21.800	0.100	
Temperature (deg C)	6/16/2000	WA-19/36693	21.200	0.100	
Temperature (deg C)	6/16/2000	WA-19/36693	21.200	0.100	
Temperature (deg C)	11/12/2002	WA-19/37572	20.600	0.100	
Temperature (deg C)	5/14/2003	WA-19/37755	17.300	0.100	
Temperature (deg C)	11/13/2003	WA-19/37938	19.600	0.100	
Temperature (deg C)	5/11/2004	WA-19/38118	22.300	0.100	
Temperature (deg C)	11/10/2004	WA-19/38301	19.700	0.100	
Temperature (deg C)	5/11/2005	WA-19/38483	21.100	0.100	F
Temperature (deg C)	10/11/2005	WA-19/38636	21.700	0.100	F
Temperature (deg C)	5/11/2006	WA-19/38848	21.240	0.100	F
Temperature (deg C)	11/10/2006	WA-19/39031	20.580	0.100	F
Temperature (deg C)	5/24/2007	WA-19/39226	21.330	0.100	F
Temperature (deg C)	11/14/2007	WA-19/39400	21.070	0.100	F
Temperature (deg C)	5/22/2008	WA-19/39590	20.830	0.100	F
Temperature (deg C)	11/ 7/2008	WA-19/39759	19.900	0.100	F
Temperature (deg C)	6/ 1/2009	WA-19/39965	21.200	0.100	F
Temperature (deg C)	12/15/2009	WA-19/40162	20.000	0.100	F
Temperature (deg C)	5/18/2010	WA-19/40316	20.500	0.100	F
Temperature (deg C)	12/ 8/2010	WA-19/40520	19.800	0.100	F
Temperature (deg C)	5/27/2011	WA-19/40690	20.800	0.100	F
Temperature (deg C)	11/ 8/2011	WA-19/40855	20.900	0.100	F
Temperature (deg C)	5/17/2012	WA-19/41046	20.900	0.100	F
Temperature (deg C)	10/31/2012	WA-19/41213	19.800	0.100	F
Turbidity (Invalid)	6/16/2000	WA-19/36693	80.000	1.000	
Turbidity (Invalid)	6/16/2000	WA-19/36693	27.000	1.000	
Turbidity (Invalid)	6/16/2000	WA-19/36693	27.000	1.000	
Turbidity (Invalid)	11/12/2002	WA-19/37572	9.000	1.000	
Turbidity (Invalid)	5/14/2003	WA-19/37755	3.000	1.000	
Turbidity (Invalid)	11/13/2003	WA-19/37938	39.000	1.000	
Turbidity (Invalid)	5/11/2004	WA-19/38118	0.000	1.000	
Turbidity (Invalid)	11/10/2004	WA-19/38301	123.000	1.000	
Turbidity (Invalid)	5/11/2005	WA-19/38483	1.000	1.000	F
Turbidity (Invalid)	10/11/2005	WA-19/38636	0.000	1.000	F
Turbidity (Invalid)	5/11/2006	WA-19/38848	0.000	1.000	F
Turbidity (Invalid)	11/10/2006	WA-19/39031	0.000	1.000	F
Turbidity (Invalid)	5/24/2007	WA-19/39226	0.000	1.000	F
Turbidity (Invalid)	11/14/2007	WA-19/39400	0.000	1.000	F
Turbidity (Invalid)	5/22/2008	WA-19/39590	0.000	1.000	F
Turbidity (Invalid)	11/ 7/2008	WA-19/39759	7.000	1.000	F
Turbidity (Invalid)	6/ 1/2009	WA-19/39965	6.000	1.000	F
Turbidity (Invalid)	12/15/2009	WA-19/40162	40.000	1.000	F
Turbidity (Invalid)	5/18/2010	WA-19/40316	5.000	0.000	F

Historical Field Parameters in Class III Area Corrective Action Assessment Monitoring Wells

Company: San Benito County **Data Group:** None
Site: John Smith Road Landfill **Date Range:** All thru 4q12
Program: SBC Groundwater **Permit:** WDR 2010-0021

Parameter (Unit)	Date	Sample ID	Result Value	Detection Limit	Code
Turbidity (Invalid)	5/27/2011	WA-19/40690	5.000	0.100	F
Turbidity (Invalid)	11/ 8/2011	WA-19/40855	11.000	0.100	F
Turbidity (Invalid)	5/17/2012	WA-19/41046	10.000	0.100	F
Turbidity (Invalid)	10/31/2012	WA-19/41213	6.000	0.100	F
WA-20					
Field or Physical Parameters					
Dissolved Oxygen (mg/L)	3/ 1/1996	WA-20/35125	5.500	0.000	
Dissolved Oxygen (mg/L)	3/ 1/1997	WA-20/35490	8.400	0.000	
Dissolved Oxygen (mg/L)	9/ 1/1997	WA-20/35674	6.300	0.000	
Dissolved Oxygen (mg/L)	9/ 1/1998	WA-20/36039	6.700	0.000	
Dissolved Oxygen (mg/L)	3/ 1/1999	WA-20/36220	6.900	0.000	
Dissolved Oxygen (mg/L)	3/15/2000	WA-20/36600	5.290	0.000	
Dissolved Oxygen (mg/L)	6/16/2000	WA-20/36693	6.790	0.010	
Dissolved Oxygen (mg/L)	6/16/2000	WA-20/36693	5.850	0.010	
Dissolved Oxygen (mg/L)	6/16/2000	WA-20/36693	5.850	0.010	
Dissolved Oxygen (mg/L)	10/ 5/2000	WA-20/36804	4.660	0.010	
Dissolved Oxygen (mg/L)	2/15/2001	WA-20/36937	7.130	0.010	
Dissolved Oxygen (mg/L)	8/15/2001	WA-20/37118	4.630	0.010	
Dissolved Oxygen (mg/L)	1/31/2002	WA-20/37287	4.050	0.010	
Dissolved Oxygen (mg/L)	11/13/2002	WA-20/37573	6.000	0.010	
Dissolved Oxygen (mg/L)	5/14/2003	WA-20/37755	2.390	0.010	
Dissolved Oxygen (mg/L)	11/12/2003	WA-20/37937	2.870	0.010	
Dissolved Oxygen (mg/L)	5/12/2004	WA-20/38119	0.310	0.010	
Dissolved Oxygen (mg/L)	11/10/2004	WA-20/38301	5.560	0.010	
Dissolved Oxygen (mg/L)	5/19/2005	WA-20/38491	0.320	0.010	F
Dissolved Oxygen (mg/L)	10/18/2005	WA-20/38643	0.800	0.010	F
Dissolved Oxygen (mg/L)	5/ 9/2006	WA-20/38846	0.440	0.010	F
Dissolved Oxygen (mg/L)	11/14/2006	WA-20/39035	0.860	0.010	F
Dissolved Oxygen (mg/L)	5/25/2007	WA-20/39227	1.500	0.010	F
Dissolved Oxygen (mg/L)	11/15/2007	WA-20/39401	1.400	0.010	F
Dissolved Oxygen (mg/L)	5/23/2008	WA-20 /39591	0.600	0.010	F
Dissolved Oxygen (mg/L)	11/ 5/2008	WA-20/39757	2.320	0.010	F
Dissolved Oxygen (mg/L)	5/26/2009	WA-20/39959	1.200	0.010	F
Dissolved Oxygen (mg/L)	12/18/2009	WA-20/40165	2.200	0.010	F
Dissolved Oxygen (mg/L)	5/18/2010	WA-20/40316	2.400	0.010	F
Dissolved Oxygen (mg/L)	12/ 7/2010	WA-20/40519	2.080	0.010	F
Dissolved Oxygen (mg/L)	5/24/2011	WA-20/40687	3.100	0.010	F
Dissolved Oxygen (mg/L)	11/ 9/2011	WA-20/40856	2.600	0.010	F
Dissolved Oxygen (mg/L)	5/18/2012	WA-20/41047	1.800	0.010	F
Dissolved Oxygen (mg/L)	11/ 2/2012	WA-20/41215	1.500	0.010	F
ORP (mV)	5/ 8/2006	WA-20/38845	-18.100	1.000	F
ORP (mV)	5/25/2007	WA-20/39227	-4.700	1.000	F
ORP (mV)	11/15/2007	WA-20/39401	22.000	1.000	F
ORP (mV)	5/23/2008	WA-20 /39591	-20.000	0.010	F
ORP (mV)	11/ 5/2008	WA-20/39757	30.000	0.010	F
ORP (mV)	5/26/2009	WA-20/39959	12.000	0.010	F
ORP (mV)	12/18/2009	WA-20/40165	32.000	0.010	F
ORP (mV)	5/18/2010	WA-20/40316	39.000	0.010	F
ORP (mV)	12/ 7/2010	WA-20/40519	54.000	0.010	F
ORP (mV)	5/24/2011	WA-20/40687	429.500	0.010	F
ORP (mV)	11/ 9/2011	WA-20/40856	6.000	0.010	F
ORP (mV)	5/18/2012	WA-20/41047	-25.900	0.010	F
ORP (mV)	11/ 2/2012	WA-20/41215	19.000	0.010	F

Historical Field Parameters in Class III Area Corrective Action Assessment Monitoring Wells

Company: San Benito County **Data Group:** None
Site: John Smith Road Landfill **Date Range:** All thru 4q12
Program: SBC Groundwater **Permit:** WDR 2010-0021

Parameter (Unit)	Date	Sample ID	Result Value	Detection Limit	Code
pH (s.u.)	3/ 1/1994	WA-20/34394	7.420	0.000	
pH (s.u.)	9/ 1/1994	WA-20/34578	6.690	0.000	
pH (s.u.)	3/ 1/1995	WA-20/34759	7.390	0.000	
pH (s.u.)	9/ 1/1995	WA-20/34943	7.140	0.000	
pH (s.u.)	3/ 1/1996	WA-20/35125	6.750	0.000	
pH (s.u.)	9/ 1/1996	WA-20/35309	7.280	0.000	
pH (s.u.)	3/ 1/1997	WA-20/35490	7.260	0.000	
pH (s.u.)	9/ 1/1997	WA-20/35674	7.300	0.000	
pH (s.u.)	9/ 1/1998	WA-20/36039	7.700	0.000	
pH (s.u.)	3/ 1/1999	WA-20/36220	7.500	0.000	
pH (s.u.)	9/14/1999	WA-20/36417	7.430	0.000	
pH (s.u.)	3/15/2000	WA-20/36600	7.440	0.000	
pH (s.u.)	6/16/2000	WA-20/36693	7.230	0.010	
pH (s.u.)	6/16/2000	WA-20/36693	7.250	0.010	
pH (s.u.)	6/16/2000	WA-20/36693	7.250	0.010	
pH (s.u.)	8/29/2000	WA-20/36767	7.370	2.000	
pH (s.u.)	10/ 5/2000	WA-20/36804	7.150	0.010	
pH (s.u.)	2/15/2001	WA-20/36937	7.480	0.010	
pH (s.u.)	2/15/2001	WA-20/36937	7.750	1.000	
pH (s.u.)	8/15/2001	WA-20/37118	7.060	0.010	
pH (s.u.)	1/31/2002	WA-20/37287	7.610	0.010	F
pH (s.u.)	11/13/2002	WA-20/37573	7.370	0.010	F
pH (s.u.)	5/14/2003	WA-20/37755	7.250	0.010	F
pH (s.u.)	11/12/2003	WA-20/37937	7.360	0.010	F
pH (s.u.)	5/12/2004	WA-20/38119	7.320	0.010	F
pH (s.u.)	11/10/2004	WA-20/38301	7.320	0.010	F
pH (s.u.)	5/19/2005	WA-20/38491	7.220	0.010	F
pH (s.u.)	10/18/2005	WA-20/38643	7.300	0.010	F
pH (s.u.)	5/ 9/2006	WA-20/38846	7.160	0.010	F
pH (s.u.)	11/14/2006	WA-20/39035	7.160	0.010	F
pH (s.u.)	5/25/2007	WA-20/39227	7.230	0.010	F
pH (s.u.)	11/15/2007	WA-20/39401	7.270	0.010	F
pH (s.u.)	5/23/2008	WA-20 /39591	7.210	0.010	F
pH (s.u.)	11/ 5/2008	WA-20/39757	8.130	0.010	F
pH (s.u.)	5/26/2009	WA-20/39959	7.490	0.010	F
pH (s.u.)	12/18/2009	WA-20/40165	7.950	0.010	F
pH (s.u.)	5/18/2010	WA-20/40316	8.100	0.010	F
pH (s.u.)	12/ 7/2010	WA-20/40519	7.200	0.010	F
pH (s.u.)	5/24/2011	WA-20/40687	7.520	0.010	F
pH (s.u.)	11/ 9/2011	WA-20/40856	7.490	0.010	F
pH (s.u.)	5/18/2012	WA-20/41047	7.590	0.010	F
pH (s.u.)	11/ 2/2012	WA-20/41215	7.360	0.010	F
Specific Conductance (µmhos/cm)	3/ 1/1995	WA-20/34759	5310.000	0.000	
Specific Conductance (µmhos/cm)	9/ 1/1995	WA-20/34943	3740.000	0.000	
Specific Conductance (µmhos/cm)	3/ 1/1996	WA-20/35125	5240.000	0.000	
Specific Conductance (µmhos/cm)	9/ 1/1996	WA-20/35309	4600.000	0.000	
Specific Conductance (µmhos/cm)	3/ 1/1997	WA-20/35490	4600.000	0.000	
Specific Conductance (µmhos/cm)	9/ 1/1997	WA-20/35674	4400.000	0.000	
Specific Conductance (µmhos/cm)	9/ 1/1998	WA-20/36039	5400.000	0.000	
Specific Conductance (µmhos/cm)	3/ 1/1999	WA-20/36220	4500.000	0.000	
Specific Conductance (µmhos/cm)	9/14/1999	WA-20/36417	3490.000	0.000	
Specific Conductance (µmhos/cm)	3/15/2000	WA-20/36600	1410.000	0.000	
Specific Conductance (µmhos/cm)	6/16/2000	WA-20/36693	5010.000	1.000	
Specific Conductance (µmhos/cm)	6/16/2000	WA-20/36693	5010.000	1.000	

Historical Field Parameters in Class III Area Corrective Action Assessment Monitoring Wells

Company: San Benito County **Data Group:** None
Site: John Smith Road Landfill **Date Range:** All thru 4q12
Program: SBC Groundwater **Permit:** WDR 2010-0021

Parameter (Unit)	Date	Sample ID	Result Value	Detection Limit	Code
Specific Conductance (µmhos/cm)	6/16/2000	WA-20/36693	5010.000	1.000	
Specific Conductance (µmhos/cm)	8/29/2000	WA-20/36767	5050.000	1.000	
Specific Conductance (µmhos/cm)	10/ 5/2000	WA-20/36804	4940.000	1.000	
Specific Conductance (µmhos/cm)	2/15/2001	WA-20/36937	9640.000	1.000	
Specific Conductance (µmhos/cm)	2/15/2001	WA-20/36937	6750.000	1.000	
Specific Conductance (µmhos/cm)	8/15/2001	WA-20/37118	5100.000	1.000	
Specific Conductance (µmhos/cm)	1/31/2002	WA-20/37287	4930.000	1.000	F
Specific Conductance (µmhos/cm)	11/13/2002	WA-20/37573	5290.000	1.000	F
Specific Conductance (µmhos/cm)	5/14/2003	WA-20/37755	5110.000	1.000	F
Specific Conductance (µmhos/cm)	11/12/2003	WA-20/37937	5160.000	1.000	F
Specific Conductance (µmhos/cm)	5/12/2004	WA-20/38119	6110.000	1.000	F
Specific Conductance (µmhos/cm)	11/10/2004	WA-20/38301	5000.000	1.000	F
Specific Conductance (µmhos/cm)	5/19/2005	WA-20/38491	5700.000	1.000	F
Specific Conductance (µmhos/cm)	10/18/2005	WA-20/38643	5370.000	1.000	F
Specific Conductance (µmhos/cm)	5/ 9/2006	WA-20/38846	5859.000	1.000	F
Specific Conductance (µmhos/cm)	11/14/2006	WA-20/39035	5300.000	1.000	F
Specific Conductance (µmhos/cm)	5/25/2007	WA-20/39227	5014.000	1.000	F
Specific Conductance (µmhos/cm)	11/15/2007	WA-20/39401	4688.000	1.000	F
Specific Conductance (µmhos/cm)	5/23/2008	WA-20 /39591	4357.000	1.000	F
Specific Conductance (µmhos/cm)	11/ 5/2008	WA-20/39757	4560.000	1.000	F
Specific Conductance (µmhos/cm)	5/26/2009	WA-20/39959	4982.000	1.000	F
Specific Conductance (µmhos/cm)	12/18/2009	WA-20/40165	4496.000	1.000	F
Specific Conductance (µmhos/cm)	5/18/2010	WA-20/40316	4790.000	1.000	F
Specific Conductance (µmhos/cm)	12/ 7/2010	WA-20/40519	4317.000	1.000	F
Specific Conductance (µmhos/cm)	5/24/2011	WA-20/40687	3859.000	1.000	F
Specific Conductance (µmhos/cm)	11/ 9/2011	WA-20/40856	4130.000	1.000	F
Specific Conductance (µmhos/cm)	5/18/2012	WA-20/41047	4553.000	1.000	F
Specific Conductance (µmhos/cm)	11/ 2/2012	WA-20/41215	4151.000	1.000	F
Temperature (deg C)	6/16/2000	WA-20/36693	19.900	0.100	
Temperature (deg C)	6/16/2000	WA-20/36693	18.900	0.100	
Temperature (deg C)	6/16/2000	WA-20/36693	18.900	0.100	
Temperature (deg C)	10/ 5/2000	WA-20/36804	21.000	0.100	
Temperature (deg C)	2/15/2001	WA-20/36937	16.100	0.100	
Temperature (deg C)	8/15/2001	WA-20/37118	21.500	0.100	
Temperature (deg C)	1/31/2002	WA-20/37287	16.200	0.100	
Temperature (deg C)	11/13/2002	WA-20/37573	19.600	0.100	
Temperature (deg C)	5/14/2003	WA-20/37755	16.900	0.100	
Temperature (deg C)	11/12/2003	WA-20/37937	18.800	0.100	
Temperature (deg C)	5/12/2004	WA-20/38119	22.300	0.100	
Temperature (deg C)	11/10/2004	WA-20/38301	16.500	0.100	
Temperature (deg C)	5/19/2005	WA-20/38491	19.200	0.100	F
Temperature (deg C)	10/18/2005	WA-20/38643	19.600	0.100	F
Temperature (deg C)	5/ 9/2006	WA-20/38846	17.090	0.100	F
Temperature (deg C)	11/14/2006	WA-20/39035	19.200	0.100	F
Temperature (deg C)	5/25/2007	WA-20/39227	17.470	0.100	F
Temperature (deg C)	11/15/2007	WA-20/39401	19.660	0.100	F
Temperature (deg C)	5/23/2008	WA-20 /39591	16.940	0.100	F
Temperature (deg C)	11/ 5/2008	WA-20/39757	19.500	0.100	F
Temperature (deg C)	5/26/2009	WA-20/39959	21.200	0.100	F
Temperature (deg C)	12/18/2009	WA-20/40165	18.000	0.100	F
Temperature (deg C)	5/18/2010	WA-20/40316	16.400	0.100	F
Temperature (deg C)	12/ 7/2010	WA-20/40519	18.100	0.100	F
Temperature (deg C)	5/24/2011	WA-20/40687	17.100	0.100	F
Temperature (deg C)	11/ 9/2011	WA-20/40856	18.600	0.100	F

Historical Field Parameters in Class III Area Corrective Action Assessment Monitoring Wells

Company: San Benito County **Data Group:** None
Site: John Smith Road Landfill **Date Range:** All thru 4q12
Program: SBC Groundwater **Permit:** WDR 2010-0021

Parameter (Unit)	Date	Sample ID	Result Value	Detection Limit	Code
Temperature (deg C)	5/18/2012	WA-20/41047	17.700	0.100	F
Temperature (deg C)	11/ 2/2012	WA-20/41215	19.900	0.100	F
Turbidity (Invalid)	6/16/2000	WA-20/36693	999.000	1.000	H
Turbidity (Invalid)	6/16/2000	WA-20/36693	644.000	1.000	
Turbidity (Invalid)	6/16/2000	WA-20/36693	644.000	1.000	
Turbidity (Invalid)	10/ 5/2000	WA-20/36804	101.000	1.000	
Turbidity (Invalid)	2/15/2001	WA-20/36937	407.000	1.000	
Turbidity (Invalid)	8/15/2001	WA-20/37118	424.000	1.000	
Turbidity (Invalid)	1/31/2002	WA-20/37287	198.000	1.000	
Turbidity (Invalid)	11/13/2002	WA-20/37573	122.000	1.000	
Turbidity (Invalid)	5/14/2003	WA-20/37755	4.000	1.000	
Turbidity (Invalid)	11/12/2003	WA-20/37937	5.000	1.000	
Turbidity (Invalid)	5/12/2004	WA-20/38119	15.000	1.000	
Turbidity (Invalid)	11/10/2004	WA-20/38301	19.000	1.000	
Turbidity (Invalid)	5/19/2005	WA-20/38491	3.000	1.000	F
Turbidity (Invalid)	10/18/2005	WA-20/38643	11.000	1.000	F
Turbidity (Invalid)	5/ 9/2006	WA-20/38846	30.000	1.000	F
Turbidity (Invalid)	11/14/2006	WA-20/39035	9.000	1.000	F
Turbidity (Invalid)	5/25/2007	WA-20/39227	23.200	1.000	F
Turbidity (Invalid)	11/15/2007	WA-20/39401	22.000	1.000	F
Turbidity (Invalid)	5/23/2008	WA-20 /39591	18.300	1.000	F
Turbidity (Invalid)	11/ 5/2008	WA-20/39757	345.000	1.000	F
Turbidity (Invalid)	5/26/2009	WA-20/39959	13.000	1.000	F
Turbidity (Invalid)	12/18/2009	WA-20/40165	76.000	1.000	F
Turbidity (Invalid)	5/18/2010	WA-20/40316	82.000	1.000	F
Turbidity (Invalid)	12/ 7/2010	WA-20/40519	20.000	1.000	F
Turbidity (Invalid)	5/24/2011	WA-20/40687	11.000	0.100	F
Turbidity (Invalid)	11/ 9/2011	WA-20/40856	10.000	0.100	F
Turbidity (Invalid)	5/18/2012	WA-20/41047	9.000	0.100	F
Turbidity (Invalid)	11/ 2/2012	WA-20/41215	5.000	0.100	F
WA-8					
Field or Physical Parameters					
Dissolved Oxygen (mg/L)	6/14/2000	WA-8/36691	5.730	0.010	
Dissolved Oxygen (mg/L)	6/14/2000	WA-8/36691	5.430	0.010	
Dissolved Oxygen (mg/L)	6/14/2000	WA-8/36691	5.430	0.010	
Dissolved Oxygen (mg/L)	2/15/2001	WA-8/36937	7.580	0.010	
Dissolved Oxygen (mg/L)	8/15/2001	WA-8/37118	5.840	0.010	
Dissolved Oxygen (mg/L)	1/30/2002	WA-8/37286	9.300	0.100	
Dissolved Oxygen (mg/L)	11/12/2002	WA-8/37572	7.720	0.100	
Dissolved Oxygen (mg/L)	5/15/2003	WA-8/37756	0.140	0.100	
Dissolved Oxygen (mg/L)	11/12/2003	WA-8/37937	1.660	0.100	
Dissolved Oxygen (mg/L)	5/12/2004	WA-8/38119	0.850	0.100	
Dissolved Oxygen (mg/L)	11/11/2004	WA-8/38302	5.890	0.100	
Dissolved Oxygen (mg/L)	5/23/2005	WA-8/38495	0.000	0.100	F
Dissolved Oxygen (mg/L)	10/12/2005	WA-8/38637	0.540	0.100	F
Dissolved Oxygen (mg/L)	5/ 9/2006	WA-8/38846	2.670	0.100	F
Dissolved Oxygen (mg/L)	11/14/2006	WA-8/39035	0.880	0.100	F
Dissolved Oxygen (mg/L)	5/25/2007	WA-8/39227	1.300	0.010	F
Dissolved Oxygen (mg/L)	11/15/2007	WA-8/39401	2.800	0.010	F
Dissolved Oxygen (mg/L)	5/23/2008	WA-8/39591	3.200	0.010	F
Dissolved Oxygen (mg/L)	11/ 5/2008	WA-8/39757	1.940	0.010	F
Dissolved Oxygen (mg/L)	5/26/2009	WA-8/39959	2.100	0.010	F
Dissolved Oxygen (mg/L)	12/15/2009	WA-8/40162	1.700	0.010	F

Historical Field Parameters in Class III Area Corrective Action Assessment Monitoring Wells

Company: San Benito County **Data Group:** None
Site: John Smith Road Landfill **Date Range:** All thru 4q12
Program: SBC Groundwater **Permit:** WDR 2010-0021

Parameter (Unit)	Date	Sample ID	Result Value	Detection Limit	Code
Dissolved Oxygen (mg/L)	5/18/2010	WA-8/40316	2.600	0.010	F
Dissolved Oxygen (mg/L)	12/ 7/2010	WA-8/40519	1.400	0.010	F
Dissolved Oxygen (mg/L)	5/25/2011	WA-8/40688	1.600	0.010	F
Dissolved Oxygen (mg/L)	11/ 9/2011	WA-8/40856	3.900	0.010	F
Dissolved Oxygen (mg/L)	5/18/2012	WA-8/41047	1.900	0.010	F
Dissolved Oxygen (mg/L)	11/ 1/2012	WA-8/41214	2.300	0.010	F
ORP (mV)	5/ 8/2006	WA-8/38845	-130.100	1.000	F
ORP (mV)	5/25/2007	WA-8/39227	-189.600	1.000	F
ORP (mV)	11/15/2007	WA-8/39401	-97.000	1.000	F
ORP (mV)	5/23/2008	WA-8/39591	-68.000	0.010	F
ORP (mV)	11/ 5/2008	WA-8/39757	-117.000	0.010	F
ORP (mV)	5/26/2009	WA-8/39959	-54.000	0.010	F
ORP (mV)	12/15/2009	WA-8/40162	-111.000	0.010	F
ORP (mV)	5/18/2010	WA-8/40316	-4.000	0.010	F
ORP (mV)	12/ 7/2010	WA-8/40519	-63.500	0.010	F
ORP (mV)	11/ 9/2011	WA-8/40856	-19.200	0.010	F
ORP (mV)	5/18/2012	WA-8/41047	-36.900	0.010	F
ORP (mV)	11/ 1/2012	WA-8/41214	-151.000	0.010	F
pH (s.u.)	3/ 1/1989	WA-8/32568	7.720	0.000	
pH (s.u.)	5/ 1/1989	WA-8/32629	7.370	0.000	
pH (s.u.)	8/ 1/1989	WA-8/32721	7.260	0.000	
pH (s.u.)	11/ 8/1989	WA-8/32820	7.140	0.000	
pH (s.u.)	11/25/1991	WA-8/33567	7.050	0.000	
pH (s.u.)	6/14/2000	WA-8/36691	7.250	0.010	
pH (s.u.)	6/14/2000	WA-8/36691	7.260	0.010	
pH (s.u.)	6/14/2000	WA-8/36691	7.260	0.010	
pH (s.u.)	2/15/2001	WA-8/36937	7.320	0.010	
pH (s.u.)	8/15/2001	WA-8/37118	7.560	0.010	
pH (s.u.)	1/30/2002	WA-8/37286	7.160	0.010	F
pH (s.u.)	11/12/2002	WA-8/37572	7.430	0.010	F
pH (s.u.)	5/15/2003	WA-8/37756	7.310	0.010	F
pH (s.u.)	11/12/2003	WA-8/37937	7.400	0.010	F
pH (s.u.)	5/12/2004	WA-8/38119	7.420	0.010	F
pH (s.u.)	11/11/2004	WA-8/38302	7.380	0.010	F
pH (s.u.)	5/23/2005	WA-8/38495	7.380	0.010	F
pH (s.u.)	10/12/2005	WA-8/38637	7.680	0.010	F
pH (s.u.)	5/ 9/2006	WA-8/38846	7.430	0.010	F
pH (s.u.)	11/14/2006	WA-8/39035	7.550	0.010	F
pH (s.u.)	5/25/2007	WA-8/39227	7.410	0.010	F
pH (s.u.)	11/15/2007	WA-8/39401	7.570	0.010	F
pH (s.u.)	5/23/2008	WA-8/39591	7.710	0.010	F
pH (s.u.)	11/ 5/2008	WA-8/39757	8.220	0.010	F
pH (s.u.)	5/26/2009	WA-8/39959	7.650	0.010	F
pH (s.u.)	12/15/2009	WA-8/40162	7.730	0.010	F
pH (s.u.)	5/18/2010	WA-8/40316	8.650	0.010	F
pH (s.u.)	12/ 7/2010	WA-8/40519	7.360	0.010	F
pH (s.u.)	5/25/2011	WA-8/40688	7.690	0.010	F
pH (s.u.)	11/ 9/2011	WA-8/40856	7.670	0.010	F
pH (s.u.)	5/18/2012	WA-8/41047	7.560	0.010	F
pH (s.u.)	11/ 1/2012	WA-8/41214	7.500	0.010	F
Specific Conductance (µmhos/cm)	3/ 1/1989	WA-8/32568	6500.000	0.000	
Specific Conductance (µmhos/cm)	5/ 1/1989	WA-8/32629	7000.000	0.000	
Specific Conductance (µmhos/cm)	8/ 1/1989	WA-8/32721	7000.000	0.000	
Specific Conductance (µmhos/cm)	11/ 8/1989	WA-8/32820	6000.000	0.000	

Historical Field Parameters in Class III Area Corrective Action Assessment Monitoring Wells

Company: San Benito County **Data Group:** None
Site: John Smith Road Landfill **Date Range:** All thru 4q12
Program: SBC Groundwater **Permit:** WDR 2010-0021

Parameter (Unit)	Date	Sample ID	Result Value	Detection Limit	Code
Specific Conductance (µmhos/cm)	11/25/1991	WA-8/33567	<0.000	0.000	
Specific Conductance (µmhos/cm)	6/14/2000	WA-8/36691	6030.000	1.000	
Specific Conductance (µmhos/cm)	6/14/2000	WA-8/36691	5860.000	1.000	
Specific Conductance (µmhos/cm)	6/14/2000	WA-8/36691	5860.000	1.000	
Specific Conductance (µmhos/cm)	2/15/2001	WA-8/36937	7100.000	1.000	
Specific Conductance (µmhos/cm)	8/15/2001	WA-8/37118	5310.000	1.000	
Specific Conductance (µmhos/cm)	1/30/2002	WA-8/37286	5450.000	1.000	F
Specific Conductance (µmhos/cm)	11/12/2002	WA-8/37572	5210.000	1.000	F
Specific Conductance (µmhos/cm)	5/15/2003	WA-8/37756	5480.000	1.000	F
Specific Conductance (µmhos/cm)	11/12/2003	WA-8/37937	5860.000	1.000	F
Specific Conductance (µmhos/cm)	5/12/2004	WA-8/38119	6210.000	1.000	F
Specific Conductance (µmhos/cm)	11/11/2004	WA-8/38302	5440.000	1.000	F
Specific Conductance (µmhos/cm)	5/23/2005	WA-8/38495	5660.000	1.000	F
Specific Conductance (µmhos/cm)	10/12/2005	WA-8/38637	5480.000	1.000	F
Specific Conductance (µmhos/cm)	5/ 9/2006	WA-8/38846	5371.000	1.000	F
Specific Conductance (µmhos/cm)	11/14/2006	WA-8/39035	5260.000	1.000	F
Specific Conductance (µmhos/cm)	5/25/2007	WA-8/39227	4770.000	1.000	F
Specific Conductance (µmhos/cm)	11/15/2007	WA-8/39401	4723.000	1.000	F
Specific Conductance (µmhos/cm)	5/23/2008	WA-8/39591	4671.000	1.000	F
Specific Conductance (µmhos/cm)	11/ 5/2008	WA-8/39757	4930.000	1.000	F
Specific Conductance (µmhos/cm)	5/26/2009	WA-8/39959	4915.000	1.000	F
Specific Conductance (µmhos/cm)	12/15/2009	WA-8/40162	4912.000	1.000	F
Specific Conductance (µmhos/cm)	5/18/2010	WA-8/40316	6050.000	1.000	F
Specific Conductance (µmhos/cm)	12/ 7/2010	WA-8/40519	4595.000	1.000	F
Specific Conductance (µmhos/cm)	5/25/2011	WA-8/40688	4029.000	1.000	F
Specific Conductance (µmhos/cm)	11/ 9/2011	WA-8/40856	4240.000	1.000	F
Specific Conductance (µmhos/cm)	5/18/2012	WA-8/41047	4873.000	1.000	F
Specific Conductance (µmhos/cm)	11/ 1/2012	WA-8/41214	4393.000	1.000	F
Temperature (deg C)	6/14/2000	WA-8/36691	20.800	0.100	
Temperature (deg C)	6/14/2000	WA-8/36691	19.600	0.100	
Temperature (deg C)	6/14/2000	WA-8/36691	19.600	0.100	
Temperature (deg C)	2/15/2001	WA-8/36937	18.800	0.100	
Temperature (deg C)	8/15/2001	WA-8/37118	20.800	0.100	
Temperature (deg C)	1/30/2002	WA-8/37286	18.300	0.100	
Temperature (deg C)	11/12/2002	WA-8/37572	19.900	0.100	
Temperature (deg C)	5/15/2003	WA-8/37756	19.400	0.100	
Temperature (deg C)	11/12/2003	WA-8/37937	18.700	0.100	
Temperature (deg C)	5/12/2004	WA-8/38119	23.400	0.100	
Temperature (deg C)	11/11/2004	WA-8/38302	18.800	0.100	
Temperature (deg C)	5/23/2005	WA-8/38495	21.700	0.100	F
Temperature (deg C)	10/12/2005	WA-8/38637	21.900	0.100	F
Temperature (deg C)	5/ 9/2006	WA-8/38846	20.230	0.100	F
Temperature (deg C)	11/14/2006	WA-8/39035	19.900	0.100	F
Temperature (deg C)	5/25/2007	WA-8/39227	20.060	0.100	F
Temperature (deg C)	11/15/2007	WA-8/39401	20.010	0.100	F
Temperature (deg C)	5/23/2008	WA-8/39591	19.450	0.100	F
Temperature (deg C)	11/ 5/2008	WA-8/39757	19.500	0.100	F
Temperature (deg C)	5/26/2009	WA-8/39959	20.800	0.100	F
Temperature (deg C)	12/15/2009	WA-8/40162	19.400	0.100	F
Temperature (deg C)	5/18/2010	WA-8/40316	19.500	0.100	F
Temperature (deg C)	12/ 7/2010	WA-8/40519	19.600	0.100	F
Temperature (deg C)	5/25/2011	WA-8/40688	19.000	0.100	F
Temperature (deg C)	11/ 9/2011	WA-8/40856	19.600	0.100	F
Temperature (deg C)	5/18/2012	WA-8/41047	19.600	0.100	F

Historical Field Parameters in Class III Area Corrective Action Assessment Monitoring Wells

Company: San Benito County **Data Group:** None
Site: John Smith Road Landfill **Date Range:** All thru 4q12
Program: SBC Groundwater **Permit:** WDR 2010-0021

Parameter (Unit)	Date	Sample ID	Result Value	Detection Limit	Code
Temperature (deg C)	11/ 1/2012	WA-8/41214	19.500	0.100	F
Turbidity (Invalid)	11/25/1991	WA-8/33567	11.050	0.000	
Turbidity (Invalid)	6/14/2000	WA-8/36691	31.000	1.000	
Turbidity (Invalid)	6/14/2000	WA-8/36691	42.000	1.000	
Turbidity (Invalid)	6/14/2000	WA-8/36691	42.000	1.000	
Turbidity (Invalid)	2/15/2001	WA-8/36937	0.000	1.000	
Turbidity (Invalid)	8/15/2001	WA-8/37118	1.000	1.000	
Turbidity (Invalid)	1/30/2002	WA-8/37286	0.000	1.000	
Turbidity (Invalid)	11/12/2002	WA-8/37572	67.000	1.000	
Turbidity (Invalid)	5/15/2003	WA-8/37756	0.000	1.000	
Turbidity (Invalid)	11/12/2003	WA-8/37937	36.000	1.000	
Turbidity (Invalid)	5/12/2004	WA-8/38119	0.000	1.000	
Turbidity (Invalid)	11/11/2004	WA-8/38302	72.000	1.000	
Turbidity (Invalid)	5/23/2005	WA-8/38495	30.000	1.000	F
Turbidity (Invalid)	10/12/2005	WA-8/38637	126.000	1.000	F
Turbidity (Invalid)	5/ 9/2006	WA-8/38846	30.100	1.000	F
Turbidity (Invalid)	11/14/2006	WA-8/39035	119.000	1.000	F
Turbidity (Invalid)	5/25/2007	WA-8/39227	12.100	1.000	F
Turbidity (Invalid)	11/15/2007	WA-8/39401	0.000	1.000	F
Turbidity (Invalid)	5/23/2008	WA-8/39591	2.200	1.000	F
Turbidity (Invalid)	11/ 5/2008	WA-8/39757	16.000	1.000	F
Turbidity (Invalid)	5/26/2009	WA-8/39959	6.000	1.000	F
Turbidity (Invalid)	12/15/2009	WA-8/40162	23.000	1.000	F
Turbidity (Invalid)	5/18/2010	WA-8/40316	11.000	1.000	F
Turbidity (Invalid)	12/ 7/2010	WA-8/40519	13.000	1.000	F
Turbidity (Invalid)	5/25/2011	WA-8/40688	8.000	0.100	F
Turbidity (Invalid)	11/ 9/2011	WA-8/40856	6.000	0.100	F
Turbidity (Invalid)	5/18/2012	WA-8/41047	6.000	0.100	F
Turbidity (Invalid)	11/ 1/2012	WA-8/41214	5.000	0.100	F
WA-9					
Field or Physical Parameters					
Dissolved Oxygen (mg/L)	6/15/2000	WA-9/36692	8.430	0.010	
Dissolved Oxygen (mg/L)	6/15/2000	WA-9/36692	8.480	0.010	
Dissolved Oxygen (mg/L)	6/15/2000	WA-9/36692	8.480	0.010	
Dissolved Oxygen (mg/L)	11/12/2002	WA-9/37572	6.720	0.100	
Dissolved Oxygen (mg/L)	5/14/2003	WA-9/37755	5.120	0.100	
Dissolved Oxygen (mg/L)	11/12/2003	WA-9/37937	4.980	0.100	
Dissolved Oxygen (mg/L)	5/12/2004	WA-9/38119	6.930	0.100	
Dissolved Oxygen (mg/L)	11/ 9/2004	WA-9/38300	5.150	0.100	
Dissolved Oxygen (mg/L)	5/23/2005	WA-9/38495	6.180	0.100	F
Dissolved Oxygen (mg/L)	10/12/2005	WA-9/38637	4.400	0.100	F
Dissolved Oxygen (mg/L)	5/15/2006	WA-9/38852	3.980	0.100	F
Dissolved Oxygen (mg/L)	11/14/2006	WA-9/39035	3.370	0.100	F
Dissolved Oxygen (mg/L)	5/24/2007	WA-9/39226	2.700	0.010	F
Dissolved Oxygen (mg/L)	11/15/2007	WA-9/39401	4.300	0.010	F
Dissolved Oxygen (mg/L)	5/23/2008	WA-9/39591	1.900	0.010	F
Dissolved Oxygen (mg/L)	11/ 5/2008	WA-9/39757	4.390	0.010	F
Dissolved Oxygen (mg/L)	5/26/2009	WA-9/39959	4.200	0.010	F
Dissolved Oxygen (mg/L)	12/15/2009	WA-9/40162	4.000	0.010	F
Dissolved Oxygen (mg/L)	5/18/2010	WA-9/40316	7.600	0.010	F
Dissolved Oxygen (mg/L)	12/ 7/2010	WA-9/40519	3.140	0.010	F
Dissolved Oxygen (mg/L)	5/25/2011	WA-9/40688	5.200	0.010	F
Dissolved Oxygen (mg/L)	11/ 9/2011	WA-9/40856	4.800	0.010	F

Historical Field Parameters in Class III Area Corrective Action Assessment Monitoring Wells

Company: San Benito County **Data Group:** None
Site: John Smith Road Landfill **Date Range:** All thru 4q12
Program: SBC Groundwater **Permit:** WDR 2010-0021

Parameter (Unit)	Date	Sample ID	Result Value	Detection Limit	Code
Dissolved Oxygen (mg/L)	5/18/2012	WA-9/41047	3.900	0.010	F
Dissolved Oxygen (mg/L)	11/ 2/2012	WA-9/41215	3.600	0.010	F
ORP (mV)	5/10/2006	WA-9/38847	-38.200	1.000	F
ORP (mV)	5/24/2007	WA-9/39226	-79.700	1.000	F
ORP (mV)	11/15/2007	WA-9/39401	-130.000	1.000	F
ORP (mV)	5/23/2008	WA-9/39591	-112.000	0.010	F
ORP (mV)	11/ 5/2008	WA-9/39757	-162.000	0.010	F
ORP (mV)	5/26/2009	WA-9/39959	-129.000	0.010	F
ORP (mV)	12/15/2009	WA-9/40162	-155.000	0.010	F
ORP (mV)	5/18/2010	WA-9/40316	-33.000	0.010	F
ORP (mV)	12/ 7/2010	WA-9/40519	-123.000	0.010	F
ORP (mV)	11/ 9/2011	WA-9/40856	-25.300	0.010	F
ORP (mV)	5/18/2012	WA-9/41047	-89.600	0.010	F
ORP (mV)	11/ 2/2012	WA-9/41215	-197.000	0.010	F
pH (s.u.)	3/ 1/1989	WA-9/32568	8.350	0.000	
pH (s.u.)	5/ 1/1989	WA-9/32629	7.730	0.000	
pH (s.u.)	8/ 1/1989	WA-9/32721	7.590	0.000	
pH (s.u.)	11/ 7/1989	WA-9/32819	7.640	0.000	
pH (s.u.)	11/25/1991	WA-9/33567	7.240	0.000	
pH (s.u.)	6/15/2000	WA-9/36692	7.590	0.010	
pH (s.u.)	6/15/2000	WA-9/36692	7.700	0.010	
pH (s.u.)	6/15/2000	WA-9/36692	7.700	0.010	
pH (s.u.)	11/12/2002	WA-9/37572	7.780	0.010	F
pH (s.u.)	5/14/2003	WA-9/37755	7.850	0.010	F
pH (s.u.)	11/12/2003	WA-9/37937	7.840	0.010	F
pH (s.u.)	5/12/2004	WA-9/38119	7.920	0.010	F
pH (s.u.)	11/ 9/2004	WA-9/38300	7.690	0.010	F
pH (s.u.)	5/23/2005	WA-9/38495	7.750	0.010	F
pH (s.u.)	10/12/2005	WA-9/38637	8.130	0.010	F
pH (s.u.)	5/15/2006	WA-9/38852	7.800	0.010	F
pH (s.u.)	11/14/2006	WA-9/39035	7.780	0.010	F
pH (s.u.)	5/24/2007	WA-9/39226	7.790	0.010	F
pH (s.u.)	11/15/2007	WA-9/39401	7.920	0.010	F
pH (s.u.)	5/23/2008	WA-9/39591	7.790	0.010	F
pH (s.u.)	11/ 5/2008	WA-9/39757	8.550	0.010	F
pH (s.u.)	5/26/2009	WA-9/39959	7.830	0.010	F
pH (s.u.)	12/15/2009	WA-9/40162	7.790	0.010	F
pH (s.u.)	5/18/2010	WA-9/40316	8.780	0.010	F
pH (s.u.)	12/ 7/2010	WA-9/40519	7.620	0.010	F
pH (s.u.)	5/25/2011	WA-9/40688	7.990	0.010	F
pH (s.u.)	11/ 9/2011	WA-9/40856	8.000	0.010	F
pH (s.u.)	5/18/2012	WA-9/41047	8.040	0.010	F
pH (s.u.)	11/ 2/2012	WA-9/41215	7.450	0.010	F
Specific Conductance (µmhos/cm)	3/ 1/1989	WA-9/32568	1800.000	0.000	
Specific Conductance (µmhos/cm)	5/ 1/1989	WA-9/32629	1900.000	0.000	
Specific Conductance (µmhos/cm)	8/ 1/1989	WA-9/32721	1800.000	0.000	
Specific Conductance (µmhos/cm)	11/ 7/1989	WA-9/32819	1875.000	0.000	
Specific Conductance (µmhos/cm)	11/25/1991	WA-9/33567	1650.000	0.000	
Specific Conductance (µmhos/cm)	6/15/2000	WA-9/36692	2010.000	1.000	
Specific Conductance (µmhos/cm)	6/15/2000	WA-9/36692	2060.000	1.000	
Specific Conductance (µmhos/cm)	6/15/2000	WA-9/36692	2060.000	1.000	
Specific Conductance (µmhos/cm)	11/12/2002	WA-9/37572	2040.000	1.000	F
Specific Conductance (µmhos/cm)	5/14/2003	WA-9/37755	2020.000	1.000	F
Specific Conductance (µmhos/cm)	11/12/2003	WA-9/37937	2080.000	1.000	F

Historical Field Parameters in Class III Area Corrective Action Assessment Monitoring Wells

Company: San Benito County **Data Group:** None
Site: John Smith Road Landfill **Date Range:** All thru 4q12
Program: SBC Groundwater **Permit:** WDR 2010-0021

Parameter (Unit)	Date	Sample ID	Result Value	Detection Limit	Code
Specific Conductance (µmhos/cm)	5/12/2004	WA-9/38119	2190.000	1.000	F
Specific Conductance (µmhos/cm)	11/ 9/2004	WA-9/38300	2070.000	1.000	F
Specific Conductance (µmhos/cm)	5/23/2005	WA-9/38495	2000.000	1.000	F
Specific Conductance (µmhos/cm)	10/12/2005	WA-9/38637	1960.000	1.000	F
Specific Conductance (µmhos/cm)	5/15/2006	WA-9/38852	1944.000	1.000	F
Specific Conductance (µmhos/cm)	11/14/2006	WA-9/39035	1940.000	1.000	F
Specific Conductance (µmhos/cm)	5/24/2007	WA-9/39226	1958.000	1.000	F
Specific Conductance (µmhos/cm)	11/15/2007	WA-9/39401	1879.000	1.000	F
Specific Conductance (µmhos/cm)	5/23/2008	WA-9/39591	1814.000	1.000	F
Specific Conductance (µmhos/cm)	11/ 5/2008	WA-9/39757	1959.000	1.000	F
Specific Conductance (µmhos/cm)	5/26/2009	WA-9/39959	1910.000	1.000	F
Specific Conductance (µmhos/cm)	12/15/2009	WA-9/40162	1860.000	1.000	F
Specific Conductance (µmhos/cm)	5/18/2010	WA-9/40316	2142.000	1.000	F
Specific Conductance (µmhos/cm)	12/ 7/2010	WA-9/40519	1759.000	1.000	F
Specific Conductance (µmhos/cm)	5/25/2011	WA-9/40688	1398.000	1.000	F
Specific Conductance (µmhos/cm)	11/ 9/2011	WA-9/40856	1636.000	1.000	F
Specific Conductance (µmhos/cm)	5/18/2012	WA-9/41047	1811.000	1.000	F
Specific Conductance (µmhos/cm)	11/ 2/2012	WA-9/41215	1783.000	1.000	F
Temperature (deg C)	6/15/2000	WA-9/36692	19.500	0.100	
Temperature (deg C)	6/15/2000	WA-9/36692	18.500	0.100	
Temperature (deg C)	6/15/2000	WA-9/36692	18.500	0.100	
Temperature (deg C)	11/12/2002	WA-9/37572	18.800	0.100	
Temperature (deg C)	5/14/2003	WA-9/37755	18.300	0.100	
Temperature (deg C)	11/12/2003	WA-9/37937	18.500	0.100	
Temperature (deg C)	5/12/2004	WA-9/38119	22.100	0.100	
Temperature (deg C)	11/ 9/2004	WA-9/38300	18.200	0.100	
Temperature (deg C)	5/23/2005	WA-9/38495	19.600	0.100	F
Temperature (deg C)	10/12/2005	WA-9/38637	20.200	0.100	F
Temperature (deg C)	5/15/2006	WA-9/38852	18.900	0.100	F
Temperature (deg C)	11/14/2006	WA-9/39035	19.500	0.100	F
Temperature (deg C)	5/24/2007	WA-9/39226	17.910	0.100	F
Temperature (deg C)	11/15/2007	WA-9/39401	19.600	0.100	F
Temperature (deg C)	5/23/2008	WA-9/39591	17.110	0.100	F
Temperature (deg C)	11/ 5/2008	WA-9/39757	18.800	0.100	F
Temperature (deg C)	5/26/2009	WA-9/39959	20.500	0.100	F
Temperature (deg C)	12/15/2009	WA-9/40162	15.500	0.100	F
Temperature (deg C)	5/18/2010	WA-9/40316	17.800	0.100	F
Temperature (deg C)	12/ 7/2010	WA-9/40519	18.100	0.100	F
Temperature (deg C)	5/25/2011	WA-9/40688	17.200	0.100	F
Temperature (deg C)	11/ 9/2011	WA-9/40856	18.000	0.100	F
Temperature (deg C)	5/18/2012	WA-9/41047	17.300	0.100	F
Temperature (deg C)	11/ 2/2012	WA-9/41215	18.500	0.100	F
Turbidity (Invalid)	11/25/1991	WA-9/33567	12.560	0.000	
Turbidity (Invalid)	6/15/2000	WA-9/36692	84.000	1.000	
Turbidity (Invalid)	6/15/2000	WA-9/36692	39.000	1.000	
Turbidity (Invalid)	6/15/2000	WA-9/36692	39.000	1.000	
Turbidity (Invalid)	11/12/2002	WA-9/37572	77.000	1.000	
Turbidity (Invalid)	5/14/2003	WA-9/37755	7.000	1.000	
Turbidity (Invalid)	11/12/2003	WA-9/37937	56.000	1.000	
Turbidity (Invalid)	5/12/2004	WA-9/38119	142.000	1.000	
Turbidity (Invalid)	11/ 9/2004	WA-9/38300	60.000	1.000	
Turbidity (Invalid)	5/23/2005	WA-9/38495	13.000	1.000	F
Turbidity (Invalid)	10/12/2005	WA-9/38637	23.000	1.000	F
Turbidity (Invalid)	5/15/2006	WA-9/38852	0.000	1.000	F

Historical Field Parameters in Class III Area Corrective Action Assessment Monitoring Wells

Company:	San Benito County	**Data Group:**	None
Site:	John Smith Road Landfill	**Date Range:**	All thru 4q12
Program:	SBC Groundwater	**Permit:**	WDR 2010-0021

Parameter (Unit)	Date	Sample ID	Result Value	Detection Limit	Code
Turbidity (Invalid)	11/14/2006	WA-9/39035	65.000	1.000	F
Turbidity (Invalid)	5/24/2007	WA-9/39226	20.600	1.000	F
Turbidity (Invalid)	11/15/2007	WA-9/39401	0.000	1.000	F
Turbidity (Invalid)	5/23/2008	WA-9/39591	1.000	1.000	F
Turbidity (Invalid)	11/ 5/2008	WA-9/39757	47.000	1.000	F
Turbidity (Invalid)	5/26/2009	WA-9/39959	7.000	1.000	F
Turbidity (Invalid)	12/15/2009	WA-9/40162	15.000	1.000	F
Turbidity (Invalid)	5/18/2010	WA-9/40316	19.000	0.000	F
Turbidity (Invalid)	5/25/2011	WA-9/40688	8.000	0.100	F
Turbidity (Invalid)	11/ 9/2011	WA-9/40856	8.000	0.100	F
Turbidity (Invalid)	5/18/2012	WA-9/41047	7.000	0.100	F
Turbidity (Invalid)	11/ 2/2012	WA-9/41215	8.000	0.100	F

End of report

Historical Detected VOCs in Class III Area Detection Monitoring Program Wells

Company:	San Benito County	**Data Group:**	None
Site:	John Smith Road Landfill	**Date Range:**	All thru 4q12
Program:	SBC Groundwater	**Permit:**	WDR 2010-0021

Parameter (Unit)	Date	Sample ID	Result Value	Detection Limit	Code
CP-25					
Volatile Organic Compounds					
Acetone (µg/L)	5/11/2004	CP-25/38118	1.900	1.800	J,A
Methylene chloride (µg/L)	3/15/2002	CP-25/37330	0.068	0.060	J,T
Naphthalene (µg/L)	1/29/2002	CP-25/37285	1.200	0.100	
Naphthalene (µg/L)	3/15/2002	CP-25/37330	0.270	0.100	A,J
Naphthalene (µg/L)	11/13/2003	CP-25/37938	1.100	0.100	B
Naphthalene (µg/L)	5/11/2004	CP-25/38118	0.560	0.100	J
Toluene (µg/L)	1/29/2002	CP-25/37285	0.070	0.070	J
E-15					
Volatile Organic Compounds					
1,1-Dichloroethane (µg/L)	1/31/2002	E-15/37287	0.099	0.040	J
1,1-Dichloroethane (µg/L)	11/13/2002	E-15/37573	0.069	0.040	J
1,2-Dichloroethane (µg/L)	10/ 5/2000	E-15/36804	0.141	0.080	J
1,2-Dichloropropane (µg/L)	10/ 5/2000	E-15/36804	0.376	0.070	J
Acetone (µg/L)	11/ 9/2006	E-15/39030	1.600	0.960	J,A
Chloromethane (µg/L)	5/13/2003	E-15/37754	0.700	0.140	J
cis-1,2-Dichloroethene (µg/L)	10/ 5/2000	E-15/36804	0.647	0.090	J
cis-1,2-Dichloroethene (µg/L)	1/31/2002	E-15/37287	0.530	0.090	J
cis-1,2-Dichloroethene (µg/L)	11/13/2002	E-15/37573	0.240	0.090	J
cis-1,2-Dichloroethene (µg/L)	5/13/2003	E-15/37754	0.290	0.090	J
Dichlorodifluoromethane (µg/L)	8/29/2000	E-15/36767	0.150	0.090	J
Dichlorodifluoromethane (µg/L)	10/ 5/2000	E-15/36804	0.186	0.090	J
Dichlorodifluoromethane (µg/L)	2/16/2001	E-15/36938	0.231	0.090	J
Dichlorodifluoromethane (µg/L)	8/15/2001	E-15/37118	0.150	1.000	J
Dichlorodifluoromethane (µg/L)	11/11/2003	E-15/37936	0.170	0.090	J
Dichlorodifluoromethane (µg/L)	5/11/2004	E-15/38118	0.240	0.090	J
Dichlorodifluoromethane (µg/L)	11/10/2004	E-15/38301	0.230	0.090	J
Dichlorodifluoromethane (µg/L)	11/ 9/2006	E-15/39030	0.180	0.160	J
Dichlorodifluoromethane (µg/L)	5/29/2009	E-15/39962	0.370	0.220	J
Dichlorodifluoromethane (µg/L)	12/18/2009	E-15/40165	0.280	0.110	J
Dichlorodifluoromethane (µg/L)	12/ 9/2010	E-15/40521	0.250	0.099	J
Dichlorodifluoromethane (µg/L)	5/26/2011	E-15/40689	0.350	0.099	J
Dichlorodifluoromethane (µg/L)	11/ 8/2011	E-15/40855	0.130	0.099	J
Dichlorodifluoromethane (µg/L)	11/ 8/2011	E-15/40855	0.160	0.099	D,J
Dichlorodifluoromethane (µg/L)	5/17/2012	E-15/41046	0.390	0.099	J
Dichlorodifluoromethane (µg/L)	11/ 1/2012	E-15/41214	0.300	0.099	J
Methylene chloride (µg/L)	11/10/2004	E-15/38301	0.310	0.060	J
Methylene chloride (µg/L)	11/ 9/2006	E-15/39030	0.210	0.170	J
Tetrachloroethene (µg/L)	10/ 5/2000	E-15/36804	0.182	0.080	J
Trichloroethene (µg/L)	8/29/2000	E-15/36767	0.224	0.060	J
Trichloroethene (µg/L)	10/ 5/2000	E-15/36804	0.689	0.060	J
Trichloroethene (µg/L)	1/31/2002	E-15/37287	0.470	0.060	J
Trichloroethene (µg/L)	11/13/2002	E-15/37573	0.350	0.060	J
Trichloroethene (µg/L)	5/13/2003	E-15/37754	0.960	0.060	J
Trichloroethene (µg/L)	11/11/2003	E-15/37936	0.060	0.060	J
Trichloroethene (µg/L)	5/11/2004	E-15/38118	0.063	0.060	J,B
E-2					
Volatile Organic Compounds					
1,2-Dichloropropane (µg/L)	8/ 6/2002	E-2/37474	0.510	0.070	J
1,2-Dichloropropane (µg/L)	10/ 2/2002	E-2/37531	0.480	0.070	J
1,2-Dichloropropane (µg/L)	5/13/2003	E-2/37754	0.360	0.070	D,J

Historical Detected VOCs in Class III Area Detection Monitoring Program Wells

Company:	San Benito County	**Data Group:**	None
Site:	John Smith Road Landfill	**Date Range:**	All thru 4q12
Program:	SBC Groundwater	**Permit:**	WDR 2010-0021

Parameter (Unit)	Date	Sample ID	Result Value	Detection Limit	Code
1,2-Dichloropropane (µg/L)	5/13/2003	E-2/37754	0.390	0.070	J
1,2-Dichloropropane (µg/L)	11/12/2003	E-2/37937	0.280	0.070	D,J
1,2-Dichloropropane (µg/L)	11/12/2003	E-2/37937	0.330	0.070	J
1,2-Dichloropropane (µg/L)	5/10/2004	E-2/38117	0.300	0.070	J
1,2-Dichloropropane (µg/L)	12/18/2009	E-2/40165	0.160	0.120	J
Acetone (µg/L)	10/ 2/2002	E-2/37531	2.700	1.800	A,J
Acetone (µg/L)	11/ 9/2006	E-2/39030	1.800	0.960	D,J
Acetone (µg/L)	11/ 9/2006	E-2/39030	1.800	0.960	J,A
cis-1,2-Dichloroethene (µg/L)	8/ 6/2002	E-2/37474	0.240	0.090	J
cis-1,2-Dichloroethene (µg/L)	10/ 2/2002	E-2/37531	0.230	0.090	J
cis-1,2-Dichloroethene (µg/L)	11/12/2003	E-2/37937	0.140	0.090	D,J
cis-1,2-Dichloroethene (µg/L)	11/12/2003	E-2/37937	0.130	0.090	J
cis-1,2-Dichloroethene (µg/L)	5/10/2004	E-2/38117	0.130	0.090	J
Methylene chloride (µg/L)	5/13/2003	E-2/37754	0.520	0.060	B,J
Methylene chloride (µg/L)	11/10/2004	E-2/38301	0.330	0.060	D,J,B
Toluene (µg/L)	5/13/2003	E-2/37754	0.110	0.070	D,J
Toluene (µg/L)	5/13/2003	E-2/37754	0.110	0.070	J
WA-11					
Volatile Organic Compounds					
1,2,3-Trichlorobenzene (µg/L)	8/15/2001	WA-11/37118	0.170	1.000	J
1,2,4-Trichlorobenzene (µg/L)	8/15/2001	WA-11/37118	0.110	1.000	J
Acetone (µg/L)	5/12/2004	WA-11/38119	1.800	1.800	J,A
Acetone (µg/L)	11/14/2006	WA-11/39035	2.400	0.960	J,A
cis-1,2-Dichloroethene (µg/L)	5/23/2008	WA-11/39591	0.320	0.320	J
Ethylbenzene (µg/L)	3/ 1/1989	WA-11/32568	0.940	0.000	
Trichloroethene (µg/L)	5/23/2008	WA-11/39591	0.220	0.190	J
WA-15					
Volatile Organic Compounds					
Acetone (µg/L)	11/13/2002	WA-15/37573	3.800	1.800	J
Acetone (µg/L)	11/14/2006	WA-15/39035	1.600	0.960	J,A
Naphthalene (µg/L)	2/16/2001	WA-15/36938	0.128	0.100	J,A
Trichloroethene (µg/L)	8/16/2001	WA-15/37119	0.082	1.000	A,J

End of report

Historical Detected VOCs in Class III Area Corrective Action Assessment Monitoring Wells

Company:	San Benito County	**Data Group:**	None
Site:	John Smith Road Landfill	**Date Range:**	All thru 4q12
Program:	SBC Groundwater	**Permit:**	WDR 2010-0021

Parameter (Unit)	Date	Sample ID	Result Value	Detection Limit	Code
CP-30					
Volatile Organic Compounds					
1,1,1-Trichloroethane (µg/L)	11/10/2004	CP-30/38301	0.190	0.050	J
1,1,1-Trichloroethane (µg/L)	11/10/2004	CP-30/38301	0.190	0.050	D,J
2-Butanone (µg/L)	4/22/2004	CP-30/38099	0.870	0.700	J
Acetone (µg/L)	4/22/2004	CP-30/38099	2.500	1.800	J
Acetone (µg/L)	5/13/2004	CP-30/38120	3.300	1.800	J,A
Acetone (µg/L)	11/ 9/2006	CP-30/39030	1.400	0.960	J,A
Chloroform (µg/L)	4/22/2004	CP-30/38099	0.096	0.070	J
Methylene chloride (µg/L)	5/13/2004	CP-30/38120	0.082	0.060	J,A
Methylene chloride (µg/L)	11/10/2004	CP-30/38301	0.100	0.060	J
Naphthalene (µg/L)	5/13/2004	CP-30/38120	0.260	0.100	B,J
Naphthalene (µg/L)	11/10/2004	CP-30/38301	0.130	0.100	J
Naphthalene (µg/L)	11/10/2004	CP-30/38301	0.110	0.100	D,J
Styrene (µg/L)	5/13/2004	CP-30/38120	0.250	0.090	J
Styrene (µg/L)	5/12/2005	CP-30/38484	0.670	0.170	
Styrene (µg/L)	5/12/2005	CP-30/38484d	0.670	0.170	
Toluene (µg/L)	5/13/2004	CP-30/38120	0.120	0.070	J
CP-31					
Volatile Organic Compounds					
Acetone (µg/L)	4/22/2004	CP-31/38099	4.100	1.800	J
Acetone (µg/L)	5/13/2004	CP-31/38120	1.800	1.800	J,A
Bromodichloromethane (µg/L)	4/22/2004	CP-31/38099	0.120	0.050	J
Chloroform (µg/L)	4/22/2004	CP-31/38099	0.430	0.070	J
Chloroform (µg/L)	5/13/2004	CP-31/38120	0.079	0.070	A,B,J
cis-1,2-Dichloroethene (µg/L)	5/17/2005	CP-31/38489	0.150	0.150	
Dibromochloromethane (µg/L)	4/22/2004	CP-31/38099	0.099	0.060	J
Dichlorodifluoromethane (µg/L)	5/13/2004	CP-31/38120	0.093	0.090	J
Methane (µg/L)	6/27/2006	CP-31/38895	4.800	1.000	
Methylene chloride (µg/L)	4/22/2004	CP-31/38099	0.220	0.060	B,J
Methylene chloride (µg/L)	5/13/2004	CP-31/38120	0.110	0.060	J,A
Methylene chloride (µg/L)	11/10/2004	CP-31/38301	0.120	0.060	J
Styrene (µg/L)	5/13/2004	CP-31/38120	0.220	0.090	J
Tetrachloroethene (µg/L)	5/19/2010	CP-31/40317	0.130	0.130	
Vinyl chloride (µg/L)	5/13/2004	CP-31/38120	0.066	0.060	J
G-32					
Volatile Organic Compounds					
1,1-Dichloroethane (µg/L)	5/24/2007	G-32/39226	0.190	0.110	J
1,1-Dichloroethane (µg/L)	11/14/2007	G-32/39400	0.150	0.110	J
1,1-Dichloroethane (µg/L)	12/15/2009	G-32/40162	0.140	0.081	J
1,1-Dichloroethane (µg/L)	12/10/2010	G-32/40522	0.190	0.110	J
1,1-Dichloroethane (µg/L)	5/26/2011	G-32/40689	0.250	0.110	J
1,1-Dichloroethane (µg/L)	11/11/2011	G-32/40858	0.240	0.110	J
1,1-Dichloroethane (µg/L)	5/16/2012	G-32/41045	0.320	0.110	J
1,1-Dichloroethane (µg/L)	10/30/2012	G-32/41212	0.230	0.110	J
1,2,4-Trimethylbenzene (µg/L)	12/10/2010	G-32/40522	0.240	0.120	J
1,2-Dichloroethane (µg/L)	8/28/2006	G-32/38957	0.920	0.140	J
1,2-Dichloroethane (µg/L)	11/14/2006	G-32/39035	0.990	0.140	J
1,2-Dichloroethane (µg/L)	5/24/2007	G-32/39226	0.860	0.130	
1,2-Dichloroethane (µg/L)	5/23/2008	G-32/39591	0.520	0.240	J

Historical Detected VOCs in Class III Area Corrective Action Assessment Monitoring Wells

Company: San Benito County **Data Group:** None
Site: John Smith Road Landfill **Date Range:** All thru 4q12
Program: SBC Groundwater **Permit:** WDR 2010-0021

Parameter (Unit)	Date	Sample ID	Result Value	Detection Limit	Code
1,2-Dichloroethane (µg/L)	5/28/2009	G-32/39961	0.520	0.240	
1,2-Dichloroethane (µg/L)	5/20/2010	G-32/40318	0.500	0.140	
1,2-Dichloroethane (µg/L)	11/11/2011	G-32/40858	0.600	0.170	J
1,2-Dichloroethane (µg/L)	5/16/2012	G-32/41045	0.780	0.170	J
1,2-Dichloroethane (µg/L)	10/30/2012	G-32/41212	0.460	0.170	J
1,2-Dichloropropane (µg/L)	8/28/2006	G-32/38957	1.700	0.170	
1,2-Dichloropropane (µg/L)	11/14/2006	G-32/39035	1.700	0.170	
1,2-Dichloropropane (µg/L)	5/24/2007	G-32/39226	1.800	0.120	
1,2-Dichloropropane (µg/L)	5/23/2008	G-32/39591	1.100	0.410	
1,2-Dichloropropane (µg/L)	11/ 7/2008	G-32/39759	0.870	0.160	J
1,2-Dichloropropane (µg/L)	5/28/2009	G-32/39961	1.300	0.160	
1,2-Dichloropropane (µg/L)	5/20/2010	G-32/40318	1.100	0.120	
1,2-Dichloropropane (µg/L)	12/10/2010	G-32/40522	1.500	0.130	
1,2-Dichloropropane (µg/L)	5/26/2011	G-32/40689	1.600	0.130	D
1,2-Dichloropropane (µg/L)	5/26/2011	G-32/40689	1.600	0.130	
1,2-Dichloropropane (µg/L)	11/11/2011	G-32/40858	1.500	0.130	
1,2-Dichloropropane (µg/L)	5/16/2012	G-32/41045	1.700	0.130	
1,2-Dichloropropane (µg/L)	10/30/2012	G-32/41212	1.500	0.130	
1,4-Dichlorobenzene (µg/L)	5/24/2007	G-32/39226	0.150	0.089	J
Acetone (µg/L)	11/14/2006	G-32/39035	2.200	0.960	J,A
Benzene (µg/L)	8/28/2006	G-32/38957	0.190	0.150	J
Benzene (µg/L)	11/14/2006	G-32/39035	0.160	0.150	J
Benzene (µg/L)	12/10/2010	G-32/40522	0.200	0.083	J
Benzene (µg/L)	11/11/2011	G-32/40858	0.090	0.083	J
Chlorobenzene (µg/L)	8/28/2006	G-32/38957	0.660	0.150	J
Chlorobenzene (µg/L)	11/14/2006	G-32/39035	0.620	0.150	J
Chlorobenzene (µg/L)	5/24/2007	G-32/39226	0.540	0.110	
Chlorobenzene (µg/L)	5/26/2011	G-32/40689	0.340	0.093	D,J
Chloroform (µg/L)	8/28/2006	G-32/38957	0.120	0.081	J
cis-1,2-Dichloroethene (µg/L)	8/28/2006	G-32/38957	7.300	0.200	
cis-1,2-Dichloroethene (µg/L)	11/14/2006	G-32/39035	6.400	0.200	
cis-1,2-Dichloroethene (µg/L)	5/24/2007	G-32/39226	6.100	0.130	
cis-1,2-Dichloroethene (µg/L)	11/14/2007	G-32/39400	4.300	0.110	
cis-1,2-Dichloroethene (µg/L)	5/23/2008	G-32/39591	4.200	0.320	
cis-1,2-Dichloroethene (µg/L)	11/ 7/2008	G-32/39759	2.400	0.320	
cis-1,2-Dichloroethene (µg/L)	5/28/2009	G-32/39961	4.700	0.320	
cis-1,2-Dichloroethene (µg/L)	12/15/2009	G-32/40162	2.600	0.110	
cis-1,2-Dichloroethene (µg/L)	5/20/2010	G-32/40318	5.300	0.110	
cis-1,2-Dichloroethene (µg/L)	12/10/2010	G-32/40522	6.500	0.085	
cis-1,2-Dichloroethene (µg/L)	5/26/2011	G-32/40689	7.300	0.085	D
cis-1,2-Dichloroethene (µg/L)	5/26/2011	G-32/40689	7.200	0.085	
cis-1,2-Dichloroethene (µg/L)	11/11/2011	G-32/40858	5.700	0.085	
cis-1,2-Dichloroethene (µg/L)	5/16/2012	G-32/41045	7.200	0.085	
cis-1,2-Dichloroethene (µg/L)	10/30/2012	G-32/41212	4.600	0.085	
Dichlorodifluoromethane (µg/L)	8/28/2006	G-32/38957	1.500	0.160	
Dichlorodifluoromethane (µg/L)	11/14/2006	G-32/39035	0.680	0.160	J
Dichlorodifluoromethane (µg/L)	5/24/2007	G-32/39226	1.300	0.085	
Dichlorodifluoromethane (µg/L)	5/20/2010	G-32/40318	0.730	0.110	
Dichlorodifluoromethane (µg/L)	12/10/2010	G-32/40522	0.510	0.099	
Dichlorodifluoromethane (µg/L)	5/26/2011	G-32/40689	1.300	0.099	D
Dichlorodifluoromethane (µg/L)	5/26/2011	G-32/40689	1.200	0.099	
Dichlorodifluoromethane (µg/L)	11/11/2011	G-32/40858	0.850	0.099	J

Historical Detected VOCs in Class III Area Corrective Action Assessment Monitoring Wells

Company: San Benito County **Data Group:** None
Site: John Smith Road Landfill **Date Range:** All thru 4q12
Program: SBC Groundwater **Permit:** WDR 2010-0021

Parameter (Unit)	Date	Sample ID	Result Value	Detection Limit	Code
Dichlorodifluoromethane (µg/L)	5/16/2012	G-32/41045	0.890	0.099	J
Dichlorodifluoromethane (µg/L)	10/30/2012	G-32/41212	0.510	0.099	
Ethylbenzene (µg/L)	12/10/2010	G-32/40522	0.160	0.098	J
m/p-Xylene (µg/L)	12/10/2010	G-32/40522	0.360	0.280	J
Methyl tert-butyl ether (µg/L)	11/14/2006	G-32/39035	0.170	0.120	J
Methyl tert-butyl ether (µg/L)	5/24/2007	G-32/39226	0.130	0.130	J
Methyl tert-butyl ether (µg/L)	5/26/2011	G-32/40689	0.200	0.110	D,J
Methyl tert-butyl ether (µg/L)	5/16/2012	G-32/41045	0.190	0.110	J
Methylene chloride (µg/L)	8/28/2006	G-32/38957	1.600	0.170	B
Methylene chloride (µg/L)	11/14/2006	G-32/39035	0.490	0.170	J
o-Xylene (µg/L)	12/10/2010	G-32/40522	0.150	0.082	J
Tetrachloroethene (µg/L)	8/28/2006	G-32/38957	4.000	0.130	
Tetrachloroethene (µg/L)	11/14/2006	G-32/39035	2.800	0.130	
Tetrachloroethene (µg/L)	5/24/2007	G-32/39226	3.400	0.110	
Tetrachloroethene (µg/L)	11/14/2007	G-32/39400	3.200	0.110	
Tetrachloroethene (µg/L)	5/23/2008	G-32/39591	3.000	0.280	
Tetrachloroethene (µg/L)	11/ 7/2008	G-32/39759	0.440	0.280	J
Tetrachloroethene (µg/L)	5/28/2009	G-32/39961	3.100	0.280	
Tetrachloroethene (µg/L)	12/15/2009	G-32/40162	3.100	0.130	
Tetrachloroethene (µg/L)	5/20/2010	G-32/40318	2.200	0.130	
Tetrachloroethene (µg/L)	12/10/2010	G-32/40522	3.200	0.130	
Tetrachloroethene (µg/L)	5/26/2011	G-32/40689	3.800	0.130	D
Tetrachloroethene (µg/L)	5/26/2011	G-32/40689	3.400	0.130	
Tetrachloroethene (µg/L)	11/11/2011	G-32/40858	3.300	0.130	
Tetrachloroethene (µg/L)	5/16/2012	G-32/41045	3.800	0.130	
Tetrachloroethene (µg/L)	10/30/2012	G-32/41212	2.800	0.130	
Toluene (µg/L)	5/20/2010	G-32/40318	0.340	0.093	
Toluene (µg/L)	12/10/2010	G-32/40522	0.230	0.093	J
Toluene (µg/L)	11/11/2011	G-32/40858	0.140	0.093	J
Toluene (µg/L)	10/30/2012	G-32/41212	0.110	0.093	J
trans-1,2-Dichloroethene (µg/L)	11/14/2007	G-32/39400	0.140	0.140	J
trans-1,2-Dichloroethene (µg/L)	5/20/2010	G-32/40318	0.200	0.097	
trans-1,2-Dichloroethene (µg/L)	12/10/2010	G-32/40522	0.210	0.150	J
trans-1,2-Dichloroethene (µg/L)	5/26/2011	G-32/40689	0.250	0.150	D,J
trans-1,2-Dichloroethene (µg/L)	5/26/2011	G-32/40689	0.240	0.150	J
trans-1,2-Dichloroethene (µg/L)	11/11/2011	G-32/40858	0.160	0.150	J
trans-1,2-Dichloroethene (µg/L)	5/16/2012	G-32/41045	0.250	0.150	J
trans-1,2-Dichloroethene (µg/L)	10/30/2012	G-32/41212	0.150	0.150	J
Trichloroethene (µg/L)	8/28/2006	G-32/38957	5.700	0.120	
Trichloroethene (µg/L)	11/14/2006	G-32/39035	4.200	0.120	
Trichloroethene (µg/L)	5/24/2007	G-32/39226	4.300	0.130	
Trichloroethene (µg/L)	11/14/2007	G-32/39400	3.800	0.130	
Trichloroethene (µg/L)	5/23/2008	G-32/39591	3.700	0.190	
Trichloroethene (µg/L)	11/ 7/2008	G-32/39759	1.600	0.160	
Trichloroethene (µg/L)	5/28/2009	G-32/39961	4.400	0.160	
Trichloroethene (µg/L)	12/15/2009	G-32/40162	4.300	0.130	
Trichloroethene (µg/L)	5/20/2010	G-32/40318	3.100	0.130	
Trichloroethene (µg/L)	12/10/2010	G-32/40522	4.900	0.085	
Trichloroethene (µg/L)	5/26/2011	G-32/40689	5.200	0.085	D
Trichloroethene (µg/L)	5/26/2011	G-32/40689	5.000	0.085	
Trichloroethene (µg/L)	11/11/2011	G-32/40858	4.900	0.085	
Trichloroethene (µg/L)	5/16/2012	G-32/41045	5.200	0.085	

Historical Detected VOCs in Class III Area Corrective Action Assessment Monitoring Wells

Company:	San Benito County	**Data Group:**	None
Site:	John Smith Road Landfill	**Date Range:**	All thru 4q12
Program:	SBC Groundwater	**Permit:**	WDR 2010-0021

Parameter (Unit)	Date	Sample ID	Result Value	Detection Limit	Code
Trichloroethene (µg/L)	10/30/2012	G-32/41212	4.200	0.085	
Vinyl chloride (µg/L)	8/28/2006	G-32/38957	1.300	0.140	
Vinyl chloride (µg/L)	11/14/2006	G-32/39035	0.810	0.140	J
Vinyl chloride (µg/L)	5/24/2007	G-32/39226	0.950	0.140	
Vinyl chloride (µg/L)	5/20/2010	G-32/40318	0.350	0.140	
Vinyl chloride (µg/L)	5/16/2012	G-32/41045	0.580	0.120	J
Xylenes (total) (µg/L)	12/10/2010	G-32/40522	0.510	0.360	J
G-33					
Volatile Organic Compounds					
1,1-Dichloroethane (µg/L)	5/25/2007	G-33/39227	0.200	0.110	J
1,1-Dichloroethane (µg/L)	11/14/2007	DUP-2/39400	0.170	0.110	J,D
1,1-Dichloroethane (µg/L)	11/14/2007	G-33/39400	0.160	0.110	J
1,1-Dichloroethane (µg/L)	5/28/2009	G-33/39961d	0.200	0.130	D,J
1,1-Dichloroethane (µg/L)	12/15/2009	G-33/40162d	0.180	0.081	J,D
1,1-Dichloroethane (µg/L)	12/10/2010	G-33/40522	0.140	0.110	J
1,1-Dichloroethane (µg/L)	12/10/2010	G-33/40522d	0.130	0.110	J,D
1,1-Dichloroethane (µg/L)	11/11/2011	G-33/40858	0.130	0.110	J
1,1-Dichloroethane (µg/L)	5/16/2012	G-33/41045	0.110	0.110	J
1,2,4-Trimethylbenzene (µg/L)	12/10/2010	G-33/40522	0.150	0.120	J
1,2-Dichloroethane (µg/L)	8/28/2006	G-33/38957	0.640	0.140	J
1,2-Dichloroethane (µg/L)	11/14/2006	G-33/39035	0.690	0.140	J
1,2-Dichloroethane (µg/L)	5/25/2007	G-33/39227	0.640	0.130	
1,2-Dichloroethane (µg/L)	11/14/2007	DUP-2/39400	0.470	0.098	J,D
1,2-Dichloroethane (µg/L)	11/14/2007	G-33/39400	0.450	0.098	J
1,2-Dichloroethane (µg/L)	5/23/2008	G-33/39591	0.560	0.240	J
1,2-Dichloroethane (µg/L)	5/23/2008	G-33/39591d	0.490	0.240	J,D
1,2-Dichloroethane (µg/L)	11/ 7/2008	G-33/39759	0.420	0.240	J
1,2-Dichloroethane (µg/L)	5/28/2009	G-33/39961d	0.450	0.240	D,J
1,2-Dichloroethane (µg/L)	5/28/2009	G-33/39961	0.400	0.240	J
1,2-Dichloroethane (µg/L)	12/15/2009	G-33/40162	0.280	0.140	J
1,2-Dichloroethane (µg/L)	11/11/2011	G-33/40858	0.180	0.170	J
1,2-Dichloropropane (µg/L)	8/28/2006	G-33/38957	1.700	0.170	
1,2-Dichloropropane (µg/L)	11/14/2006	G-33/39035	1.700	0.170	
1,2-Dichloropropane (µg/L)	5/25/2007	G-33/39227	1.800	0.120	
1,2-Dichloropropane (µg/L)	11/14/2007	DUP-2/39400	1.300	0.120	D
1,2-Dichloropropane (µg/L)	11/14/2007	G-33/39400	1.300	0.120	
1,2-Dichloropropane (µg/L)	5/23/2008	G-33/39591	1.400	0.410	
1,2-Dichloropropane (µg/L)	5/23/2008	G-33/39591d	1.500	0.410	D
1,2-Dichloropropane (µg/L)	11/ 7/2008	G-33/39759	1.100	0.160	
1,2-Dichloropropane (µg/L)	5/28/2009	G-33/39961d	1.400	0.160	D
1,2-Dichloropropane (µg/L)	5/28/2009	G-33/39961	1.400	0.160	
1,2-Dichloropropane (µg/L)	12/15/2009	G-33/40162d	1.000	0.120	D
1,2-Dichloropropane (µg/L)	5/20/2010	G-33/40318	0.790	0.120	
1,2-Dichloropropane (µg/L)	12/10/2010	G-33/40522	0.870	0.130	
1,2-Dichloropropane (µg/L)	12/10/2010	G-33/40522d	1.100	0.130	D
1,2-Dichloropropane (µg/L)	5/26/2011	G-33/40689	0.660	0.130	J
1,2-Dichloropropane (µg/L)	11/11/2011	G-33/40858	0.770	0.130	J
1,2-Dichloropropane (µg/L)	5/16/2012	G-33/41045	0.610	0.130	J
1,2-Dichloropropane (µg/L)	10/30/2012	G-33/41212	0.320	0.130	J
Acetone (µg/L)	11/14/2006	G-33/39035	3.400	0.960	J,A
Benzene (µg/L)	8/28/2006	G-33/38957	0.150	0.150	J

Historical Detected VOCs in Class III Area Corrective Action Assessment Monitoring Wells

Company:	San Benito County	**Data Group:**	None
Site:	John Smith Road Landfill	**Date Range:**	All thru 4q12
Program:	SBC Groundwater	**Permit:**	WDR 2010-0021

Parameter (Unit)	Date	Sample ID	Result Value	Detection Limit	Code
Benzene (µg/L)	11/14/2007	DUP-2/39400	0.150	0.120	J,D
Benzene (µg/L)	11/14/2007	G-33/39400	0.150	0.120	J
Benzene (µg/L)	12/15/2009	G-33/40162	0.170	0.086	J
Benzene (µg/L)	12/10/2010	G-33/40522	0.170	0.083	J
Benzene (µg/L)	10/30/2012	G-33/41212	0.140	0.083	J
cis-1,2-Dichloroethene (µg/L)	8/28/2006	G-33/38957	7.700	0.200	
cis-1,2-Dichloroethene (µg/L)	11/14/2006	G-33/39035	7.600	0.200	
cis-1,2-Dichloroethene (µg/L)	5/25/2007	G-33/39227	8.200	0.130	
cis-1,2-Dichloroethene (µg/L)	11/14/2007	G-33/39400	5.500	0.110	
cis-1,2-Dichloroethene (µg/L)	5/23/2008	G-33/39591	6.900	0.320	
cis-1,2-Dichloroethene (µg/L)	5/23/2008	G-33/39591d	6.500	0.320	D
cis-1,2-Dichloroethene (µg/L)	11/ 7/2008	G-33/39759	5.100	0.320	
cis-1,2-Dichloroethene (µg/L)	5/28/2009	G-33/39961d	5.800	0.320	D
cis-1,2-Dichloroethene (µg/L)	5/28/2009	G-33/39961	5.800	0.320	
cis-1,2-Dichloroethene (µg/L)	12/15/2009	G-33/40162	4.700	0.110	
cis-1,2-Dichloroethene (µg/L)	12/15/2009	G-33/40162d	4.700	0.110	D
cis-1,2-Dichloroethene (µg/L)	5/20/2010	G-33/40318	4.200	0.110	
cis-1,2-Dichloroethene (µg/L)	12/10/2010	G-33/40522	4.100	0.085	
cis-1,2-Dichloroethene (µg/L)	12/10/2010	G-33/40522	5.500	0.085	
cis-1,2-Dichloroethene (µg/L)	5/26/2011	G-33/40689	3.600	0.085	
cis-1,2-Dichloroethene (µg/L)	11/11/2011	G-33/40858	3.700	0.085	
cis-1,2-Dichloroethene (µg/L)	5/16/2012	G-33/41045	2.900	0.085	
cis-1,2-Dichloroethene (µg/L)	10/30/2012	G-33/41212	1.100	0.085	
Dichlorodifluoromethane (µg/L)	8/28/2006	G-33/38957	1.700	0.160	
Dichlorodifluoromethane (µg/L)	11/14/2006	G-33/39035	0.950	0.160	J
Dichlorodifluoromethane (µg/L)	5/25/2007	G-33/39227	1.200	0.085	
Dichlorodifluoromethane (µg/L)	11/14/2007	DUP-2/39400	1.300	0.110	D
Dichlorodifluoromethane (µg/L)	11/14/2007	G-33/39400	1.500	0.110	
Dichlorodifluoromethane (µg/L)	5/23/2008	G-33/39591	1.200	0.340	
Dichlorodifluoromethane (µg/L)	5/23/2008	G-33/39591d	1.100	0.340	D
Dichlorodifluoromethane (µg/L)	5/28/2009	G-33/39961d	0.870	0.220	D
Dichlorodifluoromethane (µg/L)	5/28/2009	G-33/39961	0.850	0.220	
Dichlorodifluoromethane (µg/L)	12/15/2009	G-33/40162	0.980	0.110	J
Dichlorodifluoromethane (µg/L)	12/15/2009	G-33/40162d	1.000	0.110	D
Dichlorodifluoromethane (µg/L)	5/20/2010	G-33/40318	0.360	0.110	
Dichlorodifluoromethane (µg/L)	12/10/2010	G-33/40522	0.580	0.099	
Dichlorodifluoromethane (µg/L)	12/10/2010	G-33/40522d	0.310	0.099	J,D
Dichlorodifluoromethane (µg/L)	5/26/2011	G-33/40689	0.310	0.099	J
Dichlorodifluoromethane (µg/L)	11/11/2011	G-33/40858	0.610	0.099	J
Dichlorodifluoromethane (µg/L)	5/16/2012	G-33/41045	0.260	0.099	J
Dichlorodifluoromethane (µg/L)	10/30/2012	G-33/41212	0.220	0.099	J
Ethylbenzene (µg/L)	12/10/2010	G-33/40522	0.100	0.098	J
Methylene chloride (µg/L)	8/28/2006	G-33/38957	1.200	0.170	B
o-Xylene (µg/L)	12/10/2010	G-33/40522	0.140	0.082	J
Tetrachloroethene (µg/L)	8/28/2006	G-33/38957	3.400	0.130	
Tetrachloroethene (µg/L)	11/14/2006	G-33/39035	3.900	0.130	
Tetrachloroethene (µg/L)	5/25/2007	G-33/39227	4.300	0.110	
Tetrachloroethene (µg/L)	11/14/2007	DUP-2/39400	4.100	0.110	D
Tetrachloroethene (µg/L)	11/14/2007	G-33/39400	4.300	0.110	
Tetrachloroethene (µg/L)	5/23/2008	G-33/39591	4.600	0.280	
Tetrachloroethene (µg/L)	5/23/2008	G-33/39591d	4.400	0.280	D
Tetrachloroethene (µg/L)	11/ 7/2008	G-33/39759	0.730	0.280	J

Historical Detected VOCs in Class III Area Corrective Action Assessment Monitoring Wells

Company: San Benito County **Data Group:** None
Site: John Smith Road Landfill **Date Range:** All thru 4q12
Program: SBC Groundwater **Permit:** WDR 2010-0021

Parameter (Unit)	Date	Sample ID	Result Value	Detection Limit	Code
Tetrachloroethene (µg/L)	5/28/2009	G-33/39961d	4.300	0.280	D
Tetrachloroethene (µg/L)	5/28/2009	G-33/39961	4.800	0.280	
Tetrachloroethene (µg/L)	12/15/2009	G-33/40162	4.200	0.130	
Tetrachloroethene (µg/L)	12/15/2009	G-33/40162d	4.100	0.130	D
Tetrachloroethene (µg/L)	5/20/2010	G-33/40318	1.600	0.130	
Tetrachloroethene (µg/L)	12/10/2010	G-33/40522	4.200	0.130	
Tetrachloroethene (µg/L)	12/10/2010	G-33/40522d	3.500	0.130	D
Tetrachloroethene (µg/L)	5/26/2011	G-33/40689	3.000	0.130	
Tetrachloroethene (µg/L)	11/11/2011	G-33/40858	3.200	0.130	
Tetrachloroethene (µg/L)	5/16/2012	G-33/41045	2.700	0.130	
Tetrachloroethene (µg/L)	10/30/2012	G-33/41212	2.100	0.130	
Toluene (µg/L)	8/28/2006	G-33/38957	0.110	0.110	J
Toluene (µg/L)	12/15/2009	G-33/40162	0.270	0.093	J
Toluene (µg/L)	12/15/2009	G-33/40162d	0.270	0.093	J,D
Toluene (µg/L)	5/20/2010	G-33/40318	0.580	0.093	
Toluene (µg/L)	12/10/2010	G-33/40522	0.230	0.093	J
Toluene (µg/L)	11/11/2011	G-33/40858	0.110	0.093	J
Toluene (µg/L)	5/16/2012	G-33/41045	0.110	0.093	J
Toluene (µg/L)	10/30/2012	G-33/41212	0.270	0.093	J
trans-1,2-Dichloroethene (µg/L)	8/28/2006	G-33/38957	0.300	0.280	J
trans-1,2-Dichloroethene (µg/L)	11/14/2006	G-33/39035	0.320	0.280	J
trans-1,2-Dichloroethene (µg/L)	5/25/2007	G-33/39227	0.370	0.180	J
trans-1,2-Dichloroethene (µg/L)	11/14/2007	DUP-2/39400	0.290	0.140	J,D
trans-1,2-Dichloroethene (µg/L)	11/14/2007	G-33/39400	0.310	0.140	J
trans-1,2-Dichloroethene (µg/L)	5/23/2008	G-33/39591	0.350	0.320	J
trans-1,2-Dichloroethene (µg/L)	5/23/2008	G-33/39591d	0.340	0.320	J,D
trans-1,2-Dichloroethene (µg/L)	11/ 7/2008	G-33/39759	0.260	0.140	J
trans-1,2-Dichloroethene (µg/L)	5/28/2009	G-33/39961d	0.360	0.140	D,J
trans-1,2-Dichloroethene (µg/L)	5/28/2009	G-33/39961	0.370	0.140	J
trans-1,2-Dichloroethene (µg/L)	12/15/2009	G-33/40162	0.390	0.097	J
trans-1,2-Dichloroethene (µg/L)	12/15/2009	G-33/40162d	0.390	0.097	J,D
trans-1,2-Dichloroethene (µg/L)	5/20/2010	G-33/40318	0.210	0.097	
trans-1,2-Dichloroethene (µg/L)	12/10/2010	G-33/40522	0.300	0.150	J
trans-1,2-Dichloroethene (µg/L)	12/10/2010	G-33/40522d	0.280	0.150	D,J
trans-1,2-Dichloroethene (µg/L)	5/26/2011	G-33/40689	0.190	0.150	J
trans-1,2-Dichloroethene (µg/L)	11/11/2011	G-33/40858	0.220	0.150	J
trans-1,2-Dichloroethene (µg/L)	5/16/2012	G-33/41045	0.190	0.150	J
Trichloroethene (µg/L)	8/28/2006	G-33/38957	6.700	0.120	
Trichloroethene (µg/L)	11/14/2006	G-33/39035	6.900	0.120	
Trichloroethene (µg/L)	5/25/2007	G-33/39227	7.200	0.130	
Trichloroethene (µg/L)	11/14/2007	DUP-2/39400	6.000	0.130	D
Trichloroethene (µg/L)	11/14/2007	G-33/39400	6.200	0.130	
Trichloroethene (µg/L)	5/23/2008	G-33/39591	7.300	0.190	
Trichloroethene (µg/L)	5/23/2008	G-33/39591d	7.000	0.190	D
Trichloroethene (µg/L)	11/ 7/2008	G-33/39759	3.000	0.160	
Trichloroethene (µg/L)	5/28/2009	G-33/39961d	7.800	0.160	D
Trichloroethene (µg/L)	5/28/2009	G-33/39961	8.200	0.160	
Trichloroethene (µg/L)	12/15/2009	G-33/40162	6.600	0.130	
Trichloroethene (µg/L)	12/15/2009	G-33/40162d	6.800	0.130	D
Trichloroethene (µg/L)	5/20/2010	G-33/40318	3.700	0.130	
Trichloroethene (µg/L)	12/10/2010	G-33/40522	6.500	0.085	
Trichloroethene (µg/L)	12/10/2010	G-33/40522d	5.900	0.085	D

Historical Detected VOCs in Class III Area Corrective Action Assessment Monitoring Wells

Company: San Benito County **Data Group:** None
Site: John Smith Road Landfill **Date Range:** All thru 4q12
Program: SBC Groundwater **Permit:** WDR 2010-0021

Parameter (Unit)	Date	Sample ID	Result Value	Detection Limit	Code
Trichloroethene (µg/L)	5/26/2011	G-33/40689	4.700	0.085	
Trichloroethene (µg/L)	11/11/2011	G-33/40858	5.100	0.085	
Trichloroethene (µg/L)	5/16/2012	G-33/41045	4.400	0.085	
Trichloroethene (µg/L)	10/30/2012	G-33/41212	3.200	0.085	
Xylenes (total) (µg/L)	12/15/2009	G-33/40162d	0.390	0.260	J,D
Xylenes (total) (µg/L)	5/20/2010	G-33/40318	0.380	0.260	
Xylenes (total) (µg/L)	12/10/2010	G-33/40522	0.400	0.360	J
W-4					
Volatile Organic Compounds					
1,1-Dichloroethane (µg/L)	1/31/2002	W-4/37287	0.047	0.040	J
1,1-Dichloroethane (µg/L)	1/31/2002	W-4/37287	0.055	0.040	D,J
1,1-Dichloroethane (µg/L)	11/13/2002	W-4/37573	0.059	0.040	J
1,1-Dichloroethane (µg/L)	11/13/2003	W-4/37938	0.051	0.040	J
1,1-Dichloroethane (µg/L)	11/10/2004	W-4/38301	0.073	0.040	J
Acetone (µg/L)	10/ 5/2000	W-4/36804	2.900	1.790	J
Acetone (µg/L)	11/10/2006	W-4/39031	1.100	0.960	J,A
Benzene (µg/L)	5/11/2004	W-4/38118	0.076	0.050	J
Benzene (µg/L)	11/10/2004	W-4/38301	0.100	0.050	J
Carbon disulfide (µg/L)	5/14/2003	W-4/37755	0.850	0.290	D,J
Carbon disulfide (µg/L)	5/14/2003	W-4/37755	0.960	0.290	J
Carbon disulfide (µg/L)	11/14/2007	W-4/39400	0.320	0.240	J
Carbon disulfide (µg/L)	12/15/2009	W-4/40162	0.710	0.350	J
Carbon disulfide (µg/L)	11/ 8/2011	W-4/40855	1.200	0.380	
Carbon disulfide (µg/L)	5/17/2012	W-4/41046	0.450	0.380	J
Carbon disulfide (µg/L)	5/17/2012	W-4/41046	0.400	0.380	J,D
Carbon disulfide (µg/L)	10/31/2012	W-4/41213	0.450	0.380	J
cis-1,2-Dichloroethene (µg/L)	10/ 5/2000	W-4/36804	0.099	0.090	J
cis-1,2-Dichloroethene (µg/L)	2/16/2001	W-4/36938	0.167	0.090	J
cis-1,2-Dichloroethene (µg/L)	8/15/2001	W-4/37118	0.230	0.090	J
cis-1,2-Dichloroethene (µg/L)	1/31/2002	W-4/37287	0.240	0.090	J
cis-1,2-Dichloroethene (µg/L)	1/31/2002	W-4/37287	0.260	0.090	D,J
cis-1,2-Dichloroethene (µg/L)	11/13/2002	W-4/37573	0.380	0.090	J
cis-1,2-Dichloroethene (µg/L)	5/14/2003	W-4/37755	0.930	0.310	D,J
cis-1,2-Dichloroethene (µg/L)	5/14/2003	W-4/37755	0.930	0.310	J
cis-1,2-Dichloroethene (µg/L)	11/13/2003	W-4/37938	0.950	0.090	D,J
cis-1,2-Dichloroethene (µg/L)	11/13/2003	W-4/37938	0.930	0.090	J
cis-1,2-Dichloroethene (µg/L)	5/11/2004	W-4/38118	1.900	0.090	
cis-1,2-Dichloroethene (µg/L)	11/10/2004	W-4/38301	1.900	0.090	
cis-1,2-Dichloroethene (µg/L)	5/11/2005	W-4/38483	1.900	0.150	
cis-1,2-Dichloroethene (µg/L)	10/11/2005	W-4/38636	2.200	0.150	
cis-1,2-Dichloroethene (µg/L)	5/11/2006	W-4/38848	2.000	0.150	
cis-1,2-Dichloroethene (µg/L)	11/10/2006	W-4/39031	2.100	0.200	
cis-1,2-Dichloroethene (µg/L)	5/24/2007	W-4/39226	2.400	0.130	
cis-1,2-Dichloroethene (µg/L)	11/14/2007	W-4/39400	2.200	0.110	
cis-1,2-Dichloroethene (µg/L)	5/22/2008	W-4/39590	2.400	0.320	
cis-1,2-Dichloroethene (µg/L)	11/ 6/2008	W-4/39758	2.300	0.320	
cis-1,2-Dichloroethene (µg/L)	6/ 1/2009	W-4/39965	1.700	0.320	
cis-1,2-Dichloroethene (µg/L)	12/15/2009	W-4/40162	1.800	0.110	
cis-1,2-Dichloroethene (µg/L)	5/19/2010	W-4/40317	1.200	0.110	
cis-1,2-Dichloroethene (µg/L)	12/ 8/2010	W-4/40520	0.970	0.085	
cis-1,2-Dichloroethene (µg/L)	5/27/2011	W-4/40690	0.920	0.085	J

Historical Detected VOCs in Class III Area Corrective Action Assessment Monitoring Wells

Company:	San Benito County	**Data Group:**	None
Site:	John Smith Road Landfill	**Date Range:**	All thru 4q12
Program:	SBC Groundwater	**Permit:**	WDR 2010-0021

Parameter (Unit)	Date	Sample ID	Result Value	Detection Limit	Code
cis-1,2-Dichloroethene (µg/L)	11/ 8/2011	W-4/40855	0.750	0.085	J
cis-1,2-Dichloroethene (µg/L)	5/17/2012	W-4/41046	0.620	0.085	J
cis-1,2-Dichloroethene (µg/L)	5/17/2012	W-4/41046	0.640	0.085	J,D
cis-1,2-Dichloroethene (µg/L)	10/31/2012	W-4/41213	0.560	0.085	
Dichlorodifluoromethane (µg/L)	10/ 5/2000	W-4/36804	0.212	0.090	J
Dichlorodifluoromethane (µg/L)	2/16/2001	W-4/36938	0.253	0.090	J
Dichlorodifluoromethane (µg/L)	8/15/2001	W-4/37118	0.220	0.090	J
Dichlorodifluoromethane (µg/L)	11/13/2002	W-4/37573	0.180	0.090	J
Dichlorodifluoromethane (µg/L)	11/13/2003	W-4/37938	0.220	0.090	D,J
Dichlorodifluoromethane (µg/L)	11/13/2003	W-4/37938	0.200	0.090	J
Dichlorodifluoromethane (µg/L)	5/11/2004	W-4/38118	0.110	0.090	J
Methylene chloride (µg/L)	10/ 5/2000	W-4/36804	0.121	0.060	J
Methylene chloride (µg/L)	8/15/2001	W-4/37118	0.120	0.060	J
Methylene chloride (µg/L)	1/31/2002	W-4/37287	0.075	0.060	J
Methylene chloride (µg/L)	1/31/2002	W-4/37287	0.100	0.060	D,J
Methylene chloride (µg/L)	11/13/2002	W-4/37573	0.110	0.060	A,J
Methylene chloride (µg/L)	11/13/2003	W-4/37938	0.300	0.060	A,D,J
Methylene chloride (µg/L)	11/13/2003	W-4/37938	0.230	0.060	A,J
Methylene chloride (µg/L)	5/11/2004	W-4/38118	0.400	0.060	J,A
Methylene chloride (µg/L)	11/10/2004	W-4/38301	0.340	0.060	J
Methylene chloride (µg/L)	10/11/2005	W-4/38636	0.560	0.320	J
Methylene chloride (µg/L)	5/24/2007	W-4/39226	0.340	0.160	J
Methylene chloride (µg/L)	11/14/2007	W-4/39400	0.410	0.160	J
Tetrachloroethene (µg/L)	11/13/2003	W-4/37938	0.120	0.080	D,J
Tetrachloroethene (µg/L)	11/13/2003	W-4/37938	0.130	0.080	J
Tetrachloroethene (µg/L)	5/11/2004	W-4/38118	0.230	0.080	J
Tetrachloroethene (µg/L)	11/10/2004	W-4/38301	0.280	0.080	J
Tetrachloroethene (µg/L)	10/11/2005	W-4/38636	0.220	0.200	J
Tetrachloroethene (µg/L)	11/10/2006	W-4/39031	0.180	0.130	J
Tetrachloroethene (µg/L)	5/24/2007	W-4/39226	0.310	0.110	J
Tetrachloroethene (µg/L)	11/14/2007	W-4/39400	0.250	0.110	J
Tetrachloroethene (µg/L)	12/15/2009	W-4/40162	0.250	0.130	J
Tetrachloroethene (µg/L)	5/19/2010	W-4/40317	0.200	0.130	
Tetrachloroethene (µg/L)	12/ 8/2010	W-4/40520	0.190	0.130	J
Tetrachloroethene (µg/L)	5/27/2011	W-4/40690	0.240	0.130	J
Tetrachloroethene (µg/L)	11/ 8/2011	W-4/40855	0.130	0.130	J
Tetrachloroethene (µg/L)	5/17/2012	W-4/41046	0.180	0.130	J
Tetrachloroethene (µg/L)	5/17/2012	W-4/41046	0.190	0.130	J,D
Tetrachloroethene (µg/L)	10/31/2012	W-4/41213	0.200	0.130	J
Trichloroethene (µg/L)	1/31/2002	W-4/37287	0.063	0.060	D,J
Trichloroethene (µg/L)	11/13/2002	W-4/37573	0.080	0.060	J
Trichloroethene (µg/L)	11/13/2003	W-4/37938	0.091	0.060	D,J
Trichloroethene (µg/L)	11/13/2003	W-4/37938	0.100	0.060	J
Trichloroethene (µg/L)	5/11/2004	W-4/38118	0.240	0.060	J
Trichloroethene (µg/L)	11/10/2004	W-4/38301	0.280	0.060	J
Trichloroethene (µg/L)	5/11/2005	W-4/38483	0.210	0.160	
Trichloroethene (µg/L)	10/11/2005	W-4/38636	0.270	0.160	J
Trichloroethene (µg/L)	5/11/2006	W-4/38848	0.240	0.160	J
Trichloroethene (µg/L)	11/10/2006	W-4/39031	0.220	0.120	J
Trichloroethene (µg/L)	5/24/2007	W-4/39226	0.230	0.130	J
Trichloroethene (µg/L)	11/14/2007	W-4/39400	0.240	0.130	J
Trichloroethene (µg/L)	5/22/2008	W-4/39590	0.250	0.190	J

Historical Detected VOCs in Class III Area Corrective Action Assessment Monitoring Wells

Company:	San Benito County	**Data Group:**	None
Site:	John Smith Road Landfill	**Date Range:**	All thru 4q12
Program:	SBC Groundwater	**Permit:**	WDR 2010-0021

Parameter (Unit)	Date	Sample ID	Result Value	Detection Limit	Code
Trichloroethene (µg/L)	11/ 6/2008	W-4/39758	0.280	0.160	J
Trichloroethene (µg/L)	6/ 1/2009	W-4/39965	0.170	0.160	J
Trichloroethene (µg/L)	5/19/2010	W-4/40317	0.150	0.130	
Trichloroethene (µg/L)	12/ 8/2010	W-4/40520	0.190	0.085	J
Trichloroethene (µg/L)	5/27/2011	W-4/40690	0.170	0.085	J
Trichloroethene (µg/L)	11/ 8/2011	W-4/40855	0.140	0.085	J
Trichloroethene (µg/L)	5/17/2012	W-4/41046	0.150	0.085	J
Trichloroethene (µg/L)	5/17/2012	W-4/41046	0.150	0.085	J,D
Trichloroethene (µg/L)	10/31/2012	W-4/41213	0.170	0.085	J
Vinyl chloride (µg/L)	6/15/2000	W-4/36692	2.660	1.000	
Vinyl chloride (µg/L)	10/ 5/2000	W-4/36804	2.100	0.060	
Vinyl chloride (µg/L)	2/16/2001	W-4/36938	2.950	0.060	
Vinyl chloride (µg/L)	8/15/2001	W-4/37118	3.000	0.060	
Vinyl chloride (µg/L)	1/31/2002	W-4/37287	2.200	0.060	
Vinyl chloride (µg/L)	1/31/2002	W-4/37287	2.300	0.060	D
Vinyl chloride (µg/L)	11/13/2002	W-4/37573	2.200	0.060	
Vinyl chloride (µg/L)	5/14/2003	W-4/37755	2.900	0.160	D
Vinyl chloride (µg/L)	5/14/2003	W-4/37755	3.200	0.160	
Vinyl chloride (µg/L)	11/13/2003	W-4/37938	1.600	0.060	D
Vinyl chloride (µg/L)	11/13/2003	W-4/37938	1.500	0.060	
Vinyl chloride (µg/L)	5/11/2004	W-4/38118	2.600	0.060	
Vinyl chloride (µg/L)	11/10/2004	W-4/38301	2.200	0.060	
Vinyl chloride (µg/L)	5/11/2005	W-4/38483	1.800	0.380	
Vinyl chloride (µg/L)	10/11/2005	W-4/38636	2.000	0.380	
Vinyl chloride (µg/L)	5/11/2006	W-4/38848	2.400	0.170	
Vinyl chloride (µg/L)	11/10/2006	W-4/39031	1.600	0.140	
Vinyl chloride (µg/L)	5/24/2007	W-4/39226	2.400	0.140	
Vinyl chloride (µg/L)	11/14/2007	W-4/39400	1.900	0.140	
Vinyl chloride (µg/L)	5/22/2008	W-4/39590	2.500	0.340	
Vinyl chloride (µg/L)	6/ 1/2009	W-4/39965	1.100	0.160	
Vinyl chloride (µg/L)	12/15/2009	W-4/40162	0.950	0.140	J
Vinyl chloride (µg/L)	5/19/2010	W-4/40317	0.420	0.140	
Vinyl chloride (µg/L)	12/ 8/2010	W-4/40520	0.340	0.120	J
Vinyl chloride (µg/L)	5/17/2012	W-4/41046	0.170	0.120	J
Vinyl chloride (µg/L)	5/17/2012	W-4/41046	0.170	0.120	J,D
Vinyl chloride (µg/L)	10/31/2012	W-4/41213	0.140	0.120	J
W-5					
Volatile Organic Compounds					
1,1,1-Trichloroethane (µg/L)	11/30/1990	W-5/33207	4.700	0.000	
1,1,1-Trichloroethane (µg/L)	8/16/1991	W-5/33466	1.800	0.000	
1,1-Dichloroethane (µg/L)	11/30/1990	W-5/33207	2.200	0.000	
1,1-Dichloroethane (µg/L)	8/16/1991	W-5/33466	1.200	0.000	
1,1-Dichloroethane (µg/L)	5/24/2007	W-5/39226	0.140	0.110	J
1,1-Dichloroethane (µg/L)	11/14/2007	W-5/39400	0.110	0.110	J
1,1-Dichloroethane (µg/L)	12/18/2009	W-5/40165	0.160	0.081	J
1,1-Dichloroethane (µg/L)	12/ 8/2010	W-5/40520	0.200	0.110	J
1,1-Dichloroethane (µg/L)	5/27/2011	W-5/40690	0.190	0.110	J
1,1-Dichloroethane (µg/L)	11/ 8/2011	W-5/40855	0.210	0.110	J
1,1-Dichloroethane (µg/L)	11/ 8/2011	W-5/40855	0.220	0.110	D,J
1,1-Dichloroethane (µg/L)	5/17/2012	W-5/41046	0.230	0.110	J
1,1-Dichloroethane (µg/L)	10/31/2012	W-5/41213	0.270	0.110	D,J

Historical Detected VOCs in Class III Area Corrective Action Assessment Monitoring Wells

Company: San Benito County **Data Group:** None
Site: John Smith Road Landfill **Date Range:** All thru 4q12
Program: SBC Groundwater **Permit:** WDR 2010-0021

Parameter (Unit)	Date	Sample ID	Result Value	Detection Limit	Code
1,1-Dichloroethane (µg/L)	10/31/2012	W-5/41213	0.230	0.110	J
Acetone (µg/L)	11/10/2006	W-5/39031	1.400	0.960	J,A
Benzene (µg/L)	12/18/2009	W-5/40165	0.090	0.086	J
Benzene (µg/L)	5/19/2010	W-5/40317	1.700	0.086	
Benzene (µg/L)	5/19/2010	W-5/40317	1.500	0.086	
Benzene (µg/L)	12/ 8/2010	W-5/40520	0.150	0.083	J
Benzene (µg/L)	11/ 8/2011	W-5/40855	0.120	0.083	D,J
Benzene (µg/L)	5/17/2012	W-5/41046	0.100	0.083	J
Benzene (µg/L)	10/31/2012	W-5/41213	0.100	0.083	D,J
Benzene (µg/L)	10/31/2012	W-5/41213	0.100	0.083	J
Carbon disulfide (µg/L)	11/ 8/2011	W-5/40855	0.410	0.380	J
Chloromethane (µg/L)	11/10/2004	W-5/38301	0.150	0.140	J
cis-1,2-Dichloroethene (µg/L)	11/10/2004	W-5/38301	0.100	0.090	J
cis-1,2-Dichloroethene (µg/L)	5/17/2005	W-5/38489	0.270	0.150	
cis-1,2-Dichloroethene (µg/L)	10/11/2005	W-5/38636	0.510	0.150	J
cis-1,2-Dichloroethene (µg/L)	5/11/2006	W-5/38848	0.730	0.150	J
cis-1,2-Dichloroethene (µg/L)	11/10/2006	W-5/39031	1.100	0.200	
cis-1,2-Dichloroethene (µg/L)	5/24/2007	W-5/39226	1.300	0.130	
cis-1,2-Dichloroethene (µg/L)	11/14/2007	W-5/39400	1.300	0.110	
cis-1,2-Dichloroethene (µg/L)	5/22/2008	W-5/39590	1.400	0.320	
cis-1,2-Dichloroethene (µg/L)	11/ 6/2008	W-5/39758	1.900	0.320	
cis-1,2-Dichloroethene (µg/L)	11/ 6/2008	W-5/39758	2.100	0.320	D
cis-1,2-Dichloroethene (µg/L)	6/ 1/2009	W-5/39965	1.700	0.320	
cis-1,2-Dichloroethene (µg/L)	12/18/2009	W-5/40165	2.000	0.110	
cis-1,2-Dichloroethene (µg/L)	5/19/2010	W-5/40317	1.800	0.110	
cis-1,2-Dichloroethene (µg/L)	5/19/2010	W-5/40317	2.000	0.110	
cis-1,2-Dichloroethene (µg/L)	12/ 8/2010	W-5/40520	3.000	0.085	
cis-1,2-Dichloroethene (µg/L)	5/27/2011	W-5/40690	2.900	0.085	
cis-1,2-Dichloroethene (µg/L)	11/ 8/2011	W-5/40855	3.100	0.085	
cis-1,2-Dichloroethene (µg/L)	11/ 8/2011	W-5/40855	3.100	0.085	D
cis-1,2-Dichloroethene (µg/L)	5/17/2012	W-5/41046	3.000	0.085	
cis-1,2-Dichloroethene (µg/L)	10/31/2012	W-5/41213	2.900	0.085	D
cis-1,2-Dichloroethene (µg/L)	10/31/2012	W-5/41213	2.900	0.085	
Dichlorodifluoromethane (µg/L)	11/12/2002	W-5/37572	0.160	0.090	J
Dichlorodifluoromethane (µg/L)	5/14/2003	W-5/37755	0.310	0.310	J
Dichlorodifluoromethane (µg/L)	11/13/2003	W-5/37938	0.180	0.090	J
Dichlorodifluoromethane (µg/L)	5/11/2004	W-5/38118	0.200	0.090	J
Dichlorodifluoromethane (µg/L)	5/11/2004	W-5/38118	0.180	0.090	D,J
Dichlorodifluoromethane (µg/L)	11/10/2004	W-5/38301	0.140	0.090	J
Dichlorodifluoromethane (µg/L)	11/10/2006	W-5/39031	0.240	0.160	J
Dichlorodifluoromethane (µg/L)	5/24/2007	W-5/39226	0.270	0.085	J
Dichlorodifluoromethane (µg/L)	11/14/2007	W-5/39400	0.290	0.110	J
Dichlorodifluoromethane (µg/L)	12/18/2009	W-5/40165	0.230	0.110	J
Dichlorodifluoromethane (µg/L)	12/ 8/2010	W-5/40520	0.260	0.099	J
Dichlorodifluoromethane (µg/L)	11/ 8/2011	W-5/40855	0.170	0.099	J
Dichlorodifluoromethane (µg/L)	11/ 8/2011	W-5/40855	0.170	0.099	D,J
Dichlorodifluoromethane (µg/L)	5/17/2012	W-5/41046	0.180	0.099	J
Dichlorodifluoromethane (µg/L)	10/31/2012	W-5/41213	0.220	0.099	D,J
Dichlorodifluoromethane (µg/L)	10/31/2012	W-5/41213	0.220	0.099	J
Ethylbenzene (µg/L)	5/19/2010	W-5/40317	0.500	0.120	
Ethylbenzene (µg/L)	5/19/2010	W-5/40317	0.480	0.120	
Methylene chloride (µg/L)	11/30/1990	W-5/33207	15.000	0.000	

Historical Detected VOCs in Class III Area Corrective Action Assessment Monitoring Wells

Company:	San Benito County	**Data Group:**	None
Site:	John Smith Road Landfill	**Date Range:**	All thru 4q12
Program:	SBC Groundwater	**Permit:**	WDR 2010-0021

Parameter (Unit)	Date	Sample ID	Result Value	Detection Limit	Code
Methylene chloride (µg/L)	11/10/2004	W-5/38301	0.098	0.060	J
Naphthalene (µg/L)	11/13/2003	W-5/37938	0.170	0.100	B,J
Tetrachloroethene (µg/L)	11/30/1990	W-5/33207	2.900	0.000	
Tetrachloroethene (µg/L)	1/16/1991	W-5/33254	4.300	0.000	
Tetrachloroethene (µg/L)	3/ 8/1991	W-5/33305	5.400	0.000	
Tetrachloroethene (µg/L)	6/ 6/1991	W-5/33395	1.800	0.000	
Tetrachloroethene (µg/L)	8/16/1991	W-5/33466	1.800	0.000	
Tetrachloroethene (µg/L)	11/12/2002	W-5/37572	0.310	0.080	J
Tetrachloroethene (µg/L)	11/13/2003	W-5/37938	0.330	0.080	J
Tetrachloroethene (µg/L)	5/11/2004	W-5/38118	0.600	0.080	J
Tetrachloroethene (µg/L)	5/11/2004	W-5/38118	0.630	0.080	D,J
Tetrachloroethene (µg/L)	11/10/2004	W-5/38301	0.760	0.080	J
Tetrachloroethene (µg/L)	5/17/2005	W-5/38489	1.200	0.200	
Tetrachloroethene (µg/L)	10/11/2005	W-5/38636	1.300	0.200	
Tetrachloroethene (µg/L)	5/11/2006	W-5/38848	1.400	0.200	
Tetrachloroethene (µg/L)	11/10/2006	W-5/39031	2.300	0.130	
Tetrachloroethene (µg/L)	5/24/2007	W-5/39226	2.800	0.110	
Tetrachloroethene (µg/L)	11/14/2007	W-5/39400	2.800	0.110	
Tetrachloroethene (µg/L)	5/22/2008	W-5/39590	3.100	0.280	
Tetrachloroethene (µg/L)	11/ 6/2008	W-5/39758	3.800	0.280	
Tetrachloroethene (µg/L)	11/ 6/2008	W-5/39758	3.500	0.280	D
Tetrachloroethene (µg/L)	6/ 1/2009	W-5/39965	2.900	0.280	
Tetrachloroethene (µg/L)	12/18/2009	W-5/40165	2.800	0.130	
Tetrachloroethene (µg/L)	5/19/2010	W-5/40317	1.000	0.130	
Tetrachloroethene (µg/L)	5/19/2010	W-5/40317	1.300	0.130	
Tetrachloroethene (µg/L)	12/ 8/2010	W-5/40520	4.000	0.130	
Tetrachloroethene (µg/L)	5/27/2011	W-5/40690	3.600	0.130	
Tetrachloroethene (µg/L)	11/ 8/2011	W-5/40855	3.600	0.130	
Tetrachloroethene (µg/L)	11/ 8/2011	W-5/40855	3.700	0.130	D
Tetrachloroethene (µg/L)	5/17/2012	W-5/41046	4.100	0.130	
Tetrachloroethene (µg/L)	10/31/2012	W-5/41213	3.800	0.130	D
Tetrachloroethene (µg/L)	10/31/2012	W-5/41213	3.900	0.130	
Toluene (µg/L)	11/30/1990	W-5/33207	2.000	0.000	
Toluene (µg/L)	6/ 6/1991	W-5/33395	0.820	0.000	
Toluene (µg/L)	8/16/1991	W-5/33466	1.400	0.000	
Toluene (µg/L)	5/19/2010	W-5/40317	1.300	0.093	
Toluene (µg/L)	5/19/2010	W-5/40317	1.200	0.093	
Trichloroethene (µg/L)	8/16/1991	W-5/33466	1.300	0.000	
Trichloroethene (µg/L)	5/11/2004	W-5/38118	0.080	0.060	J
Trichloroethene (µg/L)	5/11/2004	W-5/38118	0.080	0.060	D,J,B
Trichloroethene (µg/L)	11/10/2004	W-5/38301	0.063	0.060	J
Trichloroethene (µg/L)	10/11/2005	W-5/38636	0.210	0.160	J
Trichloroethene (µg/L)	5/11/2006	W-5/38848	0.240	0.160	J
Trichloroethene (µg/L)	11/10/2006	W-5/39031	0.340	0.120	J
Trichloroethene (µg/L)	5/24/2007	W-5/39226	0.380	0.130	J
Trichloroethene (µg/L)	11/14/2007	W-5/39400	0.360	0.130	J
Trichloroethene (µg/L)	5/22/2008	W-5/39590	0.400	0.190	J
Trichloroethene (µg/L)	11/ 6/2008	W-5/39758	0.590	0.160	J
Trichloroethene (µg/L)	11/ 6/2008	W-5/39758	0.500	0.160	D
Trichloroethene (µg/L)	6/ 1/2009	W-5/39965	0.470	0.160	J
Trichloroethene (µg/L)	12/18/2009	W-5/40165	0.480	0.130	J
Trichloroethene (µg/L)	5/19/2010	W-5/40317	0.270	0.130	

Historical Detected VOCs in Class III Area Corrective Action Assessment Monitoring Wells

Company:	San Benito County	**Data Group:**	None
Site:	John Smith Road Landfill	**Date Range:**	All thru 4q12
Program:	SBC Groundwater	**Permit:**	WDR 2010-0021

Parameter (Unit)	Date	Sample ID	Result Value	Detection Limit	Code
Trichloroethene (µg/L)	5/19/2010	W-5/40317	0.310	0.130	
Trichloroethene (µg/L)	12/ 8/2010	W-5/40520	0.690	0.085	
Trichloroethene (µg/L)	5/27/2011	W-5/40690	0.630	0.085	J
Trichloroethene (µg/L)	11/ 8/2011	W-5/40855	0.710	0.085	J
Trichloroethene (µg/L)	11/ 8/2011	W-5/40855	0.730	0.085	D,J
Trichloroethene (µg/L)	5/17/2012	W-5/41046	0.720	0.085	J
Trichloroethene (µg/L)	10/31/2012	W-5/41213	0.730	0.085	D
Trichloroethene (µg/L)	10/31/2012	W-5/41213	0.750	0.085	
Vinyl chloride (µg/L)	11/10/2004	W-5/38301	0.110	0.060	J
Vinyl chloride (µg/L)	10/11/2005	W-5/38636	0.600	0.380	J
Vinyl chloride (µg/L)	5/11/2006	W-5/38848	1.100	0.170	
Vinyl chloride (µg/L)	11/10/2006	W-5/39031	1.700	0.140	
Vinyl chloride (µg/L)	5/24/2007	W-5/39226	2.100	0.140	
Vinyl chloride (µg/L)	11/14/2007	W-5/39400	1.900	0.140	
Vinyl chloride (µg/L)	5/22/2008	W-5/39590	2.000	0.340	
Vinyl chloride (µg/L)	11/ 6/2008	W-5/39758	2.200	0.160	
Vinyl chloride (µg/L)	11/ 6/2008	W-5/39758	2.300	0.160	D
Vinyl chloride (µg/L)	6/ 1/2009	W-5/39965	1.700	0.160	
Vinyl chloride (µg/L)	12/18/2009	W-5/40165	2.000	0.140	
Vinyl chloride (µg/L)	5/19/2010	W-5/40317	1.300	0.140	
Vinyl chloride (µg/L)	5/19/2010	W-5/40317	1.600	0.140	
Vinyl chloride (µg/L)	12/ 8/2010	W-5/40520	2.200	0.120	
Vinyl chloride (µg/L)	5/27/2011	W-5/40690	1.100	0.120	
Vinyl chloride (µg/L)	11/ 8/2011	W-5/40855	1.400	0.120	
Vinyl chloride (µg/L)	11/ 8/2011	W-5/40855	1.200	0.120	D
Vinyl chloride (µg/L)	5/17/2012	W-5/41046	1.600	0.120	
Vinyl chloride (µg/L)	10/31/2012	W-5/41213	1.400	0.120	D
Vinyl chloride (µg/L)	10/31/2012	W-5/41213	1.400	0.120	
WA-10					
Volatile Organic Compounds					
1,1-Dichloroethane (µg/L)	8/29/2000	WA-10/36767	0.058	0.050	J
1,1-Dichloroethane (µg/L)	11/13/2002	WA-10/37573	0.072	0.040	D,J
1,1-Dichloroethane (µg/L)	11/12/2003	WA-10/37937	0.051	0.040	J
1,1-Dichloroethane (µg/L)	5/12/2004	WA-10/38119	0.052	0.040	J
1,2-Dichloroethane (µg/L)	2/ 1/1993	WA-10/34001	0.530	0.000	
1,2-Dichloroethane (µg/L)	8/ 1/1993	WA-10/34182	0.540	0.000	
1,2-Dichloroethane (µg/L)	9/ 1/1994	WA-10/34578	0.700	0.000	
1,2-Dichloroethane (µg/L)	9/ 1/1995	WA-10/34943	0.720	0.000	
1,2-Dichloroethane (µg/L)	9/ 1/1996	WA-10/35309	0.600	0.000	
1,2-Dichloroethane (µg/L)	9/ 1/1998	WA-10/36039	0.770	0.000	
1,2-Dichloroethane (µg/L)	3/ 1/1999	WA-10/36220	0.540	0.000	
1,2-Dichloroethane (µg/L)	8/29/2000	WA-10/36767	0.297	0.130	J
1,2-Dichloroethane (µg/L)	8/29/2000	WA-10/36767	0.292	0.130	D,J
1,2-Dichloroethane (µg/L)	11/13/2002	WA-10/37573	0.200	0.080	J
1,2-Dichloroethane (µg/L)	11/13/2002	WA-10/37573	0.240	0.080	D,J
1,2-Dichloroethane (µg/L)	5/12/2004	WA-10/38119	0.220	0.080	J
1,2-Dichloroethane (µg/L)	11/ 9/2004	WA-10/38300	0.150	0.080	J
1,2-Dichloroethane (µg/L)	10/12/2005	WA-10/38637	0.160	0.130	J
1,2-Dichloroethane (µg/L)	10/12/2005	DUP-2/38637	0.140	0.130	D,J
1,2-Dichloroethane (µg/L)	11/14/2006	WA-10/39035	0.140	0.140	J
1,2-Dichloroethane (µg/L)	5/25/2007	WA-10/39227	0.160	0.130	J

Historical Detected VOCs in Class III Area Corrective Action Assessment Monitoring Wells

Company:	San Benito County	**Data Group:**	None
Site:	John Smith Road Landfill	**Date Range:**	All thru 4q12
Program:	SBC Groundwater	**Permit:**	WDR 2010-0021

Parameter (Unit)	Date	Sample ID	Result Value	Detection Limit	Code
1,2-Dichloropropane (µg/L)	6/ 1/1991	WA-10/33390	1.600	0.000	
1,2-Dichloropropane (µg/L)	8/ 1/1991	WA-10/33451	1.800	0.000	
1,2-Dichloropropane (µg/L)	11/25/1991	WA-10/33567	0.990	0.000	
1,2-Dichloropropane (µg/L)	11/25/1991	WA-10/33567	1.000	0.000	D
1,2-Dichloropropane (µg/L)	2/ 1/1992	WA-10/33635	1.600	0.000	
1,2-Dichloropropane (µg/L)	5/ 1/1992	WA-10/33725	2.000	0.000	
1,2-Dichloropropane (µg/L)	8/ 1/1992	WA-10/33817	1.800	0.000	
1,2-Dichloropropane (µg/L)	12/ 1/1992	WA-10/33939	1.300	0.000	
1,2-Dichloropropane (µg/L)	2/ 1/1993	WA-10/34001	2.300	0.000	
1,2-Dichloropropane (µg/L)	5/ 1/1993	WA-10/34090	0.900	0.000	
1,2-Dichloropropane (µg/L)	8/ 1/1993	WA-10/34182	1.900	0.000	
1,2-Dichloropropane (µg/L)	11/ 1/1993	WA-10/34274	2.900	0.000	
1,2-Dichloropropane (µg/L)	3/ 1/1995	WA-10/34759	2.300	0.000	
1,2-Dichloropropane (µg/L)	9/ 1/1995	WA-10/34943	1.900	0.000	
1,2-Dichloropropane (µg/L)	3/ 1/1996	WA-10/35125	1.300	0.000	
1,2-Dichloropropane (µg/L)	9/ 1/1996	WA-10/35309	1.300	0.000	
1,2-Dichloropropane (µg/L)	9/ 1/1997	WA-10/35674	0.700	0.000	
1,2-Dichloropropane (µg/L)	9/ 1/1998	WA-10/36039	3.000	0.000	
1,2-Dichloropropane (µg/L)	3/ 1/1999	WA-10/36220	2.300	0.000	
1,2-Dichloropropane (µg/L)	3/15/2000	WA-10/36600	0.893	0.000	
1,2-Dichloropropane (µg/L)	8/29/2000	WA-10/36767	0.577	0.100	
1,2-Dichloropropane (µg/L)	8/29/2000	WA-10/36767	0.543	0.100	D
1,2-Dichloropropane (µg/L)	2/15/2001	WA-10/36937	0.520	0.500	
1,2-Dichloropropane (µg/L)	2/15/2001	WA-10/36937	0.516	0.500	D
1,2-Dichloropropane (µg/L)	8/14/2001	WA-10/37117	0.670	0.500	
1,2-Dichloropropane (µg/L)	8/14/2001	WA-10/37117	0.680	0.500	D
1,2-Dichloropropane (µg/L)	1/30/2002	WA-10/37286	0.630	0.500	
1,2-Dichloropropane (µg/L)	11/13/2002	WA-10/37573	0.470	0.070	J
1,2-Dichloropropane (µg/L)	11/13/2002	WA-10/37573	0.640	0.070	D,J
1,2-Dichloropropane (µg/L)	11/12/2003	WA-10/37937	0.430	0.070	J
1,2-Dichloropropane (µg/L)	5/12/2004	WA-10/38119	0.420	0.070	J
1,2-Dichloropropane (µg/L)	11/ 9/2004	WA-10/38300	0.440	0.070	J
1,2-Dichloropropane (µg/L)	5/19/2005	WA-10/38491	0.400	0.130	
1,2-Dichloropropane (µg/L)	10/12/2005	WA-10/38637	0.320	0.130	J
1,2-Dichloropropane (µg/L)	10/12/2005	DUP-2/38637	0.320	0.130	D,J
1,2-Dichloropropane (µg/L)	5/ 9/2006	WA-10/38846	0.290	0.130	J
1,2-Dichloropropane (µg/L)	11/14/2006	WA-10/39035	0.330	0.170	J
1,2-Dichloropropane (µg/L)	5/25/2007	WA-10/39227	0.300	0.120	J
1,2-Dichloropropane (µg/L)	11/ 9/2011	WA-10/40856	0.170	0.130	J
Acetone (µg/L)	11/13/2002	WA-10/37573	4.100	1.800	J
Acetone (µg/L)	11/13/2002	WA-10/37573	4.000	1.800	D,J
Acetone (µg/L)	11/14/2006	WA-10/39035	1.500	0.960	J,A
Chloroethane (µg/L)	3/15/2000	WA-10/36600	1.310	0.000	
Chloroform (µg/L)	3/15/2000	WA-10/36600	0.957	0.000	
Chloromethane (µg/L)	3/ 1/1989	WA-10/32568	4.870	0.000	
cis-1,2-Dichloroethene (µg/L)	3/ 1/1991	WA-10/33298	2.600	0.000	
cis-1,2-Dichloroethene (µg/L)	6/ 1/1991	WA-10/33390	4.400	0.000	
cis-1,2-Dichloroethene (µg/L)	8/ 1/1991	WA-10/33451	5.000	0.000	
cis-1,2-Dichloroethene (µg/L)	11/25/1991	WA-10/33567	2.500	0.000	
cis-1,2-Dichloroethene (µg/L)	11/25/1991	WA-10/33567	2.300	0.000	D
cis-1,2-Dichloroethene (µg/L)	2/ 1/1992	WA-10/33635	8.200	0.000	
cis-1,2-Dichloroethene (µg/L)	5/ 1/1992	WA-10/33725	6.200	0.000	

Historical Detected VOCs in Class III Area Corrective Action Assessment Monitoring Wells

Company:	San Benito County	**Data Group:**	None
Site:	John Smith Road Landfill	**Date Range:**	All thru 4q12
Program:	SBC Groundwater	**Permit:**	WDR 2010-0021

Parameter (Unit)	Date	Sample ID	Result Value	Detection Limit	Code
cis-1,2-Dichloroethene (µg/L)	8/ 1/1992	WA-10/33817	4.800	0.000	
cis-1,2-Dichloroethene (µg/L)	12/ 1/1992	WA-10/33939	2.600	0.000	
cis-1,2-Dichloroethene (µg/L)	2/ 1/1993	WA-10/34001	5.900	0.000	
cis-1,2-Dichloroethene (µg/L)	5/ 1/1993	WA-10/34090	2.100	0.000	
cis-1,2-Dichloroethene (µg/L)	8/ 1/1993	WA-10/34182	7.000	0.000	
cis-1,2-Dichloroethene (µg/L)	11/ 1/1993	WA-10/34274	7.000	0.000	
cis-1,2-Dichloroethene (µg/L)	3/ 1/1995	WA-10/34759	8.600	0.000	
cis-1,2-Dichloroethene (µg/L)	9/ 1/1995	WA-10/34943	6.900	0.000	
cis-1,2-Dichloroethene (µg/L)	3/ 1/1996	WA-10/35125	5.200	0.000	
cis-1,2-Dichloroethene (µg/L)	9/ 1/1996	WA-10/35309	5.000	0.000	
cis-1,2-Dichloroethene (µg/L)	3/ 1/1997	WA-10/35490	1.700	0.000	
cis-1,2-Dichloroethene (µg/L)	9/ 1/1997	WA-10/35674	1.800	0.000	
cis-1,2-Dichloroethene (µg/L)	9/ 1/1998	WA-10/36039	9.800	0.000	
cis-1,2-Dichloroethene (µg/L)	3/ 1/1999	WA-10/36220	7.600	0.000	
cis-1,2-Dichloroethene (µg/L)	3/15/2000	WA-10/36600	2.950	0.000	
cis-1,2-Dichloroethene (µg/L)	6/14/2000	WA-10/36691	2.320	1.000	
cis-1,2-Dichloroethene (µg/L)	6/14/2000	WA-10/36691	2.360	1.000	D
cis-1,2-Dichloroethene (µg/L)	8/29/2000	WA-10/36767	2.680	0.070	
cis-1,2-Dichloroethene (µg/L)	8/29/2000	WA-10/36767	2.700	0.070	D
cis-1,2-Dichloroethene (µg/L)	2/15/2001	WA-10/36937	3.040	0.500	
cis-1,2-Dichloroethene (µg/L)	2/15/2001	WA-10/36937	2.920	0.500	D
cis-1,2-Dichloroethene (µg/L)	8/14/2001	WA-10/37117	3.000	0.500	D
cis-1,2-Dichloroethene (µg/L)	8/14/2001	WA-10/37117	3.000	0.500	
cis-1,2-Dichloroethene (µg/L)	1/30/2002	WA-10/37286	2.300	0.500	
cis-1,2-Dichloroethene (µg/L)	11/13/2002	WA-10/37573	2.100	0.090	
cis-1,2-Dichloroethene (µg/L)	11/13/2002	WA-10/37573	2.800	0.090	D
cis-1,2-Dichloroethene (µg/L)	5/15/2003	WA-10/37756	2.100	0.310	
cis-1,2-Dichloroethene (µg/L)	11/12/2003	WA-10/37937	2.100	0.090	
cis-1,2-Dichloroethene (µg/L)	5/12/2004	WA-10/38119	2.200	0.090	
cis-1,2-Dichloroethene (µg/L)	11/ 9/2004	WA-10/38300	2.100	0.090	
cis-1,2-Dichloroethene (µg/L)	5/19/2005	WA-10/38491	2.000	0.150	
cis-1,2-Dichloroethene (µg/L)	10/12/2005	WA-10/38637	1.700	0.150	
cis-1,2-Dichloroethene (µg/L)	10/12/2005	DUP-2/38637	1.800	0.150	D
cis-1,2-Dichloroethene (µg/L)	5/ 9/2006	WA-10/38846	1.600	0.150	
cis-1,2-Dichloroethene (µg/L)	11/14/2006	WA-10/39035	1.600	0.200	
cis-1,2-Dichloroethene (µg/L)	5/25/2007	WA-10/39227	1.400	0.130	
cis-1,2-Dichloroethene (µg/L)	11/15/2007	WA-10/39401	1.400	0.110	
cis-1,2-Dichloroethene (µg/L)	5/23/2008	WA-10/39591	1.100	0.320	
cis-1,2-Dichloroethene (µg/L)	11/ 5/2008	WA-10/39757	1.400	0.320	
cis-1,2-Dichloroethene (µg/L)	5/26/2009	WA-10/39959	1.200	0.320	
cis-1,2-Dichloroethene (µg/L)	12/15/2009	WA-10/40162	0.960	0.110	J
cis-1,2-Dichloroethene (µg/L)	5/18/2010	WA-10/40316	0.610	0.110	
cis-1,2-Dichloroethene (µg/L)	12/ 7/2010	WA-10/40519	1.100	0.085	
cis-1,2-Dichloroethene (µg/L)	5/25/2011	WA-10/40688	0.930	0.085	
cis-1,2-Dichloroethene (µg/L)	11/ 9/2011	WA-10/40856	0.930	0.085	
cis-1,2-Dichloroethene (µg/L)	5/18/2012	WA-10/41047	0.790	0.085	J
cis-1,2-Dichloroethene (µg/L)	11/ 1/2012	WA-10/41214	0.700	0.085	J
Dichlorodifluoromethane (µg/L)	5/ 1/1994	WA-10/34455	4.300	0.000	
Dichlorodifluoromethane (µg/L)	9/ 1/1994	WA-10/34578	2.600	0.000	
Dichlorodifluoromethane (µg/L)	3/ 1/1995	WA-10/34759	9.700	0.000	
Dichlorodifluoromethane (µg/L)	9/ 1/1996	WA-10/35309	7.400	0.000	
Dichlorodifluoromethane (µg/L)	3/ 1/1997	WA-10/35490	3.500	0.000	

Historical Detected VOCs in Class III Area Corrective Action Assessment Monitoring Wells

Company:	San Benito County	**Data Group:**	None
Site:	John Smith Road Landfill	**Date Range:**	All thru 4q12
Program:	SBC Groundwater	**Permit:**	WDR 2010-0021

Parameter (Unit)	Date	Sample ID	Result Value	Detection Limit	Code
Dichlorodifluoromethane (µg/L)	6/14/2000	WA-10/36691	1.220	1.000	
Dichlorodifluoromethane (µg/L)	6/14/2000	WA-10/36691	1.180	1.000	D
Dichlorodifluoromethane (µg/L)	8/29/2000	WA-10/36767	1.770	0.200	
Dichlorodifluoromethane (µg/L)	8/29/2000	WA-10/36767	1.910	0.200	D
Dichlorodifluoromethane (µg/L)	2/15/2001	WA-10/36937	0.704	0.500	
Dichlorodifluoromethane (µg/L)	2/15/2001	WA-10/36937	0.653	0.500	D
Dichlorodifluoromethane (µg/L)	8/14/2001	WA-10/37117	0.940	0.500	D
Dichlorodifluoromethane (µg/L)	8/14/2001	WA-10/37117	0.940	0.500	
Dichlorodifluoromethane (µg/L)	11/13/2002	WA-10/37573	1.100	0.090	
Dichlorodifluoromethane (µg/L)	11/13/2002	WA-10/37573	1.400	0.090	D
Dichlorodifluoromethane (µg/L)	11/12/2003	WA-10/37937	0.880	0.090	J
Dichlorodifluoromethane (µg/L)	5/12/2004	WA-10/38119	0.750	0.090	J
Dichlorodifluoromethane (µg/L)	11/ 9/2004	WA-10/38300	0.620	0.090	J
Dichlorodifluoromethane (µg/L)	5/19/2005	WA-10/38491	0.690	0.310	
Dichlorodifluoromethane (µg/L)	11/14/2006	WA-10/39035	0.500	0.160	J
Dichlorodifluoromethane (µg/L)	5/25/2007	WA-10/39227	0.390	0.085	J
Dichlorodifluoromethane (µg/L)	11/15/2007	WA-10/39401	0.540	0.110	
Dichlorodifluoromethane (µg/L)	5/23/2008	WA-10/39591	0.370	0.340	J
Dichlorodifluoromethane (µg/L)	5/26/2009	WA-10/39959	0.480	0.220	
Dichlorodifluoromethane (µg/L)	12/15/2009	WA-10/40162	0.480	0.110	J
Dichlorodifluoromethane (µg/L)	12/ 7/2010	WA-10/40519	0.390	0.099	J
Dichlorodifluoromethane (µg/L)	5/25/2011	WA-10/40688	0.320	0.099	J
Dichlorodifluoromethane (µg/L)	11/ 9/2011	WA-10/40856	0.310	0.099	J
Dichlorodifluoromethane (µg/L)	5/18/2012	WA-10/41047	0.380	0.099	J
Dichlorodifluoromethane (µg/L)	11/ 1/2012	WA-10/41214	0.380	0.099	J
Methylene chloride (µg/L)	8/29/2000	WA-10/36767	0.205	0.190	D,J
Tetrachloroethene (µg/L)	3/ 1/1991	WA-10/33298	1.200	0.000	
Tetrachloroethene (µg/L)	6/ 1/1991	WA-10/33390	2.600	0.000	
Tetrachloroethene (µg/L)	8/ 1/1991	WA-10/33451	2.400	0.000	
Tetrachloroethene (µg/L)	11/25/1991	WA-10/33567	2.200	0.000	
Tetrachloroethene (µg/L)	11/25/1991	WA-10/33567	2.500	0.000	D
Tetrachloroethene (µg/L)	2/ 1/1992	WA-10/33635	2.000	0.000	
Tetrachloroethene (µg/L)	5/ 1/1992	WA-10/33725	2.800	0.000	
Tetrachloroethene (µg/L)	8/ 1/1992	WA-10/33817	2.300	0.000	
Tetrachloroethene (µg/L)	12/ 1/1992	WA-10/33939	1.400	0.000	
Tetrachloroethene (µg/L)	2/ 1/1993	WA-10/34001	2.900	0.000	
Tetrachloroethene (µg/L)	5/ 1/1993	WA-10/34090	1.100	0.000	
Tetrachloroethene (µg/L)	8/ 1/1993	WA-10/34182	2.200	0.000	
Tetrachloroethene (µg/L)	11/ 1/1993	WA-10/34274	3.600	0.000	
Tetrachloroethene (µg/L)	3/ 1/1994	WA-10/34394	1.800	0.000	
Tetrachloroethene (µg/L)	5/ 1/1994	WA-10/34455	2.600	0.000	
Tetrachloroethene (µg/L)	9/ 1/1994	WA-10/34578	2.500	0.000	
Tetrachloroethene (µg/L)	3/ 1/1995	WA-10/34759	3.500	0.000	
Tetrachloroethene (µg/L)	9/ 1/1995	WA-10/34943	3.300	0.000	
Tetrachloroethene (µg/L)	3/ 1/1996	WA-10/35125	2.600	0.000	
Tetrachloroethene (µg/L)	9/ 1/1996	WA-10/35309	2.800	0.000	
Tetrachloroethene (µg/L)	3/ 1/1997	WA-10/35490	1.300	0.000	
Tetrachloroethene (µg/L)	9/ 1/1997	WA-10/35674	1.400	0.000	
Tetrachloroethene (µg/L)	9/ 1/1998	WA-10/36039	3.100	0.000	
Tetrachloroethene (µg/L)	3/ 1/1999	WA-10/36220	1.200	0.000	
Tetrachloroethene (µg/L)	3/15/2000	WA-10/36600	1.760	0.000	
Tetrachloroethene (µg/L)	6/14/2000	WA-10/36691	1.880	1.000	

Historical Detected VOCs in Class III Area Corrective Action Assessment Monitoring Wells

Company:	San Benito County	**Data Group:**	None
Site:	John Smith Road Landfill	**Date Range:**	All thru 4q12
Program:	SBC Groundwater	**Permit:**	WDR 2010-0021

Parameter (Unit)	Date	Sample ID	Result Value	Detection Limit	Code
Tetrachloroethene (µg/L)	6/14/2000	WA-10/36691	1.840	1.000	D
Tetrachloroethene (µg/L)	8/29/2000	WA-10/36767	2.010	0.100	
Tetrachloroethene (µg/L)	8/29/2000	WA-10/36767	1.930	0.100	D
Tetrachloroethene (µg/L)	2/15/2001	WA-10/36937	2.380	0.500	
Tetrachloroethene (µg/L)	2/15/2001	WA-10/36937	2.320	0.500	D
Tetrachloroethene (µg/L)	8/14/2001	WA-10/37117	2.200	0.500	D
Tetrachloroethene (µg/L)	8/14/2001	WA-10/37117	2.200	0.500	
Tetrachloroethene (µg/L)	1/30/2002	WA-10/37286	1.400	0.500	
Tetrachloroethene (µg/L)	11/13/2002	WA-10/37573	1.700	0.080	
Tetrachloroethene (µg/L)	11/13/2002	WA-10/37573	1.600	0.080	D
Tetrachloroethene (µg/L)	5/15/2003	WA-10/37756	1.200	0.440	
Tetrachloroethene (µg/L)	11/12/2003	WA-10/37937	1.300	0.080	
Tetrachloroethene (µg/L)	5/12/2004	WA-10/38119	1.200	0.080	
Tetrachloroethene (µg/L)	11/ 9/2004	WA-10/38300	1.200	0.080	
Tetrachloroethene (µg/L)	5/19/2005	WA-10/38491	1.100	0.200	
Tetrachloroethene (µg/L)	10/12/2005	WA-10/38637	0.860	0.200	J
Tetrachloroethene (µg/L)	10/12/2005	DUP-2/38637	0.820	0.200	D,J
Tetrachloroethene (µg/L)	5/ 9/2006	WA-10/38846	0.830	0.200	J
Tetrachloroethene (µg/L)	11/14/2006	WA-10/39035	0.980	0.130	J
Tetrachloroethene (µg/L)	5/25/2007	WA-10/39227	0.800	0.110	
Tetrachloroethene (µg/L)	11/15/2007	WA-10/39401	1.000	0.110	
Tetrachloroethene (µg/L)	5/23/2008	WA-10/39591	0.680	0.280	J
Tetrachloroethene (µg/L)	11/ 5/2008	WA-10/39757	1.100	0.280	
Tetrachloroethene (µg/L)	5/26/2009	WA-10/39959	0.980	0.280	
Tetrachloroethene (µg/L)	12/15/2009	WA-10/40162	0.800	0.130	J
Tetrachloroethene (µg/L)	5/18/2010	WA-10/40316	0.530	0.130	
Tetrachloroethene (µg/L)	12/ 7/2010	WA-10/40519	0.850	0.130	
Tetrachloroethene (µg/L)	5/25/2011	WA-10/40688	0.600	0.130	
Tetrachloroethene (µg/L)	11/ 9/2011	WA-10/40856	0.680	0.130	
Tetrachloroethene (µg/L)	5/18/2012	WA-10/41047	0.660	0.130	J
Tetrachloroethene (µg/L)	11/ 1/2012	WA-10/41214	0.730	0.130	J
trans-1,2-Dichloroethene (µg/L)	3/ 1/1994	WA-10/34394	6.800	0.000	
trans-1,2-Dichloroethene (µg/L)	5/ 1/1994	WA-10/34455	9.300	0.000	
trans-1,2-Dichloroethene (µg/L)	9/ 1/1994	WA-10/34578	8.900	0.000	
trans-1,2-Dichloroethene (µg/L)	11/13/2002	WA-10/37573	0.110	0.090	D,J
trans-1,2-Dichloroethene (µg/L)	11/12/2003	WA-10/37937	0.090	0.090	J
trans-1,2-Dichloroethene (µg/L)	5/12/2004	WA-10/38119	0.096	0.090	J
Trichloroethene (µg/L)	3/ 1/1991	WA-10/33298	1.800	0.000	
Trichloroethene (µg/L)	6/ 1/1991	WA-10/33390	3.300	0.000	
Trichloroethene (µg/L)	8/ 1/1991	WA-10/33451	3.100	0.000	
Trichloroethene (µg/L)	11/25/1991	WA-10/33567	2.200	0.000	
Trichloroethene (µg/L)	11/25/1991	WA-10/33567	2.200	0.000	D
Trichloroethene (µg/L)	2/ 1/1992	WA-10/33635	3.300	0.000	
Trichloroethene (µg/L)	5/ 1/1992	WA-10/33725	4.300	0.000	
Trichloroethene (µg/L)	8/ 1/1992	WA-10/33817	4.400	0.000	
Trichloroethene (µg/L)	12/ 1/1992	WA-10/33939	1.900	0.000	
Trichloroethene (µg/L)	2/ 1/1993	WA-10/34001	3.900	0.000	
Trichloroethene (µg/L)	5/ 1/1993	WA-10/34090	1.900	0.000	
Trichloroethene (µg/L)	8/ 1/1993	WA-10/34182	4.100	0.000	
Trichloroethene (µg/L)	11/ 1/1993	WA-10/34274	4.500	0.000	
Trichloroethene (µg/L)	3/ 1/1994	WA-10/34394	3.200	0.000	
Trichloroethene (µg/L)	5/ 1/1994	WA-10/34455	4.000	0.000	

Historical Detected VOCs in Class III Area Corrective Action Assessment Monitoring Wells

Company:	San Benito County	**Data Group:**	None
Site:	John Smith Road Landfill	**Date Range:**	All thru 4q12
Program:	SBC Groundwater	**Permit:**	WDR 2010-0021

Parameter (Unit)	Date	Sample ID	Result Value	Detection Limit	Code
Trichloroethene (µg/L)	9/ 1/1994	WA-10/34578	4.000	0.000	
Trichloroethene (µg/L)	3/ 1/1995	WA-10/34759	5.500	0.000	
Trichloroethene (µg/L)	9/ 1/1995	WA-10/34943	5.400	0.000	
Trichloroethene (µg/L)	3/ 1/1996	WA-10/35125	3.600	0.000	
Trichloroethene (µg/L)	9/ 1/1996	WA-10/35309	3.700	0.000	
Trichloroethene (µg/L)	3/ 1/1997	WA-10/35490	1.500	0.000	
Trichloroethene (µg/L)	9/ 1/1997	WA-10/35674	1.700	0.000	
Trichloroethene (µg/L)	9/ 1/1998	WA-10/36039	7.900	0.000	
Trichloroethene (µg/L)	3/ 1/1999	WA-10/36220	4.500	0.000	
Trichloroethene (µg/L)	3/15/2000	WA-10/36600	2.570	0.000	
Trichloroethene (µg/L)	6/14/2000	WA-10/36691	2.320	1.000	
Trichloroethene (µg/L)	6/14/2000	WA-10/36691	2.410	1.000	D
Trichloroethene (µg/L)	8/29/2000	WA-10/36767	2.240	0.100	
Trichloroethene (µg/L)	8/29/2000	WA-10/36767	2.140	0.100	D
Trichloroethene (µg/L)	2/15/2001	WA-10/36937	2.730	0.500	
Trichloroethene (µg/L)	2/15/2001	WA-10/36937	2.690	0.500	D
Trichloroethene (µg/L)	8/14/2001	WA-10/37117	2.600	0.500	D
Trichloroethene (µg/L)	8/14/2001	WA-10/37117	2.600	0.500	
Trichloroethene (µg/L)	1/30/2002	WA-10/37286	1.800	0.500	
Trichloroethene (µg/L)	11/13/2002	WA-10/37573	2.400	0.060	
Trichloroethene (µg/L)	11/13/2002	WA-10/37573	2.700	0.060	D
Trichloroethene (µg/L)	5/15/2003	WA-10/37756	2.000	0.360	
Trichloroethene (µg/L)	11/12/2003	WA-10/37937	1.800	0.060	
Trichloroethene (µg/L)	5/12/2004	WA-10/38119	2.000	0.060	
Trichloroethene (µg/L)	11/ 9/2004	WA-10/38300	2.000	0.060	
Trichloroethene (µg/L)	5/19/2005	WA-10/38491	1.900	0.160	
Trichloroethene (µg/L)	10/12/2005	WA-10/38637	1.800	0.160	
Trichloroethene (µg/L)	10/12/2005	DUP-2/38637	1.800	0.160	D
Trichloroethene (µg/L)	5/ 9/2006	WA-10/38846	1.500	0.160	
Trichloroethene (µg/L)	11/14/2006	WA-10/39035	1.500	0.120	
Trichloroethene (µg/L)	5/25/2007	WA-10/39227	1.200	0.130	
Trichloroethene (µg/L)	11/15/2007	WA-10/39401	1.500	0.130	
Trichloroethene (µg/L)	5/23/2008	WA-10/39591	1.000	0.190	
Trichloroethene (µg/L)	11/ 5/2008	WA-10/39757	1.500	0.160	
Trichloroethene (µg/L)	5/26/2009	WA-10/39959	1.500	0.160	
Trichloroethene (µg/L)	12/15/2009	WA-10/40162	1.200	0.130	
Trichloroethene (µg/L)	5/18/2010	WA-10/40316	0.780	0.130	
Trichloroethene (µg/L)	12/ 7/2010	WA-10/40519	1.200	0.085	
Trichloroethene (µg/L)	5/25/2011	WA-10/40688	0.990	0.085	
Trichloroethene (µg/L)	11/ 9/2011	WA-10/40856	1.100	0.085	
Trichloroethene (µg/L)	5/18/2012	WA-10/41047	1.000	0.085	
Trichloroethene (µg/L)	11/ 1/2012	WA-10/41214	0.970	0.085	J
Trichlorofluoromethane (µg/L)	6/ 1/1991	WA-10/33390	6.300	0.000	
Trichlorofluoromethane (µg/L)	8/ 1/1991	WA-10/33451	1.100	0.000	
Trichlorofluoromethane (µg/L)	12/ 1/1992	WA-10/33939	0.820	0.000	
Trichlorofluoromethane (µg/L)	2/ 1/1993	WA-10/34001	2.300	0.000	
Trichlorofluoromethane (µg/L)	5/ 1/1993	WA-10/34090	0.520	0.000	
Trichlorofluoromethane (µg/L)	8/ 1/1993	WA-10/34182	2.400	0.000	
Trichlorofluoromethane (µg/L)	9/ 1/1998	WA-10/36039	0.820	0.000	
Vinyl chloride (µg/L)	6/ 1/1991	WA-10/33390	1.700	0.000	
Vinyl chloride (µg/L)	8/ 1/1991	WA-10/33451	2.700	0.000	
Vinyl chloride (µg/L)	8/ 1/1993	WA-10/34182	2.400	0.000	

Historical Detected VOCs in Class III Area Corrective Action Assessment Monitoring Wells

Company:	San Benito County	**Data Group:**	None
Site:	John Smith Road Landfill	**Date Range:**	All thru 4q12
Program:	SBC Groundwater	**Permit:**	WDR 2010-0021

Parameter (Unit)	Date	Sample ID	Result Value	Detection Limit	Code
Vinyl chloride (µg/L)	3/ 1/1994	WA-10/34394	4.900	0.000	
Vinyl chloride (µg/L)	5/ 1/1994	WA-10/34455	6.300	0.000	
Vinyl chloride (µg/L)	9/ 1/1994	WA-10/34578	6.100	0.000	
Vinyl chloride (µg/L)	3/ 1/1995	WA-10/34759	2.300	0.000	
Vinyl chloride (µg/L)	9/ 1/1995	WA-10/34943	2.300	0.000	
Vinyl chloride (µg/L)	3/ 1/1996	WA-10/35125	1.500	0.000	
Vinyl chloride (µg/L)	9/ 1/1996	WA-10/35309	1.700	0.000	
Vinyl chloride (µg/L)	11/13/2002	WA-10/37573	0.110	0.060	J
Vinyl chloride (µg/L)	11/13/2002	WA-10/37573	0.140	0.060	D,J
WA-12					
Volatile Organic Compounds					
1,1-Dichloroethane (µg/L)	11/12/2003	WA-12/37937	0.042	0.040	J
1,1-Dichloroethane (µg/L)	11/15/2007	WA-12/39401	0.120	0.110	J
1,1-Dichloroethane (µg/L)	11/ 5/2008	WA-12/39757	0.200	0.130	J
1,1-Dichloroethane (µg/L)	12/15/2009	WA-12/40162	0.240	0.081	J
1,1-Dichloroethane (µg/L)	12/ 7/2010	WA-12/40519	0.200	0.110	J
1,1-Dichloroethane (µg/L)	5/25/2011	WA-12/40688	0.230	0.110	J
1,1-Dichloroethane (µg/L)	11/ 9/2011	WA-12/40856	0.230	0.110	J
1,1-Dichloroethane (µg/L)	5/18/2012	WA-12/41047	0.270	0.110	J
1,1-Dichloroethane (µg/L)	11/ 2/2012	WA-12/41215	0.280	0.110	J
1,1-Dichloroethene (µg/L)	8/ 1/1991	WA-12/33451	2.100	0.000	
1,1-Dichloroethene (µg/L)	11/25/1991	WA-12/33567	3.400	0.000	
1,1-Dichloroethene (µg/L)	2/ 1/1992	WA-12/33635	2.500	0.000	
1,1-Dichloroethene (µg/L)	5/ 1/1992	WA-12/33725	2.500	0.000	
1,1-Dichloroethene (µg/L)	8/ 1/1992	WA-12/33817	2.200	0.000	
1,1-Dichloroethene (µg/L)	12/ 1/1992	WA-12/33939	2.300	0.000	
1,1-Dichloroethene (µg/L)	2/ 1/1993	WA-12/34001	2.100	0.000	
1,1-Dichloroethene (µg/L)	12/15/2009	WA-12/40162	0.120	0.120	J
1,2-Dichloroethane (µg/L)	7/ 1/1990	WA-12/33055	9.500	0.000	
1,2-Dichloroethane (µg/L)	3/ 1/1991	WA-12/33298	8.500	0.000	
1,2-Dichloroethane (µg/L)	6/ 1/1991	WA-12/33390	10.000	0.000	
1,2-Dichloroethane (µg/L)	8/ 1/1991	WA-12/33451	8.900	0.000	
1,2-Dichloroethane (µg/L)	11/25/1991	WA-12/33567	14.000	0.000	
1,2-Dichloroethane (µg/L)	2/ 1/1992	WA-12/33635	11.000	0.000	
1,2-Dichloroethane (µg/L)	5/ 1/1992	WA-12/33725	11.000	0.000	
1,2-Dichloroethane (µg/L)	8/ 1/1992	WA-12/33817	9.900	0.000	
1,2-Dichloroethane (µg/L)	12/ 1/1992	WA-12/33939	10.000	0.000	
1,2-Dichloroethane (µg/L)	2/ 1/1993	WA-12/34001	11.000	0.000	
1,2-Dichloroethane (µg/L)	5/ 1/1993	WA-12/34090	9.000	0.000	
1,2-Dichloroethane (µg/L)	8/ 1/1993	WA-12/34182	5.900	0.000	
1,2-Dichloroethane (µg/L)	11/ 1/1993	WA-12/34274	4.100	0.000	
1,2-Dichloroethane (µg/L)	5/ 1/1994	WA-12/34455	5.300	0.000	
1,2-Dichloroethane (µg/L)	8/29/2000	WA-12/36767	0.331	0.130	J
1,2-Dichloroethane (µg/L)	11/13/2002	WA-12/37573	0.140	0.080	J
1,2-Dichloroethane (µg/L)	5/23/2008	WA-12/39591	0.380	0.240	J
1,2-Dichloroethane (µg/L)	11/ 5/2008	WA-12/39757	0.790	0.240	J
1,2-Dichloroethane (µg/L)	12/15/2009	WA-12/40162	0.810	0.140	J
1,2-Dichloroethane (µg/L)	5/20/2010	WA-12/40318	0.460	0.140	
1,2-Dichloroethane (µg/L)	12/ 7/2010	WA-12/40519	0.700	0.170	
1,2-Dichloroethane (µg/L)	11/ 9/2011	WA-12/40856	0.720	0.170	
1,2-Dichloroethane (µg/L)	5/18/2012	WA-12/41047	0.720	0.170	J

Historical Detected VOCs in Class III Area Corrective Action Assessment Monitoring Wells

Company:	San Benito County	**Data Group:**	None
Site:	John Smith Road Landfill	**Date Range:**	All thru 4q12
Program:	SBC Groundwater	**Permit:**	WDR 2010-0021

Parameter (Unit)	Date	Sample ID	Result Value	Detection Limit	Code
1,2-Dichloroethane (µg/L)	11/ 2/2012	WA-12/41215	0.750	0.170	J
1,2-Dichloropropane (µg/L)	7/ 1/1990	WA-12/33055	11.000	0.000	
1,2-Dichloropropane (µg/L)	3/ 1/1991	WA-12/33298	12.000	0.000	
1,2-Dichloropropane (µg/L)	6/ 1/1991	WA-12/33390	12.000	0.000	
1,2-Dichloropropane (µg/L)	8/ 1/1991	WA-12/33451	11.000	0.000	
1,2-Dichloropropane (µg/L)	11/25/1991	WA-12/33567	14.000	0.000	
1,2-Dichloropropane (µg/L)	2/ 1/1992	WA-12/33635	14.000	0.000	
1,2-Dichloropropane (µg/L)	5/ 1/1992	WA-12/33725	14.000	0.000	
1,2-Dichloropropane (µg/L)	8/ 1/1992	WA-12/33817	13.000	0.000	
1,2-Dichloropropane (µg/L)	12/ 1/1992	WA-12/33939	12.000	0.000	
1,2-Dichloropropane (µg/L)	2/ 1/1993	WA-12/34001	13.000	0.000	
1,2-Dichloropropane (µg/L)	5/ 1/1993	WA-12/34090	11.000	0.000	
1,2-Dichloropropane (µg/L)	8/ 1/1993	WA-12/34182	7.600	0.000	
1,2-Dichloropropane (µg/L)	11/ 1/1993	WA-12/34274	5.700	0.000	
1,2-Dichloropropane (µg/L)	3/ 1/1994	WA-12/34394	9.100	0.000	
1,2-Dichloropropane (µg/L)	5/ 1/1994	WA-12/34455	6.000	0.000	
1,2-Dichloropropane (µg/L)	9/ 1/1994	WA-12/34578	7.900	0.000	
1,2-Dichloropropane (µg/L)	3/ 1/1995	WA-12/34759	9.300	0.000	
1,2-Dichloropropane (µg/L)	9/ 1/1995	WA-12/34943	7.500	0.000	
1,2-Dichloropropane (µg/L)	3/ 1/1996	WA-12/35125	4.500	0.000	
1,2-Dichloropropane (µg/L)	9/ 1/1996	WA-12/35309	2.800	0.000	
1,2-Dichloropropane (µg/L)	3/ 1/1997	WA-12/35490	2.000	0.000	
1,2-Dichloropropane (µg/L)	9/ 1/1997	WA-12/35674	3.400	0.000	
1,2-Dichloropropane (µg/L)	9/ 1/1998	WA-12/36039	2.500	0.000	
1,2-Dichloropropane (µg/L)	3/ 8/2000	WA-12/36593	0.654	0.000	
1,2-Dichloropropane (µg/L)	8/29/2000	WA-12/36767	0.435	0.100	J
1,2-Dichloropropane (µg/L)	8/14/2001	WA-12/37117	0.930	0.500	
1,2-Dichloropropane (µg/L)	1/30/2002	WA-12/37286	0.640	0.500	
1,2-Dichloropropane (µg/L)	11/13/2002	WA-12/37573	0.370	0.070	J
1,2-Dichloropropane (µg/L)	11/12/2003	WA-12/37937	0.420	0.070	J
1,2-Dichloropropane (µg/L)	5/10/2004	WA-12/38117	0.150	0.070	J
1,2-Dichloropropane (µg/L)	11/ 9/2004	WA-12/38300	0.110	0.070	J
1,2-Dichloropropane (µg/L)	10/12/2005	WA-12/38637	0.140	0.130	J
1,2-Dichloropropane (µg/L)	5/24/2007	WA-12/39226	0.120	0.120	J
1,2-Dichloropropane (µg/L)	5/23/2008	WA-12/39591	0.780	0.410	J
1,2-Dichloropropane (µg/L)	11/ 5/2008	WA-12/39757	1.800	0.160	
1,2-Dichloropropane (µg/L)	5/26/2009	WA-12/39959	1.600	0.160	
1,2-Dichloropropane (µg/L)	5/20/2010	WA-12/40318	1.300	0.120	
1,2-Dichloropropane (µg/L)	12/ 7/2010	WA-12/40519	1.800	0.130	
1,2-Dichloropropane (µg/L)	5/25/2011	WA-12/40688	1.800	0.130	
1,2-Dichloropropane (µg/L)	11/ 9/2011	WA-12/40856	1.800	0.130	
1,2-Dichloropropane (µg/L)	5/18/2012	WA-12/41047	1.800	0.130	
1,2-Dichloropropane (µg/L)	11/ 2/2012	WA-12/41215	1.800	0.130	
Acetone (µg/L)	11/13/2002	WA-12/37573	2.300	1.800	J
Acetone (µg/L)	11/14/2006	WA-12/39035	1.500	0.960	J,A
Chlorobenzene (µg/L)	7/ 1/1990	WA-12/33055	3.000	0.000	
Chlorobenzene (µg/L)	6/ 1/1991	WA-12/33390	4.000	0.000	
Chlorobenzene (µg/L)	8/ 1/1991	WA-12/33451	3.500	0.000	
Chlorobenzene (µg/L)	11/25/1991	WA-12/33567	5.300	0.000	
Chlorobenzene (µg/L)	2/ 1/1992	WA-12/33635	6.000	0.000	
Chlorobenzene (µg/L)	5/ 1/1992	WA-12/33725	5.000	0.000	
Chlorobenzene (µg/L)	8/ 1/1992	WA-12/33817	5.200	0.000	

Historical Detected VOCs in Class III Area Corrective Action Assessment Monitoring Wells

Company:	San Benito County	**Data Group:**	None
Site:	John Smith Road Landfill	**Date Range:**	All thru 4q12
Program:	SBC Groundwater	**Permit:**	WDR 2010-0021

Parameter (Unit)	Date	Sample ID	Result Value	Detection Limit	Code
Chlorobenzene (µg/L)	12/ 1/1992	WA-12/33939	5.100	0.000	
Chlorobenzene (µg/L)	2/ 1/1993	WA-12/34001	5.000	0.000	
Chlorobenzene (µg/L)	5/ 1/1993	WA-12/34090	4.400	0.000	
Chlorobenzene (µg/L)	3/ 1/1994	WA-12/34394	1.300	0.000	
Chlorobenzene (µg/L)	9/ 1/1995	WA-12/34943	1.600	0.000	
Chlorobenzene (µg/L)	3/ 1/1996	WA-12/35125	0.800	0.000	
Chlorobenzene (µg/L)	11/ 2/2012	WA-12/41215	0.120	0.093	J
Chloromethane (µg/L)	11/ 9/2004	WA-12/38300	0.370	0.140	J
cis-1,2-Dichloroethene (µg/L)	3/ 1/1991	WA-12/33298	55.000	0.000	
cis-1,2-Dichloroethene (µg/L)	6/ 1/1991	WA-12/33390	65.000	0.000	
cis-1,2-Dichloroethene (µg/L)	8/ 1/1991	WA-12/33451	60.000	0.000	
cis-1,2-Dichloroethene (µg/L)	11/25/1991	WA-12/33567	77.000	0.000	
cis-1,2-Dichloroethene (µg/L)	2/ 1/1992	WA-12/33635	61.000	0.000	
cis-1,2-Dichloroethene (µg/L)	5/ 1/1992	WA-12/33725	61.000	0.000	
cis-1,2-Dichloroethene (µg/L)	8/ 1/1992	WA-12/33817	61.000	0.000	
cis-1,2-Dichloroethene (µg/L)	12/ 1/1992	WA-12/33939	61.000	0.000	
cis-1,2-Dichloroethene (µg/L)	2/ 1/1993	WA-12/34001	60.000	0.000	
cis-1,2-Dichloroethene (µg/L)	5/ 1/1993	WA-12/34090	54.000	0.000	
cis-1,2-Dichloroethene (µg/L)	8/ 1/1993	WA-12/34182	35.000	0.000	
cis-1,2-Dichloroethene (µg/L)	11/ 1/1993	WA-12/34274	24.000	0.000	
cis-1,2-Dichloroethene (µg/L)	3/ 1/1994	WA-12/34394	34.000	0.000	
cis-1,2-Dichloroethene (µg/L)	5/ 1/1994	WA-12/34455	25.000	0.000	
cis-1,2-Dichloroethene (µg/L)	9/ 1/1994	WA-12/34578	35.000	0.000	
cis-1,2-Dichloroethene (µg/L)	3/ 1/1995	WA-12/34759	38.000	0.000	
cis-1,2-Dichloroethene (µg/L)	9/ 1/1995	WA-12/34943	30.000	0.000	
cis-1,2-Dichloroethene (µg/L)	3/ 1/1996	WA-12/35125	17.000	0.000	
cis-1,2-Dichloroethene (µg/L)	3/ 1/1997	WA-12/35490	8.500	0.000	
cis-1,2-Dichloroethene (µg/L)	9/ 1/1997	WA-12/35674	14.000	0.000	
cis-1,2-Dichloroethene (µg/L)	9/ 1/1998	WA-12/36039	8.900	0.000	
cis-1,2-Dichloroethene (µg/L)	3/ 1/1999	WA-12/36220	4.310	0.000	
cis-1,2-Dichloroethene (µg/L)	3/ 8/2000	WA-12/36593	1.880	0.000	
cis-1,2-Dichloroethene (µg/L)	6/15/2000	WA-12/36692	2.560	1.000	
cis-1,2-Dichloroethene (µg/L)	8/29/2000	WA-12/36767	2.200	0.070	
cis-1,2-Dichloroethene (µg/L)	2/15/2001	WA-12/36937	2.130	0.500	
cis-1,2-Dichloroethene (µg/L)	8/14/2001	WA-12/37117	4.400	0.500	
cis-1,2-Dichloroethene (µg/L)	1/30/2002	WA-12/37286	2.000	0.500	
cis-1,2-Dichloroethene (µg/L)	11/13/2002	WA-12/37573	1.700	0.090	
cis-1,2-Dichloroethene (µg/L)	5/14/2003	WA-12/37755	0.800	0.310	J
cis-1,2-Dichloroethene (µg/L)	11/12/2003	WA-12/37937	2.200	0.090	
cis-1,2-Dichloroethene (µg/L)	5/10/2004	WA-12/38117	0.760	0.090	J
cis-1,2-Dichloroethene (µg/L)	11/ 9/2004	WA-12/38300	0.750	0.090	J
cis-1,2-Dichloroethene (µg/L)	5/19/2005	WA-12/38491	0.560	0.150	
cis-1,2-Dichloroethene (µg/L)	10/12/2005	WA-12/38637	1.000	0.150	
cis-1,2-Dichloroethene (µg/L)	5/ 9/2006	WA-12/38846	0.620	0.150	J
cis-1,2-Dichloroethene (µg/L)	11/14/2006	WA-12/39035	0.630	0.200	J
cis-1,2-Dichloroethene (µg/L)	5/24/2007	WA-12/39226	0.730	0.130	
cis-1,2-Dichloroethene (µg/L)	11/15/2007	WA-12/39401	5.700	0.110	
cis-1,2-Dichloroethene (µg/L)	5/23/2008	WA-12/39591	3.600	0.320	
cis-1,2-Dichloroethene (µg/L)	11/ 5/2008	WA-12/39757	9.000	0.320	
cis-1,2-Dichloroethene (µg/L)	5/26/2009	WA-12/39959	7.900	0.320	
cis-1,2-Dichloroethene (µg/L)	12/15/2009	WA-12/40162	8.800	0.110	
cis-1,2-Dichloroethene (µg/L)	5/20/2010	WA-12/40318	7.400	0.110	

Historical Detected VOCs in Class III Area Corrective Action Assessment Monitoring Wells

Company:	San Benito County	**Data Group:**	None
Site:	John Smith Road Landfill	**Date Range:**	All thru 4q12
Program:	SBC Groundwater	**Permit:**	WDR 2010-0021

Parameter (Unit)	Date	Sample ID	Result Value	Detection Limit	Code
cis-1,2-Dichloroethene (µg/L)	12/ 7/2010	WA-12/40519	8.600	0.085	
cis-1,2-Dichloroethene (µg/L)	5/25/2011	WA-12/40688	9.700	0.085	
cis-1,2-Dichloroethene (µg/L)	11/ 9/2011	WA-12/40856	8.600	0.085	
cis-1,2-Dichloroethene (µg/L)	5/18/2012	WA-12/41047	8.700	0.085	
cis-1,2-Dichloroethene (µg/L)	11/ 2/2012	WA-12/41215	8.300	0.085	
Dichlorodifluoromethane (µg/L)	3/ 1/1994	WA-12/34394	14.000	0.000	
Dichlorodifluoromethane (µg/L)	5/ 1/1994	WA-12/34455	14.000	0.000	
Dichlorodifluoromethane (µg/L)	9/ 1/1994	WA-12/34578	8.400	0.000	
Dichlorodifluoromethane (µg/L)	3/ 1/1995	WA-12/34759	19.000	0.000	
Dichlorodifluoromethane (µg/L)	3/ 1/1996	WA-12/35125	3.900	0.000	
Dichlorodifluoromethane (µg/L)	9/ 1/1996	WA-12/35309	8.500	0.000	
Dichlorodifluoromethane (µg/L)	3/ 1/1997	WA-12/35490	8.100	0.000	
Dichlorodifluoromethane (µg/L)	8/29/2000	WA-12/36767	1.490	0.200	
Dichlorodifluoromethane (µg/L)	8/14/2001	WA-12/37117	1.100	0.500	
Dichlorodifluoromethane (µg/L)	11/13/2002	WA-12/37573	0.990	0.090	J
Dichlorodifluoromethane (µg/L)	5/14/2003	WA-12/37755	0.710	0.310	J
Dichlorodifluoromethane (µg/L)	11/12/2003	WA-12/37937	1.300	0.090	
Dichlorodifluoromethane (µg/L)	5/10/2004	WA-12/38117	0.520	0.090	J
Dichlorodifluoromethane (µg/L)	11/ 9/2004	WA-12/38300	0.460	0.090	J
Dichlorodifluoromethane (µg/L)	5/19/2005	WA-12/38491	0.350	0.310	
Dichlorodifluoromethane (µg/L)	11/14/2006	WA-12/39035	0.400	0.160	J
Dichlorodifluoromethane (µg/L)	5/24/2007	WA-12/39226	0.440	0.085	J
Dichlorodifluoromethane (µg/L)	11/15/2007	WA-12/39401	1.800	0.110	
Dichlorodifluoromethane (µg/L)	5/23/2008	WA-12/39591	1.000	0.340	
Dichlorodifluoromethane (µg/L)	11/ 5/2008	WA-12/39757	1.300	0.220	
Dichlorodifluoromethane (µg/L)	5/26/2009	WA-12/39959	1.800	0.220	
Dichlorodifluoromethane (µg/L)	12/15/2009	WA-12/40162	2.600	0.110	
Dichlorodifluoromethane (µg/L)	5/20/2010	WA-12/40318	0.990	0.110	
Dichlorodifluoromethane (µg/L)	12/ 7/2010	WA-12/40519	1.200	0.099	
Dichlorodifluoromethane (µg/L)	5/25/2011	WA-12/40688	1.100	0.099	
Dichlorodifluoromethane (µg/L)	11/ 9/2011	WA-12/40856	1.200	0.099	
Dichlorodifluoromethane (µg/L)	5/18/2012	WA-12/41047	1.000	0.099	
Dichlorodifluoromethane (µg/L)	11/ 2/2012	WA-12/41215	1.400	0.099	
Tetrachloroethene (µg/L)	7/ 1/1990	WA-12/33055	13.000	0.000	
Tetrachloroethene (µg/L)	3/ 1/1991	WA-12/33298	11.000	0.000	
Tetrachloroethene (µg/L)	6/ 1/1991	WA-12/33390	13.000	0.000	
Tetrachloroethene (µg/L)	8/ 1/1991	WA-12/33451	12.000	0.000	
Tetrachloroethene (µg/L)	11/25/1991	WA-12/33567	14.000	0.000	
Tetrachloroethene (µg/L)	2/ 1/1992	WA-12/33635	13.000	0.000	
Tetrachloroethene (µg/L)	5/ 1/1992	WA-12/33725	13.000	0.000	
Tetrachloroethene (µg/L)	8/ 1/1992	WA-12/33817	13.000	0.000	
Tetrachloroethene (µg/L)	12/ 1/1992	WA-12/33939	13.000	0.000	
Tetrachloroethene (µg/L)	2/ 1/1993	WA-12/34001	14.000	0.000	
Tetrachloroethene (µg/L)	5/ 1/1993	WA-12/34090	13.000	0.000	
Tetrachloroethene (µg/L)	8/ 1/1993	WA-12/34182	8.800	0.000	
Tetrachloroethene (µg/L)	11/ 1/1993	WA-12/34274	7.700	0.000	
Tetrachloroethene (µg/L)	3/ 1/1994	WA-12/34394	12.000	0.000	
Tetrachloroethene (µg/L)	5/ 1/1994	WA-12/34455	8.000	0.000	
Tetrachloroethene (µg/L)	9/ 1/1994	WA-12/34578	8.500	0.000	
Tetrachloroethene (µg/L)	3/ 1/1995	WA-12/34759	9.500	0.000	
Tetrachloroethene (µg/L)	9/ 1/1995	WA-12/34943	9.000	0.000	
Tetrachloroethene (µg/L)	3/ 1/1996	WA-12/35125	5.800	0.000	

Historical Detected VOCs in Class III Area Corrective Action Assessment Monitoring Wells

Company:	San Benito County	**Data Group:**	None
Site:	John Smith Road Landfill	**Date Range:**	All thru 4q12
Program:	SBC Groundwater	**Permit:**	WDR 2010-0021

Parameter (Unit)	Date	Sample ID	Result Value	Detection Limit	Code
Tetrachloroethene (µg/L)	9/ 1/1996	WA-12/35309	4.900	0.000	
Tetrachloroethene (µg/L)	3/ 1/1997	WA-12/35490	3.700	0.000	
Tetrachloroethene (µg/L)	9/ 1/1997	WA-12/35674	5.400	0.000	
Tetrachloroethene (µg/L)	9/ 1/1998	WA-12/36039	4.600	0.000	
Tetrachloroethene (µg/L)	3/ 1/1999	WA-12/36220	3.460	0.000	
Tetrachloroethene (µg/L)	3/ 8/2000	WA-12/36593	1.910	0.000	
Tetrachloroethene (µg/L)	6/15/2000	WA-12/36692	2.060	1.000	
Tetrachloroethene (µg/L)	8/29/2000	WA-12/36767	2.160	0.100	
Tetrachloroethene (µg/L)	2/15/2001	WA-12/36937	2.640	0.500	
Tetrachloroethene (µg/L)	8/14/2001	WA-12/37117	3.300	0.500	
Tetrachloroethene (µg/L)	1/30/2002	WA-12/37286	1.500	0.500	
Tetrachloroethene (µg/L)	11/13/2002	WA-12/37573	2.400	0.080	
Tetrachloroethene (µg/L)	5/14/2003	WA-12/37755	1.100	0.440	
Tetrachloroethene (µg/L)	11/12/2003	WA-12/37937	1.900	0.080	
Tetrachloroethene (µg/L)	5/10/2004	WA-12/38117	1.100	0.080	
Tetrachloroethene (µg/L)	11/ 9/2004	WA-12/38300	1.000	0.080	
Tetrachloroethene (µg/L)	5/19/2005	WA-12/38491	0.900	0.200	
Tetrachloroethene (µg/L)	10/12/2005	WA-12/38637	1.000	0.200	
Tetrachloroethene (µg/L)	5/ 9/2006	WA-12/38846	0.890	0.200	J
Tetrachloroethene (µg/L)	11/14/2006	WA-12/39035	1.000	0.130	
Tetrachloroethene (µg/L)	5/24/2007	WA-12/39226	1.200	0.110	
Tetrachloroethene (µg/L)	11/15/2007	WA-12/39401	3.100	0.110	
Tetrachloroethene (µg/L)	5/23/2008	WA-12/39591	2.000	0.280	
Tetrachloroethene (µg/L)	11/ 5/2008	WA-12/39757	4.400	0.280	
Tetrachloroethene (µg/L)	5/26/2009	WA-12/39959	4.000	0.280	
Tetrachloroethene (µg/L)	12/15/2009	WA-12/40162	4.200	0.130	
Tetrachloroethene (µg/L)	5/20/2010	WA-12/40318	3.100	0.130	
Tetrachloroethene (µg/L)	12/ 7/2010	WA-12/40519	4.100	0.130	
Tetrachloroethene (µg/L)	5/25/2011	WA-12/40688	3.800	0.130	
Tetrachloroethene (µg/L)	11/ 9/2011	WA-12/40856	3.700	0.130	
Tetrachloroethene (µg/L)	5/18/2012	WA-12/41047	3.800	0.130	
Tetrachloroethene (µg/L)	11/ 2/2012	WA-12/41215	4.100	0.130	
trans-1,2-Dichloroethene (µg/L)	6/ 1/1991	WA-12/33390	4.200	0.000	
trans-1,2-Dichloroethene (µg/L)	8/ 1/1991	WA-12/33451	3.700	0.000	
trans-1,2-Dichloroethene (µg/L)	11/25/1991	WA-12/33567	4.700	0.000	
trans-1,2-Dichloroethene (µg/L)	2/ 1/1992	WA-12/33635	4.000	0.000	
trans-1,2-Dichloroethene (µg/L)	5/ 1/1992	WA-12/33725	4.000	0.000	
trans-1,2-Dichloroethene (µg/L)	8/ 1/1992	WA-12/33817	3.900	0.000	
trans-1,2-Dichloroethene (µg/L)	12/ 1/1992	WA-12/33939	3.700	0.000	
trans-1,2-Dichloroethene (µg/L)	2/ 1/1993	WA-12/34001	3.500	0.000	
trans-1,2-Dichloroethene (µg/L)	5/ 1/1993	WA-12/34090	3.200	0.000	
trans-1,2-Dichloroethene (µg/L)	8/ 1/1993	WA-12/34182	2.000	0.000	
trans-1,2-Dichloroethene (µg/L)	3/ 1/1994	WA-12/34394	2.000	0.000	
trans-1,2-Dichloroethene (µg/L)	9/ 1/1995	WA-12/34943	1.600	0.000	
trans-1,2-Dichloroethene (µg/L)	3/ 1/1996	WA-12/35125	0.900	0.000	
trans-1,2-Dichloroethene (µg/L)	3/ 1/1997	WA-12/35490	0.600	0.000	
trans-1,2-Dichloroethene (µg/L)	9/ 1/1997	WA-12/35674	0.700	0.000	
trans-1,2-Dichloroethene (µg/L)	8/29/2000	WA-12/36767	0.087	0.060	J
trans-1,2-Dichloroethene (µg/L)	11/13/2002	WA-12/37573	0.098	0.090	J
trans-1,2-Dichloroethene (µg/L)	11/12/2003	WA-12/37937	0.160	0.090	J
trans-1,2-Dichloroethene (µg/L)	11/15/2007	WA-12/39401	0.260	0.140	J
trans-1,2-Dichloroethene (µg/L)	11/ 5/2008	WA-12/39757	0.500	0.140	J

Historical Detected VOCs in Class III Area Corrective Action Assessment Monitoring Wells

Company:	San Benito County	**Data Group:**	None
Site:	John Smith Road Landfill	**Date Range:**	All thru 4q12
Program:	SBC Groundwater	**Permit:**	WDR 2010-0021

Parameter (Unit)	Date	Sample ID	Result Value	Detection Limit	Code
trans-1,2-Dichloroethene (µg/L)	5/26/2009	WA-12/39959	0.370	0.140	
trans-1,2-Dichloroethene (µg/L)	5/20/2010	WA-12/40318	0.320	0.097	
trans-1,2-Dichloroethene (µg/L)	12/ 7/2010	WA-12/40519	0.330	0.150	J
trans-1,2-Dichloroethene (µg/L)	5/25/2011	WA-12/40688	0.390	0.150	J
trans-1,2-Dichloroethene (µg/L)	11/ 9/2011	WA-12/40856	0.370	0.150	J
trans-1,2-Dichloroethene (µg/L)	5/18/2012	WA-12/41047	0.370	0.150	J
trans-1,2-Dichloroethene (µg/L)	11/ 2/2012	WA-12/41215	0.390	0.150	J
Trichloroethene (µg/L)	7/ 1/1990	WA-12/33055	56.000	0.000	
Trichloroethene (µg/L)	3/ 1/1991	WA-12/33298	52.000	0.000	
Trichloroethene (µg/L)	6/ 1/1991	WA-12/33390	60.000	0.000	
Trichloroethene (µg/L)	8/ 1/1991	WA-12/33451	52.000	0.000	
Trichloroethene (µg/L)	11/25/1991	WA-12/33567	69.000	0.000	
Trichloroethene (µg/L)	2/ 1/1992	WA-12/33635	56.000	0.000	
Trichloroethene (µg/L)	5/ 1/1992	WA-12/33725	56.000	0.000	
Trichloroethene (µg/L)	8/ 1/1992	WA-12/33817	54.000	0.000	
Trichloroethene (µg/L)	12/ 1/1992	WA-12/33939	52.000	0.000	
Trichloroethene (µg/L)	2/ 1/1993	WA-12/34001	55.000	0.000	
Trichloroethene (µg/L)	5/ 1/1993	WA-12/34090	44.000	0.000	
Trichloroethene (µg/L)	8/ 1/1993	WA-12/34182	28.000	0.000	
Trichloroethene (µg/L)	11/ 1/1993	WA-12/34274	21.000	0.000	
Trichloroethene (µg/L)	3/ 1/1994	WA-12/34394	28.000	0.000	
Trichloroethene (µg/L)	5/ 1/1994	WA-12/34455	23.000	0.000	
Trichloroethene (µg/L)	9/ 1/1994	WA-12/34578	26.000	0.000	
Trichloroethene (µg/L)	3/ 1/1995	WA-12/34759	25.000	0.000	
Trichloroethene (µg/L)	9/ 1/1995	WA-12/34943	22.000	0.000	
Trichloroethene (µg/L)	3/ 1/1996	WA-12/35125	13.000	0.000	
Trichloroethene (µg/L)	9/ 1/1996	WA-12/35309	9.800	0.000	
Trichloroethene (µg/L)	3/ 1/1997	WA-12/35490	7.600	0.000	
Trichloroethene (µg/L)	9/ 1/1997	WA-12/35674	11.000	0.000	
Trichloroethene (µg/L)	9/ 1/1998	WA-12/36039	8.000	0.000	
Trichloroethene (µg/L)	3/ 1/1999	WA-12/36220	4.840	0.000	
Trichloroethene (µg/L)	3/ 8/2000	WA-12/36593	2.360	0.000	
Trichloroethene (µg/L)	6/15/2000	WA-12/36692	2.800	1.000	
Trichloroethene (µg/L)	8/29/2000	WA-12/36767	2.350	0.100	
Trichloroethene (µg/L)	2/15/2001	WA-12/36937	2.620	0.500	
Trichloroethene (µg/L)	8/14/2001	WA-12/37117	4.000	0.500	
Trichloroethene (µg/L)	1/30/2002	WA-12/37286	2.100	0.500	
Trichloroethene (µg/L)	11/13/2002	WA-12/37573	2.500	0.060	
Trichloroethene (µg/L)	5/14/2003	WA-12/37755	1.100	0.360	
Trichloroethene (µg/L)	11/12/2003	WA-12/37937	2.500	0.060	
Trichloroethene (µg/L)	5/10/2004	WA-12/38117	1.300	0.060	
Trichloroethene (µg/L)	11/ 9/2004	WA-12/38300	1.400	0.060	
Trichloroethene (µg/L)	5/19/2005	WA-12/38491	1.000	0.160	
Trichloroethene (µg/L)	10/12/2005	WA-12/38637	1.700	0.160	
Trichloroethene (µg/L)	5/ 9/2006	WA-12/38846	1.100	0.160	
Trichloroethene (µg/L)	11/14/2006	WA-12/39035	1.000	0.120	
Trichloroethene (µg/L)	5/24/2007	WA-12/39226	1.200	0.130	
Trichloroethene (µg/L)	11/15/2007	WA-12/39401	4.800	0.130	
Trichloroethene (µg/L)	5/23/2008	WA-12/39591	3.100	0.190	
Trichloroethene (µg/L)	11/ 5/2008	WA-12/39757	7.600	0.160	
Trichloroethene (µg/L)	5/26/2009	WA-12/39959	7.000	0.160	
Trichloroethene (µg/L)	12/15/2009	WA-12/40162	7.300	0.130	

Historical Detected VOCs in Class III Area Corrective Action Assessment Monitoring Wells

Company:	San Benito County	**Data Group:**	None
Site:	John Smith Road Landfill	**Date Range:**	All thru 4q12
Program:	SBC Groundwater	**Permit:**	WDR 2010-0021

Parameter (Unit)	Date	Sample ID	Result Value	Detection Limit	Code
Trichloroethene (µg/L)	5/20/2010	WA-12/40318	5.200	0.130	
Trichloroethene (µg/L)	12/ 7/2010	WA-12/40519	7.000	0.085	
Trichloroethene (µg/L)	5/25/2011	WA-12/40688	7.000	0.085	
Trichloroethene (µg/L)	11/ 9/2011	WA-12/40856	7.000	0.085	
Trichloroethene (µg/L)	5/18/2012	WA-12/41047	6.900	0.085	
Trichloroethene (µg/L)	11/ 2/2012	WA-12/41215	7.100	0.085	
Vinyl chloride (µg/L)	7/ 1/1990	WA-12/33055	12.000	0.000	
Vinyl chloride (µg/L)	3/ 1/1991	WA-12/33298	20.000	0.000	
Vinyl chloride (µg/L)	6/ 1/1991	WA-12/33390	19.000	0.000	
Vinyl chloride (µg/L)	8/ 1/1991	WA-12/33451	12.000	0.000	
Vinyl chloride (µg/L)	11/25/1991	WA-12/33567	19.000	0.000	
Vinyl chloride (µg/L)	2/ 1/1992	WA-12/33635	15.000	0.000	
Vinyl chloride (µg/L)	5/ 1/1992	WA-12/33725	15.000	0.000	
Vinyl chloride (µg/L)	8/ 1/1992	WA-12/33817	16.000	0.000	
Vinyl chloride (µg/L)	12/ 1/1992	WA-12/33939	13.000	0.000	
Vinyl chloride (µg/L)	2/ 1/1993	WA-12/34001	12.000	0.000	
Vinyl chloride (µg/L)	5/ 1/1993	WA-12/34090	9.700	0.000	
Vinyl chloride (µg/L)	8/ 1/1993	WA-12/34182	5.900	0.000	
Vinyl chloride (µg/L)	11/ 1/1993	WA-12/34274	4.200	0.000	
Vinyl chloride (µg/L)	3/ 1/1994	WA-12/34394	13.000	0.000	
Vinyl chloride (µg/L)	9/ 1/1994	WA-12/34578	8.810	0.000	
Vinyl chloride (µg/L)	3/ 1/1995	WA-12/34759	6.600	0.000	
Vinyl chloride (µg/L)	9/ 1/1995	WA-12/34943	6.900	0.000	
Vinyl chloride (µg/L)	3/ 1/1996	WA-12/35125	3.600	0.000	
Vinyl chloride (µg/L)	9/ 1/1996	WA-12/35309	2.000	0.000	
Vinyl chloride (µg/L)	3/ 1/1997	WA-12/35490	0.800	0.000	
Vinyl chloride (µg/L)	9/ 1/1997	WA-12/35674	1.800	0.000	
Vinyl chloride (µg/L)	8/29/2000	WA-12/36767	0.466	0.160	J
Vinyl chloride (µg/L)	12/15/2009	WA-12/40162	0.190	0.140	J
Vinyl chloride (µg/L)	12/ 7/2010	WA-12/40519	0.220	0.120	J
Vinyl chloride (µg/L)	11/ 2/2012	WA-12/41215	0.250	0.120	J
WA-19					
Volatile Organic Compounds					
Acetone (µg/L)	11/10/2006	WA-19/39031	2.600	0.960	J,A
Acetone (µg/L)	6/ 1/2009	WA-19/39965	9.100	7.400	J
Chloromethane (µg/L)	5/11/2006	WA-19/38848	0.480	0.300	J
Dibromochloromethane (µg/L)	11/ 7/2008	WA-19/39759	0.820	0.230	J,A
Methylene chloride (µg/L)	11/13/2003	WA-19/37938	0.120	0.060	A,J
Methylene chloride (µg/L)	11/10/2004	WA-19/38301	0.380	0.060	J
WA-20					
Volatile Organic Compounds					
1,2-Dichloroethane (µg/L)	8/29/2000	WA-20/36767	0.130	0.080	J
1,2-Dichloroethane (µg/L)	8/29/2000	WA-20/36767	0.150	0.130	J
1,2-Dichloroethane (µg/L)	10/ 5/2000	WA-20/36804	0.141	0.080	J
1,2-Dichloroethane (µg/L)	2/15/2001	WA-20/36937	0.121	0.080	J
1,2-Dichloroethane (µg/L)	8/15/2001	WA-20/37118	0.096	0.080	J
1,2-Dichloropropane (µg/L)	3/ 1/1995	WA-20/34759	0.640	0.000	
1,2-Dichloropropane (µg/L)	9/ 1/1996	WA-20/35309	0.500	0.000	
1,2-Dichloropropane (µg/L)	8/29/2000	WA-20/36767	0.293	0.070	J
1,2-Dichloropropane (µg/L)	8/29/2000	WA-20/36767	0.270	0.100	J

Historical Detected VOCs in Class III Area Corrective Action Assessment Monitoring Wells

Company:	San Benito County	**Data Group:**	None
Site:	John Smith Road Landfill	**Date Range:**	All thru 4q12
Program:	SBC Groundwater	**Permit:**	WDR 2010-0021

Parameter (Unit)	Date	Sample ID	Result Value	Detection Limit	Code
1,2-Dichloropropane (µg/L)	10/ 5/2000	WA-20/36804	0.376	0.070	J
1,2-Dichloropropane (µg/L)	2/15/2001	WA-20/36937	0.279	0.070	J
1,2-Dichloropropane (µg/L)	8/15/2001	WA-20/37118	0.370	0.070	J
1,2-Dichloropropane (µg/L)	1/31/2002	WA-20/37287	0.240	0.070	J
1,2-Dichloropropane (µg/L)	11/13/2002	WA-20/37573	0.280	0.070	J
1,2-Dichloropropane (µg/L)	11/12/2003	WA-20/37937	0.180	0.070	J
1,2-Dichloropropane (µg/L)	5/12/2004	WA-20/38119	0.120	0.070	J
1,2-Dichloropropane (µg/L)	11/10/2004	WA-20/38301	0.140	0.070	D,J
1,4-dioxane (µg/L)	5/19/2005	DUP-2/38491	1.700	1.700	
Acetone (µg/L)	11/14/2006	WA-20/39035	1.800	0.960	J,A
Chloromethane (µg/L)	11/10/2004	WA-20/38301	0.350	0.140	D,J
cis-1,2-Dichloroethene (µg/L)	3/ 1/1994	WA-20/34394	0.500	0.000	
cis-1,2-Dichloroethene (µg/L)	5/ 1/1994	WA-20/34455	0.600	0.000	
cis-1,2-Dichloroethene (µg/L)	9/ 1/1994	WA-20/34578	0.700	0.000	
cis-1,2-Dichloroethene (µg/L)	3/ 1/1995	WA-20/34759	1.600	0.000	
cis-1,2-Dichloroethene (µg/L)	3/ 1/1996	WA-20/35125	1.000	0.000	
cis-1,2-Dichloroethene (µg/L)	9/ 1/1996	WA-20/35309	1.100	0.000	
cis-1,2-Dichloroethene (µg/L)	3/ 1/1997	WA-20/35490	1.100	0.000	
cis-1,2-Dichloroethene (µg/L)	8/29/2000	WA-20/36767	0.503	0.070	
cis-1,2-Dichloroethene (µg/L)	8/29/2000	WA-20/36767	0.506	0.090	J
cis-1,2-Dichloroethene (µg/L)	10/ 5/2000	WA-20/36804	0.647	0.090	J
cis-1,2-Dichloroethene (µg/L)	2/15/2001	WA-20/36937	0.575	0.090	J
cis-1,2-Dichloroethene (µg/L)	8/15/2001	WA-20/37118	0.780	0.090	J
cis-1,2-Dichloroethene (µg/L)	1/31/2002	WA-20/37287	0.590	0.090	J
cis-1,2-Dichloroethene (µg/L)	11/13/2002	WA-20/37573	0.520	0.090	J
cis-1,2-Dichloroethene (µg/L)	5/14/2003	WA-20/37755	0.430	0.310	J
cis-1,2-Dichloroethene (µg/L)	11/12/2003	WA-20/37937	0.430	0.090	J
cis-1,2-Dichloroethene (µg/L)	5/12/2004	WA-20/38119	0.290	0.090	J
cis-1,2-Dichloroethene (µg/L)	11/10/2004	WA-20/38301	0.350	0.090	D,J
cis-1,2-Dichloroethene (µg/L)	11/10/2004	WA-20/38301	0.320	0.090	J
cis-1,2-Dichloroethene (µg/L)	5/19/2005	DUP-2/38491	0.320	0.150	
cis-1,2-Dichloroethene (µg/L)	5/19/2005	WA-20/38491	0.320	0.150	
cis-1,2-Dichloroethene (µg/L)	10/18/2005	WA-20/38643	0.180	0.150	
cis-1,2-Dichloroethene (µg/L)	5/ 9/2006	WA-20/38846	0.160	0.150	J
cis-1,2-Dichloroethene (µg/L)	11/14/2006	WA-20/39035	0.210	0.200	J
cis-1,2-Dichloroethene (µg/L)	5/25/2007	WA-20/39227	0.180	0.130	D
cis-1,2-Dichloroethene (µg/L)	5/25/2007	WA-20/39227	0.160	0.130	J
cis-1,2-Dichloroethene (µg/L)	11/15/2007	WA-20/39401	0.180	0.110	J
Dichlorodifluoromethane (µg/L)	9/ 1/1994	WA-20/34578	5.600	0.000	
Dichlorodifluoromethane (µg/L)	9/ 1/1996	WA-20/35309	1.100	0.000	
Dichlorodifluoromethane (µg/L)	8/29/2000	WA-20/36767	0.117	0.090	J
Dichlorodifluoromethane (µg/L)	10/ 5/2000	WA-20/36804	0.186	0.090	J
Dichlorodifluoromethane (µg/L)	2/15/2001	WA-20/36937	0.114	0.090	J
Dichlorodifluoromethane (µg/L)	11/13/2002	WA-20/37573	0.170	0.090	J
Dichlorodifluoromethane (µg/L)	11/12/2003	WA-20/37937	0.150	0.090	J
Methylene chloride (µg/L)	11/10/2004	WA-20/38301	1.100	0.060	D
Methylene chloride (µg/L)	11/10/2004	WA-20/38301	0.420	0.060	J
Tetrachloroethene (µg/L)	8/29/2000	WA-20/36767	0.127	0.080	J
Tetrachloroethene (µg/L)	8/29/2000	WA-20/36767	0.153	0.100	J
Tetrachloroethene (µg/L)	10/ 5/2000	WA-20/36804	0.182	0.080	J
Tetrachloroethene (µg/L)	2/15/2001	WA-20/36937	0.145	0.080	J
Tetrachloroethene (µg/L)	8/15/2001	WA-20/37118	0.220	0.080	J

Historical Detected VOCs in Class III Area Corrective Action Assessment Monitoring Wells

Company:	San Benito County	**Data Group:**	None
Site:	John Smith Road Landfill	**Date Range:**	All thru 4q12
Program:	SBC Groundwater	**Permit:**	WDR 2010-0021

Parameter (Unit)	Date	Sample ID	Result Value	Detection Limit	Code
Tetrachloroethene (µg/L)	1/31/2002	WA-20/37287	0.240	0.080	J
Tetrachloroethene (µg/L)	11/13/2002	WA-20/37573	0.210	0.080	J
Tetrachloroethene (µg/L)	11/12/2003	WA-20/37937	0.240	0.080	J
Tetrachloroethene (µg/L)	5/12/2004	WA-20/38119	0.170	0.080	J
Tetrachloroethene (µg/L)	11/10/2004	WA-20/38301	0.180	0.080	D,J
Tetrachloroethene (µg/L)	11/10/2004	WA-20/38301	0.180	0.080	J
Tetrachloroethene (µg/L)	11/14/2006	WA-20/39035	0.180	0.130	J
Tetrachloroethene (µg/L)	5/25/2007	WA-20/39227	0.190	0.110	D
Tetrachloroethene (µg/L)	5/25/2007	WA-20/39227	0.190	0.110	J
Tetrachloroethene (µg/L)	11/15/2007	WA-20/39401	0.180	0.110	J
Tetrachloroethene (µg/L)	11/ 5/2008	WA-20/39757	0.310	0.280	J
Tetrachloroethene (µg/L)	12/18/2009	WA-20/40165	0.250	0.130	J
Tetrachloroethene (µg/L)	12/ 7/2010	WA-20/40519	0.200	0.130	J
Tetrachloroethene (µg/L)	5/24/2011	WA-20/40687	0.140	0.130	J
Tetrachloroethene (µg/L)	11/ 9/2011	WA-20/40856	0.210	0.130	J
Tetrachloroethene (µg/L)	5/18/2012	WA-20/41047	0.160	0.130	J
Tetrachloroethene (µg/L)	11/ 2/2012	WA-20/41215	0.240	0.130	J
Trichloroethene (µg/L)	8/29/2000	WA-20/36767	0.470	0.060	J
Trichloroethene (µg/L)	8/29/2000	WA-20/36767	0.453	0.100	J
Trichloroethene (µg/L)	10/ 5/2000	WA-20/36804	0.689	0.060	J
Trichloroethene (µg/L)	2/15/2001	WA-20/36937	0.515	0.060	J
Trichloroethene (µg/L)	8/15/2001	WA-20/37118	0.800	0.060	J
Trichloroethene (µg/L)	1/31/2002	WA-20/37287	0.760	0.060	J
Trichloroethene (µg/L)	11/13/2002	WA-20/37573	0.840	0.060	J
Trichloroethene (µg/L)	5/14/2003	WA-20/37755	0.670	0.360	J
Trichloroethene (µg/L)	11/12/2003	WA-20/37937	0.700	0.060	J
Trichloroethene (µg/L)	5/12/2004	WA-20/38119	0.600	0.060	J
Trichloroethene (µg/L)	11/10/2004	WA-20/38301	0.600	0.060	D,J
Trichloroethene (µg/L)	11/10/2004	WA-20/38301	0.620	0.060	J
Trichloroethene (µg/L)	5/19/2005	DUP-2/38491	0.660	0.160	
Trichloroethene (µg/L)	5/19/2005	WA-20/38491	0.650	0.160	
Trichloroethene (µg/L)	10/18/2005	WA-20/38643	0.460	0.160	
Trichloroethene (µg/L)	5/ 9/2006	WA-20/38846	0.440	0.160	J
Trichloroethene (µg/L)	11/14/2006	WA-20/39035	0.490	0.120	J
Trichloroethene (µg/L)	5/25/2007	WA-20/39227	0.520	0.130	
Trichloroethene (µg/L)	5/25/2007	WA-20/39227	0.520	0.130	D
Trichloroethene (µg/L)	11/15/2007	WA-20/39401	0.460	0.130	J
Trichloroethene (µg/L)	5/23/2008	WA-20 /39591	0.470	0.190	J
Trichloroethene (µg/L)	11/ 5/2008	WA-20/39757	0.860	0.160	J
Trichloroethene (µg/L)	5/26/2009	WA-20/39959	0.290	0.160	
Trichloroethene (µg/L)	12/18/2009	WA-20/40165	0.480	0.130	J
Trichloroethene (µg/L)	5/18/2010	WA-20/40316	0.180	0.130	
Trichloroethene (µg/L)	12/ 7/2010	WA-20/40519	0.380	0.085	J
Trichloroethene (µg/L)	5/24/2011	WA-20/40687	0.350	0.085	J
Trichloroethene (µg/L)	11/ 9/2011	WA-20/40856	0.490	0.085	J
Trichloroethene (µg/L)	5/18/2012	WA-20/41047	0.320	0.085	J
Trichloroethene (µg/L)	11/ 2/2012	WA-20/41215	0.480	0.085	J
Trichlorofluoromethane (µg/L)	9/ 1/1994	WA-20/34578	0.900	0.000	
Trichlorofluoromethane (µg/L)	9/ 1/1996	WA-20/35309	0.700	0.000	
Vinyl chloride (µg/L)	1/31/2002	WA-20/37287	0.073	0.060	J

WA-8

Historical Detected VOCs in Class III Area Corrective Action Assessment Monitoring Wells

Company:	San Benito County	**Data Group:**	None
Site:	John Smith Road Landfill	**Date Range:**	All thru 4q12
Program:	SBC Groundwater	**Permit:**	WDR 2010-0021

Parameter (Unit)	Date	Sample ID	Result Value	Detection Limit	Code
Volatile Organic Compounds					
1,1-Dichloroethane (µg/L)	11/12/2002	WA-8/37572	0.054	0.040	J
1,1-Dichloroethane (µg/L)	5/12/2004	WA-8/38119	0.045	0.040	J
1,2-Dichloroethane (µg/L)	9/ 1/1997	WA-8/35674	0.500	0.000	
1,2-Dichloroethane (µg/L)	8/29/2000	WA-8/36767	0.191	0.130	J
1,2-Dichloroethane (µg/L)	11/12/2002	WA-8/37572	0.140	0.080	J
1,2-Dichloropropane (µg/L)	5/ 1/1992	WA-8/33725	1.100	0.000	
1,2-Dichloropropane (µg/L)	2/ 1/1993	WA-8/34001	0.750	0.000	
1,2-Dichloropropane (µg/L)	3/ 1/1994	WA-8/34394	0.800	0.000	
1,2-Dichloropropane (µg/L)	5/ 1/1994	WA-8/34455	1.700	0.000	
1,2-Dichloropropane (µg/L)	9/ 1/1994	WA-8/34578	1.100	0.000	
1,2-Dichloropropane (µg/L)	9/ 1/1995	WA-8/34943	0.700	0.000	
1,2-Dichloropropane (µg/L)	3/ 1/1996	WA-8/35125	0.700	0.000	
1,2-Dichloropropane (µg/L)	9/ 1/1997	WA-8/35674	0.500	0.000	
1,2-Dichloropropane (µg/L)	8/29/2000	WA-8/36767	0.332	0.100	J
1,2-Dichloropropane (µg/L)	11/12/2002	WA-8/37572	0.390	0.070	J
1,2-Dichloropropane (µg/L)	11/12/2003	WA-8/37937	0.150	0.070	J
1,2-Dichloropropane (µg/L)	5/12/2004	WA-8/38119	0.150	0.070	J
1,2-Dichloropropane (µg/L)	5/23/2005	WA-8/38495	0.160	0.130	
1,2-Dichloropropane (µg/L)	5/ 9/2006	WA-8/38846	0.170	0.130	J
1,2-Dichloropropane (µg/L)	5/ 9/2006	WA-8/38846	0.210	0.130	J,D
1,2-Dichloropropane (µg/L)	11/14/2006	WA-8/39035	0.210	0.170	D,J
1,2-Dichloropropane (µg/L)	5/25/2007	WA-8/39227	0.140	0.120	J
1,2-Dichloropropane (µg/L)	11/ 9/2011	WA-8/40856	0.130	0.130	J
Acetone (µg/L)	11/12/2003	WA-8/37937	2.700	1.800	J
Acetone (µg/L)	11/14/2006	WA-8/39035	2.000	0.960	D,J
Carbon disulfide (µg/L)	5/12/2004	WA-8/38119	1.500	1.400	J
cis-1,2-Dichloroethene (µg/L)	3/ 1/1991	WA-8/33298	0.820	0.000	
cis-1,2-Dichloroethene (µg/L)	6/ 1/1991	WA-8/33390	1.400	0.000	
cis-1,2-Dichloroethene (µg/L)	8/ 1/1991	WA-8/33451	1.000	0.000	
cis-1,2-Dichloroethene (µg/L)	11/25/1991	WA-8/33567	0.640	0.000	
cis-1,2-Dichloroethene (µg/L)	2/ 1/1992	WA-8/33635	1.300	0.000	
cis-1,2-Dichloroethene (µg/L)	5/ 1/1992	WA-8/33725	3.500	0.000	
cis-1,2-Dichloroethene (µg/L)	8/ 1/1992	WA-8/33817	1.600	0.000	
cis-1,2-Dichloroethene (µg/L)	2/ 1/1993	WA-8/34001	1.500	0.000	
cis-1,2-Dichloroethene (µg/L)	5/ 1/1993	WA-8/34090	0.610	0.000	
cis-1,2-Dichloroethene (µg/L)	3/ 1/1994	WA-8/34394	2.800	0.000	
cis-1,2-Dichloroethene (µg/L)	5/ 1/1994	WA-8/34455	5.200	0.000	
cis-1,2-Dichloroethene (µg/L)	9/ 1/1994	WA-8/34578	3.600	0.000	
cis-1,2-Dichloroethene (µg/L)	3/ 1/1996	WA-8/35125	2.600	0.000	
cis-1,2-Dichloroethene (µg/L)	9/ 1/1996	WA-8/35309	1.100	0.000	
cis-1,2-Dichloroethene (µg/L)	3/ 1/1997	WA-8/35490	1.000	0.000	
cis-1,2-Dichloroethene (µg/L)	9/ 1/1997	WA-8/35674	1.000	0.000	
cis-1,2-Dichloroethene (µg/L)	9/ 1/1998	WA-8/36039	1.400	0.000	
cis-1,2-Dichloroethene (µg/L)	3/ 1/1999	WA-8/36220	1.300	0.000	
cis-1,2-Dichloroethene (µg/L)	3/15/2000	WA-8/36600	0.773	0.000	
cis-1,2-Dichloroethene (µg/L)	3/15/2000	WA-8/36600	0.785	0.000	D
cis-1,2-Dichloroethene (µg/L)	6/14/2000	WA-8/36691	1.590	1.000	
cis-1,2-Dichloroethene (µg/L)	8/29/2000	WA-8/36767	1.360	0.070	
cis-1,2-Dichloroethene (µg/L)	2/15/2001	WA-8/36937	1.980	0.500	
cis-1,2-Dichloroethene (µg/L)	8/14/2001	WA-8/37117	1.800	0.500	
cis-1,2-Dichloroethene (µg/L)	1/30/2002	WA-8/37286	1.100	0.500	

Historical Detected VOCs in Class III Area Corrective Action Assessment Monitoring Wells

Company:	San Benito County	**Data Group:**	None
Site:	John Smith Road Landfill	**Date Range:**	All thru 4q12
Program:	SBC Groundwater	**Permit:**	WDR 2010-0021

Parameter (Unit)	Date	Sample ID	Result Value	Detection Limit	Code
cis-1,2-Dichloroethene (µg/L)	11/12/2002	WA-8/37572	1.500	0.090	
cis-1,2-Dichloroethene (µg/L)	5/15/2003	WA-8/37756	0.310	0.310	J
cis-1,2-Dichloroethene (µg/L)	11/12/2003	WA-8/37937	0.190	0.090	J
cis-1,2-Dichloroethene (µg/L)	5/12/2004	WA-8/38119	0.310	0.090	J
cis-1,2-Dichloroethene (µg/L)	11/11/2004	WA-8/38302	0.240	0.090	J
cis-1,2-Dichloroethene (µg/L)	5/23/2005	WA-8/38495	0.410	0.150	
cis-1,2-Dichloroethene (µg/L)	10/12/2005	WA-8/38637	0.440	0.150	J
cis-1,2-Dichloroethene (µg/L)	5/ 9/2006	WA-8/38846	0.650	0.150	J
cis-1,2-Dichloroethene (µg/L)	5/ 9/2006	WA-8/38846	0.710	0.150	J,D
cis-1,2-Dichloroethene (µg/L)	11/14/2006	WA-8/39035	0.730	0.200	D,J
cis-1,2-Dichloroethene (µg/L)	11/14/2006	WA-8/39035	0.580	0.200	J
cis-1,2-Dichloroethene (µg/L)	5/25/2007	WA-8/39227	0.350	0.130	J
cis-1,2-Dichloroethene (µg/L)	11/15/2007	WA-8/39401	0.450	0.110	J
cis-1,2-Dichloroethene (µg/L)	11/ 5/2008	WA-8/39757	0.480	0.320	J
cis-1,2-Dichloroethene (µg/L)	12/15/2009	WA-8/40162	0.380	0.110	J
cis-1,2-Dichloroethene (µg/L)	12/ 7/2010	WA-8/40519	0.640	0.085	
cis-1,2-Dichloroethene (µg/L)	5/25/2011	WA-8/40688	0.380	0.085	J
cis-1,2-Dichloroethene (µg/L)	11/ 9/2011	WA-8/40856	0.320	0.085	J
cis-1,2-Dichloroethene (µg/L)	11/ 1/2012	WA-8/41214	0.180	0.085	J
Dichlorodifluoromethane (µg/L)	5/ 1/1994	WA-8/34455	4.100	0.000	
Dichlorodifluoromethane (µg/L)	9/ 1/1994	WA-8/34578	13.000	0.000	
Dichlorodifluoromethane (µg/L)	9/ 1/1995	WA-8/34943	5.400	0.000	
Dichlorodifluoromethane (µg/L)	9/ 1/1996	WA-8/35309	1.800	0.000	
Dichlorodifluoromethane (µg/L)	3/ 1/1997	WA-8/35490	4.100	0.000	
Dichlorodifluoromethane (µg/L)	11/12/2003	WA-8/37937	0.420	0.090	J
Dichlorodifluoromethane (µg/L)	11/11/2004	WA-8/38302	0.430	0.090	J
Dichlorodifluoromethane (µg/L)	11/14/2006	WA-8/39035	0.370	0.160	D,J
Dichlorodifluoromethane (µg/L)	11/14/2006	WA-8/39035	0.340	0.160	J
Dichlorodifluoromethane (µg/L)	5/25/2007	WA-8/39227	0.190	0.085	J
Dichlorodifluoromethane (µg/L)	12/15/2009	WA-8/40162	0.410	0.110	J
Dichlorodifluoromethane (µg/L)	5/18/2010	WA-8/40316	0.310	0.110	
Dichlorodifluoromethane (µg/L)	12/ 7/2010	WA-8/40519	0.320	0.099	J
Dichlorodifluoromethane (µg/L)	5/25/2011	WA-8/40688	0.350	0.099	J
Dichlorodifluoromethane (µg/L)	11/ 9/2011	WA-8/40856	0.240	0.099	J
Dichlorodifluoromethane (µg/L)	5/18/2012	WA-8/41047	0.180	0.099	J
Dichlorodifluoromethane (µg/L)	11/ 1/2012	WA-8/41214	0.260	0.099	J
Tetrachloroethene (µg/L)	2/ 1/1993	WA-8/34001	0.640	0.000	
Tetrachloroethene (µg/L)	3/ 1/1994	WA-8/34394	0.600	0.000	
Tetrachloroethene (µg/L)	5/ 1/1994	WA-8/34455	1.600	0.000	
Tetrachloroethene (µg/L)	9/ 1/1995	WA-8/34943	0.910	0.000	
Tetrachloroethene (µg/L)	3/ 1/1996	WA-8/35125	0.700	0.000	
Tetrachloroethene (µg/L)	8/29/2000	WA-8/36767	0.264	0.100	J
Tetrachloroethene (µg/L)	2/15/2001	WA-8/36937	0.660	0.500	
Tetrachloroethene (µg/L)	11/12/2002	WA-8/37572	0.420	0.080	J
Tetrachloroethene (µg/L)	11/12/2003	WA-8/37937	0.160	0.080	J
Tetrachloroethene (µg/L)	5/12/2004	WA-8/38119	0.200	0.080	J
Tetrachloroethene (µg/L)	11/11/2004	WA-8/38302	0.210	0.080	J
Tetrachloroethene (µg/L)	5/ 9/2006	WA-8/38846	0.200	0.200	J
Tetrachloroethene (µg/L)	5/ 9/2006	WA-8/38846	0.220	0.200	J,D
Tetrachloroethene (µg/L)	11/14/2006	WA-8/39035	0.220	0.130	D,J
Tetrachloroethene (µg/L)	11/14/2006	WA-8/39035	0.240	0.130	J
Tetrachloroethene (µg/L)	5/25/2007	WA-8/39227	0.200	0.110	J

Historical Detected VOCs in Class III Area Corrective Action Assessment Monitoring Wells

Company:	San Benito County	**Data Group:**	None
Site:	John Smith Road Landfill	**Date Range:**	All thru 4q12
Program:	SBC Groundwater	**Permit:**	WDR 2010-0021

Parameter (Unit)	Date	Sample ID	Result Value	Detection Limit	Code
Tetrachloroethene (µg/L)	11/15/2007	WA-8/39401	0.250	0.110	J
Tetrachloroethene (µg/L)	5/18/2010	WA-8/40316	0.180	0.130	
Tetrachloroethene (µg/L)	12/ 7/2010	WA-8/40519	0.260	0.130	J
Tetrachloroethene (µg/L)	5/25/2011	WA-8/40688	0.170	0.130	J
Tetrachloroethene (µg/L)	11/ 9/2011	WA-8/40856	0.170	0.130	J
Tetrachloroethene (µg/L)	5/18/2012	WA-8/41047	0.170	0.130	J
Tetrachloroethene (µg/L)	11/ 1/2012	WA-8/41214	0.160	0.130	J
Trichloroethene (µg/L)	6/ 1/1991	WA-8/33390	0.610	0.000	
Trichloroethene (µg/L)	5/ 1/1992	WA-8/33725	1.200	0.000	
Trichloroethene (µg/L)	8/ 1/1992	WA-8/33817	0.600	0.000	
Trichloroethene (µg/L)	2/ 1/1993	WA-8/34001	0.890	0.000	
Trichloroethene (µg/L)	3/ 1/1994	WA-8/34394	1.500	0.000	
Trichloroethene (µg/L)	5/ 1/1994	WA-8/34455	3.000	0.000	
Trichloroethene (µg/L)	9/ 1/1994	WA-8/34578	2.000	0.000	
Trichloroethene (µg/L)	9/ 1/1995	WA-8/34943	2.500	0.000	
Trichloroethene (µg/L)	3/ 1/1996	WA-8/35125	1.400	0.000	
Trichloroethene (µg/L)	9/ 1/1996	WA-8/35309	0.800	0.000	
Trichloroethene (µg/L)	3/ 1/1997	WA-8/35490	1.000	0.000	
Trichloroethene (µg/L)	9/ 1/1997	WA-8/35674	0.600	0.000	
Trichloroethene (µg/L)	9/ 1/1998	WA-8/36039	0.670	0.000	
Trichloroethene (µg/L)	3/ 1/1999	WA-8/36220	0.510	0.000	
Trichloroethene (µg/L)	3/15/2000	WA-8/36600	0.645	0.000	
Trichloroethene (µg/L)	3/15/2000	WA-8/36600	0.717	0.000	D
Trichloroethene (µg/L)	6/14/2000	WA-8/36691	1.020	1.000	
Trichloroethene (µg/L)	8/29/2000	WA-8/36767	0.700	0.100	
Trichloroethene (µg/L)	2/15/2001	WA-8/36937	1.250	0.500	
Trichloroethene (µg/L)	8/14/2001	WA-8/37117	1.100	0.500	
Trichloroethene (µg/L)	1/30/2002	WA-8/37286	0.570	0.500	
Trichloroethene (µg/L)	11/12/2002	WA-8/37572	0.980	0.060	J
Trichloroethene (µg/L)	5/15/2003	WA-8/37756	0.480	0.360	J
Trichloroethene (µg/L)	11/12/2003	WA-8/37937	0.340	0.060	J
Trichloroethene (µg/L)	5/12/2004	WA-8/38119	0.480	0.060	J
Trichloroethene (µg/L)	11/11/2004	WA-8/38302	0.390	0.060	J
Trichloroethene (µg/L)	5/23/2005	WA-8/38495	0.410	0.160	
Trichloroethene (µg/L)	10/12/2005	WA-8/38637	0.480	0.160	J
Trichloroethene (µg/L)	5/ 9/2006	WA-8/38846	0.490	0.160	J
Trichloroethene (µg/L)	5/ 9/2006	WA-8/38846	0.540	0.160	J,D
Trichloroethene (µg/L)	11/14/2006	WA-8/39035	0.530	0.120	D,J
Trichloroethene (µg/L)	11/14/2006	WA-8/39035	0.530	0.120	J
Trichloroethene (µg/L)	5/25/2007	WA-8/39227	0.410	0.130	J
Trichloroethene (µg/L)	11/15/2007	WA-8/39401	0.470	0.130	J
Trichloroethene (µg/L)	5/23/2008	WA-8/39591	0.430	0.190	J
Trichloroethene (µg/L)	11/ 5/2008	WA-8/39757	0.580	0.160	J
Trichloroethene (µg/L)	5/26/2009	WA-8/39959	0.490	0.160	
Trichloroethene (µg/L)	12/15/2009	WA-8/40162	0.520	0.130	J
Trichloroethene (µg/L)	5/18/2010	WA-8/40316	0.350	0.130	
Trichloroethene (µg/L)	12/ 7/2010	WA-8/40519	0.560	0.085	
Trichloroethene (µg/L)	5/25/2011	WA-8/40688	0.420	0.085	J
Trichloroethene (µg/L)	11/ 9/2011	WA-8/40856	0.490	0.085	J
Trichloroethene (µg/L)	5/18/2012	WA-8/41047	0.340	0.085	J
Trichloroethene (µg/L)	11/ 1/2012	WA-8/41214	0.400	0.085	J
Trichlorofluoromethane (µg/L)	6/ 1/1991	WA-8/33390	2.500	0.000	

Historical Detected VOCs in Class III Area Corrective Action Assessment Monitoring Wells

Company:	San Benito County	**Data Group:**	None
Site:	John Smith Road Landfill	**Date Range:**	All thru 4q12
Program:	SBC Groundwater	**Permit:**	WDR 2010-0021

Parameter (Unit)	Date	Sample ID	Result Value	Detection Limit	Code
Vinyl chloride (µg/L)	3/ 1/1994	WA-8/34394	0.600	0.000	
Vinyl chloride (µg/L)	5/ 1/1994	WA-8/34455	1.200	0.000	
Vinyl chloride (µg/L)	9/ 1/1994	WA-8/34578	1.600	0.000	
Vinyl chloride (µg/L)	3/ 1/1996	WA-8/35125	7.000	0.000	
WA-9					
Volatile Organic Compounds					
Bromomethane (µg/L)	3/ 1/1989	WA-9/32568	4.980	0.000	
Trichloroethene (µg/L)	5/ 1/1993	WA-9/34090	1.400	0.000	

End of report

Historical Detected VOCs in Groundwater Extraction System Wells

Company:	San Benito County	**Data Group:**	None
Site:	John Smith Road Landfill	**Date Range:**	All thru 4q12
Program:	SBC Groundwater	**Permit:**	WDR 2010-0021

Parameter (Unit)	Date	Sample ID	Result Value	Detection Limit	Code
EW-1					
Volatile Organic Compounds					
1,1-Dichloroethane (µg/L)	8/30/2000	EW-1/36768	0.451	0.040	J
1,1-Dichloroethane (µg/L)	2/15/2001	EW-1/36937	0.435	0.040	J
1,1-Dichloroethane (µg/L)	8/15/2001	EW-1/37118	0.450	0.040	J
1,1-Dichloroethane (µg/L)	1/31/2002	EW-1/37287	0.370	0.040	J
1,1-Dichloroethane (µg/L)	8/ 7/2002	EW-1/37475	0.480	0.040	J
1,1-Dichloroethane (µg/L)	11/13/2002	EW-1/37573	0.460	0.040	J
1,1-Dichloroethane (µg/L)	1/30/2003	EW-1/37651	0.410	0.040	J
1,1-Dichloroethane (µg/L)	5/13/2003	EW-1/37754	0.680	0.040	J
1,1-Dichloroethane (µg/L)	5/13/2003	EW-1/37754	0.450	0.040	J
1,1-Dichloroethane (µg/L)	11/12/2003	EW-1/37937	0.330	0.040	J
1,1-Dichloroethane (µg/L)	1/29/2004	EW-1/38015	0.360	0.040	J
1,1-Dichloroethane (µg/L)	5/13/2004	EW-1/38120	0.390	0.040	J
1,1-Dichloroethane (µg/L)	7/22/2004	EW-1/38190	0.310	0.040	J
1,1-Dichloroethane (µg/L)	11/11/2004	EW-1/38302	0.330	0.040	J
1,1-Dichloroethane (µg/L)	1/27/2005	EW-1/38379	0.330	0.040	J
1,1-Dichloroethane (µg/L)	5/17/2005	EW-1/38489	0.250	0.160	
1,1-Dichloroethane (µg/L)	5/17/2005	EW-1/38489	0.250	0.160	J
1,1-Dichloroethane (µg/L)	7/26/2005	EW-1/38559	0.250	0.210	J
1,1-Dichloroethane (µg/L)	10/18/2005	EW-1/38643	0.320	0.160	
1,1-Dichloroethane (µg/L)	1/20/2006	EW-1/38737	0.180	0.160	J
1,1-Dichloroethane (µg/L)	5/15/2006	EW-1/38852	0.200	0.160	J
1,1-Dichloroethane (µg/L)	9/22/2006	EW-1/38982	0.360	0.200	J
1,1-Dichloroethane (µg/L)	11/13/2006	EW-1/39034	0.240	0.200	J
1,1-Dichloroethane (µg/L)	1/30/2007	EW-1/39112	0.250	0.100	J
1,1-Dichloroethane (µg/L)	5/25/2007	EW-1/39227	0.250	0.110	J
1,1-Dichloroethane (µg/L)	9/18/2007	EW-1/39343	0.280	0.110	J
1,1-Dichloroethane (µg/L)	11/14/2007	EW-1/39400	0.170	0.110	J
1,1-Dichloroethane (µg/L)	2/15/2008	EW-1/39493	0.260	0.250	J
1,1-Dichloroethane (µg/L)	9/30/2008	EW-1/39721	0.280	0.130	J
1,1-Dichloroethane (µg/L)	11/ 7/2008	EW-1/39759	0.280	0.130	J
1,1-Dichloroethane (µg/L)	5/22/2009	EW-1/39955	0.240	0.130	J
1,1-Dichloroethane (µg/L)	9/24/2009	EW-1/40080	0.230	0.130	J
1,1-Dichloroethane (µg/L)	12/10/2009	EW-1/40157	0.200	0.081	J
1,1-Dichloroethane (µg/L)	5/17/2010	EW-1/40315	0.210	0.081	
1,1-Dichloroethane (µg/L)	9/29/2010	EW-1/40450	0.230	0.110	J
1,1-Dichloroethane (µg/L)	12/ 6/2010	EW-1/40518	0.200	0.110	J
1,1-Dichloroethane (µg/L)	3/ 1/2011	EW-1/40603	0.230	0.110	J
1,1-Dichloroethane (µg/L)	9/15/2011	EW-1/40801	0.130	0.110	J
1,1-Dichloroethane (µg/L)	11/ 7/2011	EW-1/40854	0.300	0.110	J
1,1-Dichloroethane (µg/L)	3/12/2012	EW-1/40980	0.210	0.110	J
1,1-Dichloroethane (µg/L)	5/16/2012	EW-1/41045	0.200	0.110	J
1,1-Dichloroethane (µg/L)	9/ 7/2012	EW-1/41159	0.210	0.110	J
1,1-Dichloroethane (µg/L)	10/30/2012	EW-1/41212	0.180	0.110	J
1,1-Dichloroethene (µg/L)	8/30/2000	EW-1/36768	0.333	0.060	J
1,1-Dichloroethene (µg/L)	2/15/2001	EW-1/36937	0.247	0.060	J
1,1-Dichloroethene (µg/L)	8/15/2001	EW-1/37118	0.190	0.060	J
1,1-Dichloroethene (µg/L)	1/31/2002	EW-1/37287	0.150	0.060	J
1,1-Dichloroethene (µg/L)	8/ 7/2002	EW-1/37475	0.140	0.060	J
1,1-Dichloroethene (µg/L)	11/13/2002	EW-1/37573	0.120	0.060	J
1,1-Dichloroethene (µg/L)	1/30/2003	EW-1/37651	0.140	0.060	J
1,1-Dichloroethene (µg/L)	5/13/2003	EW-1/37754	0.130	0.060	J
1,1-Dichloroethene (µg/L)	11/12/2003	EW-1/37937	0.090	0.060	J

Historical Detected VOCs in Groundwater Extraction System Wells

Company:	San Benito County	**Data Group:**	None
Site:	John Smith Road Landfill	**Date Range:**	All thru 4q12
Program:	SBC Groundwater	**Permit:**	WDR 2010-0021

Parameter (Unit)	Date	Sample ID	Result Value	Detection Limit	Code
1,1-Dichloroethene (µg/L)	1/29/2004	EW-1/38015	0.088	0.060	J
1,1-Dichloroethene (µg/L)	5/13/2004	EW-1/38120	0.120	0.060	J
1,1-Dichloroethene (µg/L)	7/22/2004	EW-1/38190	0.170	0.060	J
1,1-Dichloroethene (µg/L)	1/27/2005	EW-1/38379	0.230	0.060	J
1,1-Dichloroethene (µg/L)	7/26/2005	EW-1/38559	0.220	0.130	J
1,1-Dichloroethene (µg/L)	10/18/2005	EW-1/38643	0.280	0.140	
1,1-Dichloroethene (µg/L)	9/18/2007	EW-1/39343	0.130	0.120	J
1,1-Dichloroethene (µg/L)	9/24/2009	EW-1/40080	0.220	0.160	J
1,1-Dichloroethene (µg/L)	3/18/2010	EW-1/40255	0.170	0.120	J
1,1-Dichloroethene (µg/L)	5/17/2010	EW-1/40315	0.140	0.120	
1,1-Dichloroethene (µg/L)	11/ 7/2011	EW-1/40854	0.290	0.180	J
1,2-Dichloroethane (µg/L)	6/16/2000	EW-1/36693	1.260	1.000	
1,2-Dichloroethane (µg/L)	8/30/2000	EW-1/36768	1.170	0.080	
1,2-Dichloroethane (µg/L)	2/15/2001	EW-1/36937	0.848	0.080	J
1,2-Dichloroethane (µg/L)	8/15/2001	EW-1/37118	0.450	0.080	J
1,2-Dichloroethane (µg/L)	1/31/2002	EW-1/37287	0.470	0.080	J
1,2-Dichloroethane (µg/L)	8/ 7/2002	EW-1/37475	0.380	0.080	J
1,2-Dichloroethane (µg/L)	11/13/2002	EW-1/37573	0.450	0.080	J
1,2-Dichloroethane (µg/L)	1/30/2003	EW-1/37651	0.360	0.080	J
1,2-Dichloroethane (µg/L)	5/13/2003	EW-1/37754	0.400	0.080	J
1,2-Dichloroethane (µg/L)	11/12/2003	EW-1/37937	0.300	0.080	J
1,2-Dichloroethane (µg/L)	1/29/2004	EW-1/38015	0.270	0.080	J
1,2-Dichloroethane (µg/L)	5/13/2004	EW-1/38120	0.290	0.080	J
1,2-Dichloroethane (µg/L)	7/22/2004	EW-1/38190	0.220	0.080	J
1,2-Dichloroethane (µg/L)	11/11/2004	EW-1/38302	0.250	0.080	J
1,2-Dichloroethane (µg/L)	1/27/2005	EW-1/38379	0.320	0.080	J
1,2-Dichloroethane (µg/L)	5/17/2005	EW-1/38489	0.150	0.130	
1,2-Dichloroethane (µg/L)	5/17/2005	EW-1/38489	0.150	0.130	J
1,2-Dichloroethane (µg/L)	7/26/2005	EW-1/38559	0.140	0.093	J
1,2-Dichloroethane (µg/L)	1/20/2006	EW-1/38737	0.170	0.130	J
1,2-Dichloroethane (µg/L)	11/13/2006	EW-1/39034	0.160	0.140	J
1,2-Dichloroethane (µg/L)	1/30/2007	EW-1/39112	0.210	0.150	J
1,2-Dichloroethane (µg/L)	5/25/2007	EW-1/39227	0.210	0.130	J
1,2-Dichloroethane (µg/L)	9/18/2007	EW-1/39343	0.230	0.098	J
1,2-Dichloroethane (µg/L)	11/14/2007	EW-1/39400	0.150	0.098	J
1,2-Dichloroethane (µg/L)	11/ 7/2011	EW-1/40854	0.210	0.170	J
1,2-Dichloroethane (µg/L)	3/12/2012	EW-1/40980	0.190	0.170	J
1,2-Dichloropropane (µg/L)	12/17/1999	EW-1/36511	2.230	0.000	
1,2-Dichloropropane (µg/L)	2/15/2000	EW-1/36571	3.090	0.000	
1,2-Dichloropropane (µg/L)	6/16/2000	EW-1/36693	2.420	1.000	
1,2-Dichloropropane (µg/L)	8/30/2000	EW-1/36768	2.230	0.070	
1,2-Dichloropropane (µg/L)	2/15/2001	EW-1/36937	1.480	0.070	
1,2-Dichloropropane (µg/L)	8/15/2001	EW-1/37118	1.400	0.070	
1,2-Dichloropropane (µg/L)	1/31/2002	EW-1/37287	1.100	0.070	
1,2-Dichloropropane (µg/L)	8/ 7/2002	EW-1/37475	0.910	0.070	J
1,2-Dichloropropane (µg/L)	11/13/2002	EW-1/37573	1.000	0.070	
1,2-Dichloropropane (µg/L)	1/30/2003	EW-1/37651	0.920	0.070	J
1,2-Dichloropropane (µg/L)	5/13/2003	EW-1/37754	0.740	0.070	J
1,2-Dichloropropane (µg/L)	5/13/2003	EW-1/37754	0.950	0.070	J
1,2-Dichloropropane (µg/L)	8/20/2003	EW-1/37853	1.600	0.350	J,L
1,2-Dichloropropane (µg/L)	11/12/2003	EW-1/37937	0.640	0.070	J
1,2-Dichloropropane (µg/L)	1/29/2004	EW-1/38015	0.720	0.070	J
1,2-Dichloropropane (µg/L)	5/13/2004	EW-1/38120	0.650	0.070	J
1,2-Dichloropropane (µg/L)	7/22/2004	EW-1/38190	0.630	0.070	J

Historical Detected VOCs in Groundwater Extraction System Wells

Company:	San Benito County	**Data Group:**	None
Site:	John Smith Road Landfill	**Date Range:**	All thru 4q12
Program:	SBC Groundwater	**Permit:**	WDR 2010-0021

Parameter (Unit)	Date	Sample ID	Result Value	Detection Limit	Code
1,2-Dichloropropane (µg/L)	11/11/2004	EW-1/38302	0.630	0.070	J
1,2-Dichloropropane (µg/L)	1/27/2005	EW-1/38379	1.100	0.070	
1,2-Dichloropropane (µg/L)	5/17/2005	EW-1/38489	0.360	0.130	
1,2-Dichloropropane (µg/L)	5/17/2005	EW-1/38489	0.360	0.130	J
1,2-Dichloropropane (µg/L)	7/26/2005	EW-1/38559	0.450	0.060	J
1,2-Dichloropropane (µg/L)	10/18/2005	EW-1/38643	0.990	0.130	
1,2-Dichloropropane (µg/L)	1/20/2006	EW-1/38737	0.370	0.130	J
1,2-Dichloropropane (µg/L)	5/15/2006	EW-1/38852	0.310	0.130	J
1,2-Dichloropropane (µg/L)	9/22/2006	EW-1/38982	1.200	0.170	
1,2-Dichloropropane (µg/L)	11/13/2006	EW-1/39034	0.490	0.170	J
1,2-Dichloropropane (µg/L)	1/30/2007	EW-1/39112	0.500	0.069	
1,2-Dichloropropane (µg/L)	5/25/2007	EW-1/39227	0.600	0.120	
1,2-Dichloropropane (µg/L)	9/18/2007	EW-1/39343	0.600	0.120	
1,2-Dichloropropane (µg/L)	11/14/2007	EW-1/39400	0.380	0.120	J
1,2-Dichloropropane (µg/L)	2/15/2008	EW-1/39493	0.630	0.410	
1,2-Dichloropropane (µg/L)	5/22/2008	EW-1/39590	0.540	0.410	
1,2-Dichloropropane (µg/L)	9/30/2008	EW-1/39721	0.590	0.160	J
1,2-Dichloropropane (µg/L)	11/ 7/2008	EW-1/39759	0.590	0.160	
1,2-Dichloropropane (µg/L)	5/22/2009	EW-1/39955	0.660	0.160	
1,2-Dichloropropane (µg/L)	9/24/2009	EW-1/40080	0.620	0.160	
1,2-Dichloropropane (µg/L)	12/10/2009	EW-1/40157	0.470	0.120	J
1,2-Dichloropropane (µg/L)	3/18/2010	EW-1/40255	0.610	0.120	J
1,2-Dichloropropane (µg/L)	5/17/2010	EW-1/40315	0.430	0.120	
1,2-Dichloropropane (µg/L)	9/29/2010	EW-1/40450	0.530	0.130	J
1,2-Dichloropropane (µg/L)	12/ 6/2010	EW-1/40518	0.460	0.130	J
1,2-Dichloropropane (µg/L)	3/ 1/2011	EW-1/40603	0.540	0.130	J
1,2-Dichloropropane (µg/L)	5/24/2011	EW-1/40687	0.400	0.130	J
1,2-Dichloropropane (µg/L)	9/15/2011	EW-1/40801	0.380	0.130	J
1,2-Dichloropropane (µg/L)	11/ 7/2011	EW-1/40854	0.890	0.130	
1,2-Dichloropropane (µg/L)	3/12/2012	EW-1/40980	0.520	0.130	J
1,2-Dichloropropane (µg/L)	5/16/2012	EW-1/41045	0.540	0.130	
1,2-Dichloropropane (µg/L)	9/ 7/2012	EW-1/41159	0.550	0.130	
1,2-Dichloropropane (µg/L)	10/30/2012	EW-1/41212	0.530	0.130	
1,4-Dichlorobenzene (µg/L)	8/30/2000	EW-1/36768	0.148	0.110	J
2-Butanone (µg/L)	6/16/2000	EW-1/36693	63.300	10.000	
Acetone (µg/L)	2/15/2000	EW-1/36571	70.300	0.000	
Acetone (µg/L)	8/30/2000	EW-1/36768	2.220	1.790	J
Acetone (µg/L)	7/22/2004	EW-1/38190	2.500	1.800	J
Acetone (µg/L)	11/13/2006	EW-1/39034	1.200	0.960	J,A
Benzene (µg/L)	8/30/2000	EW-1/36768	0.236	0.050	J
Benzene (µg/L)	2/15/2001	EW-1/36937	0.132	0.050	J
Benzene (µg/L)	8/15/2001	EW-1/37118	0.068	0.050	J
Benzene (µg/L)	11/13/2002	EW-1/37573	0.052	0.050	J
Benzene (µg/L)	5/13/2003	EW-1/37754	0.100	0.050	J
Benzene (µg/L)	5/13/2003	EW-1/37754	0.120	0.050	J
Benzene (µg/L)	11/12/2003	EW-1/37937	0.084	0.050	J
Benzene (µg/L)	1/27/2005	EW-1/38379	0.200	0.050	J
Benzene (µg/L)	7/26/2005	EW-1/38559	0.090	0.064	J
Benzene (µg/L)	10/18/2005	EW-1/38643	0.170	0.160	
Benzene (µg/L)	9/22/2006	EW-1/38982	0.200	0.150	J
Bromoform (µg/L)	9/24/2009	EW-1/40080	0.780	0.240	
Bromomethane (µg/L)	5/13/2003	EW-1/37754	0.940	0.190	B,J
Chlorobenzene (µg/L)	2/15/2000	EW-1/36571	2.040	0.000	
Chlorobenzene (µg/L)	6/16/2000	EW-1/36693	1.440	1.000	

Historical Detected VOCs in Groundwater Extraction System Wells

Company:	San Benito County	**Data Group:**	None
Site:	John Smith Road Landfill	**Date Range:**	All thru 4q12
Program:	SBC Groundwater	**Permit:**	WDR 2010-0021

Parameter (Unit)	Date	Sample ID	Result Value	Detection Limit	Code
Chlorobenzene (µg/L)	8/30/2000	EW-1/36768	1.340	0.070	
Chlorobenzene (µg/L)	2/15/2001	EW-1/36937	0.612	0.070	J
Chlorobenzene (µg/L)	8/15/2001	EW-1/37118	0.200	0.070	J
Chlorobenzene (µg/L)	1/31/2002	EW-1/37287	0.098	0.070	J
Chlorobenzene (µg/L)	8/ 7/2002	EW-1/37475	0.089	0.070	J
Chlorobenzene (µg/L)	11/13/2002	EW-1/37573	0.170	0.070	J
Chlorobenzene (µg/L)	1/30/2003	EW-1/37651	0.098	0.070	J
Chlorobenzene (µg/L)	5/13/2003	EW-1/37754	0.300	0.070	J
Chlorobenzene (µg/L)	5/13/2003	EW-1/37754	0.290	0.070	J
Chlorobenzene (µg/L)	8/20/2003	EW-1/37853	0.980	0.350	J,L
Chlorobenzene (µg/L)	11/12/2003	EW-1/37937	0.220	0.070	J
Chlorobenzene (µg/L)	1/29/2004	EW-1/38015	0.140	0.070	J
Chlorobenzene (µg/L)	5/13/2004	EW-1/38120	0.093	0.070	J
Chlorobenzene (µg/L)	7/22/2004	EW-1/38190	0.093	0.070	J
Chlorobenzene (µg/L)	1/27/2005	EW-1/38379	0.530	0.070	J
Chlorobenzene (µg/L)	5/17/2005	EW-1/38489	0.190	0.170	
Chlorobenzene (µg/L)	5/17/2005	EW-1/38489	0.190	0.170	J
Chlorobenzene (µg/L)	7/26/2005	EW-1/38559	0.210	0.065	J
Chlorobenzene (µg/L)	10/18/2005	EW-1/38643	0.420	0.170	
Chlorobenzene (µg/L)	9/22/2006	EW-1/38982	0.440	0.150	J
Chlorobenzene (µg/L)	5/25/2007	EW-1/39227	0.120	0.110	J
Chlorobenzene (µg/L)	9/18/2007	EW-1/39343	0.120	0.110	J
Chlorobenzene (µg/L)	9/24/2009	EW-1/40080	0.230	0.130	J
Chlorobenzene (µg/L)	9/ 7/2012	EW-1/41159	0.100	0.093	J
Chlorobenzene (µg/L)	10/30/2012	EW-1/41212	0.120	0.093	J
Chloroethane (µg/L)	8/30/2000	EW-1/36768	0.599	0.110	J
Chloroethane (µg/L)	2/15/2001	EW-1/36937	1.120	0.110	
Chloroethane (µg/L)	8/15/2001	EW-1/37118	0.930	0.110	J
Chloroethane (µg/L)	1/31/2002	EW-1/37287	0.380	0.110	J
Chloroethane (µg/L)	8/ 7/2002	EW-1/37475	0.840	0.110	J
Chloroethane (µg/L)	11/13/2002	EW-1/37573	0.770	0.110	J
Chloroethane (µg/L)	1/30/2003	EW-1/37651	0.730	0.110	J
Chloroethane (µg/L)	5/13/2003	EW-1/37754	0.780	0.110	J
Chloroethane (µg/L)	5/13/2003	EW-1/37754	1.100	0.110	
Chloroethane (µg/L)	11/12/2003	EW-1/37937	0.600	0.110	J
Chloroethane (µg/L)	1/29/2004	EW-1/38015	0.570	0.110	J
Chloroethane (µg/L)	5/13/2004	EW-1/38120	0.580	0.110	J
Chloroethane (µg/L)	7/22/2004	EW-1/38190	0.600	0.110	J
Chloroethane (µg/L)	11/11/2004	EW-1/38302	0.500	0.110	J
Chloroethane (µg/L)	1/27/2005	EW-1/38379	0.530	0.110	J
Chloroethane (µg/L)	5/17/2005	EW-1/38489	0.470	0.130	
Chloroethane (µg/L)	5/17/2005	EW-1/38489	0.470	0.130	J
Chloroethane (µg/L)	7/26/2005	EW-1/38559	0.660	0.220	J
Chloroethane (µg/L)	10/18/2005	EW-1/38643	0.620	0.130	
Chloroethane (µg/L)	1/20/2006	EW-1/38737	0.270	0.130	J
Chloroethane (µg/L)	5/15/2006	EW-1/38852	0.680	0.410	J
Chloroethane (µg/L)	1/30/2007	EW-1/39112	0.240	0.120	J
Chloroethane (µg/L)	5/25/2007	EW-1/39227	0.570	0.094	
Chloroethane (µg/L)	5/22/2008	EW-1/39590	0.410	0.360	J
Chloroethane (µg/L)	9/24/2009	EW-1/40080	0.320	0.250	J
Chloromethane (µg/L)	5/13/2003	EW-1/37754	0.260	0.140	J
Chloromethane (µg/L)	5/13/2003	EW-1/37754	1.200	0.140	
Chloromethane (µg/L)	8/20/2003	EW-1/37853	2.400	0.700	J,L
Chloromethane (µg/L)	7/22/2004	EW-1/38190	0.540	0.140	B,J

Historical Detected VOCs in Groundwater Extraction System Wells

Company:	San Benito County	**Data Group:**	None
Site:	John Smith Road Landfill	**Date Range:**	All thru 4q12
Program:	SBC Groundwater	**Permit:**	WDR 2010-0021

Parameter (Unit)	Date	Sample ID	Result Value	Detection Limit	Code
Chloromethane (µg/L)	5/17/2005	EW-1/38489	0.450	0.300	
Chloromethane (µg/L)	5/17/2005	EW-1/38489	0.450	0.300	J
cis-1,2-Dichloroethene (µg/L)	12/17/1999	EW-1/36511	19.000	0.000	
cis-1,2-Dichloroethene (µg/L)	2/15/2000	EW-1/36571	26.600	0.000	
cis-1,2-Dichloroethene (µg/L)	6/16/2000	EW-1/36693	18.400	1.000	
cis-1,2-Dichloroethene (µg/L)	8/30/2000	EW-1/36768	15.700	0.090	
cis-1,2-Dichloroethene (µg/L)	2/15/2001	EW-1/36937	11.300	0.090	
cis-1,2-Dichloroethene (µg/L)	8/15/2001	EW-1/37118	10.000	0.090	
cis-1,2-Dichloroethene (µg/L)	1/31/2002	EW-1/37287	9.800	0.090	
cis-1,2-Dichloroethene (µg/L)	8/ 7/2002	EW-1/37475	8.800	0.090	
cis-1,2-Dichloroethene (µg/L)	11/13/2002	EW-1/37573	10.000	0.090	
cis-1,2-Dichloroethene (µg/L)	1/30/2003	EW-1/37651	9.300	0.090	
cis-1,2-Dichloroethene (µg/L)	5/13/2003	EW-1/37754	7.300	0.090	
cis-1,2-Dichloroethene (µg/L)	5/13/2003	EW-1/37754	11.000	0.090	
cis-1,2-Dichloroethene (µg/L)	8/20/2003	EW-1/37853	20.000	0.450	L
cis-1,2-Dichloroethene (µg/L)	11/12/2003	EW-1/37937	7.000	0.090	
cis-1,2-Dichloroethene (µg/L)	1/29/2004	EW-1/38015	8.000	0.090	
cis-1,2-Dichloroethene (µg/L)	5/13/2004	EW-1/38120	6.900	0.090	
cis-1,2-Dichloroethene (µg/L)	7/22/2004	EW-1/38190	5.900	0.090	
cis-1,2-Dichloroethene (µg/L)	11/11/2004	EW-1/38302	6.400	0.090	
cis-1,2-Dichloroethene (µg/L)	1/27/2005	EW-1/38379	13.000	0.090	
cis-1,2-Dichloroethene (µg/L)	5/17/2005	EW-1/38489	4.000	0.150	
cis-1,2-Dichloroethene (µg/L)	5/17/2005	EW-1/38489	4.000	0.150	
cis-1,2-Dichloroethene (µg/L)	7/26/2005	EW-1/38559	4.800	0.075	
cis-1,2-Dichloroethene (µg/L)	10/18/2005	EW-1/38643	11.000	0.150	
cis-1,2-Dichloroethene (µg/L)	1/20/2006	EW-1/38737	4.000	0.150	
cis-1,2-Dichloroethene (µg/L)	5/15/2006	EW-1/38852	3.300	0.150	
cis-1,2-Dichloroethene (µg/L)	9/22/2006	EW-1/38982	12.000	0.200	
cis-1,2-Dichloroethene (µg/L)	11/13/2006	EW-1/39034	4.800	0.200	
cis-1,2-Dichloroethene (µg/L)	1/30/2007	EW-1/39112	4.500	0.200	
cis-1,2-Dichloroethene (µg/L)	5/25/2007	EW-1/39227	5.400	0.130	
cis-1,2-Dichloroethene (µg/L)	9/18/2007	EW-1/39343	6.200	0.110	
cis-1,2-Dichloroethene (µg/L)	11/14/2007	EW-1/39400	3.800	0.110	
cis-1,2-Dichloroethene (µg/L)	2/15/2008	EW-1/39493	6.100	0.320	
cis-1,2-Dichloroethene (µg/L)	5/22/2008	EW-1/39590	4.800	0.320	
cis-1,2-Dichloroethene (µg/L)	9/30/2008	EW-1/39721	5.400	0.320	
cis-1,2-Dichloroethene (µg/L)	11/ 7/2008	EW-1/39759	6.600	0.320	
cis-1,2-Dichloroethene (µg/L)	5/22/2009	EW-1/39955	6.500	0.320	
cis-1,2-Dichloroethene (µg/L)	9/24/2009	EW-1/40080	7.200	0.320	
cis-1,2-Dichloroethene (µg/L)	12/10/2009	EW-1/40157	4.200	0.110	
cis-1,2-Dichloroethene (µg/L)	3/18/2010	EW-1/40255	5.900	0.110	
cis-1,2-Dichloroethene (µg/L)	5/17/2010	EW-1/40315	5.800	0.110	
cis-1,2-Dichloroethene (µg/L)	9/29/2010	EW-1/40450	5.100	0.085	
cis-1,2-Dichloroethene (µg/L)	12/ 6/2010	EW-1/40518	4.600	0.085	
cis-1,2-Dichloroethene (µg/L)	3/ 1/2011	EW-1/40603	5.700	0.085	
cis-1,2-Dichloroethene (µg/L)	5/24/2011	EW-1/40687	4.800	0.085	
cis-1,2-Dichloroethene (µg/L)	9/15/2011	EW-1/40801	3.200	0.085	
cis-1,2-Dichloroethene (µg/L)	11/ 7/2011	EW-1/40854	9.700	0.085	
cis-1,2-Dichloroethene (µg/L)	3/12/2012	EW-1/40980	5.600	0.085	
cis-1,2-Dichloroethene (µg/L)	5/16/2012	EW-1/41045	5.100	0.085	
cis-1,2-Dichloroethene (µg/L)	9/ 7/2012	EW-1/41159	5.400	0.085	
cis-1,2-Dichloroethene (µg/L)	10/30/2012	EW-1/41212	5.000	0.085	
Dibromochloromethane (µg/L)	9/24/2009	EW-1/40080	0.530	0.230	
Dichlorodifluoromethane (µg/L)	6/16/2000	EW-1/36693	1.780	1.000	

Historical Detected VOCs in Groundwater Extraction System Wells

Company:	San Benito County	**Data Group:**	None
Site:	John Smith Road Landfill	**Date Range:**	All thru 4q12
Program:	SBC Groundwater	**Permit:**	WDR 2010-0021

Parameter (Unit)	Date	Sample ID	Result Value	Detection Limit	Code
Dichlorodifluoromethane (µg/L)	8/30/2000	EW-1/36768	1.790	0.090	
Dichlorodifluoromethane (µg/L)	8/15/2001	EW-1/37118	0.440	0.090	J
Dichlorodifluoromethane (µg/L)	1/31/2002	EW-1/37287	0.290	0.090	J
Dichlorodifluoromethane (µg/L)	7/22/2004	EW-1/38190	0.390	0.090	J
Dichlorodifluoromethane (µg/L)	3/18/2010	EW-1/40255	0.540	0.110	J
Dichlorodifluoromethane (µg/L)	9/29/2010	EW-1/40450	0.140	0.099	J
Dichlorodifluoromethane (µg/L)	5/24/2011	EW-1/40687	0.190	0.099	J
Methyl tert-butyl ether (µg/L)	8/30/2000	EW-1/36768	0.139	0.080	J
Methyl tert-butyl ether (µg/L)	2/15/2001	EW-1/36937	0.279	0.080	J
Methyl tert-butyl ether (µg/L)	8/15/2001	EW-1/37118	0.420	0.080	J
Methyl tert-butyl ether (µg/L)	1/31/2002	EW-1/37287	0.570	0.080	J
Methyl tert-butyl ether (µg/L)	8/ 7/2002	EW-1/37475	0.710	0.080	J
Methyl tert-butyl ether (µg/L)	11/13/2002	EW-1/37573	0.910	0.080	J
Methyl tert-butyl ether (µg/L)	1/30/2003	EW-1/37651	0.690	0.080	J
Methyl tert-butyl ether (µg/L)	5/13/2003	EW-1/37754	0.830	0.080	J
Methyl tert-butyl ether (µg/L)	5/13/2003	EW-1/37754	0.800	0.080	J
Methyl tert-butyl ether (µg/L)	8/20/2003	EW-1/37853	1.700	0.400	J,L
Methyl tert-butyl ether (µg/L)	11/12/2003	EW-1/37937	0.850	0.080	J
Methyl tert-butyl ether (µg/L)	1/29/2004	EW-1/38015	0.770	0.080	J
Methyl tert-butyl ether (µg/L)	5/13/2004	EW-1/38120	0.950	0.080	J
Methyl tert-butyl ether (µg/L)	7/22/2004	EW-1/38190	1.000	0.080	
Methyl tert-butyl ether (µg/L)	11/11/2004	EW-1/38302	0.950	0.080	J
Methyl tert-butyl ether (µg/L)	1/27/2005	EW-1/38379	1.200	0.080	
Methyl tert-butyl ether (µg/L)	5/17/2005	EW-1/38489	0.590	0.250	
Methyl tert-butyl ether (µg/L)	5/17/2005	EW-1/38489	0.590	0.250	J
Methyl tert-butyl ether (µg/L)	7/26/2005	EW-1/38559	0.900	0.081	J
Methyl tert-butyl ether (µg/L)	10/18/2005	EW-1/38643	0.320	0.250	
Methyl tert-butyl ether (µg/L)	1/20/2006	EW-1/38737	0.820	0.250	J
Methyl tert-butyl ether (µg/L)	5/15/2006	EW-1/38852	0.590	0.250	J
Methyl tert-butyl ether (µg/L)	11/13/2006	EW-1/39034	1.000	0.120	
Methyl tert-butyl ether (µg/L)	1/30/2007	EW-1/39112	1.000	0.130	
Methyl tert-butyl ether (µg/L)	5/25/2007	EW-1/39227	0.940	0.130	
Methyl tert-butyl ether (µg/L)	9/18/2007	EW-1/39343	1.000	0.130	
Methyl tert-butyl ether (µg/L)	11/14/2007	EW-1/39400	0.870	0.130	
Methyl tert-butyl ether (µg/L)	2/15/2008	EW-1/39493	0.990	0.260	
Methyl tert-butyl ether (µg/L)	5/22/2008	EW-1/39590	0.810	0.260	
Methyl tert-butyl ether (µg/L)	9/30/2008	EW-1/39721	0.840	0.220	J
Methyl tert-butyl ether (µg/L)	11/ 7/2008	EW-1/39759	1.000	0.220	
Methyl tert-butyl ether (µg/L)	5/22/2009	EW-1/39955	0.840	0.220	
Methyl tert-butyl ether (µg/L)	9/24/2009	EW-1/40080	0.910	0.220	
Methyl tert-butyl ether (µg/L)	12/10/2009	EW-1/40157	0.800	0.110	
Methyl tert-butyl ether (µg/L)	3/18/2010	EW-1/40255	0.790	0.110	J
Methyl tert-butyl ether (µg/L)	5/17/2010	EW-1/40315	0.850	0.110	
Methyl tert-butyl ether (µg/L)	9/29/2010	EW-1/40450	0.790	0.110	J
Methyl tert-butyl ether (µg/L)	12/ 6/2010	EW-1/40518	0.730	0.110	
Methyl tert-butyl ether (µg/L)	3/ 1/2011	EW-1/40603	0.790	0.110	J
Methyl tert-butyl ether (µg/L)	5/24/2011	EW-1/40687	0.630	0.110	
Methyl tert-butyl ether (µg/L)	9/15/2011	EW-1/40801	0.550	0.110	J
Methyl tert-butyl ether (µg/L)	11/ 7/2011	EW-1/40854	1.100	0.110	
Methyl tert-butyl ether (µg/L)	3/12/2012	EW-1/40980	0.780	0.110	J
Methyl tert-butyl ether (µg/L)	5/16/2012	EW-1/41045	0.760	0.110	
Methyl tert-butyl ether (µg/L)	9/ 7/2012	EW-1/41159	0.800	0.110	
Methyl tert-butyl ether (µg/L)	10/30/2012	EW-1/41212	0.660	0.110	
Methylene chloride (µg/L)	8/30/2000	EW-1/36768	0.352	0.060	J

Historical Detected VOCs in Groundwater Extraction System Wells

Company:	San Benito County	**Data Group:**	None
Site:	John Smith Road Landfill	**Date Range:**	All thru 4q12
Program:	SBC Groundwater	**Permit:**	WDR 2010-0021

Parameter (Unit)	Date	Sample ID	Result Value	Detection Limit	Code
Methylene chloride (µg/L)	8/15/2001	EW-1/37118	0.230	0.060	J
Methylene chloride (µg/L)	1/31/2002	EW-1/37287	0.150	0.060	J
Methylene chloride (µg/L)	8/ 7/2002	EW-1/37475	0.190	0.060	J
Methylene chloride (µg/L)	11/13/2002	EW-1/37573	0.200	0.060	A,J
Methylene chloride (µg/L)	1/30/2003	EW-1/37651	0.180	0.060	A,J
Methylene chloride (µg/L)	5/13/2003	EW-1/37754	0.190	0.060	J
Methylene chloride (µg/L)	5/13/2003	EW-1/37754	0.240	0.060	J
Methylene chloride (µg/L)	11/12/2003	EW-1/37937	0.150	0.060	J
Methylene chloride (µg/L)	1/29/2004	EW-1/38015	0.440	0.060	B,J
Methylene chloride (µg/L)	5/13/2004	EW-1/38120	0.130	0.060	J,A
Methylene chloride (µg/L)	7/22/2004	EW-1/38190	0.140	0.060	J
Methylene chloride (µg/L)	11/11/2004	EW-1/38302	0.160	0.060	B,J,A
Methylene chloride (µg/L)	9/22/2006	EW-1/38982	0.370	0.170	B,J
Naphthalene (µg/L)	7/26/2005	EW-1/38559	0.120	0.080	J,B
Tetrachloroethene (µg/L)	12/17/1999	EW-1/36511	6.930	0.000	
Tetrachloroethene (µg/L)	2/15/2000	EW-1/36571	10.700	0.000	
Tetrachloroethene (µg/L)	6/16/2000	EW-1/36693	6.400	1.000	
Tetrachloroethene (µg/L)	8/30/2000	EW-1/36768	6.110	0.080	
Tetrachloroethene (µg/L)	2/15/2001	EW-1/36937	4.480	0.080	
Tetrachloroethene (µg/L)	8/15/2001	EW-1/37118	2.700	0.080	
Tetrachloroethene (µg/L)	1/31/2002	EW-1/37287	2.500	0.080	
Tetrachloroethene (µg/L)	8/ 7/2002	EW-1/37475	2.100	0.080	
Tetrachloroethene (µg/L)	11/13/2002	EW-1/37573	1.800	0.080	
Tetrachloroethene (µg/L)	1/30/2003	EW-1/37651	1.900	0.080	
Tetrachloroethene (µg/L)	5/13/2003	EW-1/37754	2.100	0.080	
Tetrachloroethene (µg/L)	5/13/2003	EW-1/37754	1.600	0.080	
Tetrachloroethene (µg/L)	11/12/2003	EW-1/37937	0.880	0.080	J
Tetrachloroethene (µg/L)	1/29/2004	EW-1/38015	1.000	0.080	
Tetrachloroethene (µg/L)	5/13/2004	EW-1/38120	0.850	0.080	J
Tetrachloroethene (µg/L)	7/22/2004	EW-1/38190	0.700	0.080	J
Tetrachloroethene (µg/L)	11/11/2004	EW-1/38302	0.720	0.080	J
Tetrachloroethene (µg/L)	1/27/2005	EW-1/38379	0.840	0.080	J
Tetrachloroethene (µg/L)	5/17/2005	EW-1/38489	0.400	0.200	
Tetrachloroethene (µg/L)	5/17/2005	EW-1/38489	0.400	0.200	J
Tetrachloroethene (µg/L)	7/26/2005	EW-1/38559	0.560	0.120	J
Tetrachloroethene (µg/L)	10/18/2005	EW-1/38643	0.430	0.200	
Tetrachloroethene (µg/L)	1/20/2006	EW-1/38737	0.430	0.200	J
Tetrachloroethene (µg/L)	5/15/2006	EW-1/38852	0.390	0.200	J
Tetrachloroethene (µg/L)	9/22/2006	EW-1/38982	0.400	0.130	J
Tetrachloroethene (µg/L)	11/13/2006	EW-1/39034	0.370	0.130	J
Tetrachloroethene (µg/L)	1/30/2007	EW-1/39112	0.390	0.180	J
Tetrachloroethene (µg/L)	5/25/2007	EW-1/39227	0.400	0.110	J
Tetrachloroethene (µg/L)	9/18/2007	EW-1/39343	0.660	0.110	
Tetrachloroethene (µg/L)	11/14/2007	EW-1/39400	0.280	0.110	J
Tetrachloroethene (µg/L)	2/15/2008	EW-1/39493	0.640	0.280	
Tetrachloroethene (µg/L)	5/22/2008	EW-1/39590	0.400	0.280	J
Tetrachloroethene (µg/L)	9/30/2008	EW-1/39721	0.480	0.280	J
Tetrachloroethene (µg/L)	11/ 7/2008	EW-1/39759	0.520	0.280	
Tetrachloroethene (µg/L)	5/22/2009	EW-1/39955	0.460	0.280	J
Tetrachloroethene (µg/L)	9/24/2009	EW-1/40080	0.610	0.280	
Tetrachloroethene (µg/L)	12/10/2009	EW-1/40157	0.460	0.130	J
Tetrachloroethene (µg/L)	3/18/2010	EW-1/40255	0.810	0.130	J
Tetrachloroethene (µg/L)	5/17/2010	EW-1/40315	0.610	0.130	
Tetrachloroethene (µg/L)	9/29/2010	EW-1/40450	0.720	0.130	J

Historical Detected VOCs in Groundwater Extraction System Wells

Company:	San Benito County	**Data Group:**	None
Site:	John Smith Road Landfill	**Date Range:**	All thru 4q12
Program:	SBC Groundwater	**Permit:**	WDR 2010-0021

Parameter (Unit)	Date	Sample ID	Result Value	Detection Limit	Code
Tetrachloroethene (µg/L)	12/ 6/2010	EW-1/40518	0.620	0.130	
Tetrachloroethene (µg/L)	3/ 1/2011	EW-1/40603	0.830	0.130	J
Tetrachloroethene (µg/L)	5/24/2011	EW-1/40687	0.620	0.130	
Tetrachloroethene (µg/L)	11/ 7/2011	EW-1/40854	1.100	0.130	
Tetrachloroethene (µg/L)	3/12/2012	EW-1/40980	0.830	0.130	J
Tetrachloroethene (µg/L)	5/16/2012	EW-1/41045	0.750	0.130	
Tetrachloroethene (µg/L)	9/ 7/2012	EW-1/41159	0.920	0.130	
Tetrachloroethene (µg/L)	10/30/2012	EW-1/41212	0.560	0.130	
Toluene (µg/L)	2/15/2000	EW-1/36571	2.540	0.000	
Toluene (µg/L)	6/16/2000	EW-1/36693	2.020	1.000	
Toluene (µg/L)	8/30/2000	EW-1/36768	0.194	0.070	J
Toluene (µg/L)	2/15/2001	EW-1/36937	0.664	0.070	J
Toluene (µg/L)	8/15/2001	EW-1/37118	0.160	0.070	J
trans-1,2-Dichloroethene (µg/L)	8/30/2000	EW-1/36768	0.654	0.090	J
trans-1,2-Dichloroethene (µg/L)	2/15/2001	EW-1/36937	0.428	0.090	J
trans-1,2-Dichloroethene (µg/L)	8/15/2001	EW-1/37118	0.170	0.090	J
trans-1,2-Dichloroethene (µg/L)	1/31/2002	EW-1/37287	0.230	0.090	J
trans-1,2-Dichloroethene (µg/L)	8/ 7/2002	EW-1/37475	0.210	0.090	J
trans-1,2-Dichloroethene (µg/L)	11/13/2002	EW-1/37573	0.230	0.090	J
trans-1,2-Dichloroethene (µg/L)	1/30/2003	EW-1/37651	0.260	0.090	J
trans-1,2-Dichloroethene (µg/L)	5/13/2003	EW-1/37754	0.390	0.090	J
trans-1,2-Dichloroethene (µg/L)	5/13/2003	EW-1/37754	0.220	0.090	J
trans-1,2-Dichloroethene (µg/L)	8/20/2003	EW-1/37853	0.970	0.450	J,L
trans-1,2-Dichloroethene (µg/L)	11/12/2003	EW-1/37937	0.210	0.090	J
trans-1,2-Dichloroethene (µg/L)	1/29/2004	EW-1/38015	0.200	0.090	J
trans-1,2-Dichloroethene (µg/L)	5/13/2004	EW-1/38120	0.230	0.090	J
trans-1,2-Dichloroethene (µg/L)	7/22/2004	EW-1/38190	0.190	0.090	J
trans-1,2-Dichloroethene (µg/L)	11/11/2004	EW-1/38302	0.230	0.090	J
trans-1,2-Dichloroethene (µg/L)	1/27/2005	EW-1/38379	0.680	0.090	J
trans-1,2-Dichloroethene (µg/L)	7/26/2005	EW-1/38559	0.280	0.074	J
trans-1,2-Dichloroethene (µg/L)	10/18/2005	EW-1/38643	0.640	0.150	
trans-1,2-Dichloroethene (µg/L)	1/20/2006	EW-1/38737	0.150	0.150	J
trans-1,2-Dichloroethene (µg/L)	9/22/2006	EW-1/38982	0.620	0.280	J
trans-1,2-Dichloroethene (µg/L)	5/25/2007	EW-1/39227	0.230	0.180	J
trans-1,2-Dichloroethene (µg/L)	9/18/2007	EW-1/39343	0.250	0.140	J
trans-1,2-Dichloroethene (µg/L)	9/30/2008	EW-1/39721	0.280	0.140	J
trans-1,2-Dichloroethene (µg/L)	11/ 7/2008	EW-1/39759	0.280	0.140	J
trans-1,2-Dichloroethene (µg/L)	5/22/2009	EW-1/39955	0.300	0.140	J
trans-1,2-Dichloroethene (µg/L)	9/24/2009	EW-1/40080	0.410	0.140	J
trans-1,2-Dichloroethene (µg/L)	3/18/2010	EW-1/40255	0.300	0.097	J
trans-1,2-Dichloroethene (µg/L)	5/17/2010	EW-1/40315	0.270	0.097	
trans-1,2-Dichloroethene (µg/L)	9/29/2010	EW-1/40450	0.270	0.150	J
trans-1,2-Dichloroethene (µg/L)	12/ 6/2010	EW-1/40518	0.220	0.150	J
trans-1,2-Dichloroethene (µg/L)	3/ 1/2011	EW-1/40603	0.250	0.150	J
trans-1,2-Dichloroethene (µg/L)	5/24/2011	EW-1/40687	0.200	0.150	J
trans-1,2-Dichloroethene (µg/L)	9/15/2011	EW-1/40801	0.190	0.150	J
trans-1,2-Dichloroethene (µg/L)	11/ 7/2011	EW-1/40854	0.610	0.150	
trans-1,2-Dichloroethene (µg/L)	3/12/2012	EW-1/40980	0.280	0.150	J
trans-1,2-Dichloroethene (µg/L)	5/16/2012	EW-1/41045	0.200	0.150	J
trans-1,2-Dichloroethene (µg/L)	9/ 7/2012	EW-1/41159	0.270	0.150	J
trans-1,2-Dichloroethene (µg/L)	10/30/2012	EW-1/41212	0.190	0.150	J
Trichloroethene (µg/L)	12/17/1999	EW-1/36511	9.720	0.000	
Trichloroethene (µg/L)	2/15/2000	EW-1/36571	15.300	0.000	
Trichloroethene (µg/L)	6/16/2000	EW-1/36693	10.300	1.000	

Historical Detected VOCs in Groundwater Extraction System Wells

Company:	San Benito County	**Data Group:**	None
Site:	John Smith Road Landfill	**Date Range:**	All thru 4q12
Program:	SBC Groundwater	**Permit:**	WDR 2010-0021

Parameter (Unit)	Date	Sample ID	Result Value	Detection Limit	Code
Trichloroethene (µg/L)	8/30/2000	EW-1/36768	9.490	0.060	
Trichloroethene (µg/L)	2/15/2001	EW-1/36937	5.710	0.060	
Trichloroethene (µg/L)	8/15/2001	EW-1/37118	3.500	0.060	
Trichloroethene (µg/L)	1/31/2002	EW-1/37287	3.100	0.060	
Trichloroethene (µg/L)	8/ 7/2002	EW-1/37475	3.000	0.060	
Trichloroethene (µg/L)	11/13/2002	EW-1/37573	3.400	0.060	
Trichloroethene (µg/L)	1/30/2003	EW-1/37651	3.700	0.060	
Trichloroethene (µg/L)	5/13/2003	EW-1/37754	3.800	0.060	
Trichloroethene (µg/L)	5/13/2003	EW-1/37754	4.600	0.060	
Trichloroethene (µg/L)	8/20/2003	EW-1/37853	11.000	0.300	L
Trichloroethene (µg/L)	11/12/2003	EW-1/37937	3.300	0.060	
Trichloroethene (µg/L)	1/29/2004	EW-1/38015	3.800	0.060	
Trichloroethene (µg/L)	5/13/2004	EW-1/38120	4.000	0.060	
Trichloroethene (µg/L)	7/22/2004	EW-1/38190	3.400	0.060	
Trichloroethene (µg/L)	11/11/2004	EW-1/38302	3.700	0.060	
Trichloroethene (µg/L)	1/27/2005	EW-1/38379	8.300	0.060	
Trichloroethene (µg/L)	5/17/2005	EW-1/38489	2.800	0.160	
Trichloroethene (µg/L)	5/17/2005	EW-1/38489	2.800	0.160	
Trichloroethene (µg/L)	7/26/2005	EW-1/38559	3.600	0.120	
Trichloroethene (µg/L)	10/18/2005	EW-1/38643	7.000	0.160	
Trichloroethene (µg/L)	1/20/2006	EW-1/38737	2.400	0.160	
Trichloroethene (µg/L)	5/15/2006	EW-1/38852	2.500	0.160	
Trichloroethene (µg/L)	9/22/2006	EW-1/38982	7.400	0.120	
Trichloroethene (µg/L)	11/13/2006	EW-1/39034	3.400	0.120	
Trichloroethene (µg/L)	1/30/2007	EW-1/39112	2.800	0.180	
Trichloroethene (µg/L)	5/25/2007	EW-1/39227	3.600	0.130	
Trichloroethene (µg/L)	9/18/2007	EW-1/39343	4.200	0.130	
Trichloroethene (µg/L)	11/14/2007	EW-1/39400	2.100	0.130	
Trichloroethene (µg/L)	2/15/2008	EW-1/39493	4.100	0.190	
Trichloroethene (µg/L)	5/22/2008	EW-1/39590	3.000	0.190	
Trichloroethene (µg/L)	9/30/2008	EW-1/39721	3.900	0.160	
Trichloroethene (µg/L)	11/ 7/2008	EW-1/39759	4.000	0.160	
Trichloroethene (µg/L)	5/22/2009	EW-1/39955	4.400	0.160	
Trichloroethene (µg/L)	9/24/2009	EW-1/40080	4.600	0.130	
Trichloroethene (µg/L)	12/10/2009	EW-1/40157	2.800	0.130	
Trichloroethene (µg/L)	3/18/2010	EW-1/40255	3.900	0.130	
Trichloroethene (µg/L)	5/17/2010	EW-1/40315	2.900	0.130	
Trichloroethene (µg/L)	9/29/2010	EW-1/40450	3.700	0.085	
Trichloroethene (µg/L)	12/ 6/2010	EW-1/40518	3.000	0.085	
Trichloroethene (µg/L)	3/ 1/2011	EW-1/40603	3.700	0.085	
Trichloroethene (µg/L)	5/24/2011	EW-1/40687	2.900	0.085	
Trichloroethene (µg/L)	9/15/2011	EW-1/40801	2.600	0.085	
Trichloroethene (µg/L)	11/ 7/2011	EW-1/40854	6.900	0.085	
Trichloroethene (µg/L)	3/12/2012	EW-1/40980	3.900	0.085	
Trichloroethene (µg/L)	5/16/2012	EW-1/41045	3.400	0.085	
Trichloroethene (µg/L)	9/ 7/2012	EW-1/41159	3.900	0.085	
Trichloroethene (µg/L)	10/30/2012	EW-1/41212	3.300	0.085	
Vinyl chloride (µg/L)	12/17/1999	EW-1/36511	3.610	0.000	
Vinyl chloride (µg/L)	2/15/2000	EW-1/36571	4.320	0.000	
Vinyl chloride (µg/L)	6/16/2000	EW-1/36693	3.580	1.000	
Vinyl chloride (µg/L)	8/30/2000	EW-1/36768	4.270	0.060	
Vinyl chloride (µg/L)	2/15/2001	EW-1/36937	3.430	0.060	
Vinyl chloride (µg/L)	8/15/2001	EW-1/37118	0.670	0.060	J
Vinyl chloride (µg/L)	1/31/2002	EW-1/37287	0.810	0.060	J

Historical Detected VOCs in Groundwater Extraction System Wells

Company:	San Benito County	**Data Group:**	None
Site:	John Smith Road Landfill	**Date Range:**	All thru 4q12
Program:	SBC Groundwater	**Permit:**	WDR 2010-0021

Parameter (Unit)	Date	Sample ID	Result Value	Detection Limit	Code
Vinyl chloride (µg/L)	8/ 7/2002	EW-1/37475	0.620	0.060	J
Vinyl chloride (µg/L)	11/13/2002	EW-1/37573	0.690	0.060	J
Vinyl chloride (µg/L)	1/30/2003	EW-1/37651	1.000	0.060	
Vinyl chloride (µg/L)	5/13/2003	EW-1/37754	0.760	0.060	J
Vinyl chloride (µg/L)	5/13/2003	EW-1/37754	1.100	0.060	
Vinyl chloride (µg/L)	8/20/2003	EW-1/37853	3.400	0.300	J,L
Vinyl chloride (µg/L)	11/12/2003	EW-1/37937	0.620	0.060	J
Vinyl chloride (µg/L)	1/29/2004	EW-1/38015	0.710	0.060	J
Vinyl chloride (µg/L)	5/13/2004	EW-1/38120	0.610	0.060	J
Vinyl chloride (µg/L)	7/22/2004	EW-1/38190	0.530	0.060	J
Vinyl chloride (µg/L)	11/11/2004	EW-1/38302	0.520	0.060	J
Vinyl chloride (µg/L)	1/27/2005	EW-1/38379	1.100	0.060	
Vinyl chloride (µg/L)	5/17/2005	EW-1/38489	1.500	0.380	
Vinyl chloride (µg/L)	5/17/2005	EW-1/38489	1.500	0.380	
Vinyl chloride (µg/L)	7/26/2005	EW-1/38559	0.390	0.120	J
Vinyl chloride (µg/L)	10/18/2005	EW-1/38643	2.900	0.380	
Vinyl chloride (µg/L)	1/20/2006	EW-1/38737	0.900	0.380	J
Vinyl chloride (µg/L)	5/15/2006	EW-1/38852	3.500	0.170	
Vinyl chloride (µg/L)	9/22/2006	EW-1/38982	3.300	0.140	
Vinyl chloride (µg/L)	11/13/2006	EW-1/39034	1.200	0.140	
Vinyl chloride (µg/L)	1/30/2007	EW-1/39112	0.330	0.160	J
Vinyl chloride (µg/L)	5/25/2007	EW-1/39227	0.460	0.140	J
Vinyl chloride (µg/L)	9/18/2007	EW-1/39343	0.530	0.140	
Vinyl chloride (µg/L)	11/14/2007	EW-1/39400	0.170	0.140	J
Vinyl chloride (µg/L)	2/15/2008	EW-1/39493	0.520	0.340	
Vinyl chloride (µg/L)	9/30/2008	EW-1/39721	0.720	0.160	J
Vinyl chloride (µg/L)	11/ 7/2008	EW-1/39759	0.470	0.160	J
Vinyl chloride (µg/L)	5/22/2009	EW-1/39955	0.380	0.160	J
Vinyl chloride (µg/L)	9/24/2009	EW-1/40080	0.450	0.160	J
Vinyl chloride (µg/L)	3/18/2010	EW-1/40255	0.460	0.140	J
Vinyl chloride (µg/L)	5/17/2010	EW-1/40315	0.320	0.140	
Vinyl chloride (µg/L)	9/29/2010	EW-1/40450	0.250	0.120	J
Vinyl chloride (µg/L)	12/ 6/2010	EW-1/40518	0.140	0.120	J
Vinyl chloride (µg/L)	3/ 1/2011	EW-1/40603	0.240	0.120	J
Vinyl chloride (µg/L)	11/ 7/2011	EW-1/40854	0.550	0.120	
Vinyl chloride (µg/L)	3/12/2012	EW-1/40980	0.270	0.120	J
Vinyl chloride (µg/L)	5/16/2012	EW-1/41045	0.250	0.120	J
Vinyl chloride (µg/L)	9/ 7/2012	EW-1/41159	0.260	0.120	J
Vinyl chloride (µg/L)	10/30/2012	EW-1/41212	0.130	0.120	J
Xylenes (total) (µg/L)	2/15/2000	EW-1/36571	11.200	0.000	

EW-2

Volatile Organic Compounds

1,1-Dichloroethane (µg/L)	8/30/2000	EW-2/36768	0.166	0.040	J
1,1-Dichloroethane (µg/L)	2/15/2001	EW-2/36937	0.153	0.040	J
1,1-Dichloroethane (µg/L)	8/14/2001	EW-2/37117	0.160	0.040	J
1,1-Dichloroethane (µg/L)	1/31/2002	EW-2/37287	0.140	0.040	J
1,1-Dichloroethane (µg/L)	8/ 7/2002	EW-2/37475	0.130	0.040	J
1,1-Dichloroethane (µg/L)	11/12/2002	EW-2/37572	0.130	0.040	J
1,1-Dichloroethane (µg/L)	1/30/2003	EW-2/37651	0.140	0.040	J
1,1-Dichloroethane (µg/L)	11/12/2003	EW-2/37937	0.099	0.040	J
1,1-Dichloroethane (µg/L)	1/29/2004	EW-2/38015	0.110	0.040	J
1,1-Dichloroethane (µg/L)	5/13/2004	EW-2/38120	0.120	0.040	J
1,1-Dichloroethane (µg/L)	7/22/2004	EW-2/38190	0.130	0.040	J

Historical Detected VOCs in Groundwater Extraction System Wells

Company: San Benito County **Data Group:** None
Site: John Smith Road Landfill **Date Range:** All thru 4q12
Program: SBC Groundwater **Permit:** WDR 2010-0021

Parameter (Unit)	Date	Sample ID	Result Value	Detection Limit	Code
1,1-Dichloroethane (µg/L)	1/27/2005	EW-2/38379	0.120	0.040	J
1,1-Dichloroethane (µg/L)	5/25/2007	EW-2/39227	0.110	0.110	J
1,1-Dichloroethene (µg/L)	5/17/2005	EW-2/38489	0.240	0.140	
1,1-Dichloroethene (µg/L)	5/17/2005	EW-2/38489	0.240	0.140	J
1,2,3-Trichloropropane (µg/L)	1/20/2006	EW-2/38737	2.900	0.270	
1,2-Dichloroethane (µg/L)	8/30/2000	EW-2/36768	0.648	0.080	J
1,2-Dichloroethane (µg/L)	2/15/2001	EW-2/36937	0.604	0.080	J
1,2-Dichloroethane (µg/L)	8/14/2001	EW-2/37117	0.480	0.080	J
1,2-Dichloroethane (µg/L)	1/31/2002	EW-2/37287	0.410	0.080	J
1,2-Dichloroethane (µg/L)	8/ 7/2002	EW-2/37475	0.350	0.080	J
1,2-Dichloroethane (µg/L)	11/12/2002	EW-2/37572	0.340	0.080	J
1,2-Dichloroethane (µg/L)	1/30/2003	EW-2/37651	0.350	0.080	J
1,2-Dichloroethane (µg/L)	8/20/2003	EW-2/37853	0.280	0.160	J,L
1,2-Dichloroethane (µg/L)	11/12/2003	EW-2/37937	0.340	0.080	J
1,2-Dichloroethane (µg/L)	1/29/2004	EW-2/38015	0.290	0.080	J
1,2-Dichloroethane (µg/L)	5/13/2004	EW-2/38120	0.370	0.080	J
1,2-Dichloroethane (µg/L)	7/22/2004	EW-2/38190	0.370	0.080	J
1,2-Dichloroethane (µg/L)	11/11/2004	EW-2/38302	0.240	0.080	J
1,2-Dichloroethane (µg/L)	1/27/2005	EW-2/38379	0.330	0.080	J
1,2-Dichloroethane (µg/L)	5/17/2005	EW-2/38489	0.140	0.130	
1,2-Dichloroethane (µg/L)	5/17/2005	EW-2/38489	0.140	0.130	J
1,2-Dichloroethane (µg/L)	7/26/2005	EW-2/38559	0.230	0.093	J
1,2-Dichloroethane (µg/L)	10/12/2005	EW-2/38637	0.210	0.130	J
1,2-Dichloroethane (µg/L)	1/20/2006	EW-2/38737	0.200	0.130	J
1,2-Dichloroethane (µg/L)	5/15/2006	EW-2/38852	0.150	0.130	J
1,2-Dichloroethane (µg/L)	9/22/2006	EW-2/38982	0.560	0.140	J
1,2-Dichloroethane (µg/L)	11/13/2006	EW-2/39034	0.210	0.140	J
1,2-Dichloroethane (µg/L)	1/31/2007	EW-2/39113	0.330	0.150	J
1,2-Dichloroethane (µg/L)	5/25/2007	EW-2/39227	0.300	0.130	J
1,2-Dichloroethane (µg/L)	9/18/2007	EW-2/39343	0.210	0.098	J
1,2-Dichloroethane (µg/L)	11/14/2007	EW-2/39400	0.230	0.098	J
1,2-Dichloroethane (µg/L)	2/15/2008	EW-2/39493	0.240	0.240	J
1,2-Dichloropropane (µg/L)	12/17/1999	EW-2/36511	2.290	0.000	
1,2-Dichloropropane (µg/L)	6/16/2000	EW-2/36693	1.750	1.000	
1,2-Dichloropropane (µg/L)	8/30/2000	EW-2/36768	1.680	0.070	
1,2-Dichloropropane (µg/L)	2/15/2001	EW-2/36937	1.580	0.070	
1,2-Dichloropropane (µg/L)	8/14/2001	EW-2/37117	1.300	0.070	
1,2-Dichloropropane (µg/L)	1/31/2002	EW-2/37287	1.200	0.070	
1,2-Dichloropropane (µg/L)	8/ 7/2002	EW-2/37475	1.200	0.070	
1,2-Dichloropropane (µg/L)	11/12/2002	EW-2/37572	1.200	0.070	
1,2-Dichloropropane (µg/L)	1/30/2003	EW-2/37651	1.200	0.070	
1,2-Dichloropropane (µg/L)	8/20/2003	EW-2/37853	1.200	0.140	J,L
1,2-Dichloropropane (µg/L)	11/12/2003	EW-2/37937	0.970	0.070	J
1,2-Dichloropropane (µg/L)	1/29/2004	EW-2/38015	1.100	0.070	
1,2-Dichloropropane (µg/L)	5/13/2004	EW-2/38120	0.990	0.070	J
1,2-Dichloropropane (µg/L)	7/22/2004	EW-2/38190	1.200	0.070	
1,2-Dichloropropane (µg/L)	11/11/2004	EW-2/38302	1.000	0.070	
1,2-Dichloropropane (µg/L)	1/27/2005	EW-2/38379	1.100	0.070	
1,2-Dichloropropane (µg/L)	5/17/2005	EW-2/38489	0.750	0.130	
1,2-Dichloropropane (µg/L)	5/17/2005	EW-2/38489	0.750	0.130	J
1,2-Dichloropropane (µg/L)	7/26/2005	EW-2/38559	0.880	0.060	J
1,2-Dichloropropane (µg/L)	10/12/2005	EW-2/38637	0.640	0.130	J
1,2-Dichloropropane (µg/L)	1/20/2006	EW-2/38737	0.800	0.130	J
1,2-Dichloropropane (µg/L)	5/15/2006	EW-2/38852	0.540	0.130	J

Historical Detected VOCs in Groundwater Extraction System Wells

Company: San Benito County **Data Group:** None
Site: John Smith Road Landfill **Date Range:** All thru 4q12
Program: SBC Groundwater **Permit:** WDR 2010-0021

Parameter (Unit)	Date	Sample ID	Result Value	Detection Limit	Code
1,2-Dichloropropane (µg/L)	9/22/2006	EW-2/38982	0.830	0.170	J
1,2-Dichloropropane (µg/L)	11/13/2006	EW-2/39034	0.790	0.170	J
1,2-Dichloropropane (µg/L)	1/31/2007	EW-2/39113	0.930	0.069	
1,2-Dichloropropane (µg/L)	5/25/2007	EW-2/39227	1.000	0.120	
1,2-Dichloropropane (µg/L)	9/18/2007	EW-2/39343	0.840	0.120	
1,2-Dichloropropane (µg/L)	11/14/2007	EW-2/39400	0.840	0.120	
1,2-Dichloropropane (µg/L)	2/15/2008	EW-2/39493	0.970	0.410	
1,2-Dichloropropane (µg/L)	5/23/2008	EW-2/39591	0.780	0.410	
1,2-Dichloropropane (µg/L)	9/30/2008	EW-2/39721	0.740	0.160	J
1,2-Dichloropropane (µg/L)	11/ 7/2008	EW-2/39759	0.710	0.160	
1,2-Dichloropropane (µg/L)	5/22/2009	EW-2/39955	0.600	0.160	
1,2-Dichloropropane (µg/L)	9/24/2009	EW-2/40080	0.610	0.160	
1,2-Dichloropropane (µg/L)	12/10/2009	EW-2/40157	0.590	0.120	
1,2-Dichloropropane (µg/L)	3/18/2010	EW-2/40255	0.480	0.120	J
1,2-Dichloropropane (µg/L)	5/17/2010	EW-2/40315	0.360	0.120	
1,2-Dichloropropane (µg/L)	9/29/2010	EW-2/40450	0.550	0.130	J
1,2-Dichloropropane (µg/L)	12/ 6/2010	EW-2/40518	0.560	0.130	
1,2-Dichloropropane (µg/L)	3/ 1/2011	EW-2/40603	0.570	0.130	J
1,2-Dichloropropane (µg/L)	5/24/2011	EW-2/40687	0.380	0.130	J
1,2-Dichloropropane (µg/L)	9/15/2011	EW-2/40801	0.500	0.130	J
1,2-Dichloropropane (µg/L)	11/ 7/2011	EW-2/40854	0.510	0.130	
1,2-Dichloropropane (µg/L)	3/12/2012	EW-2/40980	0.490	0.130	J
1,2-Dichloropropane (µg/L)	5/16/2012	EW-2/41045	0.410	0.130	J
1,2-Dichloropropane (µg/L)	9/ 7/2012	EW-2/41159	0.390	0.130	J
1,2-Dichloropropane (µg/L)	10/30/2012	EW-2/41212	0.380	0.130	J
Acetone (µg/L)	7/22/2004	EW-2/38190	2.200	1.800	J
Acetone (µg/L)	11/13/2006	EW-2/39034	1.300	0.960	J,A
Bromoform (µg/L)	9/24/2009	EW-2/40080	1.600	0.240	
Chloromethane (µg/L)	7/22/2004	EW-2/38190	0.360	0.140	B,J
Chloromethane (µg/L)	11/11/2004	EW-2/38302	0.230	0.140	J
cis-1,2-Dichloroethene (µg/L)	12/17/1999	EW-2/36511	10.300	0.000	
cis-1,2-Dichloroethene (µg/L)	2/15/2000	EW-2/36571	7.470	0.000	
cis-1,2-Dichloroethene (µg/L)	6/16/2000	EW-2/36693	7.600	1.000	
cis-1,2-Dichloroethene (µg/L)	8/30/2000	EW-2/36768	7.510	0.090	
cis-1,2-Dichloroethene (µg/L)	2/15/2001	EW-2/36937	8.030	0.090	
cis-1,2-Dichloroethene (µg/L)	8/14/2001	EW-2/37117	7.500	0.090	
cis-1,2-Dichloroethene (µg/L)	1/31/2002	EW-2/37287	5.900	0.090	
cis-1,2-Dichloroethene (µg/L)	8/ 7/2002	EW-2/37475	5.800	0.090	
cis-1,2-Dichloroethene (µg/L)	11/12/2002	EW-2/37572	5.300	0.090	
cis-1,2-Dichloroethene (µg/L)	1/30/2003	EW-2/37651	5.800	0.090	
cis-1,2-Dichloroethene (µg/L)	5/13/2003	EW-2/37754	6.200	0.090	
cis-1,2-Dichloroethene (µg/L)	8/20/2003	EW-2/37853	6.000	0.180	L
cis-1,2-Dichloroethene (µg/L)	11/12/2003	EW-2/37937	4.600	0.090	
cis-1,2-Dichloroethene (µg/L)	1/29/2004	EW-2/38015	5.500	0.090	
cis-1,2-Dichloroethene (µg/L)	5/13/2004	EW-2/38120	4.700	0.090	
cis-1,2-Dichloroethene (µg/L)	7/22/2004	EW-2/38190	5.300	0.090	
cis-1,2-Dichloroethene (µg/L)	11/11/2004	EW-2/38302	5.300	0.090	
cis-1,2-Dichloroethene (µg/L)	1/27/2005	EW-2/38379	5.500	0.090	
cis-1,2-Dichloroethene (µg/L)	5/17/2005	EW-2/38489	3.700	0.150	
cis-1,2-Dichloroethene (µg/L)	5/17/2005	EW-2/38489	3.700	0.150	
cis-1,2-Dichloroethene (µg/L)	7/26/2005	EW-2/38559	4.000	0.075	
cis-1,2-Dichloroethene (µg/L)	10/12/2005	EW-2/38637	3.200	0.150	
cis-1,2-Dichloroethene (µg/L)	1/20/2006	EW-2/38737	3.800	0.150	
cis-1,2-Dichloroethene (µg/L)	5/15/2006	EW-2/38852	2.500	0.150	

Historical Detected VOCs in Groundwater Extraction System Wells

Company:	San Benito County	**Data Group:**	None
Site:	John Smith Road Landfill	**Date Range:**	All thru 4q12
Program:	SBC Groundwater	**Permit:**	WDR 2010-0021

Parameter (Unit)	Date	Sample ID	Result Value	Detection Limit	Code
cis-1,2-Dichloroethene (µg/L)	9/22/2006	EW-2/38982	4.100	0.200	
cis-1,2-Dichloroethene (µg/L)	11/13/2006	EW-2/39034	3.400	0.200	
cis-1,2-Dichloroethene (µg/L)	1/31/2007	EW-2/39113	4.700	0.200	
cis-1,2-Dichloroethene (µg/L)	5/25/2007	EW-2/39227	4.400	0.130	
cis-1,2-Dichloroethene (µg/L)	9/18/2007	EW-2/39343	3.800	0.110	
cis-1,2-Dichloroethene (µg/L)	11/14/2007	EW-2/39400	4.000	0.110	
cis-1,2-Dichloroethene (µg/L)	2/15/2008	EW-2/39493	4.500	0.320	
cis-1,2-Dichloroethene (µg/L)	5/23/2008	EW-2/39591	3.900	0.320	
cis-1,2-Dichloroethene (µg/L)	9/30/2008	EW-2/39721	3.100	0.320	
cis-1,2-Dichloroethene (µg/L)	11/ 7/2008	EW-2/39759	3.700	0.320	
cis-1,2-Dichloroethene (µg/L)	5/22/2009	EW-2/39955	2.600	0.320	
cis-1,2-Dichloroethene (µg/L)	9/24/2009	EW-2/40080	3.000	0.320	
cis-1,2-Dichloroethene (µg/L)	12/10/2009	EW-2/40157	3.100	0.110	
cis-1,2-Dichloroethene (µg/L)	3/18/2010	EW-2/40255	2.200	0.110	
cis-1,2-Dichloroethene (µg/L)	5/17/2010	EW-2/40315	2.200	0.110	
cis-1,2-Dichloroethene (µg/L)	9/29/2010	EW-2/40450	2.400	0.085	
cis-1,2-Dichloroethene (µg/L)	12/ 6/2010	EW-2/40518	2.600	0.085	
cis-1,2-Dichloroethene (µg/L)	3/ 1/2011	EW-2/40603	2.800	0.085	
cis-1,2-Dichloroethene (µg/L)	5/24/2011	EW-2/40687	2.200	0.085	
cis-1,2-Dichloroethene (µg/L)	9/15/2011	EW-2/40801	2.100	0.085	
cis-1,2-Dichloroethene (µg/L)	11/ 7/2011	EW-2/40854	2.700	0.085	
cis-1,2-Dichloroethene (µg/L)	3/12/2012	EW-2/40980	2.500	0.085	
cis-1,2-Dichloroethene (µg/L)	5/16/2012	EW-2/41045	1.800	0.085	
cis-1,2-Dichloroethene (µg/L)	9/ 7/2012	EW-2/41159	1.700	0.085	
cis-1,2-Dichloroethene (µg/L)	10/30/2012	EW-2/41212	1.600	0.085	
Dibromochloromethane (µg/L)	9/24/2009	EW-2/40080	0.680	0.230	
Dichlorodifluoromethane (µg/L)	8/30/2000	EW-2/36768	1.010	0.090	
Dichlorodifluoromethane (µg/L)	2/15/2001	EW-2/36937	1.060	0.090	
Dichlorodifluoromethane (µg/L)	8/14/2001	EW-2/37117	0.980	0.090	J
Dichlorodifluoromethane (µg/L)	1/31/2002	EW-2/37287	0.390	0.090	J
Dichlorodifluoromethane (µg/L)	8/ 7/2002	EW-2/37475	0.570	0.090	J
Dichlorodifluoromethane (µg/L)	11/12/2002	EW-2/37572	0.520	0.090	J
Dichlorodifluoromethane (µg/L)	1/30/2003	EW-2/37651	0.610	0.090	J
Dichlorodifluoromethane (µg/L)	5/13/2003	EW-2/37754	0.600	0.090	J
Dichlorodifluoromethane (µg/L)	8/20/2003	EW-2/37853	1.400	0.180	J,L
Dichlorodifluoromethane (µg/L)	11/12/2003	EW-2/37937	0.370	0.090	J
Dichlorodifluoromethane (µg/L)	1/29/2004	EW-2/38015	0.390	0.090	J
Dichlorodifluoromethane (µg/L)	5/13/2004	EW-2/38120	0.380	0.090	J
Dichlorodifluoromethane (µg/L)	7/22/2004	EW-2/38190	0.740	0.090	J
Dichlorodifluoromethane (µg/L)	9/22/2006	EW-2/38982	0.440	0.160	J
Dichlorodifluoromethane (µg/L)	11/13/2006	EW-2/39034	0.260	0.160	J
Dichlorodifluoromethane (µg/L)	1/31/2007	EW-2/39113	0.530	0.170	
Dichlorodifluoromethane (µg/L)	5/25/2007	EW-2/39227	0.390	0.085	J
Dichlorodifluoromethane (µg/L)	9/18/2007	EW-2/39343	0.390	0.110	J
Dichlorodifluoromethane (µg/L)	11/14/2007	EW-2/39400	0.360	0.110	J
Dichlorodifluoromethane (µg/L)	2/15/2008	EW-2/39493	0.730	0.340	
Dichlorodifluoromethane (µg/L)	5/23/2008	EW-2/39591	0.380	0.340	J
Dichlorodifluoromethane (µg/L)	3/18/2010	EW-2/40255	0.270	0.110	J
Dichlorodifluoromethane (µg/L)	9/29/2010	EW-2/40450	0.300	0.099	J
Dichlorodifluoromethane (µg/L)	12/ 6/2010	EW-2/40518	0.310	0.099	J
Dichlorodifluoromethane (µg/L)	3/ 1/2011	EW-2/40603	0.240	0.099	J
Dichlorodifluoromethane (µg/L)	5/24/2011	EW-2/40687	0.230	0.099	J
Dichlorodifluoromethane (µg/L)	11/ 7/2011	EW-2/40854	0.290	0.099	J
Dichlorodifluoromethane (µg/L)	3/12/2012	EW-2/40980	0.250	0.099	J

Historical Detected VOCs in Groundwater Extraction System Wells

Company:	San Benito County	**Data Group:**	None
Site:	John Smith Road Landfill	**Date Range:**	All thru 4q12
Program:	SBC Groundwater	**Permit:**	WDR 2010-0021

Parameter (Unit)	Date	Sample ID	Result Value	Detection Limit	Code
Dichlorodifluoromethane (µg/L)	5/16/2012	EW-2/41045	0.200	0.099	J
Dichlorodifluoromethane (µg/L)	9/ 7/2012	EW-2/41159	0.240	0.099	J
Dichlorodifluoromethane (µg/L)	10/30/2012	EW-2/41212	0.220	0.099	J
Methyl tert-butyl ether (µg/L)	2/15/2001	EW-2/36937	0.139	0.080	J
Methyl tert-butyl ether (µg/L)	1/31/2002	EW-2/37287	0.370	0.080	J
Methylene chloride (µg/L)	8/30/2000	EW-2/36768	0.128	0.060	J
Methylene chloride (µg/L)	1/29/2004	EW-2/38015	0.440	0.060	B,J
Methylene chloride (µg/L)	9/22/2006	EW-2/38982	0.190	0.170	B,J
Naphthalene (µg/L)	8/30/2000	EW-2/36768	0.102	0.100	J
Naphthalene (µg/L)	7/26/2005	EW-2/38559	0.120	0.080	B,J
Tetrachloroethene (µg/L)	12/17/1999	EW-2/36511	3.860	0.000	
Tetrachloroethene (µg/L)	2/15/2000	EW-2/36571	2.660	0.000	
Tetrachloroethene (µg/L)	6/16/2000	EW-2/36693	2.770	1.000	
Tetrachloroethene (µg/L)	8/30/2000	EW-2/36768	3.080	0.080	
Tetrachloroethene (µg/L)	2/15/2001	EW-2/36937	3.260	0.080	
Tetrachloroethene (µg/L)	8/14/2001	EW-2/37117	3.100	0.080	
Tetrachloroethene (µg/L)	1/31/2002	EW-2/37287	2.900	0.080	
Tetrachloroethene (µg/L)	8/ 7/2002	EW-2/37475	2.500	0.080	
Tetrachloroethene (µg/L)	11/12/2002	EW-2/37572	2.600	0.080	
Tetrachloroethene (µg/L)	1/30/2003	EW-2/37651	2.700	0.080	
Tetrachloroethene (µg/L)	5/13/2003	EW-2/37754	3.000	0.080	
Tetrachloroethene (µg/L)	8/20/2003	EW-2/37853	2.800	0.160	L
Tetrachloroethene (µg/L)	11/12/2003	EW-2/37937	2.200	0.080	
Tetrachloroethene (µg/L)	1/29/2004	EW-2/38015	2.500	0.080	
Tetrachloroethene (µg/L)	5/13/2004	EW-2/38120	2.400	0.080	
Tetrachloroethene (µg/L)	7/22/2004	EW-2/38190	2.300	0.080	
Tetrachloroethene (µg/L)	11/11/2004	EW-2/38302	2.400	0.080	
Tetrachloroethene (µg/L)	1/27/2005	EW-2/38379	2.800	0.080	
Tetrachloroethene (µg/L)	5/17/2005	EW-2/38489	2.100	0.200	
Tetrachloroethene (µg/L)	5/17/2005	EW-2/38489	2.100	0.200	
Tetrachloroethene (µg/L)	7/26/2005	EW-2/38559	1.900	0.120	
Tetrachloroethene (µg/L)	10/12/2005	EW-2/38637	1.400	0.200	
Tetrachloroethene (µg/L)	1/20/2006	EW-2/38737	2.200	0.200	
Tetrachloroethene (µg/L)	5/15/2006	EW-2/38852	1.400	0.200	
Tetrachloroethene (µg/L)	9/22/2006	EW-2/38982	2.300	0.130	
Tetrachloroethene (µg/L)	11/13/2006	EW-2/39034	1.500	0.130	
Tetrachloroethene (µg/L)	1/31/2007	EW-2/39113	2.900	0.180	
Tetrachloroethene (µg/L)	5/25/2007	EW-2/39227	2.300	0.110	
Tetrachloroethene (µg/L)	9/18/2007	EW-2/39343	2.300	0.110	
Tetrachloroethene (µg/L)	11/14/2007	EW-2/39400	2.200	0.110	
Tetrachloroethene (µg/L)	2/15/2008	EW-2/39493	2.700	0.280	
Tetrachloroethene (µg/L)	5/23/2008	EW-2/39591	2.300	0.280	
Tetrachloroethene (µg/L)	9/30/2008	EW-2/39721	2.000	0.280	
Tetrachloroethene (µg/L)	11/ 7/2008	EW-2/39759	2.000	0.280	
Tetrachloroethene (µg/L)	5/22/2009	EW-2/39955	1.600	0.280	
Tetrachloroethene (µg/L)	9/24/2009	EW-2/40080	2.200	0.280	
Tetrachloroethene (µg/L)	12/10/2009	EW-2/40157	2.400	0.130	
Tetrachloroethene (µg/L)	3/18/2010	EW-2/40255	2.000	0.130	
Tetrachloroethene (µg/L)	5/17/2010	EW-2/40315	1.600	0.130	
Tetrachloroethene (µg/L)	9/29/2010	EW-2/40450	2.000	0.130	
Tetrachloroethene (µg/L)	12/ 6/2010	EW-2/40518	2.000	0.130	
Tetrachloroethene (µg/L)	3/ 1/2011	EW-2/40603	1.900	0.130	
Tetrachloroethene (µg/L)	5/24/2011	EW-2/40687	1.800	0.130	
Tetrachloroethene (µg/L)	9/15/2011	EW-2/40801	0.840	0.130	J

Historical Detected VOCs in Groundwater Extraction System Wells

Company:	San Benito County	**Data Group:**	None
Site:	John Smith Road Landfill	**Date Range:**	All thru 4q12
Program:	SBC Groundwater	**Permit:**	WDR 2010-0021

Parameter (Unit)	Date	Sample ID	Result Value	Detection Limit	Code
Tetrachloroethene (µg/L)	11/ 7/2011	EW-2/40854	2.200	0.130	
Tetrachloroethene (µg/L)	3/12/2012	EW-2/40980	2.300	0.130	
Tetrachloroethene (µg/L)	5/16/2012	EW-2/41045	1.800	0.130	
Tetrachloroethene (µg/L)	9/ 7/2012	EW-2/41159	1.800	0.130	
Tetrachloroethene (µg/L)	10/30/2012	EW-2/41212	1.800	0.130	
Toluene (µg/L)	12/17/1999	EW-2/36511	2.640	0.000	
Toluene (µg/L)	9/22/2006	EW-2/38982	0.140	0.110	J
trans-1,2-Dichloroethene (µg/L)	8/30/2000	EW-2/36768	0.333	0.090	J
trans-1,2-Dichloroethene (µg/L)	2/15/2001	EW-2/36937	0.346	0.090	J
trans-1,2-Dichloroethene (µg/L)	8/14/2001	EW-2/37117	0.360	0.090	J
trans-1,2-Dichloroethene (µg/L)	1/31/2002	EW-2/37287	0.280	0.090	J
trans-1,2-Dichloroethene (µg/L)	8/ 7/2002	EW-2/37475	0.250	0.090	J
trans-1,2-Dichloroethene (µg/L)	11/12/2002	EW-2/37572	0.220	0.090	J
trans-1,2-Dichloroethene (µg/L)	1/30/2003	EW-2/37651	0.250	0.090	J
trans-1,2-Dichloroethene (µg/L)	8/20/2003	EW-2/37853	0.320	0.180	J,L
trans-1,2-Dichloroethene (µg/L)	11/12/2003	EW-2/37937	0.280	0.090	J
trans-1,2-Dichloroethene (µg/L)	1/29/2004	EW-2/38015	0.210	0.090	J
trans-1,2-Dichloroethene (µg/L)	5/13/2004	EW-2/38120	0.160	0.090	J
trans-1,2-Dichloroethene (µg/L)	7/22/2004	EW-2/38190	0.250	0.090	J
trans-1,2-Dichloroethene (µg/L)	11/11/2004	EW-2/38302	0.210	0.090	J
trans-1,2-Dichloroethene (µg/L)	1/27/2005	EW-2/38379	0.290	0.090	J
trans-1,2-Dichloroethene (µg/L)	5/17/2005	EW-2/38489	0.220	0.150	
trans-1,2-Dichloroethene (µg/L)	5/17/2005	EW-2/38489	0.220	0.150	J
trans-1,2-Dichloroethene (µg/L)	7/26/2005	EW-2/38559	0.240	0.074	J
trans-1,2-Dichloroethene (µg/L)	1/31/2007	EW-2/39113	0.220	0.180	J
trans-1,2-Dichloroethene (µg/L)	5/25/2007	EW-2/39227	0.190	0.180	J
trans-1,2-Dichloroethene (µg/L)	9/18/2007	EW-2/39343	0.160	0.140	J
trans-1,2-Dichloroethene (µg/L)	11/14/2007	EW-2/39400	0.170	0.140	J
trans-1,2-Dichloroethene (µg/L)	11/ 7/2011	EW-2/40854	0.160	0.150	J
Trichloroethene (µg/L)	12/17/1999	EW-2/36511	8.440	0.000	
Trichloroethene (µg/L)	2/15/2000	EW-2/36571	6.320	0.000	
Trichloroethene (µg/L)	6/16/2000	EW-2/36693	6.460	1.000	
Trichloroethene (µg/L)	8/30/2000	EW-2/36768	6.750	0.060	
Trichloroethene (µg/L)	2/15/2001	EW-2/36937	6.850	0.060	
Trichloroethene (µg/L)	8/14/2001	EW-2/37117	6.300	0.060	
Trichloroethene (µg/L)	1/31/2002	EW-2/37287	5.800	0.060	
Trichloroethene (µg/L)	8/ 7/2002	EW-2/37475	5.000	0.060	
Trichloroethene (µg/L)	11/12/2002	EW-2/37572	5.100	0.060	
Trichloroethene (µg/L)	1/30/2003	EW-2/37651	6.200	0.060	
Trichloroethene (µg/L)	5/13/2003	EW-2/37754	5.700	0.060	
Trichloroethene (µg/L)	8/20/2003	EW-2/37853	5.600	0.120	L
Trichloroethene (µg/L)	11/12/2003	EW-2/37937	4.300	0.060	
Trichloroethene (µg/L)	1/29/2004	EW-2/38015	5.100	0.060	
Trichloroethene (µg/L)	5/13/2004	EW-2/38120	4.500	0.060	
Trichloroethene (µg/L)	7/22/2004	EW-2/38190	4.700	0.060	
Trichloroethene (µg/L)	11/11/2004	EW-2/38302	4.500	0.060	
Trichloroethene (µg/L)	1/27/2005	EW-2/38379	5.300	0.060	
Trichloroethene (µg/L)	5/17/2005	EW-2/38489	3.700	0.160	
Trichloroethene (µg/L)	5/17/2005	EW-2/38489	3.700	0.160	
Trichloroethene (µg/L)	7/26/2005	EW-2/38559	3.600	0.120	
Trichloroethene (µg/L)	10/12/2005	EW-2/38637	3.500	0.160	
Trichloroethene (µg/L)	1/20/2006	EW-2/38737	3.500	0.160	
Trichloroethene (µg/L)	5/15/2006	EW-2/38852	2.500	0.160	
Trichloroethene (µg/L)	9/22/2006	EW-2/38982	4.100	0.120	

Historical Detected VOCs in Groundwater Extraction System Wells

Company:	San Benito County	**Data Group:**	None
Site:	John Smith Road Landfill	**Date Range:**	All thru 4q12
Program:	SBC Groundwater	**Permit:**	WDR 2010-0021

Parameter (Unit)	Date	Sample ID	Result Value	Detection Limit	Code
Trichloroethene (µg/L)	11/13/2006	EW-2/39034	3.000	0.120	
Trichloroethene (µg/L)	1/31/2007	EW-2/39113	4.000	0.180	
Trichloroethene (µg/L)	5/25/2007	EW-2/39227	4.000	0.130	
Trichloroethene (µg/L)	9/18/2007	EW-2/39343	4.000	0.130	
Trichloroethene (µg/L)	11/14/2007	EW-2/39400	3.800	0.130	
Trichloroethene (µg/L)	2/15/2008	EW-2/39493	4.600	0.190	
Trichloroethene (µg/L)	5/23/2008	EW-2/39591	4.000	0.190	
Trichloroethene (µg/L)	9/30/2008	EW-2/39721	3.600	0.160	
Trichloroethene (µg/L)	11/ 7/2008	EW-2/39759	3.600	0.160	
Trichloroethene (µg/L)	5/22/2009	EW-2/39955	2.900	0.160	
Trichloroethene (µg/L)	9/24/2009	EW-2/40080	3.600	0.130	
Trichloroethene (µg/L)	12/10/2009	EW-2/40157	3.800	0.130	
Trichloroethene (µg/L)	3/18/2010	EW-2/40255	3.100	0.130	
Trichloroethene (µg/L)	5/17/2010	EW-2/40315	2.400	0.130	
Trichloroethene (µg/L)	9/29/2010	EW-2/40450	3.300	0.085	
Trichloroethene (µg/L)	12/ 6/2010	EW-2/40518	3.200	0.085	
Trichloroethene (µg/L)	3/ 1/2011	EW-2/40603	3.300	0.085	
Trichloroethene (µg/L)	5/24/2011	EW-2/40687	2.800	0.085	
Trichloroethene (µg/L)	9/15/2011	EW-2/40801	3.100	0.085	
Trichloroethene (µg/L)	11/ 7/2011	EW-2/40854	3.500	0.085	
Trichloroethene (µg/L)	3/12/2012	EW-2/40980	3.400	0.085	
Trichloroethene (µg/L)	5/16/2012	EW-2/41045	2.700	0.085	
Trichloroethene (µg/L)	9/ 7/2012	EW-2/41159	2.800	0.085	
Trichloroethene (µg/L)	10/30/2012	EW-2/41212	2.800	0.085	
EW-3					
Volatile Organic Compounds					
1,1-Dichloroethane (µg/L)	2/15/2001	EW-3/36937	0.134	0.040	J
1,1-Dichloroethene (µg/L)	2/15/2001	EW-3/36937	0.084	0.060	J
1,2,4-Trimethylbenzene (µg/L)	9/ 7/2001	EW-3/37141	0.110	0.110	J
1,2-Dichloroethane (µg/L)	8/30/2000	EW-3/36768	0.089	0.080	J
1,2-Dichloroethane (µg/L)	2/15/2001	EW-3/36937	0.177	0.080	J
1,2-Dichloropropane (µg/L)	8/30/2000	EW-3/36768	0.094	0.070	J
1,2-Dichloropropane (µg/L)	2/15/2001	EW-3/36937	0.418	0.070	J
1,2-Dichloropropane (µg/L)	1/31/2002	EW-3/37287	0.073	0.070	J
1,2-Dichloropropane (µg/L)	12/ 6/2010	EW-3/40518	0.130	0.130	J
1,2-Dichloropropane (µg/L)	3/ 1/2011	EW-3/40603	0.150	0.130	J
1,2-Dichloropropane (µg/L)	3/12/2012	EW-3/40980	0.130	0.130	J
1,2-Dichloropropane (µg/L)	5/16/2012	EW-3/41045	0.180	0.130	J
1,2-Dichloropropane (µg/L)	9/ 7/2012	EW-3/41159	0.200	0.130	J
1,2-Dichloropropane (µg/L)	10/30/2012	EW-3/41212	0.180	0.130	J
1,4-Dichlorobenzene (µg/L)	2/15/2001	EW-3/36937	0.162	0.110	J
Acetone (µg/L)	7/22/2004	EW-3/38190	2.000	1.800	J
Acetone (µg/L)	11/13/2006	EW-3/39034	1.600	0.960	J,A
Benzene (µg/L)	2/15/2001	EW-3/36937	0.105	0.050	J
Bromoform (µg/L)	9/24/2009	EW-3/40080	0.450	0.240	J
Chlorobenzene (µg/L)	2/15/2001	EW-3/36937	0.662	0.070	J
Chloromethane (µg/L)	8/20/2003	EW-3/37853	0.260	0.140	J
cis-1,2-Dichloroethene (µg/L)	8/30/2000	EW-3/36768	0.424	0.090	J
cis-1,2-Dichloroethene (µg/L)	2/15/2001	EW-3/36937	4.810	0.090	
cis-1,2-Dichloroethene (µg/L)	9/ 7/2001	EW-3/37141	0.330	0.090	J
cis-1,2-Dichloroethene (µg/L)	1/31/2002	EW-3/37287	0.360	0.090	J
cis-1,2-Dichloroethene (µg/L)	11/12/2002	EW-3/37572	0.290	0.090	J
cis-1,2-Dichloroethene (µg/L)	1/30/2003	EW-3/37651	0.210	0.090	J

Historical Detected VOCs in Groundwater Extraction System Wells

Company:	San Benito County	**Data Group:**	None
Site:	John Smith Road Landfill	**Date Range:**	All thru 4q12
Program:	SBC Groundwater	**Permit:**	WDR 2010-0021

Parameter (Unit)	Date	Sample ID	Result Value	Detection Limit	Code
cis-1,2-Dichloroethene (µg/L)	5/13/2003	EW-3/37754	0.250	0.090	J
cis-1,2-Dichloroethene (µg/L)	8/20/2003	EW-3/37853	0.220	0.090	J
cis-1,2-Dichloroethene (µg/L)	11/12/2003	EW-3/37937	0.100	0.090	J
cis-1,2-Dichloroethene (µg/L)	1/29/2004	EW-3/38015	0.260	0.090	J
cis-1,2-Dichloroethene (µg/L)	5/13/2004	EW-3/38120	0.270	0.090	J
cis-1,2-Dichloroethene (µg/L)	7/22/2004	EW-3/38190	0.190	0.090	J
cis-1,2-Dichloroethene (µg/L)	11/11/2004	EW-3/38302	0.180	0.090	J
cis-1,2-Dichloroethene (µg/L)	1/27/2005	EW-3/38379	0.180	0.090	J
cis-1,2-Dichloroethene (µg/L)	5/17/2005	EW-3/38489	0.190	0.150	
cis-1,2-Dichloroethene (µg/L)	5/17/2005	EW-3/38489	0.190	0.150	J
cis-1,2-Dichloroethene (µg/L)	7/26/2005	EW-3/38559	0.170	0.075	J
cis-1,2-Dichloroethene (µg/L)	5/15/2006	EW-3/38852	0.180	0.150	J
cis-1,2-Dichloroethene (µg/L)	11/14/2007	EW-3/39400	0.210	0.110	J
cis-1,2-Dichloroethene (µg/L)	11/ 7/2008	EW-3/39759	0.380	0.320	J
cis-1,2-Dichloroethene (µg/L)	5/22/2009	EW-3/39955	0.390	0.320	J
cis-1,2-Dichloroethene (µg/L)	3/18/2010	EW-3/40255	0.690	0.110	J
cis-1,2-Dichloroethene (µg/L)	5/20/2010	EW-3/40318	0.690	0.110	
cis-1,2-Dichloroethene (µg/L)	9/29/2010	EW-3/40450	0.650	0.085	J
cis-1,2-Dichloroethene (µg/L)	12/ 6/2010	EW-3/40518	0.780	0.085	
cis-1,2-Dichloroethene (µg/L)	3/ 1/2011	EW-3/40603	0.840	0.085	J
cis-1,2-Dichloroethene (µg/L)	5/24/2011	EW-3/40687	0.760	0.085	
cis-1,2-Dichloroethene (µg/L)	9/15/2011	EW-3/40801	0.590	0.085	J
cis-1,2-Dichloroethene (µg/L)	11/ 7/2011	EW-3/40854	0.710	0.085	
cis-1,2-Dichloroethene (µg/L)	3/12/2012	EW-3/40980	0.670	0.085	J
cis-1,2-Dichloroethene (µg/L)	5/16/2012	EW-3/41045	0.860	0.085	
cis-1,2-Dichloroethene (µg/L)	9/ 7/2012	EW-3/41159	0.960	0.085	
cis-1,2-Dichloroethene (µg/L)	10/30/2012	EW-3/41212	0.810	0.085	
Isopropyl benzene (µg/L)	9/ 7/2001	EW-3/37141	0.190	0.100	J
Methylene chloride (µg/L)	1/29/2004	EW-3/38015	0.420	0.060	B,J
Methylene chloride (µg/L)	9/22/2006	EW-3/38982	0.260	0.170	B,J
n-Propylbenzene (µg/L)	9/ 7/2001	EW-3/37141	0.250	0.110	J
Naphthalene (µg/L)	9/ 7/2001	EW-3/37141	0.860	0.100	J
Tetrachloroethene (µg/L)	8/30/2000	EW-3/36768	0.221	0.080	J
Tetrachloroethene (µg/L)	2/15/2001	EW-3/36937	1.140	0.080	
Tetrachloroethene (µg/L)	9/ 7/2001	EW-3/37141	0.260	0.080	J
Tetrachloroethene (µg/L)	1/31/2002	EW-3/37287	0.140	0.080	J
Tetrachloroethene (µg/L)	11/12/2002	EW-3/37572	0.093	0.080	J
Tetrachloroethene (µg/L)	1/30/2003	EW-3/37651	0.160	0.080	J
Tetrachloroethene (µg/L)	11/12/2003	EW-3/37937	0.120	0.080	J
Tetrachloroethene (µg/L)	5/13/2004	EW-3/38120	0.170	0.080	J
Tetrachloroethene (µg/L)	7/22/2004	EW-3/38190	0.110	0.080	J
Tetrachloroethene (µg/L)	11/11/2004	EW-3/38302	0.170	0.080	J
Tetrachloroethene (µg/L)	1/27/2005	EW-3/38379	0.190	0.080	J
Tetrachloroethene (µg/L)	7/26/2005	EW-3/38559	0.260	0.120	J
Tetrachloroethene (µg/L)	9/22/2006	EW-3/38982	0.180	0.130	J
Tetrachloroethene (µg/L)	9/18/2007	EW-3/39343	0.140	0.110	J
Tetrachloroethene (µg/L)	11/14/2007	EW-3/39400	0.180	0.110	J
Tetrachloroethene (µg/L)	11/ 7/2008	EW-3/39759	0.290	0.280	J
Tetrachloroethene (µg/L)	9/24/2009	EW-3/40080	0.380	0.280	J
Tetrachloroethene (µg/L)	12/10/2009	EW-3/40157	0.270	0.130	J
Tetrachloroethene (µg/L)	3/18/2010	EW-3/40255	0.450	0.130	J
Tetrachloroethene (µg/L)	5/20/2010	EW-3/40318	0.420	0.130	
Tetrachloroethene (µg/L)	9/29/2010	EW-3/40450	0.460	0.130	J
Tetrachloroethene (µg/L)	12/ 6/2010	EW-3/40518	0.500	0.130	

Historical Detected VOCs in Groundwater Extraction System Wells

Company:	San Benito County	**Data Group:**	None
Site:	John Smith Road Landfill	**Date Range:**	All thru 4q12
Program:	SBC Groundwater	**Permit:**	WDR 2010-0021

Parameter (Unit)	Date	Sample ID	Result Value	Detection Limit	Code
Tetrachloroethene (µg/L)	3/ 1/2011	EW-3/40603	0.510	0.130	J
Tetrachloroethene (µg/L)	5/24/2011	EW-3/40687	0.430	0.130	J
Tetrachloroethene (µg/L)	11/ 7/2011	EW-3/40854	0.440	0.130	J
Tetrachloroethene (µg/L)	3/12/2012	EW-3/40980	0.440	0.130	J
Tetrachloroethene (µg/L)	5/16/2012	EW-3/41045	0.570	0.130	
Tetrachloroethene (µg/L)	9/ 7/2012	EW-3/41159	0.560	0.130	
Tetrachloroethene (µg/L)	10/30/2012	EW-3/41212	0.620	0.130	
Toluene (µg/L)	12/17/1999	EW-3/36511	2.980	0.000	
Toluene (µg/L)	2/15/2001	EW-3/36937	0.098	0.070	J
trans-1,2-Dichloroethene (µg/L)	2/15/2001	EW-3/36937	0.121	0.090	J
Trichloroethene (µg/L)	8/30/2000	EW-3/36768	0.416	0.060	J
Trichloroethene (µg/L)	2/15/2001	EW-3/36937	2.910	0.060	
Trichloroethene (µg/L)	9/ 7/2001	EW-3/37141	0.370	0.060	J
Trichloroethene (µg/L)	1/31/2002	EW-3/37287	0.280	0.060	J
Trichloroethene (µg/L)	11/12/2002	EW-3/37572	0.250	0.060	J
Trichloroethene (µg/L)	1/30/2003	EW-3/37651	0.240	0.060	J
Trichloroethene (µg/L)	5/13/2003	EW-3/37754	0.220	0.060	J
Trichloroethene (µg/L)	8/20/2003	EW-3/37853	0.230	0.060	J
Trichloroethene (µg/L)	11/12/2003	EW-3/37937	0.140	0.060	J
Trichloroethene (µg/L)	1/29/2004	EW-3/38015	0.210	0.060	J
Trichloroethene (µg/L)	5/13/2004	EW-3/38120	0.290	0.060	J
Trichloroethene (µg/L)	7/22/2004	EW-3/38190	0.210	0.060	J
Trichloroethene (µg/L)	11/11/2004	EW-3/38302	0.180	0.060	J
Trichloroethene (µg/L)	1/27/2005	EW-3/38379	0.190	0.060	J
Trichloroethene (µg/L)	5/17/2005	EW-3/38489	0.190	0.160	
Trichloroethene (µg/L)	5/17/2005	EW-3/38489	0.190	0.160	J
Trichloroethene (µg/L)	7/26/2005	EW-3/38559	0.300	0.120	J
Trichloroethene (µg/L)	10/12/2005	EW-3/38637	0.190	0.160	J
Trichloroethene (µg/L)	5/15/2006	EW-3/38852	0.180	0.160	J
Trichloroethene (µg/L)	9/22/2006	EW-3/38982	0.210	0.120	J
Trichloroethene (µg/L)	11/13/2006	EW-3/39034	0.130	0.120	J
Trichloroethene (µg/L)	9/18/2007	EW-3/39343	0.130	0.130	J
Trichloroethene (µg/L)	11/14/2007	EW-3/39400	0.250	0.130	J
Trichloroethene (µg/L)	2/15/2008	EW-3/39493	0.220	0.190	J
Trichloroethene (µg/L)	5/23/2008	EW-3/39591	0.300	0.190	J
Trichloroethene (µg/L)	9/30/2008	EW-3/39721	0.340	0.160	J
Trichloroethene (µg/L)	11/ 7/2008	EW-3/39759	0.390	0.160	J
Trichloroethene (µg/L)	5/22/2009	EW-3/39955	0.360	0.160	J
Trichloroethene (µg/L)	9/24/2009	EW-3/40080	0.470	0.130	J
Trichloroethene (µg/L)	12/10/2009	EW-3/40157	0.390	0.130	J
Trichloroethene (µg/L)	3/18/2010	EW-3/40255	0.630	0.130	J
Trichloroethene (µg/L)	5/20/2010	EW-3/40318	0.560	0.130	
Trichloroethene (µg/L)	9/29/2010	EW-3/40450	0.700	0.085	J
Trichloroethene (µg/L)	12/ 6/2010	EW-3/40518	0.670	0.085	
Trichloroethene (µg/L)	3/ 1/2011	EW-3/40603	0.770	0.085	J
Trichloroethene (µg/L)	5/24/2011	EW-3/40687	0.700	0.085	
Trichloroethene (µg/L)	9/15/2011	EW-3/40801	0.690	0.085	J
Trichloroethene (µg/L)	11/ 7/2011	EW-3/40854	0.630	0.085	
Trichloroethene (µg/L)	3/12/2012	EW-3/40980	0.640	0.085	J
Trichloroethene (µg/L)	5/16/2012	EW-3/41045	0.720	0.085	
Trichloroethene (µg/L)	9/ 7/2012	EW-3/41159	0.840	0.085	
Trichloroethene (µg/L)	10/30/2012	EW-3/41212	0.760	0.085	
Vinyl chloride (µg/L)	2/15/2001	EW-3/36937	1.590	0.060	

Historical Detected VOCs in Groundwater Extraction System Wells

Company:	San Benito County	**Data Group:**	None
Site:	John Smith Road Landfill	**Date Range:**	All thru 4q12
Program:	SBC Groundwater	**Permit:**	WDR 2010-0021

Parameter (Unit)	Date	Sample ID	Result Value	Detection Limit	Code
EW-4					
Volatile Organic Compounds					
1,1-Dichloroethane (µg/L)	8/30/2000	EW-4/36768	0.629	0.040	J
1,1-Dichloroethane (µg/L)	2/15/2001	EW-4/36937	0.689	0.040	J
1,1-Dichloroethane (µg/L)	9/ 7/2001	EW-4/37141	0.550	0.040	J
1,1-Dichloroethane (µg/L)	1/31/2002	EW-4/37287	0.980	0.040	J
1,1-Dichloroethane (µg/L)	8/ 7/2002	EW-4/37475	0.680	0.040	J
1,1-Dichloroethane (µg/L)	8/ 7/2002	EW-4/37475	0.570	0.040	J,P
1,1-Dichloroethane (µg/L)	11/13/2002	EW-4/37573	0.700	0.040	J
1,1-Dichloroethane (µg/L)	1/30/2003	EW-4/37651	0.600	0.040	J
1,1-Dichloroethane (µg/L)	8/28/2003	EW-4/37861	0.510	0.040	J
1,1-Dichloroethane (µg/L)	11/12/2003	EW-4/37937	0.460	0.040	J
1,1-Dichloroethane (µg/L)	1/29/2004	EW-4/38015	0.520	0.040	J
1,1-Dichloroethane (µg/L)	5/13/2004	EW-4/38120	0.520	0.040	J
1,1-Dichloroethane (µg/L)	7/22/2004	EW-4/38190	0.500	0.040	J
1,1-Dichloroethane (µg/L)	11/11/2004	EW-4/38302	0.460	0.040	J
1,1-Dichloroethane (µg/L)	1/27/2005	EW-4/38379	0.480	0.040	J
1,1-Dichloroethane (µg/L)	5/17/2005	EW-4/38489	0.320	0.160	
1,1-Dichloroethane (µg/L)	5/17/2005	EW-4/38489	0.320	0.160	J
1,1-Dichloroethane (µg/L)	7/26/2005	EW-4/38559	0.360	0.210	J
1,1-Dichloroethane (µg/L)	1/20/2006	EW-4/38737	0.370	0.160	J
1,1-Dichloroethane (µg/L)	5/15/2006	EW-4/38852	0.270	0.160	J
1,1-Dichloroethane (µg/L)	9/22/2006	EW-4/38982	0.420	0.200	J
1,1-Dichloroethane (µg/L)	11/13/2006	EW-4/39034	0.240	0.200	J
1,1-Dichloroethane (µg/L)	1/31/2007	EW-4/39113	0.340	0.100	J
1,1-Dichloroethane (µg/L)	5/25/2007	EW-4/39227	0.380	0.110	J
1,1-Dichloroethane (µg/L)	9/18/2007	EW-4/39343	0.410	0.110	J
1,1-Dichloroethane (µg/L)	11/14/2007	EW-4/39400	0.360	0.110	J
1,1-Dichloroethane (µg/L)	2/15/2008	EW-4/39493	0.490	0.250	J
1,1-Dichloroethane (µg/L)	5/22/2008	EW-4/39590	0.330	0.250	J
1,1-Dichloroethane (µg/L)	9/30/2008	EW-4/39721	0.440	0.130	J
1,1-Dichloroethane (µg/L)	11/ 7/2008	EW-4/39759	0.440	0.130	J
1,1-Dichloroethane (µg/L)	5/22/2009	EW-4/39955	0.430	0.130	J
1,1-Dichloroethane (µg/L)	9/24/2009	EW-4/40080	0.400	0.130	J
1,1-Dichloroethane (µg/L)	12/10/2009	EW-4/40157	0.390	0.081	J
1,1-Dichloroethane (µg/L)	3/25/2010	EW-4/40262	0.370	0.081	J
1,1-Dichloroethane (µg/L)	3/25/2010	EW-4/40262	0.370	0.081	
1,1-Dichloroethane (µg/L)	5/17/2010	EW-4/40315	0.380	0.081	
1,1-Dichloroethane (µg/L)	9/29/2010	EW-4/40450	0.380	0.110	J
1,1-Dichloroethane (µg/L)	12/ 6/2010	EW-4/40518	0.390	0.110	J
1,1-Dichloroethane (µg/L)	3/ 1/2011	EW-4/40603	0.420	0.110	J
1,1-Dichloroethane (µg/L)	5/24/2011	EW-4/40687	0.350	0.110	J
1,1-Dichloroethane (µg/L)	9/15/2011	EW-4/40801	0.350	0.110	J
1,1-Dichloroethane (µg/L)	11/ 7/2011	EW-4/40854	0.490	0.110	J
1,1-Dichloroethane (µg/L)	3/12/2012	EW-4/40980	0.480	0.110	J
1,1-Dichloroethane (µg/L)	5/16/2012	EW-4/41045	0.390	0.110	J
1,1-Dichloroethane (µg/L)	9/ 7/2012	EW-4/41159	0.430	0.110	J
1,1-Dichloroethane (µg/L)	10/30/2012	EW-4/41212	0.380	0.110	J
1,1-Dichloroethene (µg/L)	8/30/2000	EW-4/36768	0.432	0.060	J
1,1-Dichloroethene (µg/L)	2/15/2001	EW-4/36937	0.485	0.060	J
1,1-Dichloroethene (µg/L)	9/ 7/2001	EW-4/37141	0.360	0.060	J
1,1-Dichloroethene (µg/L)	1/31/2002	EW-4/37287	0.670	0.060	J
1,1-Dichloroethene (µg/L)	8/ 7/2002	EW-4/37475	0.400	0.060	J
1,1-Dichloroethene (µg/L)	8/ 7/2002	EW-4/37475	0.360	0.060	J,P

Historical Detected VOCs in Groundwater Extraction System Wells

Company:	San Benito County	**Data Group:**	None
Site:	John Smith Road Landfill	**Date Range:**	All thru 4q12
Program:	SBC Groundwater	**Permit:**	WDR 2010-0021

Parameter (Unit)	Date	Sample ID	Result Value	Detection Limit	Code
1,1-Dichloroethene (µg/L)	11/13/2002	EW-4/37573	0.470	0.060	J
1,1-Dichloroethene (µg/L)	1/30/2003	EW-4/37651	0.360	0.060	J
1,1-Dichloroethene (µg/L)	8/28/2003	EW-4/37861	0.280	0.060	J
1,1-Dichloroethene (µg/L)	11/12/2003	EW-4/37937	0.240	0.060	J
1,1-Dichloroethene (µg/L)	1/29/2004	EW-4/38015	0.310	0.060	J
1,1-Dichloroethene (µg/L)	5/13/2004	EW-4/38120	0.280	0.060	J
1,1-Dichloroethene (µg/L)	7/22/2004	EW-4/38190	0.260	0.060	J
1,1-Dichloroethene (µg/L)	11/11/2004	EW-4/38302	0.360	0.060	J
1,1-Dichloroethene (µg/L)	1/27/2005	EW-4/38379	0.460	0.060	J
1,1-Dichloroethene (µg/L)	7/26/2005	EW-4/38559	0.340	0.130	J
1,1-Dichloroethene (µg/L)	1/20/2006	EW-4/38737	0.320	0.140	J
1,1-Dichloroethene (µg/L)	1/31/2007	EW-4/39113	0.260	0.150	J
1,1-Dichloroethene (µg/L)	5/25/2007	EW-4/39227	0.350	0.120	J
1,1-Dichloroethene (µg/L)	9/18/2007	EW-4/39343	0.430	0.120	J
1,1-Dichloroethene (µg/L)	11/14/2007	EW-4/39400	0.380	0.120	J
1,1-Dichloroethene (µg/L)	2/15/2008	EW-4/39493	0.560	0.290	
1,1-Dichloroethene (µg/L)	9/30/2008	EW-4/39721	0.390	0.230	J
1,1-Dichloroethene (µg/L)	5/22/2009	EW-4/39955	0.430	0.230	J
1,1-Dichloroethene (µg/L)	9/24/2009	EW-4/40080	0.540	0.160	
1,1-Dichloroethene (µg/L)	12/10/2009	EW-4/40157	0.560	0.120	
1,1-Dichloroethene (µg/L)	3/25/2010	EW-4/40262	0.420	0.120	J
1,1-Dichloroethene (µg/L)	3/25/2010	EW-4/40262	0.420	0.120	
1,1-Dichloroethene (µg/L)	5/17/2010	EW-4/40315	0.560	0.120	
1,1-Dichloroethene (µg/L)	9/29/2010	EW-4/40450	0.480	0.180	J
1,1-Dichloroethene (µg/L)	12/ 6/2010	EW-4/40518	0.500	0.180	
1,1-Dichloroethene (µg/L)	3/ 1/2011	EW-4/40603	0.570	0.180	J
1,1-Dichloroethene (µg/L)	5/24/2011	EW-4/40687	0.550	0.180	
1,1-Dichloroethene (µg/L)	9/15/2011	EW-4/40801	0.470	0.180	J
1,1-Dichloroethene (µg/L)	11/ 7/2011	EW-4/40854	0.790	0.180	
1,1-Dichloroethene (µg/L)	3/12/2012	EW-4/40980	0.640	0.180	J
1,1-Dichloroethene (µg/L)	5/16/2012	EW-4/41045	0.480	0.180	J
1,1-Dichloroethene (µg/L)	9/ 7/2012	EW-4/41159	0.650	0.180	
1,1-Dichloroethene (µg/L)	10/30/2012	EW-4/41212	0.550	0.180	
1,2-Dichloroethane (µg/L)	6/16/2000	EW-4/36693	1.030	1.000	
1,2-Dichloroethane (µg/L)	8/30/2000	EW-4/36768	0.971	0.080	J
1,2-Dichloroethane (µg/L)	2/15/2001	EW-4/36937	0.811	0.080	J
1,2-Dichloroethane (µg/L)	9/ 7/2001	EW-4/37141	0.630	0.080	J
1,2-Dichloroethane (µg/L)	1/31/2002	EW-4/37287	0.720	0.080	J
1,2-Dichloroethane (µg/L)	8/ 7/2002	EW-4/37475	0.620	0.080	J
1,2-Dichloroethane (µg/L)	8/ 7/2002	EW-4/37475	0.480	0.080	J,P
1,2-Dichloroethane (µg/L)	11/13/2002	EW-4/37573	0.640	0.080	J
1,2-Dichloroethane (µg/L)	1/30/2003	EW-4/37651	0.550	0.080	J
1,2-Dichloroethane (µg/L)	8/28/2003	EW-4/37861	0.390	0.080	J
1,2-Dichloroethane (µg/L)	11/12/2003	EW-4/37937	0.420	0.080	J
1,2-Dichloroethane (µg/L)	1/29/2004	EW-4/38015	0.370	0.080	J
1,2-Dichloroethane (µg/L)	5/13/2004	EW-4/38120	0.470	0.080	J
1,2-Dichloroethane (µg/L)	7/22/2004	EW-4/38190	0.360	0.080	J
1,2-Dichloroethane (µg/L)	11/11/2004	EW-4/38302	0.410	0.080	J
1,2-Dichloroethane (µg/L)	5/17/2005	EW-4/38489	0.300	0.130	
1,2-Dichloroethane (µg/L)	5/17/2005	EW-4/38489	0.300	0.130	J
1,2-Dichloroethane (µg/L)	7/26/2005	EW-4/38559	0.250	0.093	J
1,2-Dichloroethane (µg/L)	1/20/2006	EW-4/38737	0.290	0.130	J
1,2-Dichloroethane (µg/L)	5/15/2006	EW-4/38852	0.270	0.130	J
1,2-Dichloroethane (µg/L)	9/22/2006	EW-4/38982	0.290	0.140	J

Historical Detected VOCs in Groundwater Extraction System Wells

Company:	San Benito County	**Data Group:**	None
Site:	John Smith Road Landfill	**Date Range:**	All thru 4q12
Program:	SBC Groundwater	**Permit:**	WDR 2010-0021

Parameter (Unit)	Date	Sample ID	Result Value	Detection Limit	Code
1,2-Dichloroethane (µg/L)	11/13/2006	EW-4/39034	0.210	0.140	J
1,2-Dichloroethane (µg/L)	1/31/2007	EW-4/39113	0.290	0.150	J
1,2-Dichloroethane (µg/L)	5/25/2007	EW-4/39227	0.320	0.130	J
1,2-Dichloroethane (µg/L)	9/18/2007	EW-4/39343	0.320	0.098	J
1,2-Dichloroethane (µg/L)	11/14/2007	EW-4/39400	0.250	0.098	J
1,2-Dichloroethane (µg/L)	2/15/2008	EW-4/39493	0.340	0.240	J
1,2-Dichloroethane (µg/L)	9/30/2008	EW-4/39721	0.320	0.240	J
1,2-Dichloroethane (µg/L)	5/22/2009	EW-4/39955	0.320	0.240	J
1,2-Dichloroethane (µg/L)	12/10/2009	EW-4/40157	0.150	0.140	J
1,2-Dichloroethane (µg/L)	3/25/2010	EW-4/40262	0.250	0.140	J
1,2-Dichloroethane (µg/L)	3/25/2010	EW-4/40262	0.250	0.140	
1,2-Dichloroethane (µg/L)	9/29/2010	EW-4/40450	0.330	0.170	J
1,2-Dichloroethane (µg/L)	12/ 6/2010	EW-4/40518	0.360	0.170	J
1,2-Dichloroethane (µg/L)	3/ 1/2011	EW-4/40603	0.340	0.170	J
1,2-Dichloroethane (µg/L)	3/12/2012	EW-4/40980	0.470	0.170	J
1,2-Dichloroethane (µg/L)	5/16/2012	EW-4/41045	0.360	0.170	J
1,2-Dichloroethane (µg/L)	9/ 7/2012	EW-4/41159	0.390	0.170	J
1,2-Dichloroethane (µg/L)	10/30/2012	EW-4/41212	0.370	0.170	J
1,2-Dichloropropane (µg/L)	12/17/1999	EW-4/36511	3.160	0.000	
1,2-Dichloropropane (µg/L)	6/16/2000	EW-4/36693	2.660	1.000	
1,2-Dichloropropane (µg/L)	8/30/2000	EW-4/36768	2.360	0.070	
1,2-Dichloropropane (µg/L)	2/15/2001	EW-4/36937	2.300	0.070	
1,2-Dichloropropane (µg/L)	9/ 7/2001	EW-4/37141	1.800	0.070	
1,2-Dichloropropane (µg/L)	1/31/2002	EW-4/37287	2.500	0.070	
1,2-Dichloropropane (µg/L)	8/ 7/2002	EW-4/37475	2.000	0.070	
1,2-Dichloropropane (µg/L)	8/ 7/2002	EW-4/37475	1.700	0.070	P
1,2-Dichloropropane (µg/L)	11/13/2002	EW-4/37573	2.300	0.070	
1,2-Dichloropropane (µg/L)	1/30/2003	EW-4/37651	2.100	0.070	
1,2-Dichloropropane (µg/L)	5/13/2003	EW-4/37754	1.400	0.350	J
1,2-Dichloropropane (µg/L)	8/28/2003	EW-4/37861	1.500	0.070	
1,2-Dichloropropane (µg/L)	11/12/2003	EW-4/37937	1.500	0.070	
1,2-Dichloropropane (µg/L)	1/29/2004	EW-4/38015	1.700	0.070	
1,2-Dichloropropane (µg/L)	5/13/2004	EW-4/38120	1.500	0.070	
1,2-Dichloropropane (µg/L)	7/22/2004	EW-4/38190	1.500	0.070	
1,2-Dichloropropane (µg/L)	11/11/2004	EW-4/38302	1.600	0.070	
1,2-Dichloropropane (µg/L)	1/27/2005	EW-4/38379	1.900	0.070	
1,2-Dichloropropane (µg/L)	5/17/2005	EW-4/38489	1.200	0.130	
1,2-Dichloropropane (µg/L)	5/17/2005	EW-4/38489	1.200	0.130	
1,2-Dichloropropane (µg/L)	7/26/2005	EW-4/38559	1.200	0.060	
1,2-Dichloropropane (µg/L)	1/20/2006	EW-4/38737	1.400	0.130	
1,2-Dichloropropane (µg/L)	5/15/2006	EW-4/38852	1.000	0.130	
1,2-Dichloropropane (µg/L)	9/22/2006	EW-4/38982	1.800	0.170	
1,2-Dichloropropane (µg/L)	11/13/2006	EW-4/39034	0.980	0.170	J
1,2-Dichloropropane (µg/L)	1/31/2007	EW-4/39113	1.300	0.069	
1,2-Dichloropropane (µg/L)	5/25/2007	EW-4/39227	1.600	0.120	
1,2-Dichloropropane (µg/L)	9/18/2007	EW-4/39343	1.800	0.120	
1,2-Dichloropropane (µg/L)	11/14/2007	EW-4/39400	1.300	0.120	
1,2-Dichloropropane (µg/L)	2/15/2008	EW-4/39493	2.200	0.410	
1,2-Dichloropropane (µg/L)	5/22/2008	EW-4/39590	1.300	0.410	
1,2-Dichloropropane (µg/L)	9/30/2008	EW-4/39721	1.800	0.160	
1,2-Dichloropropane (µg/L)	11/ 7/2008	EW-4/39759	1.800	0.160	
1,2-Dichloropropane (µg/L)	5/22/2009	EW-4/39955	1.700	0.160	
1,2-Dichloropropane (µg/L)	9/24/2009	EW-4/40080	1.600	0.160	
1,2-Dichloropropane (µg/L)	12/10/2009	EW-4/40157	2.100	0.120	

Historical Detected VOCs in Groundwater Extraction System Wells

Company: San Benito County **Data Group:** None
Site: John Smith Road Landfill **Date Range:** All thru 4q12
Program: SBC Groundwater **Permit:** WDR 2010-0021

Parameter (Unit)	Date	Sample ID	Result Value	Detection Limit	Code
1,2-Dichloropropane (µg/L)	3/25/2010	EW-4/40262	1.600	0.120	
1,2-Dichloropropane (µg/L)	3/25/2010	EW-4/40262	1.600	0.120	
1,2-Dichloropropane (µg/L)	5/17/2010	EW-4/40315	1.600	0.120	
1,2-Dichloropropane (µg/L)	9/29/2010	EW-4/40450	2.200	0.130	
1,2-Dichloropropane (µg/L)	12/ 6/2010	EW-4/40518	2.000	0.130	
1,2-Dichloropropane (µg/L)	3/ 1/2011	EW-4/40603	2.400	0.130	
1,2-Dichloropropane (µg/L)	5/24/2011	EW-4/40687	2.000	0.130	
1,2-Dichloropropane (µg/L)	9/15/2011	EW-4/40801	2.200	0.130	
1,2-Dichloropropane (µg/L)	11/ 7/2011	EW-4/40854	2.500	0.130	
1,2-Dichloropropane (µg/L)	3/12/2012	EW-4/40980	2.600	0.130	
1,2-Dichloropropane (µg/L)	5/16/2012	EW-4/41045	2.500	0.130	
1,2-Dichloropropane (µg/L)	9/ 7/2012	EW-4/41159	2.900	0.130	
1,2-Dichloropropane (µg/L)	10/30/2012	EW-4/41212	2.700	0.130	
1,4-Dichlorobenzene (µg/L)	8/30/2000	EW-4/36768	0.889	0.110	J
1,4-Dichlorobenzene (µg/L)	2/15/2001	EW-4/36937	0.989	0.110	J
1,4-Dichlorobenzene (µg/L)	9/ 7/2001	EW-4/37141	0.870	0.110	J
1,4-Dichlorobenzene (µg/L)	1/31/2002	EW-4/37287	0.910	0.110	J
1,4-Dichlorobenzene (µg/L)	8/ 7/2002	EW-4/37475	0.860	0.110	J
1,4-Dichlorobenzene (µg/L)	8/ 7/2002	EW-4/37475	0.810	0.110	J,P
1,4-Dichlorobenzene (µg/L)	11/13/2002	EW-4/37573	0.890	0.110	J
1,4-Dichlorobenzene (µg/L)	1/30/2003	EW-4/37651	0.920	0.110	J
1,4-Dichlorobenzene (µg/L)	5/13/2003	EW-4/37754	0.660	0.550	J
1,4-Dichlorobenzene (µg/L)	8/28/2003	EW-4/37861	0.670	0.110	J
1,4-Dichlorobenzene (µg/L)	11/12/2003	EW-4/37937	0.700	0.110	J
1,4-Dichlorobenzene (µg/L)	1/29/2004	EW-4/38015	0.760	0.110	J
1,4-Dichlorobenzene (µg/L)	5/13/2004	EW-4/38120	0.800	0.110	J
1,4-Dichlorobenzene (µg/L)	7/22/2004	EW-4/38190	0.650	0.110	J
1,4-Dichlorobenzene (µg/L)	11/11/2004	EW-4/38302	0.830	0.110	J
1,4-Dichlorobenzene (µg/L)	1/27/2005	EW-4/38379	0.660	0.110	J
1,4-Dichlorobenzene (µg/L)	5/17/2005	EW-4/38489	0.660	0.160	
1,4-Dichlorobenzene (µg/L)	5/17/2005	EW-4/38489	0.660	0.160	J
1,4-Dichlorobenzene (µg/L)	7/26/2005	EW-4/38559	0.640	0.098	J
1,4-Dichlorobenzene (µg/L)	1/20/2006	EW-4/38737	0.690	0.160	J
1,4-Dichlorobenzene (µg/L)	5/15/2006	EW-4/38852	0.510	0.160	J
1,4-Dichlorobenzene (µg/L)	9/22/2006	EW-4/38982	0.730	0.190	J
1,4-Dichlorobenzene (µg/L)	11/13/2006	EW-4/39034	0.520	0.190	J
1,4-Dichlorobenzene (µg/L)	1/31/2007	EW-4/39113	0.590	0.099	
1,4-Dichlorobenzene (µg/L)	5/25/2007	EW-4/39227	0.610	0.089	
1,4-Dichlorobenzene (µg/L)	9/18/2007	EW-4/39343	0.770	0.120	
1,4-Dichlorobenzene (µg/L)	11/14/2007	EW-4/39400	0.600	0.120	
1,4-Dichlorobenzene (µg/L)	2/15/2008	EW-4/39493	0.840	0.480	
1,4-Dichlorobenzene (µg/L)	5/22/2008	EW-4/39590	0.630	0.480	
1,4-Dichlorobenzene (µg/L)	9/30/2008	EW-4/39721	0.570	0.160	J
1,4-Dichlorobenzene (µg/L)	11/ 7/2008	EW-4/39759	0.750	0.160	
1,4-Dichlorobenzene (µg/L)	5/22/2009	EW-4/39955	0.650	0.160	
1,4-Dichlorobenzene (µg/L)	9/24/2009	EW-4/40080	0.520	0.160	
1,4-Dichlorobenzene (µg/L)	3/25/2010	EW-4/40262	0.430	0.083	J
1,4-Dichlorobenzene (µg/L)	3/25/2010	EW-4/40262	0.430	0.083	
1,4-Dichlorobenzene (µg/L)	5/17/2010	EW-4/40315	0.550	0.083	
1,4-Dichlorobenzene (µg/L)	9/29/2010	EW-4/40450	0.580	0.062	J
1,4-Dichlorobenzene (µg/L)	12/ 6/2010	EW-4/40518	0.470	0.062	J
1,4-Dichlorobenzene (µg/L)	3/ 1/2011	EW-4/40603	0.580	0.062	J
1,4-Dichlorobenzene (µg/L)	5/24/2011	EW-4/40687	0.420	0.062	J
1,4-Dichlorobenzene (µg/L)	9/15/2011	EW-4/40801	0.660	0.062	J

Historical Detected VOCs in Groundwater Extraction System Wells

Company: San Benito County **Data Group:** None
Site: John Smith Road Landfill **Date Range:** All thru 4q12
Program: SBC Groundwater **Permit:** WDR 2010-0021

Parameter (Unit)	Date	Sample ID	Result Value	Detection Limit	Code
1,4-Dichlorobenzene (µg/L)	11/ 7/2011	EW-4/40854	0.720	0.062	
1,4-Dichlorobenzene (µg/L)	3/12/2012	EW-4/40980	0.510	0.062	J
1,4-Dichlorobenzene (µg/L)	5/16/2012	EW-4/41045	0.430	0.062	J
1,4-Dichlorobenzene (µg/L)	9/ 7/2012	EW-4/41159	0.620	0.062	
1,4-Dichlorobenzene (µg/L)	10/30/2012	EW-4/41212	0.410	0.062	J
Acetone (µg/L)	8/ 7/2002	EW-4/37475	2.000	1.800	J,P
Acetone (µg/L)	8/28/2003	EW-4/37861	1.900	1.800	J
Acetone (µg/L)	1/29/2004	EW-4/38015	3.100	1.800	J
Acetone (µg/L)	5/13/2004	EW-4/38120	1.800	1.800	J,A
Acetone (µg/L)	7/22/2004	EW-4/38190	2.300	1.800	J
Acetone (µg/L)	10/18/2005	EW-4/38643	81.000	76.000	
Acetone (µg/L)	5/15/2006	EW-4/38852	2.400	1.900	J
Acetone (µg/L)	9/22/2006	EW-4/38982	1.100	0.960	J
Acetone (µg/L)	11/13/2006	EW-4/39034	1.700	0.960	J,A
Acetone (µg/L)	3/25/2010	EW-4/40262	6.200	4.600	
Acetone (µg/L)	3/25/2010	EW-4/40262	6.200	4.600	J
Benzene (µg/L)	8/30/2000	EW-4/36768	0.498	0.050	J
Benzene (µg/L)	2/15/2001	EW-4/36937	0.559	0.050	J
Benzene (µg/L)	9/ 7/2001	EW-4/37141	0.520	0.050	J
Benzene (µg/L)	1/31/2002	EW-4/37287	0.530	0.050	J
Benzene (µg/L)	8/ 7/2002	EW-4/37475	0.430	0.050	J
Benzene (µg/L)	8/ 7/2002	EW-4/37475	0.400	0.050	J,P
Benzene (µg/L)	11/13/2002	EW-4/37573	0.500	0.050	J
Benzene (µg/L)	1/30/2003	EW-4/37651	0.420	0.050	J
Benzene (µg/L)	5/13/2003	EW-4/37754	0.370	0.250	J
Benzene (µg/L)	8/28/2003	EW-4/37861	0.380	0.050	J
Benzene (µg/L)	11/12/2003	EW-4/37937	0.330	0.050	J
Benzene (µg/L)	1/29/2004	EW-4/38015	0.390	0.050	J
Benzene (µg/L)	5/13/2004	EW-4/38120	0.370	0.050	J
Benzene (µg/L)	7/22/2004	EW-4/38190	0.360	0.050	J
Benzene (µg/L)	11/11/2004	EW-4/38302	0.390	0.050	J
Benzene (µg/L)	1/27/2005	EW-4/38379	0.570	0.050	J
Benzene (µg/L)	5/17/2005	EW-4/38489	0.270	0.160	
Benzene (µg/L)	5/17/2005	EW-4/38489	0.270	0.160	J
Benzene (µg/L)	7/26/2005	EW-4/38559	0.340	0.064	J
Benzene (µg/L)	1/20/2006	EW-4/38737	0.320	0.160	J
Benzene (µg/L)	5/15/2006	EW-4/38852	0.310	0.160	J
Benzene (µg/L)	9/22/2006	EW-4/38982	0.630	0.150	J
Benzene (µg/L)	11/13/2006	EW-4/39034	0.250	0.150	J
Benzene (µg/L)	1/31/2007	EW-4/39113	0.320	0.140	J
Benzene (µg/L)	5/25/2007	EW-4/39227	0.350	0.140	J
Benzene (µg/L)	9/18/2007	EW-4/39343	0.380	0.120	J
Benzene (µg/L)	11/14/2007	EW-4/39400	0.280	0.120	J
Benzene (µg/L)	2/15/2008	EW-4/39493	0.410	0.320	J
Benzene (µg/L)	9/30/2008	EW-4/39721	0.310	0.180	J
Benzene (µg/L)	11/ 7/2008	EW-4/39759	0.310	0.180	J
Benzene (µg/L)	5/22/2009	EW-4/39955	0.340	0.180	J
Benzene (µg/L)	9/24/2009	EW-4/40080	0.310	0.180	J
Benzene (µg/L)	12/10/2009	EW-4/40157	0.340	0.086	J
Benzene (µg/L)	3/25/2010	EW-4/40262	0.280	0.086	
Benzene (µg/L)	3/25/2010	EW-4/40262	0.280	0.086	J
Benzene (µg/L)	5/17/2010	EW-4/40315	0.320	0.086	
Benzene (µg/L)	9/29/2010	EW-4/40450	0.260	0.083	J
Benzene (µg/L)	12/ 6/2010	EW-4/40518	0.330	0.083	J

Historical Detected VOCs in Groundwater Extraction System Wells

Company:	San Benito County	**Data Group:**	None
Site:	John Smith Road Landfill	**Date Range:**	All thru 4q12
Program:	SBC Groundwater	**Permit:**	WDR 2010-0021

Parameter (Unit)	Date	Sample ID	Result Value	Detection Limit	Code
Benzene (µg/L)	3/ 1/2011	EW-4/40603	0.350	0.083	J
Benzene (µg/L)	9/15/2011	EW-4/40801	0.260	0.083	J
Benzene (µg/L)	11/ 7/2011	EW-4/40854	0.450	0.083	J
Benzene (µg/L)	3/12/2012	EW-4/40980	0.350	0.083	J
Benzene (µg/L)	5/16/2012	EW-4/41045	0.300	0.083	J
Benzene (µg/L)	9/ 7/2012	EW-4/41159	0.330	0.083	J
Benzene (µg/L)	10/30/2012	EW-4/41212	0.280	0.083	J
Bromodichloromethane (µg/L)	10/18/2005	EW-4/38643	32.000	6.800	
Bromoform (µg/L)	9/24/2009	EW-4/40080	0.500	0.240	
Bromomethane (µg/L)	5/13/2003	EW-4/37754	3.900	0.950	B,J
Carbon disulfide (µg/L)	1/31/2002	EW-4/37287	1.600	1.400	J
Carbon disulfide (µg/L)	9/22/2006	EW-4/38982	1.600	0.290	B,J
Chlorobenzene (µg/L)	12/17/1999	EW-4/36511	5.030	0.000	
Chlorobenzene (µg/L)	6/16/2000	EW-4/36693	3.920	1.000	
Chlorobenzene (µg/L)	8/30/2000	EW-4/36768	3.700	0.070	
Chlorobenzene (µg/L)	2/15/2001	EW-4/36937	3.830	0.070	
Chlorobenzene (µg/L)	9/ 7/2001	EW-4/37141	3.300	0.070	
Chlorobenzene (µg/L)	1/31/2002	EW-4/37287	3.400	0.070	
Chlorobenzene (µg/L)	8/ 7/2002	EW-4/37475	2.900	0.070	
Chlorobenzene (µg/L)	8/ 7/2002	EW-4/37475	2.800	0.070	P
Chlorobenzene (µg/L)	11/13/2002	EW-4/37573	3.000	0.070	
Chlorobenzene (µg/L)	1/30/2003	EW-4/37651	3.100	0.070	
Chlorobenzene (µg/L)	5/13/2003	EW-4/37754	2.100	0.350	J
Chlorobenzene (µg/L)	8/28/2003	EW-4/37861	2.300	0.070	
Chlorobenzene (µg/L)	11/12/2003	EW-4/37937	2.100	0.070	
Chlorobenzene (µg/L)	1/29/2004	EW-4/38015	2.400	0.070	
Chlorobenzene (µg/L)	5/13/2004	EW-4/38120	2.300	0.070	
Chlorobenzene (µg/L)	7/22/2004	EW-4/38190	2.000	0.070	
Chlorobenzene (µg/L)	11/11/2004	EW-4/38302	2.300	0.070	
Chlorobenzene (µg/L)	1/27/2005	EW-4/38379	2.600	0.070	
Chlorobenzene (µg/L)	5/17/2005	EW-4/38489	1.800	0.170	
Chlorobenzene (µg/L)	5/17/2005	EW-4/38489	1.800	0.170	
Chlorobenzene (µg/L)	7/26/2005	EW-4/38559	1.900	0.065	
Chlorobenzene (µg/L)	1/20/2006	EW-4/38737	2.200	0.170	
Chlorobenzene (µg/L)	5/15/2006	EW-4/38852	1.400	0.170	
Chlorobenzene (µg/L)	9/22/2006	EW-4/38982	2.400	0.150	
Chlorobenzene (µg/L)	11/13/2006	EW-4/39034	1.300	0.150	
Chlorobenzene (µg/L)	1/31/2007	EW-4/39113	1.800	0.120	
Chlorobenzene (µg/L)	5/25/2007	EW-4/39227	2.000	0.110	
Chlorobenzene (µg/L)	9/18/2007	EW-4/39343	2.400	0.110	
Chlorobenzene (µg/L)	11/14/2007	EW-4/39400	1.900	0.110	
Chlorobenzene (µg/L)	2/15/2008	EW-4/39493	2.800	0.290	
Chlorobenzene (µg/L)	5/22/2008	EW-4/39590	1.900	0.290	
Chlorobenzene (µg/L)	9/30/2008	EW-4/39721	2.100	0.140	
Chlorobenzene (µg/L)	11/ 7/2008	EW-4/39759	2.000	0.140	
Chlorobenzene (µg/L)	5/22/2009	EW-4/39955	2.200	0.140	
Chlorobenzene (µg/L)	9/24/2009	EW-4/40080	2.100	0.130	
Chlorobenzene (µg/L)	12/10/2009	EW-4/40157	2.400	0.081	
Chlorobenzene (µg/L)	3/25/2010	EW-4/40262	1.900	0.081	
Chlorobenzene (µg/L)	3/25/2010	EW-4/40262	1.900	0.081	
Chlorobenzene (µg/L)	9/29/2010	EW-4/40450	2.200	0.093	
Chlorobenzene (µg/L)	12/ 6/2010	EW-4/40518	2.100	0.093	
Chlorobenzene (µg/L)	3/ 1/2011	EW-4/40603	2.400	0.093	
Chlorobenzene (µg/L)	5/24/2011	EW-4/40687	2.000	0.093	

Historical Detected VOCs in Groundwater Extraction System Wells

Company: San Benito County **Data Group:** None
Site: John Smith Road Landfill **Date Range:** All thru 4q12
Program: SBC Groundwater **Permit:** WDR 2010-0021

Parameter (Unit)	Date	Sample ID	Result Value	Detection Limit	Code
Chlorobenzene (µg/L)	9/15/2011	EW-4/40801	2.200	0.093	
Chlorobenzene (µg/L)	11/ 7/2011	EW-4/40854	2.400	0.093	
Chlorobenzene (µg/L)	3/12/2012	EW-4/40980	2.300	0.093	
Chlorobenzene (µg/L)	5/16/2012	EW-4/41045	2.200	0.093	
Chlorobenzene (µg/L)	9/ 7/2012	EW-4/41159	2.600	0.093	
Chlorobenzene (µg/L)	10/30/2012	EW-4/41212	2.200	0.093	
Chloroethane (µg/L)	8/30/2000	EW-4/36768	0.360	0.110	J
Chloroethane (µg/L)	2/15/2001	EW-4/36937	0.398	0.110	J
Chloroethane (µg/L)	9/ 7/2001	EW-4/37141	0.280	0.110	J
Chloroethane (µg/L)	1/31/2002	EW-4/37287	0.410	0.110	J
Chloroethane (µg/L)	8/ 7/2002	EW-4/37475	0.210	0.110	J,P
Chloroethane (µg/L)	11/13/2002	EW-4/37573	0.260	0.110	J
Chloroethane (µg/L)	1/30/2003	EW-4/37651	0.210	0.110	J
Chloroethane (µg/L)	8/28/2003	EW-4/37861	0.260	0.110	J
Chloroethane (µg/L)	1/29/2004	EW-4/38015	0.150	0.110	J
Chloroethane (µg/L)	7/22/2004	EW-4/38190	0.140	0.110	J
Chloroform (µg/L)	10/18/2005	EW-4/38643	980.000	6.400	
Chloroform (µg/L)	1/20/2006	EW-4/38737	1.100	0.160	
Chloroform (µg/L)	9/22/2006	EW-4/38982	0.270	0.081	J
Chloromethane (µg/L)	8/28/2003	EW-4/37861	0.250	0.140	J
Chloromethane (µg/L)	5/17/2005	EW-4/38489	0.980	0.300	
Chloromethane (µg/L)	5/17/2005	EW-4/38489	0.980	0.300	J
Chloromethane (µg/L)	10/18/2005	EW-4/38643	12.000	12.000	
cis-1,2-Dichloroethene (µg/L)	12/28/1995	EW-4/35061	34.000	0.000	
cis-1,2-Dichloroethene (µg/L)	12/17/1999	EW-4/36511	32.500	0.000	
cis-1,2-Dichloroethene (µg/L)	6/16/2000	EW-4/36693	24.900	1.000	
cis-1,2-Dichloroethene (µg/L)	8/30/2000	EW-4/36768	22.000	0.090	
cis-1,2-Dichloroethene (µg/L)	2/15/2001	EW-4/36937	26.000	0.090	
cis-1,2-Dichloroethene (µg/L)	9/ 7/2001	EW-4/37141	22.000	0.090	
cis-1,2-Dichloroethene (µg/L)	1/31/2002	EW-4/37287	36.000	0.090	
cis-1,2-Dichloroethene (µg/L)	8/ 7/2002	EW-4/37475	28.000	0.090	
cis-1,2-Dichloroethene (µg/L)	8/ 7/2002	EW-4/37475	22.000	0.090	P
cis-1,2-Dichloroethene (µg/L)	11/13/2002	EW-4/37573	28.000	0.090	
cis-1,2-Dichloroethene (µg/L)	1/30/2003	EW-4/37651	25.000	0.090	
cis-1,2-Dichloroethene (µg/L)	5/13/2003	EW-4/37754	18.000	0.450	
cis-1,2-Dichloroethene (µg/L)	8/28/2003	EW-4/37861	22.000	0.090	
cis-1,2-Dichloroethene (µg/L)	11/12/2003	EW-4/37937	18.000	0.090	
cis-1,2-Dichloroethene (µg/L)	1/29/2004	EW-4/38015	21.000	0.090	
cis-1,2-Dichloroethene (µg/L)	5/13/2004	EW-4/38120	19.000	0.090	
cis-1,2-Dichloroethene (µg/L)	7/22/2004	EW-4/38190	17.000	0.090	
cis-1,2-Dichloroethene (µg/L)	11/11/2004	EW-4/38302	19.000	0.090	
cis-1,2-Dichloroethene (µg/L)	1/27/2005	EW-4/38379	28.000	0.090	
cis-1,2-Dichloroethene (µg/L)	5/17/2005	EW-4/38489	13.000	0.150	
cis-1,2-Dichloroethene (µg/L)	5/17/2005	EW-4/38489	13.000	0.150	
cis-1,2-Dichloroethene (µg/L)	7/26/2005	EW-4/38559	15.000	0.075	
cis-1,2-Dichloroethene (µg/L)	10/18/2005	EW-4/38643	17.000	6.000	
cis-1,2-Dichloroethene (µg/L)	1/20/2006	EW-4/38737	15.000	0.150	
cis-1,2-Dichloroethene (µg/L)	5/15/2006	EW-4/38852	12.000	0.150	
cis-1,2-Dichloroethene (µg/L)	9/22/2006	EW-4/38982	26.000	0.200	
cis-1,2-Dichloroethene (µg/L)	11/13/2006	EW-4/39034	9.900	0.200	
cis-1,2-Dichloroethene (µg/L)	1/31/2007	EW-4/39113	12.000	0.200	
cis-1,2-Dichloroethene (µg/L)	5/25/2007	EW-4/39227	13.000	0.130	
cis-1,2-Dichloroethene (µg/L)	9/18/2007	EW-4/39343	15.000	0.110	
cis-1,2-Dichloroethene (µg/L)	11/14/2007	EW-4/39400	13.000	0.110	

Historical Detected VOCs in Groundwater Extraction System Wells

Company:	San Benito County	**Data Group:**	None
Site:	John Smith Road Landfill	**Date Range:**	All thru 4q12
Program:	SBC Groundwater	**Permit:**	WDR 2010-0021

Parameter (Unit)	Date	Sample ID	Result Value	Detection Limit	Code
cis-1,2-Dichloroethene (µg/L)	2/15/2008	EW-4/39493	19.000	0.320	
cis-1,2-Dichloroethene (µg/L)	5/22/2008	EW-4/39590	12.000	0.320	
cis-1,2-Dichloroethene (µg/L)	9/30/2008	EW-4/39721	14.000	0.320	
cis-1,2-Dichloroethene (µg/L)	11/ 7/2008	EW-4/39759	16.000	0.320	
cis-1,2-Dichloroethene (µg/L)	5/22/2009	EW-4/39955	15.000	0.320	
cis-1,2-Dichloroethene (µg/L)	9/24/2009	EW-4/40080	14.000	0.320	
cis-1,2-Dichloroethene (µg/L)	12/10/2009	EW-4/40157	16.000	0.110	
cis-1,2-Dichloroethene (µg/L)	3/25/2010	EW-4/40262	13.000	0.110	
cis-1,2-Dichloroethene (µg/L)	3/25/2010	EW-4/40262	13.000	0.110	
cis-1,2-Dichloroethene (µg/L)	5/17/2010	EW-4/40315	16.000	0.110	
cis-1,2-Dichloroethene (µg/L)	9/29/2010	EW-4/40450	16.000	0.085	
cis-1,2-Dichloroethene (µg/L)	12/ 6/2010	EW-4/40518	16.000	0.085	
cis-1,2-Dichloroethene (µg/L)	3/ 1/2011	EW-4/40603	18.000	0.085	
cis-1,2-Dichloroethene (µg/L)	5/24/2011	EW-4/40687	17.000	0.085	
cis-1,2-Dichloroethene (µg/L)	9/15/2011	EW-4/40801	14.000	0.085	
cis-1,2-Dichloroethene (µg/L)	11/ 7/2011	EW-4/40854	21.000	0.085	
cis-1,2-Dichloroethene (µg/L)	3/12/2012	EW-4/40980	20.000	0.085	
cis-1,2-Dichloroethene (µg/L)	5/16/2012	EW-4/41045	15.000	0.085	
cis-1,2-Dichloroethene (µg/L)	9/ 7/2012	EW-4/41159	19.000	0.085	
cis-1,2-Dichloroethene (µg/L)	10/30/2012	EW-4/41212	16.000	0.085	
Di-isopropyl ether (µg/L)	9/30/2008	EW-4/39721	0.200	0.180	J
Dibromochloromethane (µg/L)	10/18/2005	EW-4/38643	11.000	6.800	
Dibromochloromethane (µg/L)	9/30/2008	EW-4/39721	1.800	0.230	
Dibromochloromethane (µg/L)	9/24/2009	EW-4/40080	0.380	0.230	J
Dichlorodifluoromethane (µg/L)	9/ 7/2001	EW-4/37141	0.880	0.090	J
Dichlorodifluoromethane (µg/L)	8/28/2003	EW-4/37861	1.100	0.090	
Dichlorodifluoromethane (µg/L)	7/22/2004	EW-4/38190	0.590	0.090	J
Dichlorodifluoromethane (µg/L)	9/29/2010	EW-4/40450	0.350	0.099	J
Dichlorodifluoromethane (µg/L)	12/ 6/2010	EW-4/40518	0.300	0.099	J
Dichlorodifluoromethane (µg/L)	5/24/2011	EW-4/40687	0.540	0.099	
Dichlorodifluoromethane (µg/L)	3/12/2012	EW-4/40980	1.100	0.099	
Dichlorodifluoromethane (µg/L)	5/16/2012	EW-4/41045	0.290	0.099	J
Methane (µg/L)	8/28/2006	EW-4/38957	723000.000	26000.000	
Methyl tert-butyl ether (µg/L)	8/30/2000	EW-4/36768	0.214	0.080	J
Methyl tert-butyl ether (µg/L)	2/15/2001	EW-4/36937	0.273	0.080	J
Methyl tert-butyl ether (µg/L)	9/ 7/2001	EW-4/37141	0.230	0.080	J
Methyl tert-butyl ether (µg/L)	1/31/2002	EW-4/37287	0.350	0.080	J
Methyl tert-butyl ether (µg/L)	8/ 7/2002	EW-4/37475	0.330	0.080	J
Methyl tert-butyl ether (µg/L)	8/ 7/2002	EW-4/37475	0.240	0.080	J,P
Methyl tert-butyl ether (µg/L)	11/13/2002	EW-4/37573	0.310	0.080	J
Methyl tert-butyl ether (µg/L)	1/30/2003	EW-4/37651	0.290	0.080	J
Methyl tert-butyl ether (µg/L)	8/28/2003	EW-4/37861	0.780	0.080	J
Methyl tert-butyl ether (µg/L)	11/12/2003	EW-4/37937	0.420	0.080	J
Methyl tert-butyl ether (µg/L)	1/29/2004	EW-4/38015	0.360	0.080	J
Methyl tert-butyl ether (µg/L)	5/13/2004	EW-4/38120	0.440	0.080	J
Methyl tert-butyl ether (µg/L)	7/22/2004	EW-4/38190	0.430	0.080	J
Methyl tert-butyl ether (µg/L)	11/11/2004	EW-4/38302	0.320	0.080	J
Methyl tert-butyl ether (µg/L)	1/27/2005	EW-4/38379	1.300	0.080	
Methyl tert-butyl ether (µg/L)	5/17/2005	EW-4/38489	0.400	0.250	
Methyl tert-butyl ether (µg/L)	5/17/2005	EW-4/38489	0.400	0.250	J
Methyl tert-butyl ether (µg/L)	7/26/2005	EW-4/38559	0.590	0.081	J
Methyl tert-butyl ether (µg/L)	1/20/2006	EW-4/38737	0.460	0.250	J
Methyl tert-butyl ether (µg/L)	5/15/2006	EW-4/38852	1.100	0.250	J
Methyl tert-butyl ether (µg/L)	11/13/2006	EW-4/39034	1.100	0.120	

Historical Detected VOCs in Groundwater Extraction System Wells

Company:	San Benito County	**Data Group:**	None
Site:	John Smith Road Landfill	**Date Range:**	All thru 4q12
Program:	SBC Groundwater	**Permit:**	WDR 2010-0021

Parameter (Unit)	Date	Sample ID	Result Value	Detection Limit	Code
Methyl tert-butyl ether (µg/L)	1/31/2007	EW-4/39113	0.880	0.130	
Methyl tert-butyl ether (µg/L)	5/25/2007	EW-4/39227	0.710	0.130	
Methyl tert-butyl ether (µg/L)	9/18/2007	EW-4/39343	0.660	0.130	
Methyl tert-butyl ether (µg/L)	11/14/2007	EW-4/39400	0.530	0.130	
Methyl tert-butyl ether (µg/L)	2/15/2008	EW-4/39493	0.600	0.260	
Methyl tert-butyl ether (µg/L)	5/22/2008	EW-4/39590	0.480	0.260	J
Methyl tert-butyl ether (µg/L)	9/30/2008	EW-4/39721	0.450	0.220	J
Methyl tert-butyl ether (µg/L)	11/ 7/2008	EW-4/39759	0.490	0.220	J
Methyl tert-butyl ether (µg/L)	5/22/2009	EW-4/39955	0.510	0.220	
Methyl tert-butyl ether (µg/L)	9/24/2009	EW-4/40080	0.500	0.220	
Methyl tert-butyl ether (µg/L)	12/10/2009	EW-4/40157	0.620	0.110	
Methyl tert-butyl ether (µg/L)	3/25/2010	EW-4/40262	0.460	0.110	
Methyl tert-butyl ether (µg/L)	3/25/2010	EW-4/40262	0.460	0.110	J
Methyl tert-butyl ether (µg/L)	5/17/2010	EW-4/40315	0.490	0.110	
Methyl tert-butyl ether (µg/L)	9/29/2010	EW-4/40450	0.420	0.110	J
Methyl tert-butyl ether (µg/L)	12/ 6/2010	EW-4/40518	0.400	0.110	J
Methyl tert-butyl ether (µg/L)	3/ 1/2011	EW-4/40603	0.470	0.110	J
Methyl tert-butyl ether (µg/L)	5/24/2011	EW-4/40687	0.410	0.110	J
Methyl tert-butyl ether (µg/L)	9/15/2011	EW-4/40801	0.470	0.110	J
Methyl tert-butyl ether (µg/L)	11/ 7/2011	EW-4/40854	1.300	0.110	
Methyl tert-butyl ether (µg/L)	3/12/2012	EW-4/40980	0.560	0.110	J
Methyl tert-butyl ether (µg/L)	5/16/2012	EW-4/41045	0.450	0.110	J
Methyl tert-butyl ether (µg/L)	9/ 7/2012	EW-4/41159	0.610	0.110	
Methyl tert-butyl ether (µg/L)	10/30/2012	EW-4/41212	0.540	0.110	
Methylene chloride (µg/L)	8/30/2000	EW-4/36768	0.212	0.060	J
Methylene chloride (µg/L)	9/ 7/2001	EW-4/37141	0.077	0.060	A,J
Methylene chloride (µg/L)	8/ 7/2002	EW-4/37475	0.073	0.060	J,P
Methylene chloride (µg/L)	11/13/2002	EW-4/37573	0.095	0.060	A,J
Methylene chloride (µg/L)	1/29/2004	EW-4/38015	0.240	0.060	B,J
Methylene chloride (µg/L)	11/11/2004	EW-4/38302	0.088	0.060	B,J,A
Methylene chloride (µg/L)	10/18/2005	EW-4/38643	34.000	13.000	
Methylene chloride (µg/L)	9/22/2006	EW-4/38982	0.370	0.170	B,J
Naphthalene (µg/L)	8/28/2003	EW-4/37861	0.170	0.100	B,J
Naphthalene (µg/L)	7/26/2005	EW-4/38559	0.120	0.080	B,J
sec-Butylbenzene (µg/L)	9/22/2006	EW-4/38982	0.240	0.043	J
Tert-butyl alcohol (µg/L)	5/25/2007	EW-4/39227	18.000	9.300	
Tert-butyl alcohol (µg/L)	9/18/2007	EW-4/39343	21.000	9.300	
Tert-butyl alcohol (µg/L)	2/15/2008	EW-4/39493	28.000	8.600	
Tert-butyl alcohol (µg/L)	5/22/2008	EW-4/39590	17.000	8.600	
Tert-butyl alcohol (µg/L)	9/30/2008	EW-4/39721	19.000	9.200	
Tert-butyl alcohol (µg/L)	5/22/2009	EW-4/39955	18.000	9.200	
Tert-butyl alcohol (µg/L)	3/25/2010	EW-4/40262	17.000	9.400	
Tert-butyl alcohol (µg/L)	3/25/2010	EW-4/40262	17.000	9.400	
Tert-butyl alcohol (µg/L)	9/29/2010	EW-4/40450	18.000	9.400	
Tert-butyl alcohol (µg/L)	12/ 6/2010	EW-4/40518	22.000	9.400	
Tert-butyl alcohol (µg/L)	3/ 1/2011	EW-4/40603	24.000	9.400	
Tert-butyl alcohol (µg/L)	3/12/2012	EW-4/40980	17.000	9.400	
Tert-butyl alcohol (µg/L)	5/16/2012	EW-4/41045	13.000	9.400	
Tert-butyl alcohol (µg/L)	9/ 7/2012	EW-4/41159	22.000	9.400	
Tert-butyl alcohol (µg/L)	10/30/2012	EW-4/41212	19.000	9.400	
Tetrachloroethene (µg/L)	12/28/1995	EW-4/35061	8.100	0.000	
Tetrachloroethene (µg/L)	12/17/1999	EW-4/36511	11.100	0.000	
Tetrachloroethene (µg/L)	6/16/2000	EW-4/36693	9.140	1.000	
Tetrachloroethene (µg/L)	8/30/2000	EW-4/36768	8.210	0.080	

Historical Detected VOCs in Groundwater Extraction System Wells

Company:	San Benito County	**Data Group:**	None
Site:	John Smith Road Landfill	**Date Range:**	All thru 4q12
Program:	SBC Groundwater	**Permit:**	WDR 2010-0021

Parameter (Unit)	Date	Sample ID	Result Value	Detection Limit	Code
Tetrachloroethene (µg/L)	2/15/2001	EW-4/36937	6.370	0.080	
Tetrachloroethene (µg/L)	9/ 7/2001	EW-4/37141	3.300	0.080	
Tetrachloroethene (µg/L)	1/31/2002	EW-4/37287	2.500	0.080	
Tetrachloroethene (µg/L)	8/ 7/2002	EW-4/37475	1.300	0.080	
Tetrachloroethene (µg/L)	8/ 7/2002	EW-4/37475	1.400	0.080	P
Tetrachloroethene (µg/L)	11/13/2002	EW-4/37573	0.960	0.080	J
Tetrachloroethene (µg/L)	1/30/2003	EW-4/37651	0.750	0.080	J
Tetrachloroethene (µg/L)	5/13/2003	EW-4/37754	0.520	0.400	J
Tetrachloroethene (µg/L)	8/28/2003	EW-4/37861	0.510	0.080	J
Tetrachloroethene (µg/L)	11/12/2003	EW-4/37937	0.240	0.080	J
Tetrachloroethene (µg/L)	1/29/2004	EW-4/38015	0.200	0.080	J
Tetrachloroethene (µg/L)	5/13/2004	EW-4/38120	0.200	0.080	J
Tetrachloroethene (µg/L)	7/22/2004	EW-4/38190	0.130	0.080	J
Tetrachloroethene (µg/L)	11/11/2004	EW-4/38302	0.130	0.080	J
Tetrachloroethene (µg/L)	1/27/2005	EW-4/38379	0.095	0.080	J
Tetrachloroethene (µg/L)	7/26/2005	EW-4/38559	0.250	0.120	J
Tetrachloroethene (µg/L)	1/31/2007	EW-4/39113	0.180	0.180	J
Tetrachloroethene (µg/L)	5/25/2007	EW-4/39227	0.320	0.110	J
Tetrachloroethene (µg/L)	9/18/2007	EW-4/39343	0.590	0.110	
Tetrachloroethene (µg/L)	11/14/2007	EW-4/39400	0.420	0.110	J
Tetrachloroethene (µg/L)	2/15/2008	EW-4/39493	0.780	0.280	
Tetrachloroethene (µg/L)	5/22/2008	EW-4/39590	0.700	0.280	
Tetrachloroethene (µg/L)	9/30/2008	EW-4/39721	0.810	0.280	J
Tetrachloroethene (µg/L)	11/ 7/2008	EW-4/39759	0.670	0.280	
Tetrachloroethene (µg/L)	5/22/2009	EW-4/39955	0.690	0.280	
Tetrachloroethene (µg/L)	9/24/2009	EW-4/40080	0.950	0.280	
Tetrachloroethene (µg/L)	12/10/2009	EW-4/40157	1.100	0.130	
Tetrachloroethene (µg/L)	3/25/2010	EW-4/40262	0.550	0.130	J
Tetrachloroethene (µg/L)	3/25/2010	EW-4/40262	0.550	0.130	
Tetrachloroethene (µg/L)	5/17/2010	EW-4/40315	0.920	0.130	
Tetrachloroethene (µg/L)	9/29/2010	EW-4/40450	0.930	0.130	J
Tetrachloroethene (µg/L)	12/ 6/2010	EW-4/40518	0.870	0.130	
Tetrachloroethene (µg/L)	3/ 1/2011	EW-4/40603	1.100	0.130	
Tetrachloroethene (µg/L)	5/24/2011	EW-4/40687	0.880	0.130	
Tetrachloroethene (µg/L)	11/ 7/2011	EW-4/40854	1.000	0.130	
Tetrachloroethene (µg/L)	3/12/2012	EW-4/40980	1.500	0.130	
Tetrachloroethene (µg/L)	5/16/2012	EW-4/41045	1.000	0.130	
Tetrachloroethene (µg/L)	9/ 7/2012	EW-4/41159	1.400	0.130	
Tetrachloroethene (µg/L)	10/30/2012	EW-4/41212	1.200	0.130	
Toluene (µg/L)	8/30/2000	EW-4/36768	0.204	0.070	J
Toluene (µg/L)	2/15/2001	EW-4/36937	0.250	0.070	J
Toluene (µg/L)	9/ 7/2001	EW-4/37141	0.240	0.070	J
Toluene (µg/L)	8/28/2003	EW-4/37861	2.300	0.070	
Toluene (µg/L)	11/12/2003	EW-4/37937	0.160	0.070	J
Toluene (µg/L)	1/29/2004	EW-4/38015	0.170	0.070	J
Toluene (µg/L)	5/13/2004	EW-4/38120	0.100	0.070	J
Toluene (µg/L)	1/27/2005	EW-4/38379	0.094	0.070	J
Toluene (µg/L)	5/22/2009	EW-4/39955	0.900	0.120	
Toluene (µg/L)	3/25/2010	EW-4/40262	26.000	0.093	
Toluene (µg/L)	3/25/2010	EW-4/40262	26.000	0.093	
Toluene (µg/L)	9/15/2011	EW-4/40801	1.400	0.093	
Toluene (µg/L)	11/ 7/2011	EW-4/40854	3.100	0.093	
trans-1,2-Dichloroethene (µg/L)	6/16/2000	EW-4/36693	1.020	1.000	
trans-1,2-Dichloroethene (µg/L)	8/30/2000	EW-4/36768	0.892	0.090	J

Historical Detected VOCs in Groundwater Extraction System Wells

Company:	San Benito County	**Data Group:**	None
Site:	John Smith Road Landfill	**Date Range:**	All thru 4q12
Program:	SBC Groundwater	**Permit:**	WDR 2010-0021

Parameter (Unit)	Date	Sample ID	Result Value	Detection Limit	Code
trans-1,2-Dichloroethene (µg/L)	2/15/2001	EW-4/36937	0.964	0.090	J
trans-1,2-Dichloroethene (µg/L)	9/ 7/2001	EW-4/37141	0.750	0.090	J
trans-1,2-Dichloroethene (µg/L)	1/31/2002	EW-4/37287	1.300	0.090	
trans-1,2-Dichloroethene (µg/L)	8/ 7/2002	EW-4/37475	0.870	0.090	J
trans-1,2-Dichloroethene (µg/L)	8/ 7/2002	EW-4/37475	0.740	0.090	J,P
trans-1,2-Dichloroethene (µg/L)	11/13/2002	EW-4/37573	0.910	0.090	J
trans-1,2-Dichloroethene (µg/L)	1/30/2003	EW-4/37651	0.850	0.090	J
trans-1,2-Dichloroethene (µg/L)	5/13/2003	EW-4/37754	0.630	0.450	J
trans-1,2-Dichloroethene (µg/L)	8/28/2003	EW-4/37861	0.800	0.090	J
trans-1,2-Dichloroethene (µg/L)	11/12/2003	EW-4/37937	0.630	0.090	J
trans-1,2-Dichloroethene (µg/L)	1/29/2004	EW-4/38015	0.710	0.090	J
trans-1,2-Dichloroethene (µg/L)	5/13/2004	EW-4/38120	0.680	0.090	J
trans-1,2-Dichloroethene (µg/L)	7/22/2004	EW-4/38190	0.690	0.090	J
trans-1,2-Dichloroethene (µg/L)	11/11/2004	EW-4/38302	0.750	0.090	J
trans-1,2-Dichloroethene (µg/L)	1/27/2005	EW-4/38379	1.300	0.090	
trans-1,2-Dichloroethene (µg/L)	5/17/2005	EW-4/38489	0.540	0.150	
trans-1,2-Dichloroethene (µg/L)	5/17/2005	EW-4/38489	0.540	0.150	J
trans-1,2-Dichloroethene (µg/L)	7/26/2005	EW-4/38559	0.610	0.074	J
trans-1,2-Dichloroethene (µg/L)	1/20/2006	EW-4/38737	0.540	0.150	J
trans-1,2-Dichloroethene (µg/L)	5/15/2006	EW-4/38852	0.530	0.150	J
trans-1,2-Dichloroethene (µg/L)	9/22/2006	EW-4/38982	1.400	0.280	
trans-1,2-Dichloroethene (µg/L)	11/13/2006	EW-4/39034	0.390	0.280	J
trans-1,2-Dichloroethene (µg/L)	1/31/2007	EW-4/39113	0.500	0.180	
trans-1,2-Dichloroethene (µg/L)	5/25/2007	EW-4/39227	0.580	0.180	
trans-1,2-Dichloroethene (µg/L)	9/18/2007	EW-4/39343	0.660	0.140	
trans-1,2-Dichloroethene (µg/L)	11/14/2007	EW-4/39400	0.530	0.140	
trans-1,2-Dichloroethene (µg/L)	2/15/2008	EW-4/39493	0.800	0.320	
trans-1,2-Dichloroethene (µg/L)	5/22/2008	EW-4/39590	0.450	0.320	J
trans-1,2-Dichloroethene (µg/L)	9/30/2008	EW-4/39721	0.700	0.140	J
trans-1,2-Dichloroethene (µg/L)	11/ 7/2008	EW-4/39759	0.630	0.140	
trans-1,2-Dichloroethene (µg/L)	5/22/2009	EW-4/39955	0.700	0.140	
trans-1,2-Dichloroethene (µg/L)	9/24/2009	EW-4/40080	0.600	0.140	
trans-1,2-Dichloroethene (µg/L)	12/10/2009	EW-4/40157	0.780	0.097	
trans-1,2-Dichloroethene (µg/L)	3/25/2010	EW-4/40262	0.530	0.097	J
trans-1,2-Dichloroethene (µg/L)	3/25/2010	EW-4/40262	0.530	0.097	
trans-1,2-Dichloroethene (µg/L)	5/17/2010	EW-4/40315	0.690	0.097	
trans-1,2-Dichloroethene (µg/L)	9/29/2010	EW-4/40450	0.610	0.150	J
trans-1,2-Dichloroethene (µg/L)	12/ 6/2010	EW-4/40518	0.660	0.150	
trans-1,2-Dichloroethene (µg/L)	3/ 1/2011	EW-4/40603	0.770	0.150	J
trans-1,2-Dichloroethene (µg/L)	5/24/2011	EW-4/40687	0.690	0.150	
trans-1,2-Dichloroethene (µg/L)	9/15/2011	EW-4/40801	0.610	0.150	J
trans-1,2-Dichloroethene (µg/L)	11/ 7/2011	EW-4/40854	1.100	0.150	
trans-1,2-Dichloroethene (µg/L)	3/12/2012	EW-4/40980	0.850	0.150	J
trans-1,2-Dichloroethene (µg/L)	5/16/2012	EW-4/41045	0.670	0.150	
trans-1,2-Dichloroethene (µg/L)	9/ 7/2012	EW-4/41159	0.850	0.150	
trans-1,2-Dichloroethene (µg/L)	10/30/2012	EW-4/41212	0.630	0.150	
Trichloroethene (µg/L)	12/17/1999	EW-4/36511	18.100	0.000	
Trichloroethene (µg/L)	6/16/2000	EW-4/36693	16.100	1.000	
Trichloroethene (µg/L)	8/30/2000	EW-4/36768	14.900	0.060	
Trichloroethene (µg/L)	2/15/2001	EW-4/36937	15.600	0.060	
Trichloroethene (µg/L)	9/ 7/2001	EW-4/37141	12.000	0.060	
Trichloroethene (µg/L)	1/31/2002	EW-4/37287	15.000	0.060	
Trichloroethene (µg/L)	8/ 7/2002	EW-4/37475	13.000	0.060	
Trichloroethene (µg/L)	8/ 7/2002	EW-4/37475	12.000	0.060	P

Historical Detected VOCs in Groundwater Extraction System Wells

Company:	San Benito County	**Data Group:**	None
Site:	John Smith Road Landfill	**Date Range:**	All thru 4q12
Program:	SBC Groundwater	**Permit:**	WDR 2010-0021

Parameter (Unit)	Date	Sample ID	Result Value	Detection Limit	Code
Trichloroethene (µg/L)	11/13/2002	EW-4/37573	16.000	0.060	
Trichloroethene (µg/L)	1/30/2003	EW-4/37651	16.000	0.060	
Trichloroethene (µg/L)	5/13/2003	EW-4/37754	12.000	0.300	
Trichloroethene (µg/L)	8/28/2003	EW-4/37861	14.000	0.060	
Trichloroethene (µg/L)	11/12/2003	EW-4/37937	11.000	0.060	
Trichloroethene (µg/L)	1/29/2004	EW-4/38015	13.000	0.060	
Trichloroethene (µg/L)	5/13/2004	EW-4/38120	14.000	0.060	
Trichloroethene (µg/L)	7/22/2004	EW-4/38190	12.000	0.060	
Trichloroethene (µg/L)	11/11/2004	EW-4/38302	14.000	0.060	
Trichloroethene (µg/L)	1/27/2005	EW-4/38379	15.000	0.060	
Trichloroethene (µg/L)	5/17/2005	EW-4/38489	9.400	0.160	
Trichloroethene (µg/L)	5/17/2005	EW-4/38489	9.400	0.160	
Trichloroethene (µg/L)	7/26/2005	EW-4/38559	11.000	0.120	
Trichloroethene (µg/L)	10/18/2005	EW-4/38643	9.800	6.400	
Trichloroethene (µg/L)	1/20/2006	EW-4/38737	11.000	0.160	
Trichloroethene (µg/L)	5/15/2006	EW-4/38852	10.000	0.160	
Trichloroethene (µg/L)	9/22/2006	EW-4/38982	16.000	0.120	J
Trichloroethene (µg/L)	11/13/2006	EW-4/39034	8.400	0.120	
Trichloroethene (µg/L)	1/31/2007	EW-4/39113	11.000	0.180	
Trichloroethene (µg/L)	5/25/2007	EW-4/39227	11.000	0.130	
Trichloroethene (µg/L)	9/18/2007	EW-4/39343	15.000	0.130	
Trichloroethene (µg/L)	11/14/2007	EW-4/39400	13.000	0.130	
Trichloroethene (µg/L)	2/15/2008	EW-4/39493	17.000	0.190	
Trichloroethene (µg/L)	5/22/2008	EW-4/39590	12.000	0.190	
Trichloroethene (µg/L)	9/30/2008	EW-4/39721	16.000	0.160	
Trichloroethene (µg/L)	11/ 7/2008	EW-4/39759	15.000	0.160	
Trichloroethene (µg/L)	5/22/2009	EW-4/39955	16.000	0.160	
Trichloroethene (µg/L)	9/24/2009	EW-4/40080	14.000	0.130	
Trichloroethene (µg/L)	12/10/2009	EW-4/40157	16.000	0.130	
Trichloroethene (µg/L)	3/25/2010	EW-4/40262	14.000	0.130	
Trichloroethene (µg/L)	3/25/2010	EW-4/40262	14.000	0.130	
Trichloroethene (µg/L)	5/17/2010	EW-4/40315	13.000	0.130	
Trichloroethene (µg/L)	9/29/2010	EW-4/40450	15.000	0.085	
Trichloroethene (µg/L)	12/ 6/2010	EW-4/40518	13.000	0.085	
Trichloroethene (µg/L)	3/ 1/2011	EW-4/40603	15.000	0.085	
Trichloroethene (µg/L)	5/24/2011	EW-4/40687	14.000	0.085	
Trichloroethene (µg/L)	9/15/2011	EW-4/40801	16.000	0.085	
Trichloroethene (µg/L)	11/ 7/2011	EW-4/40854	17.000	0.085	
Trichloroethene (µg/L)	3/12/2012	EW-4/40980	18.000	0.085	
Trichloroethene (µg/L)	5/16/2012	EW-4/41045	14.000	0.085	
Trichloroethene (µg/L)	9/ 7/2012	EW-4/41159	17.000	0.085	
Trichloroethene (µg/L)	10/30/2012	EW-4/41212	14.000	0.085	
Vinyl chloride (µg/L)	12/28/1995	EW-4/35061	10.000	0.000	
Vinyl chloride (µg/L)	12/17/1999	EW-4/36511	7.240	0.000	
Vinyl chloride (µg/L)	6/16/2000	EW-4/36693	7.290	1.000	
Vinyl chloride (µg/L)	8/30/2000	EW-4/36768	7.390	0.060	
Vinyl chloride (µg/L)	2/15/2001	EW-4/36937	8.480	0.060	
Vinyl chloride (µg/L)	9/ 7/2001	EW-4/37141	4.900	0.060	
Vinyl chloride (µg/L)	1/31/2002	EW-4/37287	12.000	0.060	
Vinyl chloride (µg/L)	8/ 7/2002	EW-4/37475	5.500	0.060	
Vinyl chloride (µg/L)	8/ 7/2002	EW-4/37475	4.100	0.060	P
Vinyl chloride (µg/L)	11/13/2002	EW-4/37573	5.900	0.060	
Vinyl chloride (µg/L)	1/30/2003	EW-4/37651	4.900	0.060	
Vinyl chloride (µg/L)	5/13/2003	EW-4/37754	2.400	0.300	J

Historical Detected VOCs in Groundwater Extraction System Wells

Company:	San Benito County	**Data Group:**	None
Site:	John Smith Road Landfill	**Date Range:**	All thru 4q12
Program:	SBC Groundwater	**Permit:**	WDR 2010-0021

Parameter (Unit)	Date	Sample ID	Result Value	Detection Limit	Code
Vinyl chloride (µg/L)	8/28/2003	EW-4/37861	4.000	0.060	
Vinyl chloride (µg/L)	11/12/2003	EW-4/37937	3.000	0.060	
Vinyl chloride (µg/L)	1/29/2004	EW-4/38015	3.900	0.060	
Vinyl chloride (µg/L)	5/13/2004	EW-4/38120	3.300	0.060	
Vinyl chloride (µg/L)	7/22/2004	EW-4/38190	3.200	0.060	
Vinyl chloride (µg/L)	11/11/2004	EW-4/38302	3.000	0.060	
Vinyl chloride (µg/L)	1/27/2005	EW-4/38379	4.500	0.060	
Vinyl chloride (µg/L)	5/17/2005	EW-4/38489	1.800	0.380	
Vinyl chloride (µg/L)	5/17/2005	EW-4/38489	1.800	0.380	
Vinyl chloride (µg/L)	7/26/2005	EW-4/38559	2.400	0.120	
Vinyl chloride (µg/L)	1/20/2006	EW-4/38737	2.400	0.380	
Vinyl chloride (µg/L)	5/15/2006	EW-4/38852	3.600	0.170	
Vinyl chloride (µg/L)	9/22/2006	EW-4/38982	5.400	0.140	
Vinyl chloride (µg/L)	11/13/2006	EW-4/39034	1.200	0.140	
Vinyl chloride (µg/L)	1/31/2007	EW-4/39113	2.100	0.160	
Vinyl chloride (µg/L)	5/25/2007	EW-4/39227	3.100	0.140	
Vinyl chloride (µg/L)	9/18/2007	EW-4/39343	3.400	0.140	
Vinyl chloride (µg/L)	11/14/2007	EW-4/39400	3.100	0.140	
Vinyl chloride (µg/L)	2/15/2008	EW-4/39493	4.700	0.340	
Vinyl chloride (µg/L)	5/22/2008	EW-4/39590	2.600	0.340	
Vinyl chloride (µg/L)	9/30/2008	EW-4/39721	3.900	0.160	
Vinyl chloride (µg/L)	11/ 7/2008	EW-4/39759	3.500	0.160	
Vinyl chloride (µg/L)	5/22/2009	EW-4/39955	3.300	0.160	
Vinyl chloride (µg/L)	9/24/2009	EW-4/40080	3.300	0.160	
Vinyl chloride (µg/L)	12/10/2009	EW-4/40157	3.500	0.140	
Vinyl chloride (µg/L)	3/25/2010	EW-4/40262	2.700	0.140	
Vinyl chloride (µg/L)	3/25/2010	EW-4/40262	2.700	0.140	
Vinyl chloride (µg/L)	5/17/2010	EW-4/40315	3.600	0.140	
Vinyl chloride (µg/L)	9/29/2010	EW-4/40450	3.000	0.120	
Vinyl chloride (µg/L)	12/ 6/2010	EW-4/40518	3.200	0.120	
Vinyl chloride (µg/L)	3/ 1/2011	EW-4/40603	3.800	0.120	
Vinyl chloride (µg/L)	5/24/2011	EW-4/40687	2.500	0.120	
Vinyl chloride (µg/L)	9/15/2011	EW-4/40801	2.600	0.120	
Vinyl chloride (µg/L)	11/ 7/2011	EW-4/40854	3.900	0.120	
Vinyl chloride (µg/L)	3/12/2012	EW-4/40980	3.600	0.120	
Vinyl chloride (µg/L)	5/16/2012	EW-4/41045	3.100	0.120	
Vinyl chloride (µg/L)	9/ 7/2012	EW-4/41159	3.600	0.120	
Vinyl chloride (µg/L)	10/30/2012	EW-4/41212	2.800	0.120	

EW-5

Volatile Organic Compounds

1,2-Dichloropropane (µg/L)	9/24/2009	EW-5/40080	0.180	0.160	J
1,2-Dichloropropane (µg/L)	9/29/2010	EW-5/40450	0.150	0.130	J
1,2-Dichloropropane (µg/L)	9/15/2011	EW-5/40801	0.150	0.130	J
1,2-Dichloropropane (µg/L)	11/ 7/2011	EW-5/40854	0.670	0.130	
1,3,5-Trimethylbenzene (µg/L)	3/18/2010	EW-5/40255	0.270	0.160	J
2-Butanone (µg/L)	5/17/2010	EW-5/40315	21.000	2.500	
2-Butanone (µg/L)	5/17/2010	EW-5/40315	21.000	2.500	
2-Butanone (µg/L)	11/ 7/2011	EW-5/40854	62000.000	620.000	L
2-Butanone (µg/L)	11/17/2011	EW-5/40864	70.000	12.000	L
Acetone (µg/L)	5/17/2010	EW-5/40315	12.000	4.600	
Acetone (µg/L)	5/17/2010	EW-5/40315	12.000	4.600	
Acetone (µg/L)	11/ 7/2011	EW-5/40854	29000.000	460.000	L
Acetone (µg/L)	11/17/2011	EW-5/40864	530.000	4.600	

Historical Detected VOCs in Groundwater Extraction System Wells

Company:	San Benito County	**Data Group:**	None
Site:	John Smith Road Landfill	**Date Range:**	All thru 4q12
Program:	SBC Groundwater	**Permit:**	WDR 2010-0021

Parameter (Unit)	Date	Sample ID	Result Value	Detection Limit	Code
Bromoform (µg/L)	9/24/2009	EW-5/40080	0.310	0.240	J
cis-1,2-Dichloroethene (µg/L)	9/30/2008	EW-5/39721	1.700	0.320	
cis-1,2-Dichloroethene (µg/L)	11/ 7/2008	EW-5/39759	2.100	0.320	
cis-1,2-Dichloroethene (µg/L)	5/22/2009	EW-5/39955	3.100	0.320	
cis-1,2-Dichloroethene (µg/L)	9/24/2009	EW-5/40080	2.200	0.320	
cis-1,2-Dichloroethene (µg/L)	12/14/2009	EW-5/40161	1.600	0.110	
cis-1,2-Dichloroethene (µg/L)	3/18/2010	EW-5/40255	0.850	0.110	J
cis-1,2-Dichloroethene (µg/L)	5/17/2010	EW-5/40315	0.520	0.110	
cis-1,2-Dichloroethene (µg/L)	5/17/2010	EW-5/40315	0.520	0.110	
cis-1,2-Dichloroethene (µg/L)	9/29/2010	EW-5/40450	0.900	0.085	J
cis-1,2-Dichloroethene (µg/L)	12/ 6/2010	EW-5/40518	0.620	0.085	
cis-1,2-Dichloroethene (µg/L)	3/ 1/2011	EW-5/40603	0.450	0.085	J
cis-1,2-Dichloroethene (µg/L)	5/24/2011	EW-5/40687	0.440	0.085	J
cis-1,2-Dichloroethene (µg/L)	9/15/2011	EW-5/40801	1.200	0.085	
cis-1,2-Dichloroethene (µg/L)	11/ 7/2011	EW-5/40854	5.500	0.085	
cis-1,2-Dichloroethene (µg/L)	11/17/2011	EW-5/40864	1.100	0.085	
cis-1,2-Dichloroethene (µg/L)	3/12/2012	EW-5/40980	1.100	0.085	
cis-1,2-Dichloroethene (µg/L)	5/16/2012	EW-5/41045	0.430	0.085	J
cis-1,2-Dichloroethene (µg/L)	9/ 7/2012	EW-5/41159	1.100	0.085	
cis-1,2-Dichloroethene (µg/L)	10/30/2012	EW-5/41212	0.640	0.085	
Dibromochloromethane (µg/L)	9/24/2009	EW-5/40080	0.290	0.230	J
Dichlorodifluoromethane (µg/L)	3/18/2010	EW-5/40255	0.170	0.110	J
Methyl tert-butyl ether (µg/L)	9/30/2008	EW-5/39721	0.360	0.220	J
Methyl tert-butyl ether (µg/L)	11/ 7/2008	EW-5/39759	0.420	0.220	J
Methyl tert-butyl ether (µg/L)	5/22/2009	EW-5/39955	0.590	0.220	
Methyl tert-butyl ether (µg/L)	9/24/2009	EW-5/40080	0.650	0.220	
Methyl tert-butyl ether (µg/L)	12/14/2009	EW-5/40161	0.490	0.110	J
Methyl tert-butyl ether (µg/L)	3/18/2010	EW-5/40255	0.280	0.110	J
Methyl tert-butyl ether (µg/L)	9/29/2010	EW-5/40450	0.220	0.110	J
Methyl tert-butyl ether (µg/L)	12/ 6/2010	EW-5/40518	0.130	0.110	J
Methyl tert-butyl ether (µg/L)	9/15/2011	EW-5/40801	0.280	0.110	J
Methyl tert-butyl ether (µg/L)	11/ 7/2011	EW-5/40854	1.600	0.110	
Methyl tert-butyl ether (µg/L)	9/ 7/2012	EW-5/41159	0.310	0.110	J
Methyl tert-butyl ether (µg/L)	10/30/2012	EW-5/41212	0.300	0.110	J
Tetrachloroethene (µg/L)	12/14/2009	EW-5/40161	0.220	0.130	J
Tetrachloroethene (µg/L)	11/ 7/2011	EW-5/40854	0.320	0.130	J
Tetrachloroethene (µg/L)	3/12/2012	EW-5/40980	0.190	0.130	J
Tetrachloroethene (µg/L)	9/ 7/2012	EW-5/41159	0.190	0.130	J
Tetrachloroethene (µg/L)	10/30/2012	EW-5/41212	0.140	0.130	J
Toluene (µg/L)	11/ 7/2011	EW-5/40854	0.280	0.093	J
Trichloroethene (µg/L)	9/30/2008	EW-5/39721	0.970	0.160	J
Trichloroethene (µg/L)	11/ 7/2008	EW-5/39759	1.000	0.160	
Trichloroethene (µg/L)	5/22/2009	EW-5/39955	1.600	0.160	
Trichloroethene (µg/L)	9/24/2009	EW-5/40080	1.400	0.130	
Trichloroethene (µg/L)	12/14/2009	EW-5/40161	1.000	0.130	
Trichloroethene (µg/L)	3/18/2010	EW-5/40255	0.400	0.130	J
Trichloroethene (µg/L)	5/17/2010	EW-5/40315	0.230	0.130	
Trichloroethene (µg/L)	5/17/2010	EW-5/40315	0.230	0.130	
Trichloroethene (µg/L)	9/29/2010	EW-5/40450	0.560	0.085	J
Trichloroethene (µg/L)	12/ 6/2010	EW-5/40518	0.330	0.085	J
Trichloroethene (µg/L)	3/ 1/2011	EW-5/40603	0.250	0.085	J
Trichloroethene (µg/L)	5/24/2011	EW-5/40687	0.250	0.085	J
Trichloroethene (µg/L)	9/15/2011	EW-5/40801	1.000	0.085	
Trichloroethene (µg/L)	11/ 7/2011	EW-5/40854	3.000	0.085	

Historical Detected VOCs in Groundwater Extraction System Wells

Company:	San Benito County	**Data Group:**	None
Site:	John Smith Road Landfill	**Date Range:**	All thru 4q12
Program:	SBC Groundwater	**Permit:**	WDR 2010-0021

Parameter (Unit)	Date	Sample ID	Result Value	Detection Limit	Code
Trichloroethene (µg/L)	11/17/2011	EW-5/40864	0.630	0.085	J
Trichloroethene (µg/L)	3/12/2012	EW-5/40980	0.630	0.085	J
Trichloroethene (µg/L)	5/16/2012	EW-5/41045	0.300	0.085	J
Trichloroethene (µg/L)	9/ 7/2012	EW-5/41159	0.720	0.085	
Trichloroethene (µg/L)	10/30/2012	EW-5/41212	0.440	0.085	J
Vinyl chloride (µg/L)	9/30/2008	EW-5/39721	0.350	0.160	J
Vinyl chloride (µg/L)	11/ 7/2008	EW-5/39759	0.320	0.160	J
Vinyl chloride (µg/L)	5/22/2009	EW-5/39955	0.370	0.160	J
Vinyl chloride (µg/L)	9/24/2009	EW-5/40080	0.440	0.160	J
Vinyl chloride (µg/L)	11/ 7/2011	EW-5/40854	0.560	0.120	

End of report

APPENDIX I

Historical Groundwater Elevation

CLASS I AREA WELLS
GROUNDWATER ELEVATIONS (FT - MSL)

DATE		E-1	E-2	E-3	E-5	E-6	E-7	E-8	E-9	E-12	E-13	E-14	E-15	E-16	E-17		G-24
6/9/87		732.57	698.14	697.80	665.98	668.95	632.53	698.02	736.04	731.13	731.15	734.59	710.44	709.58			
7/21/87		732.38	698.41	697.69	665.76	668.98	632.11	697.88	735.96	731.01	731.02	734.57	BURIED	BURIED			
12/23/87		731.74	698.17	697.02	665.51	NS	631.73	697.21	735.37	731.03	731.09	734.05	709.64	709.72			
3/2/88		NM	NM	NM	665.75	NS	632.01	NM	NM	NM	NM	NM	709.58	708.58			
6/13/88		NM	NM	NM	665.21	NS	630.76	NM	NM	NM	NM	NM	705.06	703.34			
8/25/88		NM	NM	NM	664.75	NS	630.33	NM	NM	NM	NM	NM	704.92	703.17			
1/23/89		NM	NM	NM	664.28	NS	631.48	NM	NM	NM	NM	NM	704.40	702.98			
3/3/89		NM	NM	NM	664.29	NS	630.88	NM	NM	NM	NM	NM	704.52	702.85			
4/28/89		NM	NM	NM	664.60	NS	630.52	NM	NM	NM	NM	NM	703.33	702.67			
7/31/89		NM	NM	NM	664.54	NS	628.76	NM	NM	NM	NM	NM	704.11	702.99			
9/25/89		730.26	695.98	694.48				694.71	733.85	730.36	730.43	732.63	708.02	707.52	694.69		
11/7/89					664.28	NS	629.80										
12/12/89		730.03	694.97	694.13				694.26	733.39	729.74	729.78	732.18	707.53	707.17	694.34		
2/5/90					DRY	NS	630.33										
3/14/90		729.77	694.89	693.99				694.22	733.01	729.74	729.81	731.99	707.45	707.23	694.19		
5/14/90					663.92	NS	629.91										
6/11/90		729.63	694.83	693.80				694.01	732.90	729.47	729.60	731.76	707.26	707.06	694.97		
7/16/90					663.89	668.20	629.51										
9/18/90		729.45	694.83	693.56				693.75	732.58	729.47	729.60	731.38	707.17	706.78	694.76		
11/26/90					665.05	668.19	629.52										
12/11/90		729.32	694.48	693.30				693.49	732.26	729.34	729.41	731.12	705.46	706.50	693.43		
2/26/91					DRY	668.19	629.38										
3/11/91		729.24	694.40	693.28				693.37	732.10	729.33	729.40	731.20	703.65	706.32	693.34		
6/4/91					665.69	668.25	631.73										
6/10/91		NA	694.49	693.26				693.53	731.90	729.05	729.04	730.77	703.91	706.27	693.52		
8/14/91					665.67	668.21	630.50										
9/16/91		728.85	694.59	693.36				693.47	731.68	729.02	729.11	730.63	706.36	706.27	693.44		
11/21/91					665.61	668.08	629.63										
12/16/91		728.73	694.22	692.95				692.16	731.37	729.83	728.90	730.37	705.96	706.09	693.13		
2/21/92					665.79	668.14	632.14										
3/30/92		728.67	694.69	692.95				692.17	731.23	728.93	729.03	730.20	706.18	706.01	693.17		
4/3/92					665.84	668.20	633.04										
5/11/92					NA	667.02	631.91										
6/17/92		NA	695.18	693.22				693.50	731.16	728.90	728.90	730.23	705.88	706.17	693.42		
7/10/92					665.77	668.17	630.83										
8/10/92					665.77	668.14	629.80										
9/14/92		728.32	695.43	693.17				693.35	731.33	728.19	728.29	730.37	706.43	706.36	693.36		
11/9/92					NA	667.96	629.76										
12/14/92		728.17	694.76	692.71				692.92	730.84	728.10	728.18	729.99	706.10	705.89	692.91		
2/22/93					NA	669.10	637.79										
3/15/93		728.37	693.37	693.98				694.19	731.03	728.62	728.79	730.14	705.84	706.22	694.13		
5/10/93					NA	670.16	631.19										
6/14/93		728.78	697.35	696.34				696.59	731.96	728.98	729.05	731.24	706.96	706.82	696.56		
7/30/93					NA	670.09	627.68										
9/13/93		729.16	698.80	697.03				697.11	732.50	729.21	729.24	731.84	707.34	707.05	697.20		
11/2/93					NA	670.13	626.32										
12/14/93		729.14	697.37	696.52				696.75	732.52	728.95	729.25	731.68	705.68	707.10	696.62		
2/22/94					NA	670.34	628.99										
3/30/94		728.87	696.64	695.93				696.14	731.94	729.04	729.14	731.28	707.05	706.77	696.15		
5/24/94		728.74	696.61	695.73	NA	670.33	631.86	696.11	730.95	728.12	729.23	730.17	707.86	706.82	695.94		
5/27/94		728.74	696.61	695.73													
8/4/94		729.57	695.00	693.80	NA	669.29	631.11	694.62	729.18	728.83	728.03	730.05			694.49		711.34
8/12/94		729.57	695.00	693.80				694.62	729.18	728.83	728.03	730.05	NA	706.67	694.49		
12/26/94		727.66	695.30	694.35	NA	668.89	627.90	693.83	730.23	726.93	726.40	728.04	703.55	705.86	694.62		DRY
2/16/95		726.02	695.59	695.68	NA	670.48	629.49	695.50	730.58	727.52	725.51	729.56	706.96	706.96	694.78		712.17
5/15/95		728.82	696.78	696.10	NA	670.91	633.96	696.32	732.92	729.13	729.18	731.63	708.43	707.76	696.29		712.12
8/16/95		729.25	697.75	697.26	**DECOM**	670.87	634.41	697.47	733.20	729.51	729.58	732.27	709.66	709.15	697.49		712.22
12/7/95		729.42	697.75	697.30		667.86	627.64	697.54	733.21	729.99	730.03	732.23	709.61	708.99	697.51		712.36
3/11/96		NM	698.06	697.30		669.20	633.18	697.52	733.13	730.40	730.46	732.05	709.70	709.16	697.51		712.40
5/21/96		730.21	698.45	NM		667.60	630.89	698.13	734.48	730.62	730.71	733.31	710.00	709.46	698.12		712.81
8/12/96		730.49	698.29	698.09		668.04	630.08	698.32	734.89	731.22	731.29	733.77	710.63	709.97	698.28		712.81
12/17/96		730.44	698.18	698.10		**DECOM**	**DECOM**	698.18	734.51	731.19	731.15	733.68	710.55	709.69	698.22		712.76
3/18/97		731.33	699.15	699.10				699.32	735.66	732.40	732.03	733.77	711.33	710.67	699.02		712.90
6/25/97		735.07	701.75	701.00				701.32	738.93	NA	736.33	738.10	716.81	715.17	701.19		714.28
Apr-98		741.75	707.32	704.58				704.85	743.43	740.87	740.86	742.86	725.22	722.60	704.81		NA
Jul-98		741.69	708.56	707.00				707.24	743.11	743.01	743.10	743.27	727.43	726.06	707.20		723.26
Sep-98		740.32	707.72	706.91				707.16	742.02	743.11	744.15	742.08	726.65	725.75	707.15		724.22
Dec-98		739.06	707.59	706.90				707.14	740.91	742.95	743.00	741.24	724.43	723.57	707.12		724.13
Mar-99		738.01	708.28	707.53				707.79	740.55	742.81	742.88	740.31	722.88	722.42	707.75		724.36
Jun-99		737.48	707.01	706.86				707.13	740.25	742.29	742.33	739.68	721.87	721.46	707.12		724.43
Sep-99		736.49	706.02	705.73				706.00	739.63	741.91	741.93	739.01	720.63	720.29	705.99		723.95
Dec-99		735.41	705.18	705.04				705.31	738.85	741.35	741.39	738.08	719.43	718.97	705.27		723.30

CLASS I AREA WELLS
GROUNDWATER ELEVATIONS (FT - MSL)

DATE		E-1	E-2	E-3	E-5	E-6	E-7	E-8	E-9	E-12	E-13	E-14	E-15	E-16	E-17		G-24
2/15/00		734.88	705.15	705.01				705.27	738.59	741.40	741.41	737.93	718.85	718.49	705.26		722.89
6/13/00		734.16	705.32	705.36				705.53	738.15	740.89	740.88	737.30	719.46	718.97	705.52		722.43
8/28/00		733.63	704.35	704.17				704.37	737.89	740.63	740.61	736.90	718.80	718.38	704.39		721.95
11/22/00		732.93	703.49	703.29				703.55	737.41	740.36	740.37	736.43	718.01	717.60	703.51		721.48
2/14/01		732.67	703.41	702.96				703.23	737.29	740.18	740.16	736.20	717.58	717.24	703.20		721.13
5/15/01		732.25	703.80	703.19				703.47	736.80	739.44	739.67	735.65	718.08	717.66	703.43		720.76
8/14/01		731.81	702.79	702.41				702.67	736.58	739.18	739.18	735.45	717.72	717.25	702.64		720.35
11/20/01		731.35	702.00	701.56				701.82	735.73		738.68	734.68	717.00	716.57	701.81		719.93
1/29/02		731.29	701.76	701.28				701.55	735.92	738.39	738.45	734.75	716.96	716.52	701.54		719.68
4/18/02		730.57	701.42	700.98				701.27	735.58	738.05	738.03	734.48	716.96	716.43	701.24		719.32
8/6/2002		730.83	700.70	700.23				700.51	735.33	737.45	737.45	734.31	716.47	715.99	700.51		718.89
11/12/2002		730.50	700.14	699.58				699.89	734.99	737.21	737.20	733.95	715.96	715.56	699.85		718.53
1/30/2003		730.33	699.70	699.11				699.39	734.70	736.49	736.51	733.65	715.74	715.30	699.35		718.17
5/12/2003		730.03	699.53	699.04				699.34	734.62	736.05	736.11	733.55	715.71	715.19	699.34		717.75
8/20/2003		729.85	698.91	698.73				698.89	734.36	736.09	735.89	733.70	715.21	714.81	698.85		717.51
11/11/2003		729.74	698.29	697.86				698.09	733.97	735.47	735.49	732.92	714.68	714.36	698.14		717.14
1/8/2004		729.54	698.09	697.56				697.88	733.93	735.36	735.41	732.68	714.43	714.22	697.85		716.98
5/10/2004		729.31	698.52	697.85				698.16	733.71	735.15	735.17	732.52	714.60	714.33	698.12		716.66
7/22/2004		729.22	698.31	697.71				697.87	733.60	734.96	735.02	732.37	714.50	714.26	697.86		716.46
11/9/2004		729.05	697.80	696.84				697.03	733.37	734.65	734.70	732.28	714.16	713.86	697.05		716.16
1/27/2005		729.08	698.24	698.89				697.17	733.46	734.82	734.79	732.10	714.23	713.95	697.16		716.14
5/10/2005		728.87	698.62	697.43				698.21	733.48	734.57	734.59	732.35	714.92	714.54	697.62		715.86
7/26/2005		729.02	698.62	697.63				697.89	733.63	734.53	734.50	732.62	715.22	714.90	697.91		715.84
10/6/2005		729.15	698.55	697.50				697.78	734.05	734.61	734.63	732.81	715.26	714.89	697.76		715.92
1/20/2006		729.00	698.48	696.89				697.18	733.69	734.64	734.69	732.52	714.78	714.46	697.17		715.75
5/8/2006		728.96	698.79	697.28				697.39	733.68	734.68	734.83	732.63	715.16	714.71	697.42		715.80
9/22/2006		729.55	698.81	697.56				697.88	734.55	734.90	734.92	733.22	715.49	715.19	697.83		715.80
11/9/2006		729.27	698.35	696.94				697.24	734.28	734.80	734.78	733.02	715.19	714.80	697.28		715.67
1/30/2007		729.43	698.52	697.01				697.30	734.31	734.99	735.02	733.01	715.11	714.81	697.25		715.90
5/23/2007		729.15	698.54	696.62				696.95		734.90	734.96	732.82	714.69	714.44	696.89		715.68
11/13/2007		728.87	697.86	695.81				696.09	733.23	734.31	734.39	731.22	713.86	712.43	696.09		715.40
5/12/2008		728.53	697.72	695.57				695.87	732.96	733.85	733.91	731.82	714.61	714.61	695.84		715.17
11/4/2008		728.07	697.35	693.19				695.36	732.43	733.30	733.39	731.36	713.86	713.77	695.32		714.77
5/22/2009		728.85	698.11	695.99				696.18	733.30	734.12	732.82	731.93	714.88	714.87	695.29		715.81
12/10/2009		727.58	696.52	694.20				694.52	731.72	732.06	732.20	730.67	714.29	714.11	694.46		714.25
5/4/2010		727.45	696.10	692.02				694.70	727.65	728.51	731.99	730.44	714.94	717.61	694.39		714.13
12/7/2010		726.07	696.83	694.20				694.54	731.08	731.41	731.48	730.20	715.81	717.27	694.47		714.66
5/24/2011		727.08	696.90	691.78				694.77	729.79	731.03	731.05	729.06	715.56	715.44	695.23		713.72
11/7/2011		727.21	696.81	692.41				695.45	731.65	732.47	732.46	730.64	717.34	712.90	694.42		713.85
5/16/2012		726.76	696.47	691.37				693.28	728.86	730.51	730.01	728.42	717.48	714.74	694.70		712.59
10/30/2012		727.34	696.14	691.90				694.54	727.80	728.38	731.91	730.07	716.36	717.40	694.22		713.72
TOC EL.-2000		787.27	780.20	799.30				801.22	788.53	798.43	799.13	786.95	762.06	763.17	787.19		765.78

CLASS III AREA WELLS
GROUNDWATER ELEVATIONS (Ft.-MSL)

DATE	W-1	W-2	W-3	W-4	W-5	W-6	W-7	WA-8	WA-9	WA-10	WA-11	WA-12	WA-13	WA-14	WA-15
6/9/87	?644.36	716.20	694.12	666.80	675.53	630.50	626.90								
7/21/87	?642.13	716.70	693.43	666.83	675.37	629.97	626.16								
12/23/87	672.08	716.83	693.21	666.93	675.04	629.79	626.54								
3/2/88	674.60	716.88	693.32	666.96	674.80	630.21	627.25								
6/13/88	676.44	716.70	693.26	666.92	674.24	628.38	622.85	618.63	620.89	618.72	623.04				
8/25/88	677.11	716.64	693.24	666.87	674.02	627.38	620.97	617.57	619.50	617.59	621.05				
1/23/89	678.04	716.52	693.06	666.92	673.79	629.71	622.25	617.49	619.80	617.33	621.64				
3/3/89	678.23	716.29	692.86	665.75	673.64	629.04	621.60	617.46	619.77	617.49	621.31				
4/28/89	678.56	716.06	692.66	665.74	673.62	628.62	622.05	617.53	620.04	617.54	623.01				
7/31/89	678.63	715.93	692.51	664.62	673.44	627.07	620.47	616.38	618.21	616.28	620.91				
11/7/89	678.34	715.62	692.18	665.74	673.12	627.63	620.90	616.27	618.51	616.29	620.42				
2/5/90	677.85	715.27	691.78	665.41	672.75	628.52	622.96	617.18	619.55	617.19	622.05				
5/14/90	677.65	715.25	691.54	665.32	672.59	627.88	622.58	617.23	619.46	617.24	622.67				
7/16/90	677.60	715.08	691.23	665.27	672.41	627.32	620.81	616.29	618.33	616.31	621.16	620.17	619.51	618.44	616.71
11/26/90	671.37	715.05	691.33	665.29	NS	627.08	620.10	615.88	618.11	615.87	619.73	619.55	618.99	618.06	618.24
2/26/91	674.20	714.90	691.34	665.20	NS	626.06	621.24	616.55	618.94	616.55	620.81	620.69	620.18	619.02	618.90
6/4/91	676.19	714.99	691.59	665.30	NS	630.16	625.88	621.38	623.56	621.37	625.72	625.25	624.79	623.90	623.05
8/14/91	676.73	714.98	691.58	665.27	NS	628.62	624.04	619.70	621.94	619.70	624.14	623.53	623.00	621.98	621.62
11/21/91	676.95	714.82	691.60	665.15	NS	627.45	622.00	617.87	620.01	617.91	621.96	621.51	621.07	620.22	620.31
2/21/92	677.61	714.99	691.60	665.23	NS	630.50	626.49	620.96	623.99	620.99	626.89	626.07	625.69	624.53	622.33
4/3/92	677.58	715.02	691.71	665.34	672.13	631.68	627.89	622.63	624.74	622.65	627.47	627.23	626.68	625.28	623.16
5/11/92	678.23	714.88	691.58	665.37	670.96	630.43	626.60	621.80	623.90	620.76	NM	625.91	625.32	624.07	623.43
7/10/92	679.23	714.75	691.68	665.34	672.09	629.02	624.42	620.33	622.44	620.37	625.18	624.49	623.70	622.47	622.27
8/10/92	679.42	714.71	691.68	665.34	672.12	628.03	624.10	619.40	621.45	619.42	624.47	623.45	622.97	621.64	621.94
11/9/92	662.52	714.57	691.15	665.21	672.03	627.99	623.31	618.17	620.57	618.16	623.21	622.61	623.28	620.98	620.92
2/22/93	673.67	714.73	691.44	665.75	673.75	636.16	631.02	625.47	626.35	625.48	630.92	630.07	628.35	626.38	625.77
5/10/93	677.53	714.75	691.60	666.60	675.84	631.00	628.84	623.13	624.87	623.12	629.04	627.83	627.23	625.52	625.01
7/30/93	679.32	714.70	691.50	666.52	676.06	627.15	623.56	618.71	622.42	618.73	624.85	622.53	622.21	621.88	622.93
11/2/93	680.69	714.72	NM	666.58	675.90	625.57	620.19	616.14	618.95	616.17	621.39	619.47	619.25	618.63	619.91
2/22/94	680.38	714.53	700.23	666.43	674.38	628.11	622.43	617.05	621.93	617.18	621.13	621.65	622.04	621.90	620.09
5/24/94	681.56	715.69	692.16	667.58	675.69	629.26	621.12	616.09	618.95	616.20	621.43	620.04	619.84	618.87	619.51
8/4/94	681.63	DRY	688.71	666.07	675.38	629.08	DRY	616.07	616.85	615.23	619.64	618.41	616.85	616.22	617.23
12/26/94	679.52	713.52	702.50	667.26	673.68	627.07	622.51	615.10	620.83	615.23	618.53	620.00	621.13	620.84	619.52
2/16/95	678.58	712.80	700.50	667.42	675.18	629.28	622.51	616.99	621.84	617.09	620.33	621.51	620.10	618.19	619.52
5/15/95	683.37	715.79	705.13	667.88	677.57	632.49	627.02	618.47	623.12	618.55	627.53	625.65	625.34	623.30	622.48
8/16/95	683.88	DRY	706.93	667.89	677.63	632.41	625.03	617.30	621.66	617.38	625.79	623.85	623.33	621.27	621.42
12/7/95	683.87	DRY	707.44	668.17	DRY	627.02	623.29	616.82	621.25	616.88	624.34	622.05	622.45	620.81	620.50
3/11/96	684.09	722.81	712.33	668.13	DRY	631.50	628.00	619.14	625.17	619.19	628.80	629.64	626.57	623.46	623.43
5/21/96	684.73	726.41	718.64	654.47	678.89	630.08	626.57	617.92	622.68	618.03	627.44	624.96	625.04	622.71	622.49
8/12/96	684.86	725.87	717.74	668.59	678.96	628.13	623.97	617.12	621.63	617.24	625.49	622.71	622.87	621.17	621.62
12/17/96	684.53	725.75	717.61	668.35	678.72	628.01	623.23	617.05	621.20	616.92	625.12	622.24	622.13	621.03	621.54
3/18/97	685.49	726.57	718.62	669.34	679.86	628.98	624.75	618.03	622.57	618.45	626.77	623.66	623.91	622.08	622.55
6/25/97	NA	NA	NA	669.87	677.59	DECOM	627.97	620.17	623.95	619.83	628.04	626.86	626.45	623.72	623.53
4/1/98	687.28	741.29	737.42	672.81	685.12		634.26	625.78	627.56	625.85	632.42	632.86	628.75	NM	NM
7/1/98	688.14	737.35	733.78	673.93	686.01		630.60	623.61	626.84	623.66	631.40	630.00	NM	626.40	626.55
9/1/98	688.14	734.91	730.08	674.31	685.57		630.18	622.19	626.23	622.27	630.66	628.72	NM	625.85	625.99
12/1/98	687.81	732.97	727.13	674.51	685.11		631.23	621.58	626.48	621.65	631.82	629.99	629.25	626.80	626.76
3/1/99	687.51	733.80	730.44	674.86	685.22		632.15	623.18	626.18	623.25	632.53	630.50	NA	626.72	626.69
6/1/99	685.13	NA	728.58	674.98	684.72		629.05	621.14	624.40	621.20	629.32	627.76	627.74	624.79	625.12
9/1/99	685.31	726.86	726.45	675.05	686.28		628.76	620.58	624.38	620.68	629.12	627.31	627.47	624.63	624.86
12/1/99	685.41	730.73	724.64	675.07	683.59		628.72	619.89	625.06	619.98	629.65	627.24	627.43	625.50	625.38
2/15/00	685.42	731.45	724.17	675.10	683.48		629.13	619.64	626.17	619.77	630.80	627.66	628.68	625.94	625.48
6/13/00	684.99	731.78	727.55	675.35	683.49		624.80	617.75	622.08	617.88	626.39	623.39	623.69	622.01	623.06
8/28/00	684.65	730.12	726.10	675.34	682.94		621.48	616.64	620.42	616.66	623.39	620.35	620.64	619.67	621.45
11/22/00	684.62	729.51	725.12	675.27	681.38		622.32	616.28	620.47	616.38	623.53	620.82	621.51	619.97	620.63
2/14/01	684.54	729.94	724.69	675.32	681.93		624.59	617.25	622.05	617.36	626.39	622.98	623.42	621.59	621.33
5/15/01	684.20	729.44	728.80	675.22	681.84		620.27	616.66	620.33	616.77	624.33	619.58	620.14	619.59	620.75
8/14/01	684.12	727.80	728.07	675.04	681.41		< 619.0	614.86	618.64	614.91	620.58	617.92	618.16	617.17	618.71
11/20/01	684.08	726.25	725.70	675.07	681.04		620.84	615.15	619.40	615.26	622.03	619.50	620.07	618.37	618.40
1/29/02	684.12	726.32	728.21	675.00	680.79		623.09	616.19	620.37	616.25	623.97	621.42	622.00	619.90	619.31
4/18/02	684.14	724.91	726.50	674.97	680.58		624.08	616.79	621.02	616.90	622.24	622.37	622.84	620.63	619.88
8/6/02	683.59	723.66	725.99	674.76	679.94		< 619.0	615.64	618.91	615.76	622.05	619.22	619.37	618.13	619.15
11/12/02	683.25	722.60	724.86	674.68	679.72		< 619.0	614.85	618.64	614.93	620.65	618.50	619.01	617.72	618.20
1/30/03	682.99	722.87	725.35	674.36	679.24		621.47	616.13	619.98	616.25	622.36	620.36	NM	619.37	618.76
5/12/03	682.76	722.14	726.60	673.95	678.91		622.55	616.50	620.20	616.62	623.44	621.21	621.61	619.92	619.62
8/20/03	682.47	721.78	725.20	673.80	678.70		< 619.0	614.50	617.93	614.63	619.73	617.42	617.46	616.58	617.63
11/11/03	682.32	721.40	723.64	673.46	678.33		< 619.0	613.93	617.70	614.04	618.81	617.06	617.31	616.27	616.69
1/8/04	682.31	721.32	723.14	673.40	678.22		< 619.0	614.35	618.33	614.50	619.50	618.60	618.58	617.22	617.11
5/10/04	682.57	723.43	725.26	673.20	678.53		622.01	616.05	619.78	616.19	623.02	620.75	620.89	619.21	619.27
7/22/04	DECOM	722.33	724.42	673.14	678.32		619.66	614.98	618.07	615.08	621.00	618.65	618.65	617.28	617.84
11/9/04		721.20	722.88	672.96	678.00		< 619.0	614.07	617.74	614.15	619.24	617.77	618.01	616.75	616.85
1/27/05		722.33	723.10	673.27	678.17		620.84	615.53	619.06	615.63	620.95	619.90	619.95	618.53	618.22
5/10/05		726.71	725.74	672.86	678.92		622.93	616.61	620.39	616.71	623.68	621.62	621.99	620.27	619.68
7/26/05		724.62	725.30	672.82	679.01		619.40	615.52	618.92	615.62	626.84	618.71	619.18	618.23	618.69
10/6/05		723.70	724.37	673.11	679.12		< 619.0	614.54	617.66	614.57	620.40	617.47	617.78	616.65	617.48
1/20/06		722.93	723.19	673.03	678.64		620.83	615.62	618.35	615.71	621.58	619.86	620.13	618.66	618.23
5/8/06		728.33	725.06	673.21	679.17		623.71	617.19	620.82	617.31	624.48	622.39	622.71	620.90	620.01
9/22/06		725.06	723.36	673.17	679.21		621.54	616.12	619.11	616.21	622.37	620.28	620.63	618.92	618.77
11/9/06		724.20	722.36	672.73	678.72		621.21	615.39	618.97	615.57	622.09	620.01	620.53	618.97	618.69
1/30/07		723.85	721.90	673.22	678.81		621.17	615.80	619.35	616.05	621.96	620.09	620.58	619.27	619.14
5/23/07		723.30	720.85	673.14	678.56		620.22	615.28	618.38	615.44	621.36	619.19	619.28	617.88	618.55
11/13/07		722.43	748.38x	672.86	678.14		< 619.0	613.38	616.29	613.46	617.83	614.91	614.83	614.72	615.74
5/12/08		721.64	718.15	672.76	677.76		619.85	614.69	617.73	616.80	620.44	618.89	618.52	616.75	616.95
11/4/08		717.99	717.13	672.07	676.89		< 619.0	612.44	615.38	612.58	617.04	614.84	614.84	613.88	614.29
5/22/09		722.12	721.39	672.47	676.90		< 619.0	614.89	618.06	614.95	620.74	619.34	618.64	615.95	616.05
12/10/09		721.01	719.89	672.17	676.45		< 619.0	612.77	615.71	612.90	616.81	615.37	615.44	614.51	614.74
5/4/10		727.32	721.52	672.14	676.76		621.31	615.64	617.90	615.85	619.82	620.78	619.39	617.52	616.73
12/7/10		727.65	721.92	671.85	677.27		619.52	614.17	616.91	613.92	618.12	617.65	617.31	616.25	616.15
5/24/11		720.86	724.28	671.67	676.11		620.00	615.86	618.50	615.93	620.64	620.17	619.53	618.39	617.83
11/7/11		717.25	724.78	671.43	674.99		< 619.40	614.31	616.95	614.32	618.45	617.26	618.09	617.07	616.59
5/16/12		719.67	723.65	671.15	675.69		619.69	614.77	617.31	614.89	618.80	618.44	618.44	617.30	616.95
10/30/12		720.60	720.86	670.94	675.49			612.59	615.19	612.77	616.74	614.82	618.98	617.33	614.61
Casing Elev - 2000	774.83	802.03	856.81	789.87	767.19		639.12	630.47	630.15	630.33	633.34	633.71	628.75	626.92	627.03

CLASS III AREA WELLS
GROUNDWATER ELEVATIONS (Ft.-MSL)

DATE	WA-16	WA-17	WA-18	WA-19	WA-20	WA-21	WA-23A	CP-25	CP-30	CP-31	G-32	G-33	P-1	P-2	P-3
6/9/87															
7/21/87															
12/23/87															
3/2/88															
6/13/88															
8/25/88															
1/23/89															
3/3/89															
4/28/89															
7/31/89															
11/7/89															
2/5/90															
5/14/90															
7/16/90	590.59	638.61	645.14												
11/26/90	624.85	638.47	645.12												
2/26/91	628.50	637.37	644.98												
6/4/91	623.07	638.92	646.12												
8/14/91	609.22	638.26	645.88												
11/21/91	621.67	638.05	645.48												
2/21/92	619.54	638.60	645.58												
4/3/92	599.39	638.93	646.29	659.63											
5/11/92	615.68	637.68	644.91	663.59		ND	ND								
7/10/92	607.71	638.49	646.62	664.22		659.42	663.36								
8/10/92	617.94	638.83	646.48	664.36		663.27	669.71								
11/9/92	617.66	638.41	646.34	664.36		664.78	670.42								
2/22/93	622.77	642.41	649.96	664.52		667.20	672.12								
5/10/93	618.01	640.55	652.32	664.90		670.83	675.93								
7/30/93	625.91	639.79	649.98	664.90	605.95	673.39	NA								
11/2/93	614.01	639.33	NA	664.96	602.73	674.88	680.71								
2/22/94	623.71	638.99	NA	664.54	601.74	675.12	679.83								
5/24/94	616.20	640.32	NA	665.62	600.51	675.98	682.19								
8/4/94	627.41	639.53	644.54	664.69	599.87	676.56	682.41								
12/26/94	622.80	636.79	NA	662.44	NA	NA	NA								
2/16/95	642.26	640.28	NA	664.83	604.89	664.56	668.00								
5/15/95	631.82	643.14	NA	665.79	605.29	663.19	660.96								
8/16/95	633.30	641.48	NA	665.74	603.59	**DECOM**	**DECOM**								
12/7/95	629.43	639.75	NA	665.70	603.25										
3/11/96	630.46	641.43	648.04	665.50	605.49										
5/21/96	632.06	640.93	648.94	665.64	604.44										
8/12/96	631.49	640.18	647.74	665.77	603.27										
12/17/96	**DECOM**	**DECOM**	**DECOM**	665.43	603.05										
3/18/97				666.63	604.13										
6/25/97				665.94	601.27										
4/1/98				666.86	605.89										
7/1/98				667.52	605.80										
9/1/98				668.09	605.70										
12/1/98				668.83	605.83										
3/1/99				670.04	605.88										
6/1/99				670.90	605.58										
9/1/99				671.51	605.49										
12/1/99				672.12	605.81										
2/15/00				672.51	605.84										
6/13/00				673.21	604.36										
8/28/00				673.32	602.95										
11/22/00				673.49	603.50										
2/14/01				673.70	604.52			575.94							
5/15/01				674.00	603.20			576.51							
8/14/01				678.13	602.20			576.03							
11/20/01				674.17	602.17			575.24							
1/29/02				674.16	604.16			573.41							
4/18/02				674.28	603.29			577.57							
8/6/02				674.31	602.16			576.87							
11/12/02				674.18	602.78			575.74							
1/30/03				674.09	604.05			576.31							
5/12/03				674.18	602.94			576.40							
8/20/03				674.10	600.22			574.63							
11/11/03				673.77	600.88			573.99							
1/8/04				673.89	603.03			572.68							
5/10/04				673.88	602.74			576.33	693.19	624.43					
7/22/04				673.75	600.99			576.43	694.62	623.13					
11/9/04				673.43	601.43			574.10	694.91	621.63					
1/27/05				673.68	603.86			572.86	695.28	622.98					
5/10/05				673.46	604.18			577.84	695.32	624.68					
7/26/05				673.44	602.59			578.36	695.37	621.52					
10/6/05				673.49	602.45			577.22	695.61	622.12					
1/20/06				673.23	604.42			576.29	695.83	622.52					
5/8/06				673.45	604.15			576.85	696.32	626.75					
9/22/06				673.48	602.99			578.87	696.67	624.32	620.97	618.98			
11/9/06				673.23	602.49			577.78	696.46	623.87	620.62	618.74			
1/30/07				673.40	603.11			576.25	696.76	623.52	620.15	619.02			
5/23/07				673.34	602.42			578.04	696.97	623.18	619.82	618.30			
11/13/07				673.02	601.74			571.58	697.26	617.11	615.08	614.67			
5/12/08				673.10	601.55			573.72	697.77	623.76	619.77	618.02	704.66	714.83	657.41
11/4/08				672.88	599.67			570.68	697.49	617.87	615.07	614.29	711.12	714.00	**DECOM**
5/22/09				672.81	601.89			574.08	697.55	621.72	618.00	618.05	704.89	715.11	
12/10/09				672.40	600.90			570.51	697.76	621.53	615.79	614.69	713.35	716.13	
5/4/10				672.33	604.47			572.10	697.78	631.97	623.22	620.75	713.74	719.80	
12/7/10				672.10	603.00			574.64	697.45	626.66	618.53	617.26	714.12	720.12	
5/24/11				672.08	603.45			579.94	697.18	628.52	621.52	619.62	717.28	720.00	
11/7/11				671.78	602.42			579.44	697.05	628.09	618.45	616.92	716.05	718.92	
5/16/12				671.94	600.79			578.19	696.78	626.57	620.24	618.30			
10/30/12				671.53	600.54			574.24	696.70	620.82	615.73	614.49	717.67	716.50	
Casing Elev - 20				723.74	610.37			594.29	736.58	672.07	528.45	532.69	745.97	734.25	698.52

APPENDIX J

Soil Gas Equilibrium Concentrations

Theoretical Partitioning of VOCs
From Landfill Gas to Groundwater
Gas Probe GP-2AG - December 20, 2012

Constituent	Landfill Gas Concentrations in GP-2AG 12/20/2012 (ppbv) Cg	Molecular Weight (g/mole) MW	Landfill Gas Concentrations in GP-2A (Calculated) (ug/m3) Cg	Henry's Law Constant (atm-m3/mol) H	Predicted Groundwater Concentration (ug/L) Cw
Acetone	ND	58	--	0.00004	--
Benzene	**26**	78	83.0	0.0056	0.36
1,3-Butadiene	ND	95	--	0.00624	--
2-Butanone (MEK)	ND	72	--	0.00003	--
Carbon Disulfide	ND	76	--	0.0144	--
Chloroethane	ND	65	--	0.011	--
Chloromethane	ND	50	--	0.024	--
Chloroform	ND	119	--	0.00367	--
1,1-Dichloroethane	**68**	99	275.2	0.0056	1.18
1,1-Dichloroethene	ND	97	--	0.026	--
cis -1,2-Dichloroethene	**100**	97	396.6	0.0041	2.32
trans -1,2-Dichloroethene	ND	97	--	0.0094	--
1,2-Dichloropropane	ND	113	--	0.0028	--
1,3-Dichlorobenzene	ND	147	--	0.0019	--
Diisopropyl ether (DIPE)	ND	102	--	--	--
Ethylbenzene	ND	106	--	0.0079	--
4-Ethyl Toluene	ND	120	--	--	--
Dichlorodifluoromethane (Freon 12)	**270**	121	1,335.7	0.10	0.32
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 1	**36**	171	251.7	2.8	0.00
Trichlorofluoromethane (Freon 11)	**26**	137	145.6	0.097	0.04
Trichlorotrifluoroethane (Freon 113)	ND	187	--	0.526	--
n- Hexane	ND	86	--	1.802	--
Isopropyl alcohol (Isopropanol)	ND	60	--	0.0000081	--
4-Methyl-2-Pentanone (MIBK)	ND	100	--	0.00014	--
Methylene Chloride	ND	85	--	0.00220	--
Methyl *tert* -butyl ether (MTBE)	ND	88	--	0.00059	--
Naphthalene	ND	128	--	0.00048	--
Styrene	ND	104	--	0.0028	--
tert- Butyl alcohol (*t*- Butanol)	ND	74	--	0.00001	--
Tetrachloroethene	**250**	166	1,696.6	0.018	2.26
Toluene	ND	92	--	0.0066	--
Trichloroethene	**72**	131	385.6	0.01	0.93
1,1,1-Trichloroethane	ND	133	--	0.0170	--
1,2,4-Trimethylbenzene	ND	120	--	0.0062	--
1,3,5-Trimethylbenzene	ND	120	--	0.0088	--
m,p -Xylenes	ND	106	--	0.0075	--
o -Xylene	ND	106	--	0.0052	--
Vinyl Chloride	**94**	63	242.1	0.027	0.22
Total quantified VOCs	**942.0**				7.62

Notes:

ND = analyte not detected

NA = not analyzed, analyte not on TO-14 compound list

Conversion from ppbv to ug/m3:

ug/m3 = ppbv/24.46*MW

24.46 = molar volume of gas at 25° C (77° F) and 1 atm pressure; MW = molecular weight of compound

ug/m3 = 0.001 ug/L

Henry's Law: Cw = (Cg x 0.024) / 1000 / H

Cw = liquid phase concentration (ug/L)

Cg = vapor phase concentration (ug/m3)

H = Henry's law coefficient (atm-m3/mol)

0.024 = the value for R x T, where R is the Universal Gas Constant and T is degrees Kelvin

1000 = conversion factor for cubic meters to liters

Predicted concentrations in groundwater are calculated at standard temperature (25 degrees C) and pressure (1 atmosphere) conditions.

Theoretical Partitioning of VOCs
From Landfill Gas to Groundwater
Gas Probe GP-3A - December 20, 2012

Constituent	Landfill Gas Concentrations in GP-3A 12/20/2012 (ppbv) Cg	Molecular Weight (g/mole) MW	Landfill Gas Concentrations in GP-3A (Calculated) (ug/m3) Cg	Henry's Law Constant (atm-m3/mol) H	Predicted Groundwater Concentration (ug/L) Cw
Acetone	ND	58	--	0.00004	--
Benzene	ND	78	--	0.0056	--
1,3-Butadiene	ND	95	--	0.00624	--
2-Butanone (MEK)	ND	72	--	0.00003	--
Carbon Disulfide	**4.0**	76	12.4	0.0144	0.02
Chloroethane	ND	65	--	0.011	--
Chloromethane	ND	50	--	0.024	--
Chloroform	ND	119	--	0.00367	--
1,1-Dichloroethane	**1.3**	99	5.3	0.0056	0.02
1,1-Dichloroethene	ND	97	--	0.026	--
cis -1,2-Dichloroethene	**34**	97	134.8	0.0041	0.79
trans -1,2-Dichloroethene	**2.4**	97	9.5	0.0094	0.02
1,2-Dichloropropane	**3.6**	113	16.6	0.0028	0.14
1,3-Dichlorobenzene	ND	147	--	0.0019	--
Diisopropyl ether (DIPE)	ND	102	--	--	--
Ethylbenzene	ND	106	--	0.0079	--
4-Ethyl Toluene	ND	120	--	--	--
Dichlorodifluoromethane (Freon 12)	**16**	121	79.1	0.10	0.02
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 1	ND	171	--	2.8	--
Trichlorofluoromethane (Freon 11)	ND	137	--	0.097	--
Trichlorotrifluoroethane (Freon 113)	ND	187	--	0.526	--
Hexane	ND	86	--	1.802	--
Isopropyl alcohol (Isopropanol)	ND	60	--	0.0000081	--
4-Methyl-2-Pentanone (MIBK)	ND	100	--	0.00014	--
Methylene Chloride	ND	85	--	0.00220	--
Methyl *tert*- butyl ether (MTBE)	ND	88	--	0.00059	--
Naphthalene	ND	128	--	0.00048	--
Styrene	ND	104	--	0.0028	--
tert- Butyl alcohol (*t*- Butanol)	ND	74	--	0.00001	--
Tetrachloroethene	**57**	166	386.8	0.018	0.52
Toluene	ND	92	--	0.0066	--
Trichloroethene	**51**	131	273.1	0.01	0.66
1,1,1-Trichloroethane	ND	133	--	0.0170	--
1,2,4-Trimethylbenzene	ND	120	--	0.0062	--
1,3,5-Trimethylbenzene	ND	120	--	0.0088	--
m,p -Xylenes	ND	106	--	0.0075	--
o -Xylene	ND	106	--	0.0052	--
Vinyl Chloride	ND	63	--	0.027	--
Total quantified VOCs	**169.30**				2.19

Notes:

ND = analyte not detected

NA = not analyzed, analyte not on TO-15 compound list

Conversion from ppbv to ug/m3:

ug/m3 = ppbv/24.46*MW

24.46 = molar volume of gas at 25° C (77° F) and 1 atm pressure; MW = molecular weight of compound

ug/m3 = 0.001 ug/L

Henry's Law: Cw = (Cg x 0.024) / 1000 / H

Cw = liquid phase concentration (ug/L)

Cg = vapor phase concentration (ug/m3)

H = Henry's law coefficient (atm-m3/mol)

0.024 = the value for R x T, where R is the Universal Gas Constant and T is degrees Kelvin

1000 = conversion factor for cubic meters to liters

Predicted concentrations in groundwater are calculated at standard temperature (25 degrees C) and pressure (1 atmosphere) conditions.

Theoretical Partitioning of VOCs
From Landfill Gas to Groundwater
Gas Probe GP-6G - December 20, 2012

Constituent	Landfill Gas Concentrations in GP-6G 12/20/2012 (ppbv) Cg	Molecular Weight (g/mole) MW	Landfill Gas Concentrations in GP-6G (Calculated) (ug/m3) Cg	Henry's Law Constant (atm-m3/mol) H	Predicted Groundwater Concentration (ug/L) Cw
Acetone	**1.6**	58	3.8	0.00004	2.35
Benzene	ND	78	--	0.0056	--
1,3-Butadiene	ND	95	--	0.00624	--
2-Butanone (MEK)	ND	72	--	0.00003	--
Carbon Disulfide	ND	76	--	0.0144	--
Chloroethane	ND	65	--	0.011	--
Chloromethane	**1.7**	50	3.5	0.024	0.00
Chloroform	**1.3**	119	6.3	0.00367	0.04
1,1-Dichloroethane	ND	99	--	0.0056	--
1,1-Dichloroethene	ND	97	--	0.026	--
cis -1,2-Dichloroethene	ND	97	--	0.0041	--
trans -1,2-Dichloroethene	ND	97	--	0.0094	--
1,2-Dichloropropane	ND	113	--	0.0028	--
1,3-Dichlorobenzene	ND	147	--	0.0019	--
Diisopropyl ether (DIPE)	ND	102	--	--	--
Ethylbenzene	ND	106	--	0.0079	--
4-Ethyl Toluene	ND	120	--	--	--
Dichlorodifluoromethane (Freon 12)	**36**	121	178.1	0.10	0.04
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 1	**62**	171	433.4	2.8	0.00
Trichlorofluoromethane (Freon 11)	**2.0**	137	11.2	0.097	0.00
Trichlorotrifluoroethane (Freon 113)	ND	187	--	0.526	--
Hexane	ND	86	--	1.802	--
Isopropyl alcohol (Isopropanol)	ND	60	--	0.0000081	--
4-Methyl-2-Pentanone (MIBK)	ND	100	--	0.00014	--
Methylene Chloride	ND	85	--	0.00220	--
Methyl *tert*- butyl ether (MTBE)	ND	88	--	0.00059	--
Naphthalene	ND	128	--	0.00048	--
Styrene	ND	104	--	0.0028	--
tert- Butyl alcohol (*t*- Butanol)	ND	74	--	0.00001	--
Tetrachloroethene	**3.2**	166	21.7	0.018	0.03
Toluene	ND	92	--	0.0066	--
Trichloroethene	ND	131	--	0.01	--
1,1,1-Trichloroethane	ND	133	--	0.0170	--
1,2,4-Trimethylbenzene	ND	120	--	0.0062	--
1,3,5-Trimethylbenzene	ND	120	--	0.0088	--
m,p -Xylenes	ND	106	--	0.0075	--
o -Xylene	ND	106	--	0.0052	--
Vinyl Chloride	ND	63	--	0.027	--
Total quantified VOCs	**107.80**				2.47

Notes:

ND = analyte not detected

NA = not analyzed, analyte not on TO-15 compound list

Conversion from ppbv to ug/m3:

ug/m3 = ppbv/24.46*MW

24.46 = molar volume of gas at 25° C (77° F) and 1 atm pressure; MW = molecular weight of compound

ug/m3 = 0.001 ug/L

Henry's Law: Cw = (Cg x 0.024) / 1000 / H

Cw = liquid phase concentration (ug/L)

Cg = vapor phase concentration (ug/m3)

H = Henry's law coefficient (atm-m3/mol)

0.024 = the value for R x T, where R is the Universal Gas Constant and T is degrees Kelvin

1000 = conversion factor for cubic meters to liters

Predicted concentrations in groundwater are calculated at standard temperature (25 degrees C) and pressure (1 atmosphere) conditions.

Theoretical Partitioning of VOCs
From Landfill Gas to Groundwater
Gas Probe GP-7G -December 20, 2012

Constituent	Landfill Gas Concentrations in GP-7G 12/20/2012 (ppbv) Cg	Molecular Weight (g/mole) MW	Landfill Gas Concentrations in GP-7G (Calculated) (ug/m3) Cg	Henry's Law Constant (atm-m3/mol) H	Predicted Groundwater Concentration (ug/L) Cw
Acetone	ND	58	--	0.00004	--
Benzene	ND	78	--	0.0056	--
1,3-Butadiene	ND	95	--	0.00624	--
2-Butanone (MEK)	ND	72	--	0.00003	--
Carbon Disulfide	ND	76	--	0.0144	--
Chloroethane	ND	65	--	0.011	--
Chloromethane	ND	50	--	0.024	--
Chloroform	ND	119	--	0.00367	--
1,1-Dichloroethane	ND	99	--	0.0056	--
1,1-Dichloroethene	ND	97	--	0.026	--
cis -1,2-Dichloroethene	ND	97	--	0.0041	--
trans -1,2-Dichloroethene	ND	97	--	0.0094	--
1,2-Dichloropropane	ND	113	--	0.0028	--
1,3-Dichlorobenzene	ND	147	--	0.0019	--
Diisopropyl ether (DIPE)	ND	102	--	--	--
Ethylbenzene	ND	106	--	0.0079	--
4-Ethyl Toluene	ND	120	--	--	--
Dichlorodifluoromethane (Freon 12)	**280**	121	1,385.1	0.10	0.33
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 1	**38**	171	265.7	2.8	0.00
Trichlorofluoromethane (Freon 11)	ND	137	--	0.097	--
Trichlorotrifluoroethane (Freon 113)	ND	187	--	0.526	--
Hexane	ND	86	--	1.802	--
Isopropyl alcohol (Isopropanol)	ND	60	--	0.0000081	--
4-Methyl-2-Pentanone (MIBK)	ND	100	--	0.00014	--
Methylene Chloride	ND	85	--	0.00220	--
Methyl *tert*- butyl ether (MTBE)	ND	88	--	0.00059	--
Naphthalene	ND	128	--	0.00048	--
Styrene	ND	104	--	0.0028	--
tert- Butyl alcohol (*t*- Butanol)	ND	74	--	0.00001	--
Tetrachloroethene	**310**	166	2,103.8	0.018	2.81
Toluene	ND	92	--	0.0066	--
Trichloroethene	**17**	131	91.0	0.01	0.22
1,1,1-Trichloroethane	ND	133	--	0.0170	--
1,2,4-Trimethylbenzene	ND	120	--	0.0062	--
1,3,5-Trimethylbenzene	ND	120	--	0.0088	--
m,p -Xylenes	ND	106	--	0.0075	--
o -Xylene	ND	106	--	0.0052	--
Vinyl Chloride	ND	63	--	0.027	--
Total quantified VOCs	**645.0**				3.36

Notes:

ND = analyte not detected

NA = not analyzed, analyte not on TO-15 compound list

Conversion from ppbv to ug/m3:

ug/m3 = ppbv/24.46*MW

24.46 = molar volume of gas at 25° C (77° F) and 1 atm pressure; MW = molecular weight of compound

ug/m3 = 0.001 ug/L

Henry's Law: Cw = (Cg x 0.024) / 1000 / H

Cw = liquid phase concentration (ug/L)

Cg = vapor phase concentration (ug/m3)

H = Henry's law coefficient (atm-m3/mol)

0.024 = the value for R x T, where R is the Universal Gas Constant and T is degrees Kelvin

1000 = conversion factor for cubic meters to liters

Predicted concentrations in groundwater are calculated at standard temperature (25 degrees C) and pressure (1 atmosphere) conditions.

Theoretical Partitioning of VOCs
From Landfill Gas to Groundwater
Gas Probe GP-9G - Demember 20, 2012

Constituent	Landfill Gas Concentrations in GP-9G 12/20/2012 (ppbv) Cg	Molecular Weight (g/mole) MW	Landfill Gas Concentrations in GP-9G (Calculated) (ug/m3) Cg	Henry's Law Constant (atm-m3/mol) H	Predicted Groundwater Concentration (ug/L) Cw
Acetone	ND	58	--	0.00004	--
Benzene	**22**	78	70.2	0.0056	0.30
1,3-Butadiene	ND	95	--	0.00624	--
2-Butanone (MEK)	ND	72	--	0.00003	--
Carbon Disulfide	ND	76	--	0.0144	--
Chloroethane	ND	65	--	0.011	--
Chloromethane	ND	50	--	0.024	--
Chloroform	**23**	119	112.3	0.00367	0.73
1,1-Dichloroethane	**19**	99	76.9	0.0056	0.33
1,1-Dichloroethene	ND	97	--	0.026	--
cis -1,2-Dichloroethene	**320**	97	1,269.0	0.0041	7.43
trans -1,2-Dichloroethene	ND	97	--	0.0094	--
1,2-Dichloropropane	ND	113	--	0.0028	--
1,3-Dichlorobenzene	ND	147	--	0.0019	--
Diisopropyl ether (DIPE)	ND	102	--	--	--
Ethylbenzene	ND	106	--	0.0079	--
4-Ethyl Toluene	ND	120	--	--	--
Dichlorodifluoromethane (Freon 12)	**1,900**	121	9,399.0	0.10	2.26
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 1	**180**	171	1,258.4	2.8	0.01
Trichlorofluoromethane (Freon 11)	**370**	137	2,072.4	0.097	0.51
Trichlorotrifluoroethane (Freon 113)	**42**	187	321.7	0.526	0.01
Hexane	ND	86	--	1.802	--
Isopropyl alcohol (Isopropanol)	ND	60	--	0.0000081	--
4-Methyl-2-Pentanone (MIBK)	ND	100	--	0.00014	--
Methylene Chloride	ND	85	--	0.00220	--
Methyl *tert*- butyl ether (MTBE)	ND	88	--	0.00059	--
Naphthalene	ND	128	--	0.00048	--
Styrene	ND	104	--	0.0028	--
tert- Butyl alcohol (*t*- Butanol)	ND	74	--	0.00001	--
Tetrachloroethene	**260**	166	1,764.5	0.018	2.35
Toluene	ND	92	--	0.0066	--
Trichloroethene	**150**	131	803.4	0.01	1.93
1,1,1-Trichloroethane	ND	133	--	0.0170	--
1,2,4-Trimethylbenzene	ND	120	--	0.0062	--
1,3,5-Trimethylbenzene	ND	120	--	0.0088	--
m,p -Xylenes	**24**	106	104.0	0.0075	0.33
o -Xylene	ND	106	--	0.0052	--
Vinyl Chloride	**420**	63	1,081.8	0.027	0.96
Total quantified VOCs	**3,730**				17.16

Notes:

ND = analyte not detected

NA = not analyzed, analyte not on TO-15 compound list

Conversion from ppbv to ug/m3:

ug/m3 = ppbv/24.46*MW

24.46 = molar volume of gas at 25° C (77° F) and 1 atm pressure; MW = molecular weight of compound

ug/m3 = 0.001 ug/L

Henry's Law: Cw = (Cg x 0.024) / 1000 / H

Cw = liquid phase concentration (ug/L)

Cg = vapor phase concentration (ug/m3)

H = Henry's law coefficient (atm-m3/mol)

0.024 = the value for R x T, where R is the Universal Gas Constant and T is degrees Kelvin

1000 = conversion factor for cubic meters to liters

Predicted concentrations in groundwater are calculated at standard temperature (25 degrees C) and pressure (1 atmosphere) conditions.

Theoretical Partitioning of VOCs
From Landfill Gas to Groundwater
Gas Probe GP-10G - December 20, 2012

Constituent	Landfill Gas Concentrations in GP-10G 12/20/2012 (ppbv) Cg	Molecular Weight (g/mole) MW	Landfill Gas Concentrations in GP-10G (Calculated) (ug/m3) Cg	Henry's Law Constant (atm-m3/mol) H	Predicted Groundwater Concentration (ug/L) Cw
Acetone	**6.0**	58	14.2	0.00004	8.81
Benzene	ND	78	--	0.0056	--
1,3-Butadiene	ND	95	--	0.00624	--
2-Butanone (MEK)	**11**	72	32.4	0.00003	28.40
Carbon Disulfide	ND	76	--	0.0144	--
Chloroethane	ND	65	--	0.011	--
Chloromethane	ND	50	--	0.024	--
Chloroform	ND	119	--	0.00367	--
1,1-Dichloroethane	**1.2**	99	4.9	0.0056	0.02
1,1-Dichloroethene	**1.0**	97	4.0	0.026	0.00
cis -1,2-Dichloroethene	**250**	97	991.4	0.0041	5.80
trans -1,2-Dichloroethene	**4.2**	97	16.7	0.0094	0.04
1,2-Dichloropropane	ND	113	--	0.0028	--
1,3-Dichlorobenzene	ND	147	--	0.0019	--
Diisopropyl ether (DIPE)	ND	102	--	--	--
Ethylbenzene	ND	106	--	0.0079	--
4-Ethyl Toluene	ND	120	--	--	--
Dichlorodifluoromethane (Freon 12)	**5.7**	121	28.2	0.10	0.01
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 1	ND	171	--	2.8	--
Trichlorofluoromethane (Freon 11)	ND	137	--	0.097	--
Trichlorotrifluoroethane (Freon 113)	ND	187	--	0.526	--
Hexane	ND	86	--	1.802	--
Isopropyl alcohol (Isopropanol)	ND	60	--	0.0000081	--
4-Methyl-2-Pentanone (MIBK)	ND	100	--	0.00014	--
Methylene Chloride	ND	85	--	0.00220	--
Methyl *tert*- butyl ether (MTBE)	ND	88	--	0.00059	--
Naphthalene	ND	128	--	0.00048	--
Styrene	ND	104	--	0.0028	--
tert- Butyl alcohol (*t*- Butanol)	ND	74	--	0.00001	--
Tetrachloroethene	**24**	166	162.9	0.018	0.22
Toluene	ND	92	--	0.0066	--
Trichloroethene	**27**	131	144.6	0.01	0.35
1,1,1-Trichloroethane	ND	133	--	0.0170	--
1,2,4-Trimethylbenzene	ND	120	--	0.0062	--
1,3,5-Trimethylbenzene	ND	120	--	0.0088	--
m,p -Xylenes	ND	106	--	0.0075	--
o -Xylene	ND	106	--	0.0052	--
Vinyl Chloride	**24**	63	61.8	0.027	0.05
Total quantified VOCs	**354**				43.71

Notes:

ND = analyte not detected

NA = not analyzed, analyte not on TO-15 compound list

Conversion from ppbv to ug/m3:

ug/m3 = ppbv/24.46*MW

24.46 = molar volume of gas at 25° C (77° F) and 1 atm pressure; MW = molecular weight of compound

ug/m3 = 0.001 ug/L

Henry's Law: Cw = (Cg x 0.024) / 1000 / H

Cw = liquid phase concentration (ug/L)

Cg = vapor phase concentration (ug/m3)

H = Henry's law coefficient (atm-m3/mol)

0.024 = the value for R x T, where R is the Universal Gas Constant and T is degrees Kelvin

1000 = conversion factor for cubic meters to liters

Predicted concentrations in groundwater are calculated at standard temperature (25 degrees C) and pressure (1 atmosphere) conditions.

Theoretical Partitioning of VOCs
From Landfill Gas to Groundwater
Gas Probe GP-11T - December 20, 2012

Constituent	Landfill Gas Concentrations in GP-11T 12/20/2012 (ppbv) Cg	Molecular Weight (g/mole) MW	Landfill Gas Concentrations in GP-11T (Calculated) (ug/m3) Cg	Henry's Law Constant (atm-m3/mol) H	Predicted Groundwater Concentration (ug/L) Cw
Acetone	ND	58	--	0.00004	--
Benzene	ND	78	--	0.0056	--
1,3-Butadiene	ND	95	--	0.00624	--
2-Butanone (MEK)	ND	72	--	0.00003	--
Carbon Disulfide	ND	76	--	0.0144	--
Chloroethane	ND	65	--	0.011	--
Chloromethane	ND	50	--	0.024	--
Chloroform	ND	119	--	0.00367	--
1,1-Dichloroethane	ND	99	--	0.0056	--
1,1-Dichloroethene	ND	97	--	0.026	--
cis -1,2-Dichloroethene	ND	97	--	0.0041	--
trans -1,2-Dichloroethene	ND	97	--	0.0094	--
1,2-Dichloropropane	ND	113	--	0.0028	--
1,3-Dichlorobenzene	ND	147	--	0.0019	--
Diisopropyl ether (DIPE)	ND	102	--	--	--
Ethylbenzene	ND	106	--	0.0079	--
4-Ethyl Toluene	ND	120	--	--	--
Dichlorodifluoromethane (Freon 12)	**6.4**	121	31.7	0.10	0.01
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 1	**12**	171	83.9	2.8	0.00
Trichlorofluoromethane (Freon 11)	ND	137	--	0.097	--
Trichlorotrifluoroethane (Freon 113)	ND	187	--	0.526	--
Hexane	ND	86	--	1.802	--
Isopropyl alcohol (Isopropanol)	ND	60	--	0.0000081	--
4-Methyl-2-Pentanone (MIBK)	ND	100	--	0.00014	--
Methylene Chloride	ND	85	--	0.00220	--
Methyl *tert*- butyl ether (MTBE)	ND	88	--	0.00059	--
Naphthalene	ND	128	--	0.00048	--
Styrene	ND	104	--	0.0028	--
tert- Butyl alcohol (*t*- Butanol)	ND	74	--	0.00001	--
Tetrachloroethene	ND	166	--	0.018	--
Toluene	ND	92	--	0.0066	--
Trichloroethene	ND	131	--	0.01	--
1,1,1-Trichloroethane	ND	133	--	0.0170	--
1,2,4-Trimethylbenzene	ND	120	--	0.0062	--
1,3,5-Trimethylbenzene	ND	120	--	0.0088	--
m,p -Xylenes	ND	106	--	0.0075	--
o -Xylene	ND	106	--	0.0052	--
Vinyl Chloride	ND	63	--	0.027	--
Total quantified VOCs	**18**				0.01

Notes:

ND = analyte not detected

NA = not analyzed, analyte not on TO-15 compound list

Conversion from ppbv to ug/m3:

ug/m3 = ppbv/24.46*MW

24.46 = molar volume of gas at 25° C (77° F) and 1 atm pressure; MW = molecular weight of compound

ug/m3 = 0.001 ug/L

Henry's Law: Cw = (Cg x 0.024) / 1000 / H

Cw = liquid phase concentration (ug/L)

Cg = vapor phase concentration (ug/m3)

H = Henry's law coefficient (atm-m3/mol)

0.024 = the value for R x T, where R is the Universal Gas Constant and T is degrees Kelvin

1000 = conversion factor for cubic meters to liters

Predicted concentrations in groundwater are calculated at standard temperature (25 degrees C) and pressure (1 atmosphere) conditions.

Theoretical Partitioning of VOCs
From Landfill Gas to Groundwater
Gas Probe GP-12G - December 20, 2012

Constituent	Landfill Gas Concentrations in GP-12G 12/20/2012 (ppbv) Cg	Molecular Weight (g/mole) MW	Landfill Gas Concentrations in GP-12G (Calculated) (ug/m3) Cg	Henry's Law Constant (atm-m3/mol) H	Predicted Groundwater Concentration (ug/L) Cw
Acetone	**11**	58	26.1	0.00004	16.16
Benzene	ND	78	--	0.0056	--
1,3-Butadiene	ND	95	--	0.00624	--
2-Butanone (MEK)	ND	72	--	0.00003	--
Carbon Disulfide	**7.4**	76	23.0	0.0144	0.04
Chloroethane	ND	65	--	0.011	--
Chloromethane	ND	50	--	0.024	--
Chloroform	ND	119	--	0.00367	--
1,1-Dichloroethane	ND	99	--	0.0056	--
1,1-Dichloroethene	ND	97	--	0.026	--
cis -1,2-Dichloroethene	ND	97	--	0.0041	--
trans -1,2-Dichloroethene	ND	97	--	0.0094	--
1,2-Dichloropropane	ND	113	--	0.0028	--
1,3-Dichlorobenzene	ND	147	--	0.0019	--
Diisopropyl ether (DIPE)	ND	102	--	--	--
Ethylbenzene	ND	106	--	0.0079	--
4-Ethyl Toluene	ND	120	--	--	--
Dichlorodifluoromethane (Freon 12)	ND	121	--	0.10	--
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon	ND	171	--	2.8	--
Trichlorofluoromethane (Freon 11)	ND	137	--	0.097	--
Trichlorotrifluoroethane (Freon 113)	ND	187	--	0.526	--
Hexane	**18**	86	63.4	1.802	0.00
Isopropyl alcohol (Isopropanol)	ND	60	--	0.0000081	--
4-Methyl-2-Pentanone (MIBK)	ND	100	--	0.00014	--
Methylene Chloride	ND	85	--	0.00220	--
Methyl *tert*- butyl ether (MTBE)	ND	88	--	0.00059	--
Naphthalene	ND	128	--	0.00048	--
Styrene	ND	104	--	0.0028	--
tert- Butyl alcohol (*t*- Butanol)	ND	74	--	0.00001	--
Tetrachloroethene	ND	166	--	0.018	--
Toluene	ND	92	--	0.0066	--
Trichloroethene	ND	131	--	0.01	--
1,1,1-Trichloroethane	ND	133	--	0.0170	--
1,2,4-Trimethylbenzene	ND	120	--	0.0062	--
1,3,5-Trimethylbenzene	ND	120	--	0.0088	--
m,p -Xylenes	ND	106	--	0.0075	--
o -Xylene	ND	106	--	0.0052	--
Vinyl Chloride	ND	63	--	0.027	--
Total quantified VOCs	**36**				16.20

Notes:

ND = analyte not detected

NA = not analyzed, analyte not on TO-15 compound list

Conversion from ppbv to ug/m3:

ug/m3 = ppbv/24.46*MW

24.46 = molar volume of gas at 25° C (77° F) and 1 atm pressure; MW = molecular weight of compound

ug/m3 = 0.001 ug/L

Henry's Law: Cw = (Cg x 0.024) / 1000 / H

Cw = liquid phase concentration (ug/L)

Cg = vapor phase concentration (ug/m3)

H = Henry's law coefficient (atm-m3/mol)

0.024 = the value for R x T, where R is the Universal Gas Constant and T is degrees Kelvin

1000 = conversion factor for cubic meters to liters

Predicted concentrations in groundwater are calculated at standard temperature (25 degrees C) and pressure (1 atmosphere) conditions.

Theoretical Partitioning of VOCs
From Landfill Gas to Groundwater
Gas Probe GP-13G - December 20, 2012

Constituent	Landfill Gas Concentrations in GP-13G 12/20/2012 (ppbv) Cg	Molecular Weight (g/mole) MW	Landfill Gas Concentrations in GP-13G (Calculated) (ug/m3) Cg	Henry's Law Constant (atm-m3/mol) H	Predicted Groundwater Concentration (ug/L) Cw
Acetone	ND	58	--	0.00004	--
Benzene	ND	78	--	0.0056	--
1,3-Butadiene	ND	95	--	0.00624	--
2-Butanone (MEK)	ND	72	--	0.00003	--
Carbon Disulfide	ND	76	--	0.0144	--
Chloroethane	ND	65	--	0.011	--
Chloromethane	ND	50	--	0.024	--
Chloroform	ND	119	--	0.00367	--
1,1-Dichloroethane	**460**	99	1,861.8	0.0056	7.98
1,1-Dichloroethene	**12**	97	47.6	0.026	0.04
cis -1,2-Dichloroethene	**300**	97	1,189.7	0.0041	6.96
trans -1,2-Dichloroethene	ND	97	--	0.0094	--
1,2-Dichloropropane	ND	113	--	0.0028	--
1,3-Dichlorobenzene	ND	147	--	0.0019	--
Diisopropyl ether (DIPE)	ND	102	--	--	--
Ethylbenzene	ND	106	--	0.0079	--
4-Ethyl Toluene	ND	120	--	--	--
Dichlorodifluoromethane (Freon 12)	**380**	121	1,879.8	0.10	0.45
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 1	**39**	171	272.6	2.8	0.00
Trichlorofluoromethane (Freon 11)	**560**	137	3,136.5	0.097	0.78
Trichlorotrifluoroethane (Freon 113)	**8.6**	187	65.9	0.526	0.00
Hexane	ND	86	--	1.802	--
Isopropyl alcohol (Isopropanol)	ND	60	--	0.0000081	--
4-Methyl-2-Pentanone (MIBK)	ND	100	--	0.00014	--
Methylene Chloride	ND	85	--	0.00220	--
Methyl *tert*- butyl ether (MTBE)	ND	88	--	0.00059	--
Naphthalene	ND	128	--	0.00048	--
Styrene	ND	104	--	0.0028	--
tert- Butyl alcohol (*t*- Butanol)	ND	74	--	0.00001	--
Tetrachloroethene	**680**	166	4,614.9	0.018	6.15
Toluene	ND	92	--	0.0066	--
Trichloroethene	**210**	131	1,124.7	0.01	2.70
1,1,1-Trichloroethane	ND	133	--	0.0170	--
1,2,4-Trimethylbenzene	ND	120	--	0.0062	--
1,3,5-Trimethylbenzene	ND	120	--	0.0088	--
m,p -Xylenes	ND	106	--	0.0075	--
o -Xylene	ND	106	--	0.0052	--
Vinyl Chloride	ND	63	--	0.027	--
Total quantified VOCs	**2,650**				25.07

Notes:

ND = analyte not detected

NA = not analyzed, analyte not on TO-15 compound list

Conversion from ppbv to ug/m3:

ug/m3 = ppbv/24.46*MW

24.46 = molar volume of gas at 25° C (77° F) and 1 atm pressure; MW = molecular weight of compound

ug/m3 = 0.001 ug/L

Henry's Law: Cw = (Cg x 0.024) / 1000 / H

Cw = liquid phase concentration (ug/L)

Cg = vapor phase concentration (ug/m3)

H = Henry's law coefficient (atm-m3/mol)

0.024 = the value for R x T, where R is the Universal Gas Constant and T is degrees Kelvin

1000 = conversion factor for cubic meters to liters

Predicted concentrations in groundwater are calculated at standard temperature (25 degrees C) and pressure (1 atmosphere) conditions.