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APRIL-SEPTEMBER 2007
SEMI-ANNUAL ANNUAL MONITORING REPORT
DETECTION MONITORING PROGRAM
POWAY LANDFILL
POWAY, CALIFORNIA

SWIS # 37-AA-0019

Prepared by

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engineers | scientists | innovators

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Geosyntec consultants

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POWAY LANDFILL
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I certify that this document and attachments presented in this report are accurate and complete. This report was prepared by the staff of Geosyntec Consultants under my supervision to ensure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who are directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. No attempt has been made to verify the accuracy of the Site Maintenance Reports provided by Landfill Management.

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1. INTRODUCTION

1.1 Terms of Reference

This report documents the results of the April through September 2007 semi-annual monitoring period for the Detection Monitoring Program (DMP) at the Poway Landfill. This report was prepared by Geosyntec Consultants (Geosyntec) for the County of San Diego, Department of Public Works, Landfill Management (County) to comply with the waste discharge requirements (WDRs) established by the California Regional Water Quality Control Board (RWQCB), San Diego Region, in Order No. 94-165 [RWQCB, 1994]. This report was prepared by Mr. Christopher Gale, PG, and was reviewed by Mr. Veryl Wittig, PG, CHG, in accordance with Geosyntec's internal peer review policy. This report was also reviewed by Mr. Barry Pulver, PG, CHG, CEG, of the County.

1.2 Overview and Purpose

The Poway Landfill (site) is an inactive Class III municipal solid waste landfill located in Poway, California. The site is monitored semi-annually in compliance with Order No. 94-165, which requires the County to submit to the RWQCB semi-annual detection monitoring reports on 30 April and 30 October of each year. In addition, soil vapor monitoring was conducted as requested by the RWQCB and the County of San Diego Local Enforcement Agency (LEA) as part of an ongoing assessment of potential soil vapor impacts resulting from the landfill. The previous annual detection monitoring report for the Poway Landfill, which covered the period from October 2006 through March 2007, was submitted to the RWQCB in April 2007 [Geosyntec, 2007]. This report contains procedures and results of the current semi-annual groundwater monitoring activities performed at the site, in compliance with Monitoring and Reporting Program (MRP) No. 94-165. In addition, this report includes the results of the current soil vapor sampling event.

The following table contains a list of the components in this report required by the corresponding sections from MRP No. 94-165:

Required Submittal	Required Frequency	Location in this Report
D.1 Transmittal letter	Semi-annually	Cover letter
D.2.a Site maintenance	Semi-annually	Section 1.3 and Appendix A
D.2.b Groundwater gradient and flow direction	Semi-annually	Section 2.3 and Figure 2
D.2.c Well information	Semi-annually	Section 2 and Appendix B
D.2.d Sample collection procedures	Semi-annually	Appendix B
D.2.e Map of monitoring locations	Semi-annually	Figure 2

1.3 Site Maintenance

Appendix A presents the results of inspections conducted by County personnel at the Poway Landfill and information on site conditions and maintenance activities during the current monitoring period.

2. GROUNDWATER MONITORING

This section describes the groundwater monitoring program at the Poway Landfill and presents the results of groundwater monitoring activities conducted during the April through September 2007 monitoring period. Monitoring activities consisted of the following:

- Measuring depth to groundwater in 20 monitor wells and five piezometers;
- Collecting groundwater samples from 17 monitor wells and one piezometer;
- Analyzing water samples;
- Evaluating laboratory data, and preparing this report.

Groundwater monitoring and sample collection was performed by BBC Environmental, a subcontractor to Geosyntec, in accordance with current SAM manual guidance as detailed on the field collection logs (Appendix B). Groundwater samples could not be collected from monitor wells POGW-12, POGW-17A, and POGW-24A because the wells were dry during the third quarter 2007 sampling event. Analyses were performed at Calscience Environmental Laboratories, Inc. in Garden Grove, California. Analytical results were compared to revised site-specific proposed water-quality protection standard (WQPS) concentration limits submitted to the RWQCB in the 1998 Annual Report [IT, 1999]. At the RWQCB's request, the revised proposed WQPSs were resubmitted with additional clarification in May 2000 [Geosyntec, 2000a].

2.1 Monitoring Parameters

2.1.1 Detection Monitoring Program

In compliance with Section C.3.b of MRP No. 94-165 and the revised MRP [Geosyntec, 2000b] approved by the RWQCB in a letter dated 10 August 2000 [RWQCB, 2000], groundwater samples are collected from the monitor wells semi-annually and analyzed as follows:

Parameter	Method
Chloride	SM4500-Cl C
Nitrate as nitrogen	SM 4500-NO3 E/ -NO2 B
Field pH, field conductivity	Field Method
Sulfate	ASTM D516-02
Total Dissolved Solids (TDS)	SM 2590 C
Bicarbonate, carbonate	SM2320B
Chemical Oxygen Demand (COD)	EPA 410.4
Dissolved calcium, potassium, magnesium, and sodium	EPA 6010B
Volatile Organic Compounds (VOCs)	EPA 8260B

2.1.2 Monitored Natural Attenuation

Based on the screening of monitored natural attenuation (MNA) parameters presented in the updated Report of Waste Discharge and Engineering Feasibility Study (ROWD-EFS) [Geosyntec, 2005], the selected site-specific MNA parameters to evaluate occurrence of natural attenuation in groundwater at the site and within the site vicinity are dissolved oxygen (DO) and oxidation reduction potential (ORP). DO and ORP were measured in the field and recorded on the field collection logs (Appendix B).

2.2 Groundwater Elevations and Flow Direction

Groundwater levels were measured on 25 July 2007 after each monitor well and piezometer POPW-1 was checked for the presence of floating immiscible layers. However, groundwater levels weren't measured in piezometers POPW-2A, -2B, -3, and -4 on 25 July 2007. Therefore, groundwater levels were re-measured in each monitor well and piezometer on 28 August 2007. No floating immiscible layers were detected in the monitor wells or piezometers. Groundwater elevation decreases in all monitor wells and piezometers ranged from approximately 1.2 feet to greater than 3.9 feet between the first quarter and third quarter 2007, except in POGW-18A. Since August 2005 groundwater elevations in the monitor wells and piezometers have generally decreased (Figure 2). Consistent with previous results, groundwater is interpreted to flow generally to the south at an average hydraulic gradient ranging from 0.04 to 0.22 feet per foot (ft/ft) (Figure 1).

2.3 Discussion of Groundwater Monitoring Data

2.3.1 DMP Monitor Wells

General chemistry parameters, metals, and VOC concentrations in groundwater samples collected at the site are summarized in Table 2. General chemistry parameters, metals, and VOC concentrations are generally within the historic range of concentrations. Groundwater certificates of analysis and chain of custody documents are presented in Appendix C.

Naphthalene was detected at trace concentrations in the groundwater samples collected from monitor wells POGW-6, -9, and -14. 1,2,3-Trichlorobenze and 1,2,4-trichlorobenzene were detected at trace concentrations in the groundwater sample collected from monitor well POGW-9. However, naphthalene, 1,2,3-trichlorobenzene, and 1,2,4-trichlorobenzene were also detected in the associated method blank and therefore do not appear to be attributable to the landfill.

2.3.2 Piezometers

General chemistry parameters, metals, and VOC concentrations in the groundwater samples collected from piezometer POPW-1 are generally within the historic range of concentrations.

2.3.3 Monitored Natural Attenuation Evaluation

MNA parameters in groundwater samples collected during the third quarter 2007 generally indicate limited natural attenuation potential of chlorinated hydrocarbons in groundwater. However, concentrations of degradation products (i.e., cis-1,2-dichloroethene and vinyl chloride) in groundwater samples collected from monitor wells POGW-14, -16, -19, -21, -22, and -24B and piezometer POPW-1 indicate natural attenuation of chlorinated hydrocarbons in groundwater is occurring in the vicinity of these wells and this piezometer.

2.4 Geotracker

The groundwater monitoring data, laboratory data[1], and a copy of the final report for this monitoring period for the Poway Landfill site were electronically submitted to and confirmed by the State Water Board's internet-accessible database system, Geotracker. This information was submitted to the Geotracker database in accordance with Chapter 30, Division 3, Titles 23 & 27 of the California Code of Regulations on the date that this report was finalized.

[1]Confirmation numbers for upload of analytical data into Geotracker are 4023792088, 6756371378, 8782610237, and 5973157763, submitted 10/1/2007, 10/1/2007, 10/4/2007 and 10/5/2007, respectively.

3. SOIL VAPOR MONITORING

3.1 General

This section describes the soil vapor monitoring program at the Poway Landfill and presents the results of soil vapor monitoring activities conducted during the current semi-annual monitoring period. Soil vapor monitoring was conducted in general accordance with the January 2003 California Department of Toxic Substances Control (DTSC) advisory, and was summarized in the Geosyntec 27 August 2007 memorandum submitted to the County (Geosyntec, 2007a).The laboratory data were validated by Geosyntec personnel. Based on the validation, the data were determined to be usable as qualified.

3.2 Vapor Sampling Procedures

Historically, soil vapor wells PVP-1, PVP-2B, PVP-3B, PVP-4B, VW-2B, VW-3B, VW-5B, VW-6B, VW-7B, and VW-9 could not be sampled due to saturated or low-permeability subsurface conditions, which resulted in excess vacuum conditions. In addition to these wells, high vacuum conditions were also measured in VW-6A during the July 2007 sampling event. Therefore, samples were not collected from these 11 wells during the July 2007 sampling event. Soil vapor well vacuum logs are provided in Appendix B.

3.3 Soil Vapor Monitoring Parameters

Soil vapor sampling and testing procedures were conducted in general accordance with DTSC soil vapor sampling advisory [DTSC, 2003]. Vapor samples were collected from the soil vapor wells and analyzed as follows:

Parameter	EPA Method
Volatile Organic Compounds (VOCs) (including carbon disulfide, trans-1,4-dichloro-2-butene, and methyl iodide)	Modified TO-15
Fixed Gases	Field Methods

3.4 Soil Vapor Analytical Results

The following VOCs are indicators of LFG migration or have previously accounted for the greatest portion of estimated risk and therefore, comprise the primary constituents of concern (COCs):

- Dichlorodifluoromethane (DCDFM, AKA Freon 12)
- Tetrachloroethene (PCE)
- Trichloroethene (TCE)

- cis-1,2-Dichloroethene (cis-1,2-DCE)
- Vinyl chloride
- Benzene
- Ethylbenzene
- Toluene
- Total xylenes

Certificates of analysis and chain-of-custody documents are presented in Appendix C. A summary of soil vapor analytical results for the July 2007 monitoring event, including QA/QC sample results, are provided in Table 3. Reported concentrations of benzene, PCE, and TCE in soil vapor samples collected onsite and offsite at the Poway Landfill from April 2006 through July 2007 are summarized in Table 4. Reported concentrations of benzene, PCE, and TCE in soil vapor samples collected in July 2007 are presented on Figure 3.

3.4.1 Background Soil Vapor Wells

Soil vapor samples collected from background soil vapor well PVP-6 during the July 2007 event contained toluene at a concentration of 1.2 parts per billion by volume (ppbv). No other COCs were detected at concentrations greater than their respective reporting limits (RLs).

Fixed gases were measured in the field using a Landtech GEM 2000 landfill gas meter and recorded on the soil vapor sample collection logs (Attachment B). Fixed gas concentrations in the soil vapor purged from the background soil vapor wells were consistent with native soil vapor and those measured during the previous sampling events [Geosyntec, 2006a, 2006b, and 2007].

3.4.2 Property Boundary Soil Vapor Wells

Soil vapor samples collected from soil vapor wells along the southern property boundary during the July 2007 sampling event contained the following COCs:

- DCDFM at concentrations ranging from 8.2 to 16 ppbv (3 of 4 samples);
- Benzene at a concentration of 3.8 ppbv (1 of 4 samples);
- PCE at a concentration of 3.8 ppbv (1 of 4 samples); and
- Toluene at a concentration of 1.9 ppbv (1 of 4 samples).

No other COCs were detected at concentrations greater than their respective RLs.

Fixed gas concentrations in the soil vapor purged from the onsite soil vapor wells along the south property boundary were consistent with native soil vapor and those measured during the previous sampling events [Geosyntec, 2006a, 2006b, and 2007].

3.4.3 Offsite Soil Vapor Wells

Soil vapor samples collected from soil vapor wells offsite within the residential area south of the site during the July 2007 sampling event contained the following COCs:

- DCDFM at concentrations ranging from 2.5 to 21 ppbv (5 of 15 samples);
- PCE at concentrations ranging from 1.4 to 69 ppbv (6 of 15 samples); and
- Toluene at concentrations ranging from 1.2 to1.7 ppbv (5 of 15 samples).

No other COCs were detected at concentrations greater than their respective RLs.

Fixed gas concentrations in the soil vapor purged from the offsite soil vapor wells within the residential area south of the site were consistent with native soil vapor and those measured during the previous sampling events [Geosyntec, 2006a, 2006b, and 2007].

3.5 Discussion of Soil Vapor Data

VOC concentrations in soil vapor samples collected from onsite and offsite soil vapor wells during July 2007 were consistent with the range of concentrations observed during previous sampling events [Geosyntec, 2006a, 2006b, and 2007]. The frequency of detections of COCs in soil vapor has generally decreased since the April, May, and July 2006, and January 2007 sampling events. PCE concentrations have generally decreased or remained within the range of historical concentrations in onsite and offsite soil vapor wells since the April and May 2006 monitoring events. TCE concentrations in onsite and offsite soil vapor samples have generally decreased since the April and May 2006 sampling events. During the July 2007 soil vapor sampling event TCE was not detected at concentrations greater than the RL (the RL ranged from 1.0 to 1.3 ppbv). Onsite and offsite soil vapor fixed gas concentrations were generally consistent with native soil vapor concentrations.

The estimated risk calculated from the April and May 2006 vapor data were below levels of concern according to DTSC, DEH, and USEPA. Additionally, the concentrations observed during the July 2007 sampling event were consistent with or lower than concentrations observed during the April and May 2006 sampling events. Therefore, the estimated risk based on the July 2007 vapor data can be reasonably expected to be consistent with or less than estimated risk from the April and May 2006 sampling events.

4. REFERENCES

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TABLES

Table 1
Summary of Groundwater Depths and Elevations
Poway Landfill
Poway, California

Geosyntec consultants

Well Number	Top of Casing Elevation (ft MSL)	Date	Depth to Bottom (ft toc)	Depth to Water (ft toc)	Groundwater Elevation (ft MSL)
POPW-1	724.07	04/18/03	116.00	94.46	629.61
		04/23/03	116.00	92.89	631.18
		05/05/03	116.00	92.12	631.95
		05/12/03	116.00	91.80	632.27
		05/15/03	116.00	91.74	632.33
		06/17/03	116.00	91.10	632.97
		08/26/03	116.00	90.50	633.57
		03/15/04	116.00	91.74	632.33
		06/04/04	116.00	91.67	632.40
		08/19/04	116.00	92.74	631.33
		01/24/05	116.00	85.50	638.57
		07/19/05	116.00	75.58	648.49
		01/18/06	116.00	77.48	646.59
		06/01/06	116.00	79.09	644.98
		07/17/06	116.00	78.86	645.21
		01/17/07	116.00	80.27	643.80
		07/25/07	116.00	81.75	642.32
		08/28/07	116.00	82.06	642.01
POPW-2A	722.74	04/18/03	121.00	113.05	609.69
		04/23/03	121.00	103.62	619.12
		05/05/03	121.00	97.40	625.34
		05/12/03	121.00	96.01	626.73
		05/15/03	121.00	95.87	626.87
		06/17/03	121.00	95.72	627.02
		08/26/03	121.00	95.53	627.21
		03/15/04	121.00	96.63	626.11
		06/04/04	121.00	96.46	626.28
		08/19/04	121.00	96.91	625.83
		01/24/05	121.00	88.55	634.19
		07/19/05	121.00	80.20	642.54
		01/18/06	121.00	80.32	642.42
		06/01/06	121.00	80.54	642.20
		07/17/06	121.00	80.49	642.25
		01/17/07	121.00	81.65	641.09
		08/28/07	121.00	83.72	639.02
POPW-2B	722.75	04/18/03	155.00	95.10	627.65
		04/23/03	155.00	94.93	627.82
		05/05/03	155.00	95.45	627.30
		05/12/03	155.00	94.92	627.83
		05/15/03	155.00	94.98	627.77
		06/17/03	155.00	95.01	627.74
		08/26/03	155.00	94.78	627.97
		03/15/04	155.00	96.09	626.66
		06/04/04	155.00	95.88	626.87
		08/19/04	155.00	96.37	626.38
		01/24/05	155.00	95.10	627.65
		07/19/05	155.00	79.33	643.42
		01/18/06	155.00	77.88	644.87
		06/01/06	155.00	78.09	644.66
		07/17/06	155.00	78.23	644.52
		01/17/07	155.00	80.00	642.75
		08/28/07	155.00	81.91	640.84
POPW-3	724.71	04/18/03	121.00	112.76	611.95
		04/23/03	121.00	105.54	619.17
		05/05/03	121.00	97.61	627.10
		05/12/03	121.00	90.92	633.79
		05/15/03	121.00	88.84	635.87
		06/17/03	121.00	76.65	648.06
		08/26/03	121.00	71.20	653.51
		03/15/04	121.00	71.84	652.87
		06/04/04	121.00	71.39	653.32
		08/19/04	121.00	72.38	652.33
		01/24/05	121.00	69.05	655.66
		07/19/05	121.00	51.86	672.85
		01/18/06	121.00	55.86	668.85
		06/01/06	121.00	78.05	646.66
		07/17/06	121.00	63.28	661.43
		01/17/07	121.00	60.67	664.04
		08/28/07	121.00	61.83	662.88

Table 1
Summary of Groundwater Depths and Elevations
Poway Landfill
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Geosyntec consultants

Well Number	Top of Casing Elevation (ft MSL)	Date	Depth to Bottom (ft toc)	Depth to Water (ft toc)	Groundwater Elevation (ft MSL)
POPW-4	706.49	04/18/03	113.50	95.77	610.72
		04/23/03	113.50	95.81	610.68
		05/05/03	113.50	95.98	610.51
		05/12/03	113.50	95.97	610.52
		05/15/03	113.50	96.08	610.41
		06/17/03	113.50	96.45	610.04
		08/26/03	113.50	96.52	609.97
		03/15/04	113.50	97.70	608.79
		06/04/04	113.50	97.85	608.64
		08/19/04	113.50	98.40	608.09
		01/24/05	113.50	97.85	608.64
		07/19/05	113.50	82.43	624.06
		01/18/06	113.50	80.04	626.45
		06/01/06	113.50	79.58	626.91
		07/17/06	113.50	79.70	626.79
		01/17/07	113.50	80.81	625.68
		08/28/07	113.50	82.61	623.88
POGW-6	695.35	02/01/91	35.26	17.26	678.09
		02/05/91	35.00	17.30	678.05
		04/11/91	35.30	12.70	682.65
		07/22/91	35.25	13.17	682.18
		10/16/91	34.90	14.43	680.92
		12/20/93	35.00	5.35	690.00
		05/03/94	35.00	4.92	690.43
		11/22/94	35.30	8.00	687.35
		09/29/95	35.30	4.12	691.23
		02/22/96	35.30	5.70	689.65
		08/15/96	35.30	7.85	687.50
		02/13/97	35.30	5.95	689.40
		08/26/97	35.30	9.24	686.11
		02/18/98	35.30	6.28	689.07
		08/27/98	35.30	3.94	691.41
		03/01/99	35.30	5.26	690.09
		09/02/99	35.30	8.93	686.42
		02/28/00	35.30	9.73	685.62
		08/02/00	35.30	11.78	683.57
		02/05/01	35.30	14.83	680.52
		07/31/01	34.60	12.61	682.74
		02/15/02	34.60	15.72	679.63
		08/02/02	34.60	17.19	678.16
		01/31/03	34.60	19.69	675.66
		03/11/03	34.60	15.56	679.79
		03/19/03	34.60	14.42	680.93
		07/25/03	34.60	14.60	680.75
		08/26/03	34.60	15.34	680.01
		03/15/04	34.60	16.07	679.28
		06/04/04	34.60	15.63	679.72
		08/19/04	34.60	17.06	678.29
		01/24/05	34.60	11.32	684.03
		07/19/05	34.60	4.36	690.99
		01/18/06	34.60	5.45	689.90
		06/01/06	34.60	5.80	689.55
		07/17/06	34.60	6.47	688.88
		01/17/07	34.60	7.95	687.40
		07/25/07	34.60	9.21	686.14
		08/28/07	34.60	9.67	685.68

Table 1
Summary of Groundwater Depths and Elevations
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Poway, California

Geosyntec consultants

Well Number	Top of Casing Elevation (ft MSL)	Date	Depth to Bottom (ft toc)	Depth to Water (ft toc)	Groundwater Elevation (ft MSL)
POGW-7	721.45	02/01/91	163.40	88.40	633.05
		02/05/91	163.45	91.25	630.20
		04/11/91	163.50	89.10	632.35
		07/22/91	163.45	86.33	635.12
		10/15/91	163.55	85.51	635.94
		12/20/93	160.00	73.11	648.34
		05/03/94	160.00	74.58	646.87
		11/08/94	160.00	76.72	644.73
		08/10/95	160.00	70.52	650.93
		02/22/96	160.00	74.45	647.00
		08/15/96	160.00	76.55	644.90
		02/13/97	160.00	77.70	643.75
		08/26/97	160.00	77.00	644.45
		02/19/98	160.00	77.75	643.70
		08/27/98	160.00	69.66	651.79
		03/01/99	160.00	73.25	648.20
		09/02/99	160.00	75.57	645.88
POGW-8	619.77	02/01/91	59.80	36.55	583.22
		02/05/91	60.25	36.50	583.27
		04/11/91	60.20	36.90	582.87
		07/22/91	60.26	36.74	583.03
		10/15/91	60.30	36.70	583.07
		12/20/93	58.00	16.33	603.44
		05/03/94	58.00	16.42	603.35
		11/08/94	60.31	19.35	600.42
		08/10/95	60.13	11.08	608.69
POGW-9	725.05	02/22/96	83.50	37.45	687.60
		08/15/96	83.50	40.45	684.60
		02/13/97	83.50	40.67	684.38
		08/26/97	83.50	43.07	681.98
		02/18/98	83.50	43.47	681.58
		08/27/98	83.50	30.27	694.78
		03/01/99	83.50	36.83	688.22
		09/02/99	83.50	40.15	684.90
		02/28/00	83.50	42.97	682.08
		08/02/00	83.50	44.87	680.18
		02/05/01	83.50	48.20	676.85
		07/31/01	84.36	47.11	677.94
		02/15/02	84.36	50.46	674.59
		08/02/02	84.36	52.38	672.67
		01/31/03	84.36	53.48	671.57
		03/11/03	84.36	53.50	671.55
		03/19/03	84.36	53.35	671.70
		07/25/03	84.36	51.50	673.55
		08/26/03	84.36	51.88	673.17
		03/15/04	84.36	52.15	672.90
		06/04/04	84.36	52.39	672.66
		08/19/04	84.36	53.27	671.78
		01/24/05	84.36	52.10	672.95
		07/19/05	84.36	43.75	681.30
		01/18/06	84.36	36.32	688.73
		06/01/06	84.36	37.98	687.07
		07/17/06	84.36	38.86	686.19
		01/17/07	84.36	40.81	684.24
		07/25/07	84.36	42.83	682.22
		08/28/07	84.36	43.46	681.59

Table 1
Summary of Groundwater Depths and Elevations
Poway Landfill
Poway, California

Geosyntec consultants

Well Number	Top of Casing Elevation (ft MSL)	Date	Depth to Bottom (ft toc)	Depth to Water (ft toc)	Groundwater Elevation (ft MSL)
POGW-10	710.56	02/22/96	52.60	41.00	669.56
		08/15/96	52.60	45.25	665.31
		02/13/97	52.60	46.08	664.48
		08/26/97	52.60	44.07	666.49
		02/19/98	52.60	47.31	663.25
		08/27/98	52.60	28.87	681.69
		03/01/99	52.60	38.80	671.76
		09/02/99	52.60	43.48	667.08
		02/28/00	52.60	46.05	664.51
		08/02/00	52.60	46.10	664.46
		02/05/01	52.60	49.65	660.91
		07/31/01	53.86	43.92	666.64
		02/15/02	53.86	47.02	663.54
		08/02/02	53.86	49.12	661.44
		01/31/03	53.86	52.52	658.04
		03/11/03	53.86	53.30	657.26
		03/19/03	53.86	53.26	657.30
		07/25/03	53.86	47.95	662.61
		08/26/03	53.86	47.21	663.35
		03/15/04	53.86	48.95	661.61
		06/04/04	53.86	48.82	661.74
		08/19/04	53.86	49.62	660.94
		01/24/05	53.86	39.65	670.91
		07/19/05	53.86	28.75	681.81
		01/18/06	53.86	38.21	672.35
		06/01/06	53.86	41.31	669.25
		07/17/06	53.86	42.23	668.33
		01/17/07	53.86	40.31	670.25
		07/25/07	53.86	44.99	665.57
		08/28/07	53.86	44.19	666.37
POGW-11	628.71	04/09/96	54.20	43.35	585.36
		08/15/96	54.20	45.18	583.53
		02/13/97	54.20	44.11	584.60
		08/26/97	54.20	46.40	582.31
		02/18/98	54.20	43.07	585.64
		08/27/98	54.20	38.10	590.61
		03/01/99	54.20	42.54	586.17
		09/02/99	54.20	44.90	583.81
		02/28/00	54.20	47.53	581.18
		08/02/00	54.20	48.43	580.28
		02/05/01	54.20	51.79	576.92
		07/31/01	54.20	48.46	580.25
		02/15/02	54.20	48.50	580.21
		08/02/02	54.20	51.38	577.33
		01/31/03	54.20	52.22	576.49
		03/11/03	54.20	51.78	576.93
		03/19/03	54.20	51.68	577.03
		07/25/03	54.20	49.10	579.61
		08/26/03	54.20	49.38	579.33
		03/15/04	54.20	51.13	577.58
		06/04/04	54.20	51.05	577.66
		08/19/04	54.20	51.69	577.02
		01/24/05	54.20	47.81	580.90
		07/19/05	54.20	42.00	586.71
		01/18/06	54.20	46.71	582.00
		06/01/06	54.20	45.42	583.29
		07/17/06	54.20	48.81	579.90
		01/17/07	54.20	50.99	577.72
		07/25/07	54.20	52.52	576.19
		08/28/07	54.20	52.74	575.97

Table 1
Summary of Groundwater Depths and Elevations
Poway Landfill
Poway, California

Geosyntec consultants

Well Number	Top of Casing Elevation (ft MSL)	Date	Depth to Bottom (ft toc)	Depth to Water (ft toc)	Groundwater Elevation (ft MSL)
POGW-12	594.72	02/22/96	15.80	10.10	584.62
		08/15/96	15.80	11.95	582.77
		02/13/97	15.80	10.25	584.47
		08/26/97	15.80	12.48	582.24
		02/19/98	15.80	10.63	584.09
		08/27/98	15.80	7.51	587.21
		03/01/99	15.80	9.00	585.72
		09/02/99	15.80	10.76	583.96
		03/06/00	15.80	12.32	582.40
		08/02/00	15.80	11.41	583.31
		02/05/01	15.80	13.26	581.46
		07/31/01	15.76	9.16	585.56
		02/15/02	15.76	9.67	585.05
		08/02/02	15.76	9.41	585.31
		01/31/03	15.76	9.83	584.89
		03/11/03	15.76	8.92	585.80
		03/19/03	15.76	8.72	586.00
		07/25/03	15.76	9.12	585.60
		08/26/03	15.76	9.52	585.20
		03/15/04	15.76	9.73	584.99
		06/04/04	15.76	9.53	585.19
		08/19/04	15.76	10.12	584.60
		01/24/05	15.76	7.03	587.69
		07/19/05	15.76	11.19	583.53
		01/18/06	15.76	13.33	581.39
		06/01/06	15.76	11.89	582.83
		07/17/06	15.76	11.86	582.86
		01/17/07	15.76	DRY	-
		07/25/07	15.76	DRY	-
		08/28/07	15.76	DRY	-
POGW-13	594.88	02/22/96	52.60	12.20	582.68
		08/15/96	52.60	13.90	580.98
		02/13/97	52.60	13.22	581.66
		08/26/97	52.60	14.40	580.48
		02/19/98	52.60	12.83	582.05
		08/27/98	52.60	7.25	587.63
		03/01/99	52.60	10.46	584.42
		09/02/99	52.60	12.49	582.39
		02/28/00	52.60	14.96	579.92
		08/02/00	52.60	15.61	579.27
		02/05/01	52.60	18.46	576.42
		07/31/01	52.52	15.07	579.81
		02/15/02	52.52	16.64	578.24
		08/01/02	52.52	17.54	577.34
		01/31/03	52.52	17.91	576.97
		03/11/03	52.52	17.91	576.97
		03/19/03	52.52	17.00	577.88
		07/25/03	52.52	15.57	579.31
		08/26/03	52.52	15.70	579.18
		03/15/04	52.52	16.04	578.84
		06/04/04	52.52	16.54	578.34
		08/19/04	52.52	17.06	577.82
		01/24/05	52.52	12.90	581.98
		07/19/05	52.52	10.28	584.60
		01/18/06	52.52	14.30	580.58
		06/01/06	52.52	15.11	579.77
		07/17/06	52.52	15.54	579.34
		01/17/07	52.52	17.94	576.94
		07/25/07	52.52	19.18	575.70
		08/28/07	52.52	19.47	575.41

Table 1
Summary of Groundwater Depths and Elevations
Poway Landfill
Poway, California

Geosyntec consultants

Well Number	Top of Casing Elevation (ft MSL)	Date	Depth to Bottom (ft toc)	Depth to Water (ft toc)	Groundwater Elevation (ft MSL)
POGW-14	722.61	02/28/00	226.60	87.33	635.28
		08/02/00	226.60	88.35	634.26
		02/05/01	226.60	91.79	630.82
		07/31/01	225.68	90.31	632.30
		02/15/02	225.68	94.05	628.56
		08/02/02	225.68	96.90	625.71
		01/31/03	225.68	99.41	623.20
		03/11/03	225.68	99.78	622.83
		03/19/03	225.68	99.76	622.85
		07/25/03	225.68	98.88	623.73
		08/26/03	225.68	99.09	623.52
		03/15/04	225.68	99.18	623.43
		06/04/04	225.68	99.87	622.74
		08/19/04	225.68	100.86	621.75
		01/24/05	225.68	99.14	623.47
		07/19/05	225.68	82.83	639.78
		01/18/06	225.68	83.66	638.95
		07/17/06	225.68	83.80	638.81
		01/17/07	225.68	85.44	637.17
		07/25/07	225.68	87.23	635.38
		08/28/07	225.68	87.87	634.74
POGW-15	606.60	07/31/01	24.29	13.75	592.85
		02/15/02	24.29	16.78	589.82
		08/02/02	24.29	18.69	587.91
		01/31/03	24.29	20.17	586.43
		03/11/03	24.29	19.69	586.91
		03/19/03	24.29	19.77	586.83
		07/25/03	24.29	19.21	587.39
		08/26/03	24.29	19.39	587.21
		03/15/04	24.29	19.39	587.21
		06/04/04	24.29	20.72	585.88
		08/19/04	24.29	21.19	585.41
		01/24/05	24.29	12.58	594.02
		07/19/05	24.29	9.86	596.74
		01/18/06	24.29	13.05	593.55
		06/01/06	24.29	13.71	592.89
		07/17/06	24.29	14.26	592.34
		01/17/07	24.29	16.64	589.96
		07/25/07	24.29	18.38	588.22
		08/28/07	24.29	18.58	588.02
POGW-16	643.49	06/04/04	69.50	59.29	584.20
		06/30/04	69.50	59.40	584.09
		07/26/04	69.50	59.41	584.08
		08/19/04	69.50	59.92	583.57
		01/24/05	69.50	56.69	586.80
		07/19/05	69.50	48.80	594.69
		01/18/06	69.50	51.69	591.80
		06/01/06	69.50	52.46	591.03
		07/17/06	69.50	52.92	590.57
		01/17/07	69.50	55.07	588.42
		07/25/07	69.50	56.83	586.66
		08/28/07	69.50	57.10	586.39
POGW-17A	602.64	07/19/05	18.50	14.08	588.56
		01/18/06	18.50	17.85	584.79
		06/01/06	18.50	15.96	586.68
		07/17/06	18.50	17.03	585.61
		01/17/07	18.50	DRY	-
		07/25/07	18.50	DRY	-
		08/28/07	18.50	DRY	-
POGW-17B	602.50	07/19/05	45.00	16.56	585.94
		01/18/06	45.00	20.54	581.96
		06/01/06	45.00	21.63	580.87
		07/17/06	45.00	22.07	580.43
		01/17/07	45.00	24.30	578.20
		07/25/07	45.00	25.75	576.75
		08/28/07	45.00	25.98	576.52
POGW-18A	616.42	07/19/05	18.00	6.77	609.65
		01/18/06	18.00	9.81	606.61
		06/01/06	18.00	9.41	607.01
		07/17/06	18.00	10.92	605.50
		01/17/07	18.00	DRY	-
		07/25/07	18.00	13.35	603.07
		08/28/07	18.00	DRY	-

Table 1
Summary of Groundwater Depths and Elevations
Poway Landfill
Poway, California

Geosyntec consultants

Well Number	Top of Casing Elevation (ft MSL)	Date	Depth to Bottom (ft toc)	Depth to Water (ft toc)	Groundwater Elevation (ft MSL)
POGW-18B	616.54	07/19/05	45.00	18.05	598.49
		01/18/06	45.00	24.54	592.00
		06/01/06	45.00	24.50	592.04
		07/17/06	45.00	25.21	591.33
		01/17/07	45.00	28.00	588.54
		07/25/07	45.00	29.90	586.64
		08/28/07	45.00	30.39	586.15
POGW-19	652.62	05/05/06	85.40	70.15	582.47
		06/01/06	85.40	70.29	582.33
		07/17/06	85.40	70.90	581.72
		01/17/07	85.40	71.98	580.64
		07/25/07	85.40	74.71	577.91
		08/28/07	85.40	74.92	577.70
POGW-20	620.00	05/05/06	43.00	26.75	593.25
		06/01/06	43.00	26.78	593.22
		07/17/06	43.00	27.39	592.61
		01/17/07	43.00	30.09	589.91
		07/25/07	43.00	32.04	587.96
		08/28/07	43.00	32.39	587.61
POGW-21	617.92	05/05/06	32.90	23.60	594.32
		06/01/06	32.90	23.82	594.10
		07/17/06	32.90	24.29	593.63
		01/17/07	32.90	26.62	591.30
		07/25/07	32.90	28.40	589.52
		08/28/07	32.90	28.59	589.33
POGW-22	773.86	07/17/06	200.00	140.68	633.18
		01/17/07	200.00	141.56	632.30
		07/25/07	200.00	142.37	631.49
		08/28/07	200.00	143.01	630.85
POGW-23	609.50	12/11/06	40.00	32.00	577.50
		01/17/07	40.00	31.99	577.51
		07/25/07	40.00	34.14	575.36
		08/28/07	40.00	35.09	574.41
POGW-24A	604.23	12/11/06	19.60	17.75	586.48
		01/17/07	19.60	18.51	585.72
		07/25/07	19.60	DRY	-
		08/28/07	19.60	DRY	-
POGW-24B	604.17	12/11/06	45.10	18.38	585.79
		01/17/07	45.10	18.90	585.27
		07/25/07	45.10	20.50	583.67
		08/28/07	45.10	20.74	583.43

ft MSL - Feet above Mean Sea Level.
ft toc - Feet below top of casing.

Table 2
Summary of Groundwater Analytical Results
Poway Landfill
Poway, California

Geosyntec consultants

			Background Monitor Well			Compliance Monitor Well					Downgradient Monitor Well									
			POGW-6	POGW-9	POGW-10	POGW-11	POGW-13	POGW-14	POGW-15	POGW-16	POGW-17B	POGW-18A	POGW-18B	POGW-19	POGW-20	POGW-21	POGW-22	POGW-23	POGW-24B	POPW-1
	Units	WQPS	7/26/2007	7/26/2007	7/26/2007	7/25/2007	7/26/2007	7/26/2007	7/25/2007	7/26/2007	7/25/2007	7/26/2007	7/26/2007	7/27/2007	7/26/2007	7/27/2007	7/27/2007	7/26/2007	7/25/2007	7/27/2007
General Chemistry																				
Bicarbonate	mg/L	NE	178	174	242	138	214	134	318	358	380	170	216	452	332	504	228	236	566	266
Carbonate	mg/L	NE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chemical Oxygen Demand	mg/L	55.89	-	-	10	-	-	12	-	15	-	-	-	-	-	5.0	12	-	16	13
Chloride	mg/L	314	240	110	100	300	160	180	180	130	290	120	120	**330**	190	**340**	100	**410**	**470**	**690**
Conductivity	µS/cm	NE	1266	NA	1060	1850	1626	877.2	1693	1140	2100	1063	1463	2000	1285	NA	938.6	2720	2899	3648
Nitrate (as N)	mg/L	32.8	4.4	2.8	3.4	11	6.4	0.062J	3.7	2.0	3.3	2.1	4.1	0.50	5.3	3.2	0.92	7.9	0.14	7.9
pH	pH	5.47-8.28	7.05	NA	7.81	7.81	6.68	7.34	7.40	**8.42**	6.22	6.7	6.77	6.90	7.39	NA	**8.40**	7.03	6.90	6.77
Sulfate	mg/L	292	160	58	150	230	270	57	120	72	250	230	240	130	70	160	64	170	220	**590**
Total Dissolved Solids (TDS)	mg/L	1115	837	464	663	1110	987	586	860	683	**1260**	753	773	**1260**	763	**1380**	510	**1170**	**1700**	**2570**
Metals, Dissolved																				
Calcium	mg/L	77.23	46.7	33.3	61.9	66.8	49.0	41.9	68.8	52.1	**91.7**	26.9	23.6	74.7	19.4	**101**	42.0	**137**	**117**	**181**
Magnesium	mg/L	80.89	57.1	29.5	40.6	76.7 B	45.3	41.2	57.6 B	78.0	**93.0 B**	48.3	24.7	**111**	31.4	**97.7**	22.4	**87.7**	**105 B**	**226**
Potassium	mg/L	11.68	6.30	7.82	24.3	4.05	4.74	5.99	1.30	8.00	2.32	0.862	3.82	**23.1**	1.31	1.74	7.22	**13.1**	6.05	**13.2**
Sodium	mg/L	150	**181 B**	97.5 B	121 B	**173**	**224 B**	85.8 B	**161**	91.8 B	**216**	**171 B**	**219 B**	**173 B**	**243 B**	**243 B**	118 B	127 B	**360**	**243 B**
Volatile Organic Compounds*																				
1,1-Dichloroethane	µg/L	ND	-	-	-	-	-	-	**3.9**	-	-	-	-	-	-	-	-	-	**4.8**	**1.1**
1,1-Dichloroethene	µg/L	ND	-	-	-	-	-	-	**0.87 J**	-	-	-	-	-	-	-	-	-	**0.50 J**	**0.82 J**
1,2,3-Trichlorobenzene	µg/L	ND	-	**0.69 J,B**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	µg/L	ND	-	**0.57 J,B**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	µg/L	ND	-	-	-	-	-	-	-	**4.2**	**0.45 J**	-	-	**0.55 J**	-	**1.1**	-	-	**2.2**	**1.6**
Acetone	µg/L	ND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**21 J**	-	-	-
Benzene	µg/L	ND	-	-	-	-	-	-	-	**0.26 J**	-	-	-	**0.22 J**	-	-	**0.48 J**	-	-	**1.2**
Bromodichloromethane	µg/L	ND	-	-	-	-	-	-	-	-	-	**2.1**	-	-	-	-	**0.41 J**	-	-	-
Chlorobenzene	µg/L	ND	-	-	-	-	-	-	-	**0.86 J**	-	-	-	**0.20 J**	-	-	-	-	**0.83 J**	-
Chloroform	µg/L	ND	-	-	-	-	**1.4**	-	-	-	-	**2.1**	-	-	-	-	**0.34 J**	-	-	**1.8**
cis-1,2-Dichloroethene	µg/L	ND	-	-	-	-	-	**37**	**1.2**	**15**	**0.82 J**	-	-	**32**	**0.94 J**	**5.8**	**0.44 J**	-	**0.84 J**	**330 D**
Dichlorodifluoromethane	µg/L	ND	-	-	-	-	-	-	**1.3**	**1.3**	**1.2**	-	-	**2.5**	**1.0**	**1.1**	**1.3**	-	**1.6**	-
Methyl-tert-butylether (MTBE)	µg/L	ND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**14**	-	-	**0.41 J**
Naphthalene	µg/L	ND	**0.62 J,B**	**1.5 J,B**	-	-	-	**0.72 J,B**	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	µg/L	ND	-	-	-	-	-	-	**4.1**	**1.5**	-	-	-	**1.0**	-	**0.44 J**	-	-	**1.6**	**2.7**
trans-1,2-Dichloroethene	µg/L	ND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**2.2**
Trichloroethene	µg/L	ND	-	-	-	-	-	**32**	**1.1**	**6.3**	**1.0**	-	-	**11**	-	**5.4**	**6.5**	-	**0.83 J**	**1300 D**
Vinyl chloride	µg/L	ND	-	-	-	-	-	**1.2**	-	**0.43 J**	-	-	-	-	-	-	-	-	-	**1.7**

Bolded values exceed Water Quality Protection Standards (WQPS)
mg/L - Milligrams per liter.
µg/L - Micrograms per liter.
µS/cm - Microseimens per centimeter.
"-" Not detected at concentrations greater than or equal to the laboratory method detection limit (MDL)
NE - Not established.
J- Estimated concentration below the laboratory reporting limit (RL) but above the laboratory MDL
NA - Not analyzed
D - The analyte concentration was reported from analysis of the diluted sample
B - Analyte was present in the associated method blank
QCFB - Quality Control Field Blank
QCEB - Quality Control Equipment Blank
QCTB - Quality Control Trip Blank
QCMB - Quality Control Method Blank
WQPS - Water Quality Protection Standard
*Only constituents with detectable concentrations above the laboratory MDL are reported all other VOCs were below the laboratory MDL

Table 2
Summary of Groundwater Analytical Results
Poway Landfill
Poway, California

Geosyntec consultants

			QA/QC Samples						
			QCFB			QCTB			QCEB
	Units	WQPS	7/25/2007	7/26/2007	7/27/2007	7/25/2007	7/26/2007	7/27/2007	7/27/2007
General Chemistry									
Bicarbonate	mg/L	NE	NA	NA	NA	NA	NA	NA	-
Carbonate	mg/L	NE	NA	NA	NA	NA	NA	NA	-
Chemical Oxygen Demand	mg/L	55.89	NA	NA	NA	NA	NA	NA	-
Chloride	mg/L	314	NA	NA	NA	NA	NA	NA	-
Conductivity	µS/cm	NE	NA	NA	NA	NA	NA	NA	-
Nitrate (as N)	mg/L	32.8	NA	NA	NA	NA	NA	NA	-
pH	pH	5.47-8.28	NA	NA	NA	NA	NA	NA	-
Sulfate	mg/L	292	NA	NA	NA	NA	NA	NA	1.5 J
Total Dissolved Solids (TDS)	mg/L	1115	NA	NA	NA	NA	NA	NA	-
Metals, Dissolved									
Calcium	mg/L	77.23	NA	NA	NA	NA	NA	NA	0.0729 J
Magnesium	mg/L	80.89	NA	NA	NA	NA	NA	NA	0.0162 J
Potassium	mg/L	11.68	NA	NA	NA	NA	NA	NA	0.133 J
Sodium	mg/L	150	NA	NA	NA	NA	NA	NA	0.480 J,B
Volatile Organic Compounds*									
1,1-Dichloroethane	µg/L	ND	-	-	-	-	-	-	-
1,1-Dichloroethene	µg/L	ND	-	-	-	-	-	-	-
1,2,3-Trichlorobenzene	µg/L	ND	-	-	-	-	-	-	-
1,2,4-Trichlorobenzene	µg/L	ND	-	-	-	-	-	-	-
1,4-Dichlorobenzene	µg/L	ND	-	-	-	-	-	-	-
Acetone	µg/L	ND	-	-	-	-	-	-	-
Benzene	µg/L	ND	-	-	-	-	-	-	-
Bromodichloromethane	µg/L	ND	-	-	-	-	-	-	-
Chlorobenzene	µg/L	ND	-	-	-	-	-	-	-
Chloroform	µg/L	ND	-	-	-	-	-	-	-
cis-1,2-Dichloroethene	µg/L	ND	-	-	-	-	-	-	-
Dichlorodifluoromethane	µg/L	ND	-	-	-	-	-	-	-
Methyl-tert-butylether (MTBE)	µg/L	ND	-	-	-	-	-	-	-
Naphthalene	µg/L	ND	-	-	-	-	-	-	-
Tetrachloroethene	µg/L	ND	-	-	-	-	-	-	-
trans-1,2-Dichloroethene	µg/L	ND	-	-	-	-	-	-	-
Trichloroethene	µg/L	ND	-	-	-	-	-	-	-
Vinyl chloride	µg/L	ND	-	-	-	-	-	-	-

Bolded values exceed Water Quality Protection Standards (WQPS)
mg/L - Milligrams per liter.
µg/L - Micrograms per liter.
µS/cm - Microseimens per centimeter.
"-" Not detected at concentrations greater than or equal to the laborat
NE - Not established.
J- Estimated concentration below the laboratory reporting limit (RL)
NA - Not analyzed
D - The analyte concentration was reported from analysis of the dilut
B - Analyte was present in the associated method blank
QCFB - Quality Control Field Blank
QCEB - Quality Control Equipment Blank
QCTB - Quality Control Trip Blank
QCMB - Quality Control Method Blank
WQPS - Water Quality Protection Standard
*Only constituents with detectable concentrations abov

Table 3
Summary of Soil Vapor Analytical Results
Poway Landfill
Poway, California

Geosyntec consultants

		Property Boundary soil Vapor Wells					Background Soil Vapor Wells		Offsite Soil Vapor Wells		
		PVP-1A	PVP-2A	PVP-3A	PVP-4A	PVP-4C*	PVP-5	PVP-6	VW-1A	VW-1B	VW-2A
	Units	7/23/2007	7/23/2007	7/23/2007	7/23/2007	7/23/2007	7/23/2007	7/23/2007	7/24/2007	7/23/2007	7/23/2007
VOCs by Modified EPA Method TO-15[1]											
2-Butanone (Methyl Ethyl Ketone)	ppbv	2.4	11	4.4	1.4	3.4	1.9	2.6	-	2.7	2.2
2-Propanol	ppbv	-	-	-	-	-	-	-	-	-	-
Acetone	ppbv	-	33	8.6	-	11	4.1 J	7.7	-	11	4.7 J
Benzene	ppbv	-	3.8	-	-	-	-	-	-	-	-
Carbon Disulfide	ppbv	-	6.5	-	-	-	-	-	-	-	-
Chloroform	ppbv	-	-	-	-	-	-	-	1.3	3.1	-
Ethanol	ppbv	-	7.5	-	-	-	-	-	-	-	-
Freon 113	ppbv	4.8	46	-	-	-	-	-	-	-	-
Freon 114	ppbv	1.4	1.8	-	-	-	-	-	-	-	-
Freon 12 (DCDFM)	ppbv	8.2	16	-	8.3	7.4	-	-	-	-	-
Methylene Chloride	ppbv	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	ppbv	-	-	-	3.8	3.8	-	-	-	-	-
Toluene	ppbv	-	1.9	-	-	-	-	1.2	-	1.7	-

ppbv - parts per billion by volume
"-" Analyte not detected at a concentration greater than the laboratory method detection limit (MDL)
J - Estimated concentration below the laboratory reporting limit (RL) but above the laboratory MDL
VOCs - Volatile Organic Compounds
* Duplicate samples for PVP-4A and VW-3A are labeled PVP-4C and VW-3C, respectively
DCDFM - dichlorodifluoromethane
[1] Other VOCs were not detected at concentrations greater than their respective laboratory MDL

Table 3
Summary of Soil Vapor Analytical Results
Poway Landfill
Poway, California

Geosyntec consultants

		Offsite Soil Vapor Wells									
		VW-3A	VW-3C*	VW-4A	VW-4B	VW-5A	VW-7A	VW-8A	VW-8B	VW-10	VW-11
	Units	7/24/2007	7/24/2007	7/23/2007	7/23/2007	7/24/2007	7/24/2007	7/24/2007	7/24/2007	7/24/2007	7/24/2007
VOCs by Modified EPA Method TO-15[1]											
2-Butanone (Methyl Ethyl Ketone)	ppbv	2.6	1.5	1.2	1.5	5.0	-	4.5	3.2	1.6	4.8
2-Propanol	ppbv	-	-	-	-	-	-	-	-	-	-
Acetone	ppbv	4.8	-	-	-	9.1	38	23	5.8	-	11
Benzene	ppbv	-	-	-	-	-	-	-	-	-	-
Carbon Disulfide	ppbv	-	-	-	-	8.6	-	-	-	-	-
Chloroform	ppbv	-	-	-	-	-	-	-	-	1.2	-
Ethanol	ppbv	-	-	-	-	-	-	-	-	-	-
Freon 113	ppbv	-	-	-	1.7	2.6	-	-	-	-	-
Freon 114	ppbv	-	-	-	-	-	-	-	-	-	-
Freon 12 (DCDFM)	ppbv	-	-	2.8	3.6	2.5	-	-	-	-	-
Methylene Chloride	ppbv	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	ppbv	-	-	62	69	23	-	1.9	1.4	-	-
Toluene	ppbv	-	1.2	-	-	-	-	1.4	-	1.7	-

ppbv - parts per billion by volume
"-" Analyte not detected at a concentration greater than the laboratory method detection limit (MDL)
J - Estimated concentration below the laboratory reporting limit (RL) but above the laboratory MDL
VOCs - Volatile Organic Compounds
* Duplicate samples for PVP-4A and VW-3A are labeled PVP-4C and VW-3C, respectively
DCDFM - dichlorodifluoromethane
[1] Other VOCs were not detected at concentrations greater than their respective laboratory MDL

Table 3
Summary of Soil Vapor Analytical Results
Poway Landfill
Poway, California

Geosyntec consultants

		Offsite Soil Vapor Wells			QA/QC Samples			
		VW-12	VW-13	VW-14	QCFB		QCTB	
	Units	7/24/2007	7/24/2007	7/24/2007	7/23/2007	7/24/2007	7/23/2007	7/24/2007
VOCs by Modified EPA Method TO-15[1]								
2-Butanone (Methyl Ethyl Ketone)	ppbv	1.6	1.8	3.0	-	-	-	-
2-Propanol	ppbv	-	-	-	-	7.8	-	-
Acetone	ppbv	8.5	-	8.9	-	7.5	-	-
Benzene	ppbv	-	-	-	-	-	-	-
Carbon Disulfide	ppbv	4.5	-	-	-	-	-	-
Chloroform	ppbv	-	-	-	-	-	-	-
Ethanol	ppbv	10	-	-	5.3	-	-	-
Freon 113	ppbv	25	-	4.6	-	-	-	-
Freon 114	ppbv	1.8	-	-	-	-	-	-
Freon 12 (DCDFM)	ppbv	21	-	7.5	-	-	-	-
Methylene Chloride	ppbv	2.1	-	-	-	-	-	-
Tetrachloroethene	ppbv	9.2	-	-	-	-	-	-
Toluene	ppbv	-	-	1.7	-	-	-	-

ppbv - parts per billion by volume
"-" Analyte not detected at a concentration greater than the laboratory method detection limit (MDL)
J - Estimated concentration below the laboratory reporting limit (RL) but above the laboratory MDL
VOCs - Volatile Organic Compounds
* Duplicate samples for PVP-4A and VW-3A are labeled PVP-4C and VW-3C, respectively
DCDFM - dichlorodifluoromethane
[1] Other VOCs were not detected at concentrations greater than their respective laboratory MDL

Geosyntec consultants

Table 4
Summary of Benzene, PCE, and TCE Concentrations in Soil Vapor
Poway Landfill
Poway, California

Onsite Temporary Soil Vapor Probes
May 2004

Sample ID	Date	Benzene ppbv	TCE ppbv	PCE ppbv
SG-1 @ 6'	5/5/2004	1.6	ND<0.41	1.2
SG-1 @ 9'	5/5/2004	2.7	ND<0.47	ND<0.54
SG-1 @ 14'	5/5/2004	1.2	ND<0.46	ND<0.53
SG-2 @ 7'	5/10/2004	3.8	ND<0.46	2
SG-2 @10'	5/10/2004	5.8	ND<0.41	1.5
SG-2 @ 15'	5/10/2004	2.9	ND<0.46	ND<0.53
SG-3 @ 10'	5/10/2004	8.6	ND<0.42	ND<0.49
SG-4 @ 10'	5/10/2004	9.1	ND<0.42	ND<0.48
SG-5 @ 9'	5/10/2004	7.8	2.7	73
SG-6 @ 9'	5/10/2004	4.3	ND<0.44	1
SG-7 @ 11'	5/10/2004	7.9	ND<0.4	4.2
SG-8 @ 15'	5/10/2004	20	21	17
SG-9 @ 15'	5/10/2004	38	ND<0.44	2.1
SG-9 @ 18'	5/10/2004	68	1.8	3.8
SG-9 @ 23'	5/10/2004	38	29	23

Offsite Temporary Soil Vapor Probes
June 2005

Sample ID	Date	Benzene ppbv	TCE ppbv	PCE ppbv
SG-10@1.5'	6/15/2005	12	ND<0.56	ND<0.67
SG-10@5'	6/15/2005	49	1.2	ND<0.50
SG-11@1.5'	6/15/2005	4.9	ND<0.74	ND<0.88
SG-11@5.0'	6/15/2005	47	1.3	1.3
SG-12@1.5'	6/15/2005	19	ND<0.66	25
SG-12@5.0'	6/15/2005	10	0.75	53.0
SG-13@1.5'	6/15/2005	22	ND<0.73	ND<0.87
SG-13@5.0'	6/15/2005	7.4	ND<0.65	2.1
SG-14@1.5'	6/15/2005	22	ND<0.42	ND<0.50
SG-14@5'	6/15/2005	5	ND<0.41	0.8
SG-15@1.5'	6/15/2005	12	ND<1.2	ND<1.4
SG-15@5'	6/15/2005	4.1	ND<0.43	ND<0.51
SG-16@1.5'	6/15/2005	10	ND<0.58	ND<0.70
SG-16@5'	6/15/2005	38	0.93	ND<0.51
SG-17@1.5'	6/15/2005	10	ND<0.48	ND<0.58
SG-17@5.0'	6/15/2005	21	ND<0.42	ND<0.50
SG-18@1.5'	6/15/2005	15	ND<0.47	ND<0.57
SG-18@5'	6/15/2005	14	ND<0.42	ND<0.50
SG-19@1.5'	6/15/2005	12	ND<0.64	ND<0.76
SG-19@5.0'	6/15/2005	11	ND<0.43	ND<0.52

Geosyntec consultants

Table 4
Summary of Benzene, PCE, and TCE Concentrations in Soil Vapor
Poway Landfill
Poway, California

Sample ID	Date	Benzene ppbv	TCE ppbv	PCE ppbv
Onsite Permanent Soil Vapor Wells				
Background Soil Vapor Wells				
PVP-5	4/19/2006	ND<1.3	ND<1.3	ND<1.3
	5/8/2006	ND<1.1	ND<1.1	1.2
	7/24/2006	ND<1.1	ND<1.1	ND<1.1
	1/22/2007	ND<1.1	ND<1.1	ND<1.1
	7/23/2007	ND<1.0	ND<1.0	ND<1.0
PVP-6	4/19/2006	ND<1.1	ND<1.1	ND<1.1
	5/8/2006	ND<1.2	ND<1.2	1.2
	7/24/2006	ND<1.1	ND<1.1	1.2
	1/22/2007	ND<1.1	ND<1.1	ND<1.1
	7/23/2007	ND<1.2	ND<1.2	ND<1.2
Refuse Soil Vapor Wells				
PVP-7A	4/6/2006	100	19	ND<4.7
PVP-8	4/6/2006	130	36	18
PVP-9	4/6/2006	180	37	27
PVP-10A	4/6/2006	140	19	ND<4.8
Soil Vapor Wells Underlying Refuse				
PVP-7B	4/6/2006	87	10	3.3
PVP-10B	4/6/2006	120	23	5.0
Property Boundary Soil Vapor Wells				
PVP-1	2/2/2006[1]	120	ND<7.8	ND<7.8
	2/14/2006[1]	140	ND<9.2	ND<9.2
PVP-1D	2/2/2006*	150	ND<3.1	ND<3.1
PVP-1A	4/19/2006	ND<1.3	ND<1.3	1.8
	5/8/2006	ND<1.3	ND<1.3	2.1
	7/24/2006	ND<1.3	ND<1.3	2.9
	1/22/2007	ND<1.1	ND<1.1	ND<1.1
	7/23/2007	ND<1.3	ND<1.3	ND<1.3
PVP-2A-R	2/14/2006[1]	9.5	ND<1.1	3.9
PVP-2AD-R	2/14/2006*	8.6	ND<2.4	4.2
PVP-2A	2/2/2006	19	ND<1.2	ND<1.2
	2/14/2006[1]	11	5.2	ND<4.7
	5/8/2006	ND<1.1	ND<1.1	3.6
	7/24/2006	ND<1.2	ND<1.2	3.4
	1/22/2007	ND<1.1	ND<1.1	2.5
	7/23/2007	3.8	ND<1.2	ND<1.2
PVP-2B-R	2/14/2006[1]	100	ND<32	ND<32
PVP-2B	2/2/2006[1]	ND<1.1	ND<1.1	ND<1.1
	2/14/2006	ND<2.3	ND<2.3	ND<2.3
	5/8/2006[1]	3.0	ND<3.0	ND<3.0
PVP-3A	2/2/2006	36	ND<1.2	ND<1.2
	2/14/2006[1]	26	ND<1.2	ND<1.2
	4/19/2006	1.4	ND<1.3	ND<1.3
	4/19/2006*	5.4	ND<1.1	5.4
	5/8/2006	1.5	ND<1.2	4.2
	5/8/2006*	1.3	ND<1.2	1.4
	7/24/2006	ND<1.2	ND<1.2	1.2
	1/22/2007	ND<1.1	ND<1.1	ND<1.1
	1/22/2007*	ND<1.1	ND<1.1	1.1
	7/23/2007	ND<1.2	ND<1.2	ND<1.2
PVP-3B	2/2/2006	58	ND<6.2	ND<6.2
	2/14/2006	92	ND<4.8	ND<4.8
	4/19/2006	6.2	ND<1.2	5.6
	5/8/2006	7.0	ND<1.3	3.8
PVP-4A	4/20/2006	ND<1.1	ND<1.1	3.2
	5/8/2006	ND<1.2	ND<1.2	3.4
	7/24/2006	ND<1.2	ND<1.2	4.0
	1/22/2007	ND<1.2	ND<1.2	2.2
	7/23/2007	ND<1.2	ND<1.2	3.8
	7/23/2007*	ND<1.3	ND<1.3	3.8
PVP-4B	5/8/2006[1]	ND<370	ND<370	ND<370

Geosyntec consultants

Table 4
Summary of Benzene, PCE, and TCE Concentrations in Soil Vapor
Poway Landfill
Poway, California

Offsite Permanent Soil Vapor Wells

Sample ID	Date	Benzene ppbv	TCE ppbv	PCE ppbv
100 - 250 feet from Property Boundary				
VW-1A	4/20/2006	ND<4.9	ND<4.9	ND<4.9
	5/8/2006	ND<1.2	ND<1.2	ND<1.2
	7/24/2006	ND<1.2	ND<1.2	ND<1.2
	7/24/2006*	1.5	ND<1.2	ND<1.2
	1/22/2007	ND<1.1	ND<1.1	ND<1.1
	7/24/2007	ND<1.3	ND<1.3	ND<1.3
VW-1B	4/20/2006	2.9	ND<1.2	3.3
	5/9/2006	ND<1.2	ND<1.2	3.3
	7/24/2006	ND<1.2	ND<1.2	1.6
	1/22/2007	ND<1.1	ND<1.1	ND<1.1
	7/23/2007	ND<1.3	ND<1.3	ND<1.3
VW-2A	4/20/2006	5.9	ND<1.1	4.1
	4/20/2006*	6.5	ND<1.2	4.1
	5/9/2006	1.2	ND<1.2	2.5
	7/25/2006	ND<1.3	ND<1.3	ND<1.3
	1/22/2007	ND<1.1	ND<1.1	ND<1.1
	7/23/2007	ND<1.2	ND<1.2	ND<1.2
VW-2B	5/11/2006[1]	ND<220	ND<220	ND<220
VW-3A	4/20/2006	ND<1.1	ND<1.1	ND<1.1
	5/9/2006	ND<1.2	ND<1.2	ND<1.2
	7/24/2006	ND<1.2	ND<1.2	ND<1.2
	1/23/2007	ND<1.0	ND<1.0	ND<1.0
	7/24/2007	ND<1.2	ND<1.2	ND<1.2
	7/24/2007*	ND<1.2	ND<1.2	ND<1.2
VW-3B	5/11/2006[1]	ND<81	ND<81	ND<81
VW-4A	4/24/2006	ND<1.2	ND<1.2	51
	5/9/2006	ND<1.2	ND<1.2	59
	5/9/2006*	ND<1.1	ND<1.1	49
	7/25/2006	ND<1.2	ND<1.2	73
	1/22/2007	ND<1.1	ND<1.1	9.6
	7/23/2007	ND<1.1	ND<1.1	62
VW-4B	4/24/2006	6.0	ND<1.1	62
	5/9/2006	2.4	1.5	88
	7/25/2006	ND<1.3	ND<1.3	69
	1/22/2007	ND<1.2	ND<1.2	60
	7/23/2007	ND<1.2	ND<1.2	69
VW-5A	5/9/2006	ND<1.2	1.8	19
	7/24/2006	ND<1.2	ND<1.2	20
	1/23/2007	ND<1.1	ND<1.1	8.2
	7/24/2007	ND<1.1	ND<1.1	23
VW-5B	5/11/2006[1]	ND<19	ND<19	ND<19
VW-6A	5/10/2006	3.8	ND<1.2	6.2
	7/24/2006	ND<1.3	ND<1.3	3.1
	1/23/2007	ND<1.1	ND<1.1	ND<1.1
VW-6B	5/11/2006[1]	ND<10	ND<10	11

Geosyntec consultants

Table 4
Summary of Benzene, PCE, and TCE Concentrations in Soil Vapor
Poway Landfill
Poway, California

Offsite Permanent Soil Vapor Wells

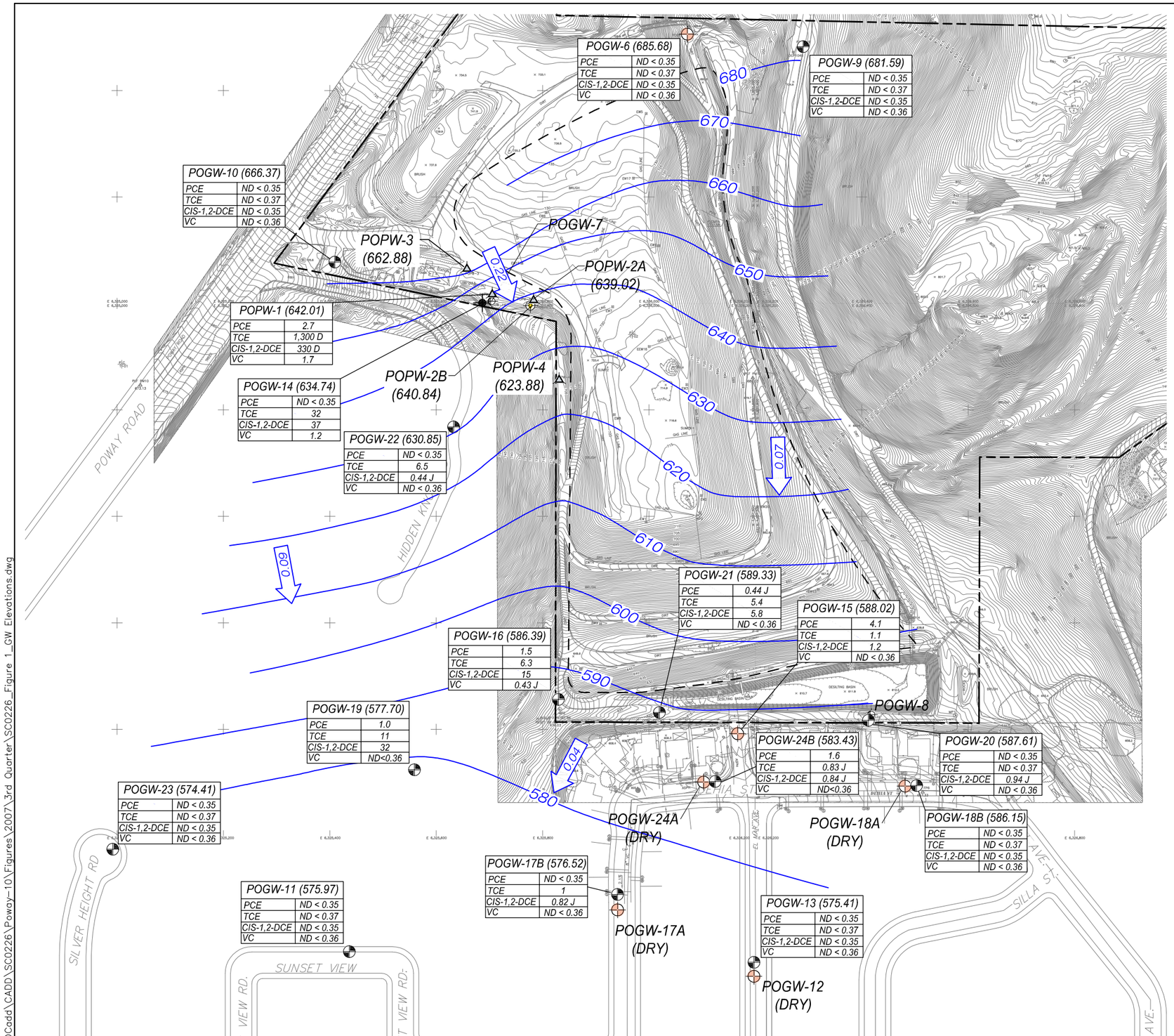
Sample ID	Date	Benzene ppbv	TCE ppbv	PCE ppbv
300 - 500 feet from Property Boundary				
VW-7A	4/24/2006	2.6	19	3.7
	4/24/2006*	2.6	19	3.6
	5/10/2006	2.2	5.6	2.0
	7/25/2006	ND<1.2	ND<1.2	2.6
	1/23/2007	ND<1.1	ND<1.1	ND<1.1
	7/24/2007	ND<1.2	ND<1.2	ND<1.2
VW-8A	4/24/2006	ND<1.1	3.7	2.1
	5/9/2006	ND<1.2	2.8	2.2
	7/25/2006	ND<1.2	ND<1.2	2.8
	7/25/2006*	ND<1.2	ND<1.2	3
	1/23/2007	ND<1.1	ND<1.1	ND<1.1
	1/23/2007*	ND<1.1	ND<1.1	ND<1.1
	7/24/2007	ND<1.2	ND<1.2	1.9
VW-8B	4/25/2006	ND<1.1	ND<1.1	1.7
	5/9/2006	ND<1.1	ND<1.1	1.9
	7/25/2006	ND<1.1	ND<1.1	1.9
	1/23/2007	ND<1.1	ND<1.1	ND<1.1
	7/24/2007	ND<1.2	ND<1.2	1.4
VW-9	5/11/2006[1]	ND<150	ND<150	ND<150
VW-10	4/25/2006	ND<1.1	ND<1.1	ND<1.1
	4/25/2006*	ND<1.2	ND<1.2	ND<1.2
	5/10/2006	2.5	ND<1.1	ND<1.1
	7/25/2006	ND<1.2	ND<1.2	ND<1.2
	1/23/2007	1.3	ND<1.1	ND<1.1
	7/24/2007	ND<1.2	ND<1.2	ND<1.2
Greater than 500 feet from Property Boundary				
VW-11	4/25/2006	1.5	ND<1.1	ND<1.1
	5/10/2006	1.8	ND<1.1	ND<1.1
	5/10/2006*	ND<1.1	ND<1.1	1.3
	7/25/2006	ND<1.2	ND<1.2	ND<1.2
	1/23/2007	ND<1.1	ND<1.1	ND<1.1
	7/24/2007	ND<1.3	ND<1.3	ND<1.3
VW-12	5/10/2006	ND<1.2	ND<1.2	4.3
	6/1/2006	ND<1.1	ND<1.1	6.7
	6/1/2006*	ND<1.2	ND<1.2	6.7
	7/25/2006	ND<1.2	ND<1.2	9.3
	1/23/2007	ND<1.2	ND<1.2	3.6
	7/24/2007	ND<1.1	ND<1.1	9.2
VW-13	5/10/2006	5.0	4.2	2.6
	6/1/2006	ND<1.3	2.4	5.3
	7/25/2006	ND<1.3	ND<1.3	2.8
	1/23/2007	ND<1.2	ND<1.2	ND<1.2
	7/24/2007	ND<1.3	ND<1.3	ND<1.3
VW-14	5/10/2006	3.7	3.5	1.4
	6/1/2006	ND<1.3	4.0	1.5
	7/25/2006	ND<1.3	ND<1.3	ND<1.3
	1/23/2007	ND<1.1	ND<1.1	ND<1.1
	7/24/2007	ND<1.2	ND<1.2	ND<1.2

ppbv -parts per billion by volume

* Duplicate sample collected at vapor well

[1] - Tracer gas breakthough in soil vapor well

FIGURES



LEGEND

POGW-12	ALLUVIAL GROUNDWATER MONITOR WELL
POGW-9	UPPER FRACTURE ZONE GROUNDWATER MONITOR WELL
POPW-1	UPPER FRACTURE ZONE GROUNDWATER PIEZOMETER
POPW-2B	INTERMEDIATE FRACTURE ZONE GROUNDWATER PIEZOMETER
POGW-14	LOWER FRACTURE ZONE GROUNDWATER MONITOR WELL
POGW-8	DESTROYED GROUNDWATER MONITOR WELL
	APPROXIMATE PROPERTY BOUNDARY
	ESTIMATED LIMITS OF TRASH/REFUSE
	EXISTING PAVED ROAD
	EXISTING DIRT ROAD
620	GROUNDWATER ELEVATION CONTOUR (10 FT INTERVALS)
0.09	APPROXIMATE GROUNDWATER FLOW DIRECTION AND HYDRAULIC GRADIENT (FT/FT)

POGW-19 (580.64)

PCE	1.3
TCE	13
CIS-1,2-DCE	31
VC	ND < 0.33

MONITOR WELL ID WITH GROUNDWATER ELEVATION AND PRIMARY COC CONCENTRATIONS IN µg/L

(J - COC DETECTED AT A CONCENTRATION BETWEEN THE METHOD DETECTION LIMIT AND THE REPORTING LIMIT, CONCENTRATION IS ESTIMATED)

NOTES:

1. *GROUNDWATER ELEVATIONS IN FEET ABOVE MEAN SEA LEVEL.*
2. *WELLS POGW-6, POGW-12, POGW-15, POGW-17A, POGW-18A, AND POGW-24A ARE ALLUVIAL WELLS AND ARE NOT USED IN GROUNDWATER CONTOURING. POPW-2B IS AN INTERMEDIATE FRACTURE ZONE WELL AND WAS NOT USED IN GROUNDWATER CONTOURING. POGW-14 IS A DEEP FRACTURE ZONE WELL AND WAS NOT USED IN GROUNDWATER CONTOURING.*
3. *COC - CONSTITUENTS OF CONCERN*

200 100 0 200

SCALE IN FEET

BASE MAP REFERENCE:
STEWART GEO TECHNOLOGIES JULY 2002

GROUNDWATER ELEVATIONS, FLOW DIRECTION AND COC CONCENTRATIONS
28 AUGUST 2007
POWAY LANDFILL
POWAY, CALIFORNIA

Geosyntec consultants

DATE: OCTOBER 2007

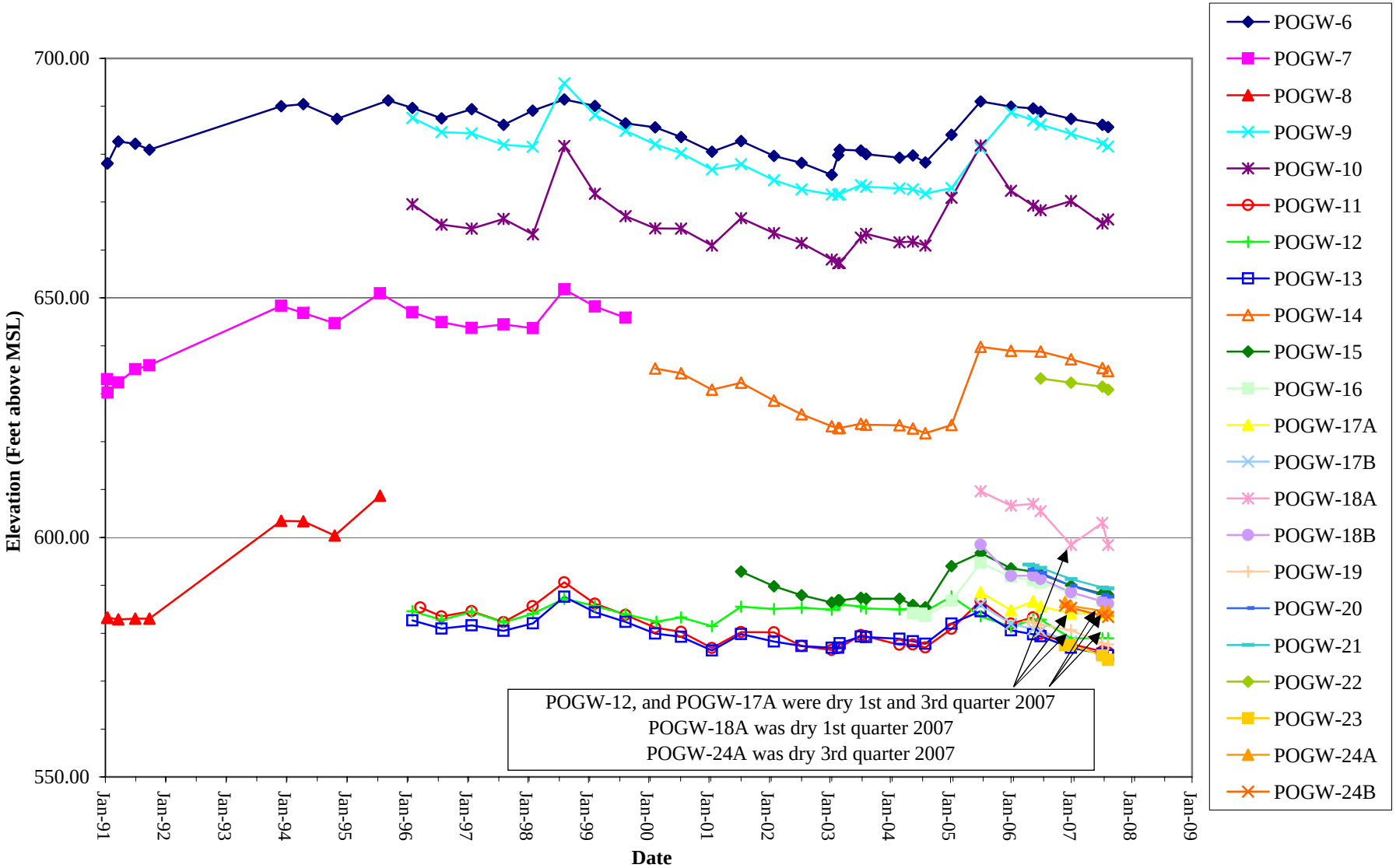
PROJECT NO. SC0226-04-10

FIGURE 1

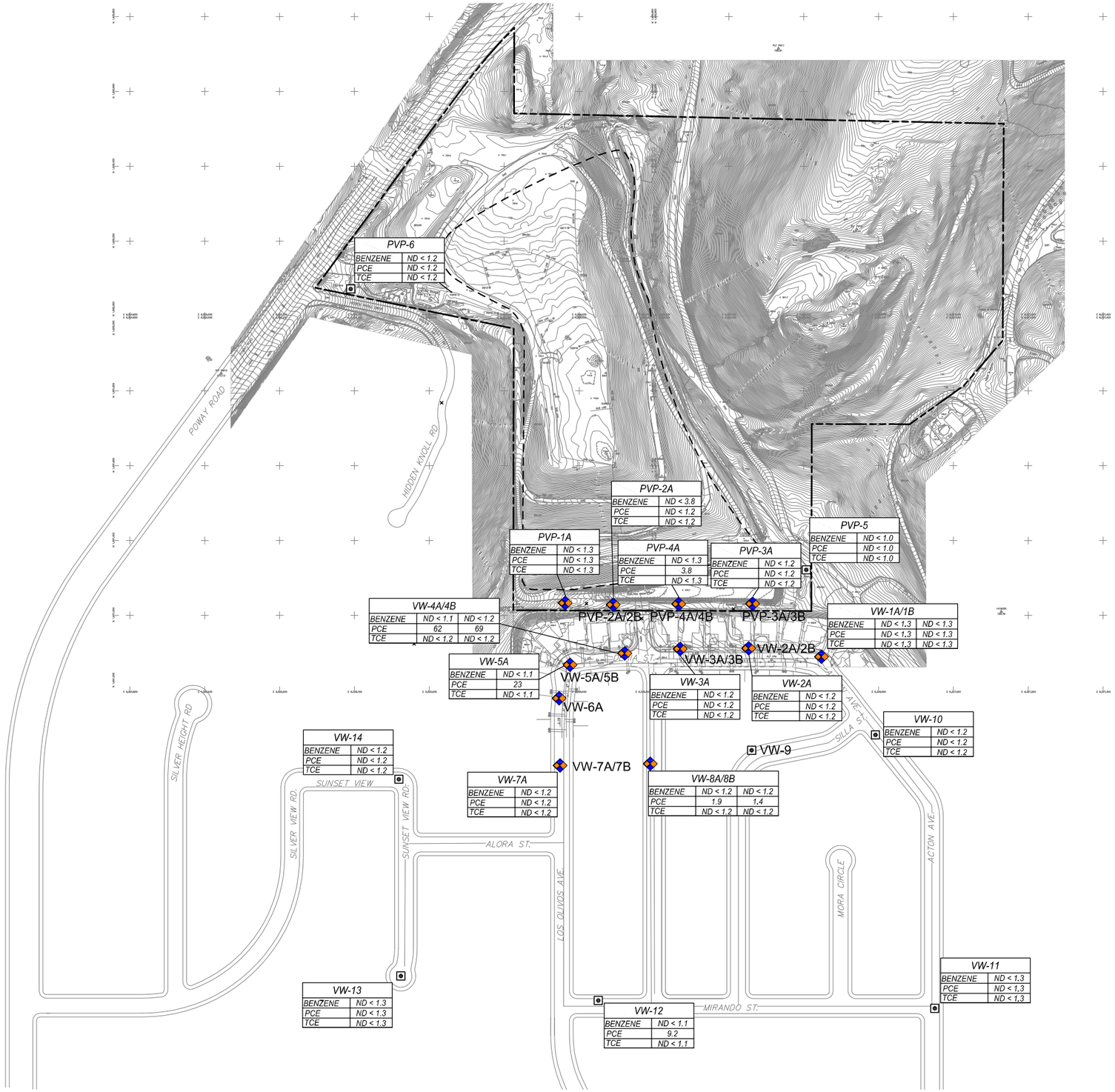
P:\PRJ\SDCadd\CADD\SC0226\Poway-10\Figures\2007\3rd Quarter\SC0226_Figure 1_GW Elevations.dwg

Figure 2
Groundwater Elevation Fluctuations
Poway Landfill

Geosyntec consultants



p:\sdwp\2003\SC0226\reports\Table 1 & Figure 2 watlev.xls\pow_hyd



LEGEND

SOIL VAPOR WELL CLUSTER

VAPOR WELL (5 FEET BGS)

APPROXIMATE PROPERTY BOUNDARY

APPROXIMATE TRASH/REFUSE BOUNDARY

EXISTING PAVED ROAD

EXISTING DIRT ROAD

VW-11	
BENZENE	ND < 1.1
PCE	ND < 1.1
TCE	ND < 1.1

SOIL VAPOR WELL ID WITH PRIMARY RISK-DRIVING COC CONCENTRATIONS IN PARTS PER BILLION BY VOLUME (ppbv)

N

NOTES:

1. CIS-1,2-DICHLOROETHENE AND VINYL CHLORIDE WERE NOT DETECTED AT CONCENTRATIONS GREATER THAN THE REPORTING LIMIT IN ONSITE OR OFFSITE SOIL VAPOR SAMPLES COLLECTED DURING THE JULY 2007 SAMPLING EVENT.
2. ND - NON DETECT
3. COC - CONSTITUENTS OF CONCERN

300 150 0 300

SCALE IN FEET

BASE MAP REFERENCE:
STEWART GEO TECHNOLOGIES JULY 2002

SOIL VAPOR SAMPLE LOCATIONS AND COC CONCENTRATIONS
23 JULY 2007
POWAY LANDFILL
POWAY, CALIFORNIA

Geosyntec consultants

DATE: OCTOBER 2007

PROJECT NO. SC0226-04-10

FIGURE 3

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APPENDIX A

Site Maintenance Reports

DPW Monthly Closed Disposal Site Inspection

Facility Name: Poway LF **Date: 4-24-07**
Facility Location: 14600 Poway Rd., Poway CA 92064 **Inspection Time: 7:00-9:00**
Inspector: Raul Gabbert, DPW

Title 27 CCR Section **A: Acceptable** **UA: Unacceptable**	**A**	**UA**	**Comments**
20750-Site Maintenance	X		Cracks on slope near SE corner of deck filled in (pic 11).
20919.5-Explosive Gas Control	X		SCS Engineers performs ambient air monitoring on a monthly basis along LFG extraction piping and quarterly surface sweeps.
20921-Gas Monitoring and Controls	X		
20650-Grading of Fill Surfaces	X		No obvious signs of ponding (pics 1 & 2).
21140-Final Cover	X		
21142-Final Grading	X		
21145-Slope Stability	X		Slopes appear stable (pics 3-6, 9, 10).
21150-Drainage/Erosion Control	X		Desiltation pond clean (pic 8). Drain inlet on top deck clear (pic 12). Some gravel bags near main entrance will need replacing (pic 7).
20830-Litter Control	X		
20530-Site Security	X		

DPW Monthly Closed Disposal Site Inspection

Title 27 CCR Definitions

20530-Site Security-The site shall be designed to discourage unauthorized access by persons and vehicles by using a perimeter barrier or topographic constraints. Areas within the site where open storage or ponding of hazardous materials occurs shall be separately fenced or otherwise secured as determined by the EA. The EA may also require that other areas of the site be fenced to create an appropriate level of security.

20650-Grading of Fill Surfaces- Covered surfaces of the disposal area shall be graded to promote lateral runoff of precipitation and to prevent ponding. Grades shall be established of sufficient slopes to account for future settlement of the fill surface. Other effective methods may be allowed by the EA.

21140-Final Cover- The final cover shall function with minimum maintenance and provide waste containment to protect public health and safety. The EA may require additional thickness, quality, and type of final cover.

21142-Final Grading- Final grades must be designed and maintained to reduce impacts to health and safety and take into consideration any postclosure land use.

21145-Slope Stability- Integrity of final slopes shall be maintained.

21150-Drainage/Erosion Control- Final drainage and erosion system shall be designed and maintained to ensure integrity of postclosure land uses, roads, and structures; to prevent public contact with waste and leachate; to ensure integrity of gas monitoring and control systems; to prevent safety hazards, and prevent exposure of waste.

20830-Litter Control- Litter shall be controlled, routinely collected and disposed of properly. Windblown materials shall be controlled to prevent injury to the public and personnel. Controls shall prevent the accumulation, or off-site migration, of litter quantities that create a nuisance or cause other problems.

20919.5-Exposive Gas Control- (a) Concentration of methane gas generated by the facility does not exceed 25% of the LEL for methane in facility structures and does not exceed the LEL at the facility property boundary. (b) Routine methane monitoring program implemented. (c) If levels exceeded, necessary steps taken to ensure protection of human health.

20921-Gas Monitoring and Controls- (a) Concentration of methane gas must not exceed 1.25% by volume in air within on-site structures, concentration of methane migrating from the landfill must not exceed 5% by volume in air at the facility property boundary or an alternative boundary, trace gases shall be controlled to prevent adverse acute and chronic exposure to toxic and/or carcinogenic compounds. (b) Program shall continue for a period of 30 years or until the operator receives written authorization to discontinue.

20750-Site Maintenance- The operator shall implement a preventative maintenance program to monitor and promptly repair or correct deteriorated or defective conditions with respect to requirements of the CIWMB standards, and conditions established by the EA. All other aspects of the disposal site shall be kept in a state of reasonable repair.

Poway Landfill – Photos

4/24/2007

	Pic 1 View of top deck, looking S.
	Pic 2 View of top deck, looking N.
	Pic 3 View of E facing slope and bench, looking S.

Poway Landfill – Photos

4/24/2007

	Pic 4 View of S facing slope and topmost bench, looking E.
	Pic 5 View of S facing slope and middle bench, looking E.
	Pic 6 View of S facing slope, lowest bench and desiltation pond, looking E.

Poway Landfill – Photos

4/24/2007

	Pic 7 Gravel bags near main gate. Most bags in good shape, but a few have been run over and will be replaced.
	Pic 8 View of desiltation pond, looking W.
	Pic 9 View of SE corner of landfill, looking NW.

Poway Landfill – Photos

4/24/2007

	Pic 10 View of SE corner, from deck, looking SE.
	Pic 11 View of filled in surface cracks near SE corner of deck.
	Pic 12 Drain inlet on top deck. All clear and in good condition.

Monthly Closed Disposal Site Inspection

Facility Name: **Poway Landfill** **Date: 8/6/07**
Facility Location: **Inspection Time: 1030 to 1230**
Inspector: Pulver

Title 27 CCR Section **A: Acceptable** **UA: Unacceptable**	**A**	**UA**	**Comments**
20750-Site Maintenance	X		Increased rodent activity on south central portion of top deck. Broken lock on well POGW16. GeoSyntec notified to replace lock and to make sure wells are locked and secured.
20919.5-Explosive Gas Control	NA	NA	LFG monitoring conducted by SCS Field Services.
20921-Gas Monitoring and Controls	NA	NA	LFG monitoring conducted by SCS Field Services.
20650-Grading of Fill Surfaces	X		
21140-Final Cover	X		Noted rodent activity
21142-Final Grading	X		
21145-Slope Stability	X		Cracks observed on slope in vicinity of LFG extraction welld 2, 20, and 23. Cracks have not increased in size since July 2007 site inspection
21150-Drainage/Erosion Control	X		Drains and culverts are clear of debris.
20830-Litter Control	X		
20530-Site Security	X		All gates locked and fences secured.

Monthly Closed Disposal Site Inspection

Title 27 CCR Definitions

20530-Site Security-The site shall be designed to discourage unauthorized access by persons and vehicles by using a perimeter barrier or topographic constraints. Areas within the site where open storage or ponding of hazardous materials occurs shall be separately fenced or otherwise secured as determined by the EA. The EA may also require that other areas of the site be fenced to create an appropriate level of security.

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21140-Final Cover- The final cover shall function with minimum maintenance and provide waste containment to protect public health and safety. The EA may require additional thickness, quality, and type of final cover.

21142-Final Grading- Final grades must be designed and maintained to reduce impacts to health and safety and take into consideration any postclosure land use.

21145-Slope Stability- Integrity of final slopes shall be maintained.

21150-Drainage/Erosion Control- Final drainage and erosion system shall be designed and maintained to ensure integrity of postclosure land uses, roads, and structures; to prevent public contact with waste and leachate; to ensure integrity of gas monitoring and control systems; to prevent safety hazards, and prevent exposure of waste.

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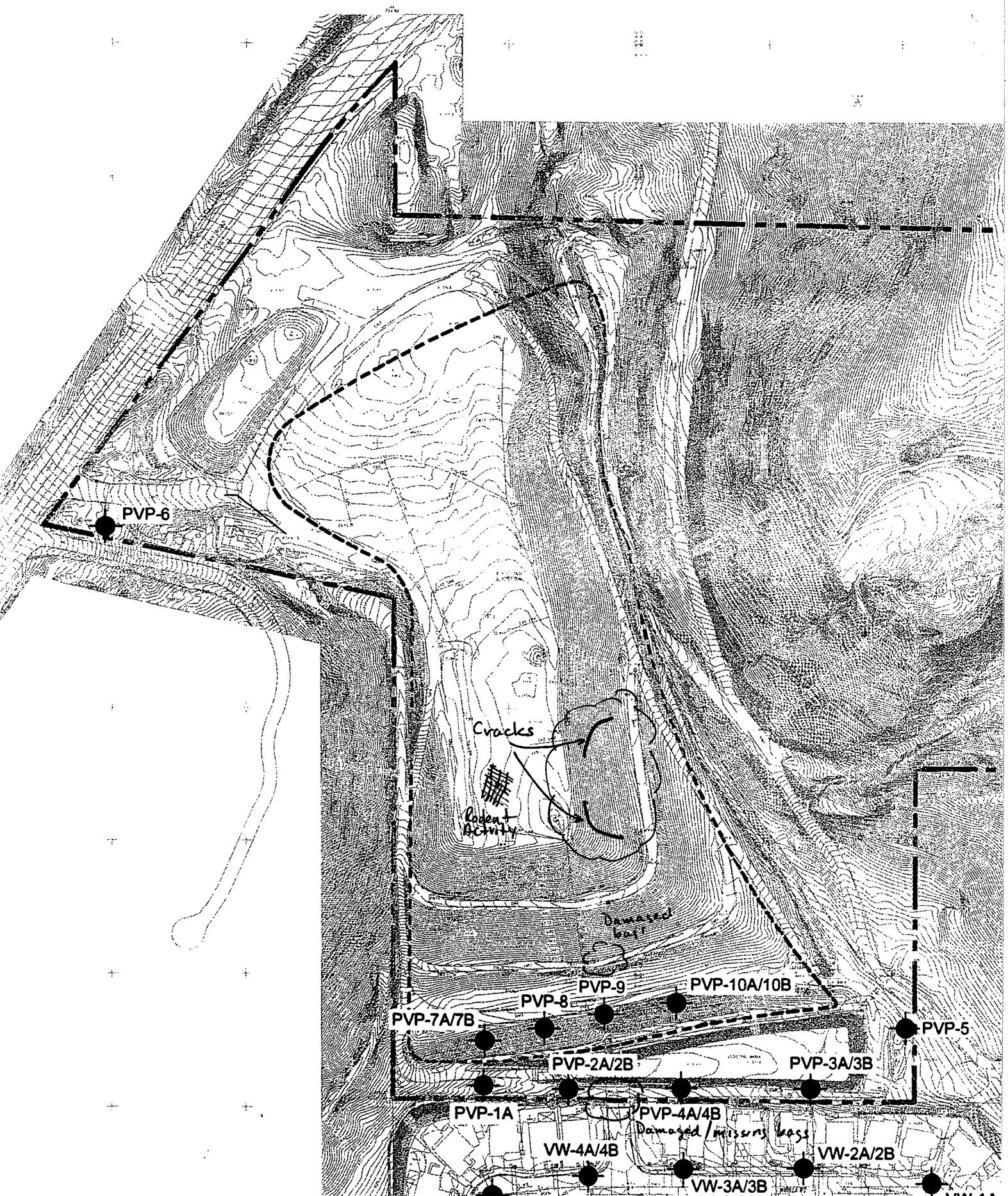
PVP-6
Cracks
Rodent Activity
Damaged box
PVP-9
PVP-10A/10B
PVP-8
PVP-7A/7B
PVP-5
PVP-2A/2B
PVP-3A/3B
PVP-1A
PVP-4A/4B
Damaged / missing box
VW-4A/4B
VW-2A/2B
VW-3A/3B

Poway Landfill – Photos

8/6/2007

	Top deck
	Recent rodent activity on top deck – for location see attached map.
	Broken lock at POGW-16. Notified GeoSyntec to replace lock and make sure that wells are properly locked.

Poway Landfill – Photos

8/6/2007

	Damaged bags on west side of spillway and missing bags on north side of spillway.
	Damaged bags on south slope – see attached figure for location.
	Crack on southeast slope – see figure for location. The observed cracks have not increased in size from July 2007 inspection.

Poway Landfill – Photos

8/14/2007

	Broken lock at POGW 16 replaced.

APPENDIX B

Groundwater and Soil Vapor Sample Collection and Field Calibration Logs

Groundwater Collection and Field Calibration Logs

BBC ENVIRONMENTAL, INC.

3593 Adams Avenue, San Diego, CA 92116

July 27, 2007

Mr. Dave Skippon
GeoSyntec Consultants
10875 Rancho Bernardo Rd., Suite 200
San Diego, CA 92127
Via Email: Mr. Dave Skippon < dskippon@geosyntec.com >

RE: TRANSMITTAL OF THE THIRD QUARTER 2007 GROUNDWATER MONITORING AND SAMPLING FIELD DATA SHEETS FOR THE POWAY LANDFILL

Mr. Skippon:

BBC Environmental, Inc. (BBC) performed groundwater monitoring and sampling activities at the above referenced location on July 25-27, 2007. Please find enclosed one copy of the Groundwater Sampling Collection Log and corresponding Chain(s) of Custody for this third quarter event.

Should you have any questions with regards to this matter, please do not hesitate to contact me directly at (619) 546-7165. The opportunity to be of service is greatly appreciated

Thank You,
BBC ENVIRONMENTAL, INC.

Mr. Rory Klinger
Environmental Scientist

Enclosures (5):
Groundwater Gauging Sheet dated July 25, 2007
Groundwater Sampling Collection Logs dated July 25-27, 2007
Calibration Log dated July 25-27, 2007
Chain(s) of Custody dated July 25-27, 2007
Summary of Sampling Procedures dated July 25-27, 2007

Poway Landfill
WDR 94-165

VOCs by 8260

Gen. Chem. Bicarbonate
Carbonate
Chloride
COD
nitrate (as N)
sulfate
TDS

Dissolved Metals: calcium
(EPA 6010B) magnesium
potassium
sodium

Wells:

- POGW-6
- POGW-9
- POGW-10
- POGW-11
- POGW-12
- POGW-13
- POGW-14
- POGW-15
- POGW-16
- POGW-17A
- POGW-17B
- POGW-18A
- POGW-18B
- POGW-19 use low flow purging techniques
- POGW-20
- POGW-21
- POGW-22
- POGW-23 new monitor well in Silver Hights Road Cul-de-Sac
- POGW-24A new monitor well at intersection of Dehia and El Mar Avenue
- POGW-24B new monitor well at intersection of Dehia and El Mar Avenue
- POPW-1

DO/ORP/pH/conductivity/temp/turbidity
Measure in field using flow through cell during purging and sampling
No insitu DO/ORP measurements required prior to purging

Notes:
1) Pick up control box at Geosyntec for POGW-19 - Pick up on way back Wed. Purge 5 hours.
2) POGW-23 and POGW-24B equipped with dedicated 2-inch pumps
3) POGW-23 - slow recharge well
4) POGW-24B fast recharging well sustains 0.4 GPM (134Hz)
5) POGW-24A slow recharge - use diposable bailer (less than 2 feet of water)
sample at beginning of day

QCFB 7/27/07
1501
Near 22
Sunny 90°F
QCEB Same
1510

Analyte	Preservative	Container
VOCs	HCL	3X40ml VOAs
TDS only	None	1Lx1L Poly
General Chemistry and Metals	None	1Lx1L Poly
COD	H_2S0_4	1x 250ml Glass
SVOCS	$Na_2S_2O_3$	1Lx1L amber glass
Oil and Grease	H_2S0_4	1Lx1L amber glass
Pesticides	$Na_2S_2O_3$	1Lx1L amber glass
Cyanide	NaOH	1x500ml poly
PCBs	$Na_2S_2O_3$	1x1L amber

Mark all chain of custodies " Filter and preserve metals samples upon receipt at laboratory" and EDF required

1) Wells with 80 percent recovery within 2 hours

Fast - Purge 1.5 borehole volumes if field parameters have stabilized,
if field parameters have not stabilized continue purging up to 3 borehole volumes.
If the well goes dry wait for sufficient recharge in order to continue purging.

Obtain samples after the water level has recovered
to 80 percent of the pre-purge level

2) Wells with less than 80 percent recovery within 2 hours

Slow Recharging Wells- Pump the well until it goes dry.

Obtain samples as soon after 2 hours as possible

if after 2 hours well has recovered to 80 percent or greater sample as a fast recharge well

3) The following wells should be sampled at the beginning of the sampling event due to very slow recharge

San Marcos II	SMGW-26	
	SMGW-33	
Jamacha	JAGW-12A	
	JAGW-12B	
	JAGW-1OE	
Poway	POGW-9	Pump and Hand Bail
	POGW-10	
	POGW-11	
	POGW-12	
	POGW-15	

2)Low flow samplinng SAM Guidelines

Poway - POGW-19 only

3) New monitor wells

POGW-19	flow rate 100 to 140 ml/min (0.45 feet drawdown at 140 ml/min)
POGW-20	fast recovery attempt 0.3-0.5 gallons/minute
POGW-21	fast recovery 0.3-0.5 gallons/minute (drawdrown ~ 7 feet)

1) The following QC samples designation replace all existing QC sample desigations

QCFB	field blank
QCEB	equipment blank
QCTB	trip blank

2)Due to Geotracker the following sample designation have changed

	Old Desigation	**New Designation**
Encinitas	Shallow Well	**Shw Well**

3) Palomar:MW-30 purge water including MW-28 purge water needs to be drumed

4) No MNA monitoring at Poway Landfill. Continue DO/ORP measurements with flow through cell

5) Valley Center:

no vehicle access to VCGW-6A and VCGW-6B
pickup Geoprobe control box/battery at GeoSyntec

New Address:10875 Rancho Bernardo Road, Suite 200

6) sm2 coaxial cable water level meter needed for smgw-16

SUMMARY OF SAMPLING PROCEDURES
COUNTY OF SAN DIEGO INACTIVE LANDFILL SITES

Groundwater sampling procedures at the County of San Diego Inactive Landfill Sites shall follow procedures outlined in the most current version of the County of San Diego Department of Environmental Health Site Assessment and Mitigation (SAM) manual. The following is intended as a summary of these procedures, and provides a means for the subcontractor (BBC Environmental) to certify that these procedures were followed.

Water Level Gauging

Water levels will be gauged prior to the start of each sampling event using an electronic depth sounder to the nearest 1/100 of a foot from the surveyed elevation point on the top of each well casing or sounding tube. Any immiscible fluids on the water level meter will be noted on the sampling logs. The water level meter will be decontaminated between wells by washing in a solution of Alquinox, followed by rinsing with distilled water.

The condition of each monitor well shall be documented on the sampling forms (i.e. well seal, well bolts, well pad, well lock). Should any wells be in need of repair (i.e., missing bolts, inoperable well locks, or other damage) notify GeoSyntec immediately of the damage.

Well Purging and Sampling

The dedicated Grundfos sampling system in each monitor well shall be used for purging and sampling. If the sampling system is non-operational a single-use disposable bailer or portable Grundfos pump shall be used. Purging at domestic or corrective action wells shall consist of removing 50 gallons of water prior to sampling.

Fast recovering monitor wells (>80 percent recovery in two hours)

A minimum of one and one half borehole volumes of water should be removed from each well if field water quality measurements have stabilized within 10 percent. If field water quality parameters have not stabilized, continue purging until field parameters have stabilized or until 3 borehole volumes have been removed, whichever occurs first.

Once purging is completed and field parameters have stabilized fast recovering wells may be sampled after the water level has recovered to at least 80 percent of the pre-purge water level.

Slow recovering monitor wells (<80 percent recovery in two hours)

Remove one borehole volume of water. Obtain sample as soon after 2 hours as possible.

Sample Collection and Handling

Groundwater samples will be collected directly from the dedicated discharge tubing of the pump into the appropriate containers supplied by the analytical laboratory. Groundwater samples from domestic wells should be collected from the spigot closest to the wellhead. Volatile organics analyses (VOA) samples should be collected by slowing the pumping rate to a thin flowing stream, and filling the sample bottles. The VOA sample bottles shall be completely filled and contain no air bubbles.

A single-use disposable polyethylene bailer may be used for sampling slow recharge wells. The nylon cord used to lower the bailer should be discarded after each use.

Immediately following sample collection, the groundwater samples will be capped, labeled, sealed in plastic bags, and placed into a sample cooler maintained at a temperature of about 4°C. The individual who collects the samples will prepare them for shipment, complete the chain-of-custody form, and sign the chain of custody form when transferring the samples to the laboratory courier. All groundwater samples should be submitted to the analytical laboratory within 24 hours of sample collection.

Equipment Decontamination

Portable Pump Decontamination

The exterior of the pump and tubing will be cleaned by washing in a solution of Alquinox, and rinsing with distilled water. The interior of the pump and tubing shall be cleaned by circulating a solution of Alquinox for several minutes. The interior of the pump and tubing will be rinsed with distilled water. A rinsate equipment blank shall be collected following pump decontamination in order to ensure equipment decontamination procedures were adequate.

Calibration Records

Water quality meters shall be calibrated at the start of each day of sampling, or as needed during the sampling event, and documented on a calibration log. At the conclusion of each day of sampling, calibration drift will be measured by placing each water quality meter into the appropriate calibration solutions, and documenting on the calibration log.

Field Forms

Field data including chain of custody documentation, sampling sheets, water level gauging sheets and calibration records shall be faxed to GeoSyntec Consultants on the day groundwater samples are submitted to the analytical laboratory. Hard copies of the field sheets shall be submitted to GeoSyntec within two weeks following sampling.

I certify that the procedures detailed herein were followed during groundwater sampling activities at the Poway **landfill on** 7/25-27/07 **by** Rory Klinger **(BBC Environmental).**

GEOSYNTEC CONSULTANTS

CALIBRATION LOG FOR WATER SAMPLING
POWAY LANDFILL 3Q07

Date	Time	Instrument Description			Calibration Fluid						Reading				Comments
		Brand	Type	Serial #	Brand	Lot #	pH	Cond (uS/cm)	Turb (NTU)	DO (mg/L)	pH	Cond (uS/cm)	Turb (NTU)	DO (mg/L)	
7/25/07	0615	Hanna	Water	M108435	Hanna	G1791	4	----	----	----	4	----	----	----	
↑		Hanna	Water	"	Hanna	G1359	7	----	----	----	7	---	----	----	
		Hanna	Water	"	Hanna	G1707	----	1358@23°C	----	----	---	1358@23°C	----	----	
↓		Hach	Turbidity	34579	Hach	4020/4020	----	----	0/20	----	----	----	0/20	---	
7/25/07	0615	Orion	Cond.	#1	Hanna	G1109	----	12390@23°C	----	---	---	12400@23°C	---	---	
		Hanna	Water		Hanna		4	----	----	----		----	----	----	
		Hanna	Water		Hanna		7	----	----	----		---	----	----	
		Hanna	Water		Hanna		----		----	----	---		----	----	
		Hach	Turbidity		Hach		----	----	0/20	----	----	----		---	
		Orion	Cond.		Hanna		----		----	---	---		---	---	
		Hanna	Water		Hanna		4	----	----	----		----	----	----	
		Hanna	Water		Hanna		7	----	----	----		---	----	----	
		Hanna	Water		Hanna		----		----	----	---		----	----	
		Hach	Turbidity		Hach		----	----	0/20	----	----	----		---	
		Orion	Cond.		Hanna		----		----	---	---		---	---	
		Hanna	Water		Hanna		4	----	----	----		----	----	----	
		Hanna	Water		Hanna		7	----	----	----		---	----	----	
		Hanna	Water		Hanna		----		----	----	---		----	----	
		Hach	Turbidity		Hach		----	----	0/20	----	----	----		---	
		Orion	Cond.		Hanna		----		----	---	---		---	---	

-- Not Applicable

PH Calibration Report

Device Serial Number 45836
Sensor Serial Number PP10384
Sensor Mfg Date 2007-07-06
Method Quick Cal
Action COMPLETED
Date 2007-07-20
Time 105916
Last Cal: 7/18/07 10:12:45 AM
Cal Points: 1
Point 1:

-
- Stimulus = 7.00 pH
- Response = -3.25721 mV
- Final Reading = 7.00 pH
- Temperature = 22.9429 C
- Slope = -58.7518 mV/pH
- Offset = 408.005 mV

ORP Calibration Report

Device Serial Number 45836
Sensor Serial Number PP10384
Sensor Mfg Date 2007-07-06
Method Quick Cal
Action COMPLETED
Date 2007-07-20
Time 105916
Last Cal: 7/18/07 10:04:07 AM
Cal Points: 1
Cal Type: Quick Cal Solution pH7
Point 1:

- Quick Cal Solution pH7
- Stimulus = 226.947 mV
- Response = 211.19 mV
- Final Reading = 226.947 mV
- Temperature = 22.9725 C
- Offset = -15.757 mV

Cond Calibration Report

Device Serial Number 45836
Sensor Serial Number LC04828
Sensor Type Conductivity, Low Range
Sensor Mfg Date 2007-01-05
Method Quick Cal
Action COMPLETED
Date 2007-07-20
Time 105916

Last Cal: 7/18/07 10:09:03 AM
Cal Points:
- 1
- Custom Cal Solution
- Stimulus = 7980 µS/cm
- Response = 45.701 ohms
- Final Reading = 7980 µS/cm
- Temperature = 22.9611 C
- Kcell = 0.349511

DO Calibration Report

Device Serial Number 45836
Sensor Serial Number DX05087
Sensor Mfg Date 2006-10-03
Method Quick Cal
Action COMPLETED
Status Point 1 STABLE
Date 2007-07-20
Time 105916
Last Cal: 7/20/07 10:59:15 AM
Cal Points: 1
Membrane: 2-mil Teflon
Saturation Point Medium: in Air (saturated w/ water)
Saturation Stimulus User-Set: No
Calibration:
- Temperature = 21.792 C
- Barometric Pressure = 29.4588 "Hg
- Stimulus = 8.63978 mg/L
- Response = 330.388 nA
- Final Reading = 8.63978 mg/L
- Slope = 37.0818 nA/(mg/L)
- Offset = 2 nA

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http://www.in-situ.com

PH Calibration Report

Device Serial Number 45836
Sensor Serial Number PP10384
Sensor Mfg Date 2007-07-06
Method Quick Cal
Action COMPLETED
Status Point 1 STABLE
Date 2007-07-26
Time 134507
Last Cal: 7/26/07 1:45:04 PM
Cal Points: 1
Point 1:

-
- Stimulus = 7.00 pH
- Response = -5.4478 mV
- Final Reading = 7.00 pH
- Temperature = 29.7317 C
- Slope = -60.0989 mV/pH
- Offset = 415.244 mV

ORP Calibration Report

Device Serial Number 45836
Sensor Serial Number PP10384
Sensor Mfg Date 2007-07-06
Method Quick Cal
Action COMPLETED
Status Point 1 STABLE
Date 2007-07-26
Time 134507
Last Cal: 7/26/07 1:45:03 PM
Cal Points: 1
Cal Type: Quick Cal Solution pH7
Point 1:

- Quick Cal Solution pH7
- Stimulus = 216.532 mV
- Response = 203.031 mV
- Final Reading = 216.532 mV
- Temperature = 29.7317 C
- Offset = -13.5011 mV

Cond Calibration Report

Device Serial Number 45836
Sensor Serial Number LC04828
Sensor Type Conductivity, Low Range
Sensor Mfg Date 2007-01-05
Method Quick Cal
Action COMPLETED

Status Point 1 STABLE
Date 2007-07-26
Time 134507
Last Cal: 7/26/07 1:45:06 PM
Cal Points:
- 1
- Custom Cal Solution
- Stimulus = 7980 µS/cm
- Response = 39.16 ohms
- Final Reading = 7980 µS/cm
- Temperature = 29.7317 C
- Kcell = 0.343206

DO Calibration Report

Device Serial Number 45836
Sensor Serial Number DX05087
Sensor Mfg Date 2006-10-03
Method Quick Cal
Action COMPLETED
Status Point 1 STABLE
Date 2007-07-26
Time 134507
Last Cal: 7/26/07 1:45:05 PM
Cal Points: 1
Membrane: 2-mil Teflon
Saturation Point Medium: in Air (saturated w/ water)
Saturation Stimulus User-Set: No
Calibration:
- Temperature = 29.8264 C
- Barometric Pressure = 29.4441 "Hg
- Stimulus = 7.45554 mg/L
- Response = 420.875 nA
- Final Reading = 7.45554 mg/L
- Slope = 54.8128 nA/(mg/L)
- Offset = 2 nA

PH Calibration Report

Device Serial Number 45836
Sensor Serial Number PP10384
Sensor Mfg Date 2007-07-06
Method Quick Cal
Action COMPLETED
Status Point 1 STABLE
Date 2007-07-27
Time 161540
Last Cal: 7/27/07 4:15:37 PM
Cal Points: 1
Point 1:

-
- Stimulus = 7.00 pH
- Response = -7.18143 mV
- Final Reading = 7.00 pH
- Temperature = 30.8661 C
- Slope = -60.324 mV/pH
- Offset = 415.086 mV

ORP Calibration Report

Device Serial Number 45836
Sensor Serial Number PP10384
Sensor Mfg Date 2007-07-06
Method Quick Cal
Action COMPLETED
Status Point 1 STABLE
Date 2007-07-27
Time 161540
Last Cal: 7/27/07 4:15:34 PM
Cal Points: 1
Cal Type: Quick Cal Solution pH7
Point 1:

- Quick Cal Solution pH7
- Stimulus = 214.785 mV
- Response = 197.11 mV
- Final Reading = 214.785 mV
- Temperature = 30.8661 C
- Offset = -17.6744 mV

Cond Calibration Report

Device Serial Number 45836
Sensor Serial Number LC04828
Sensor Type Conductivity, Low Range
Sensor Mfg Date 2007-01-05
Method Quick Cal
Action COMPLETED

Status Point 1 STABLE
Date 2007-07-27
Time 161541
Last Cal: 7/27/07 4:15:39 PM
Cal Points:
- 1
- Custom Cal Solution
- Stimulus = 7980 µS/cm
- Response = 38.4251 ohms
- Final Reading = 7980 µS/cm
- Temperature = 30.8661 C
- Kcell = 0.344072

DO Calibration Report

Device Serial Number 45836
Sensor Serial Number DX05087
Sensor Mfg Date 2006-10-03
Method Quick Cal
Action COMPLETED
Status Point 1 STABLE
Date 2007-07-27
Time 161541
Last Cal: 7/27/07 4:15:38 PM
Cal Points: 1
Membrane: 2-mil Teflon
Saturation Point Medium: in Air (saturated w/ water)
Saturation Stimulus User-Set: No
Calibration:
- Temperature = 30.8875 C
- Barometric Pressure = 29.477 "Hg
- Stimulus = 7.32889 mg/L
- Response = 420.92 nA
- Final Reading = 7.32889 mg/L
- Slope = 55.7659 nA/(mg/L)
- Offset = 2 nA

PH Calibration Report

Device Serial Number 32046
Sensor Serial Number PP05438
Sensor Mfg Date 2007-03-08
Method Quick Cal
Action COMPLETED
Status Point 1 STABLE
Date 2007-07-25
Time 114500
Last Cal: 7/25/07 11:44:57 AM
Cal Points: 1
Point 1:

-
- Stimulus = 7.00 pH
- Response = -129.027 mV
- Final Reading = 7.00 pH
- Temperature = 28.0766 C
- Slope = -59.7705 mV/pH
- Offset = 289.367 mV

ORP Calibration Report

Device Serial Number 32046
Sensor Serial Number PP05438
Sensor Mfg Date 2007-03-08
Method Quick Cal
Action COMPLETED
Status Point 1 STABLE
Date 2007-07-25
Time 114500
Last Cal: 7/25/07 11:44:56 AM
Cal Points: 1
Cal Type: Quick Cal Solution pH7
Point 1:

- Quick Cal Solution pH7
- Stimulus = 219.083 mV
- Response = 197.562 mV
- Final Reading = 219.083 mV
- Temperature = 28.0766 C
- Offset = -21.521 mV

Cond Calibration Report

Device Serial Number 32046
Sensor Serial Number LC03483
Sensor Type Conductivity, Low Range
Sensor Mfg Date 2004-06-10
Method Quick Cal
Action COMPLETED

Status Point 1 STABLE
Date 2007-07-25
Time 114500
Last Cal: 7/25/07 11:44:59 AM
Cal Points:
- 1
- Custom Cal Solution
- Stimulus = 7980 µS/cm
- Response = 39.4475 ohms
- Final Reading = 7980 µS/cm
- Temperature = 28.0766 C
- Kcell = 0.334834

DO Calibration Report

Device Serial Number 32046
Sensor Serial Number DX04395
Sensor Mfg Date 2005-08-09
Method Quick Cal
Action COMPLETED
Status Point 1 STABLE
Date 2007-07-25
Time 114500
Last Cal: 7/25/07 11:44:58 AM
Cal Points: 1
Membrane: 2-mil Teflon
Saturation Point Medium: in Air (saturated w/ water)
Saturation Stimulus User-Set: No
Calibration:
- Temperature = 29.7025 C
- Barometric Pressure = 29.2476 "Hg
- Stimulus = 7.41959 mg/L
- Response = 328.584 nA
- Final Reading = 7.41959 mg/L
- Slope = 42.9429 nA/(mg/L)
- Offset = 2 nA

PH Calibration Report

Device Serial Number 32046
Sensor Serial Number PP05438
Sensor Mfg Date 2007-03-08
Method Traditional
Action COMPLETED
Status Point 1 STABLE
Status Point 2 STABLE
Date 2007-07-26
Time 062057
Last Cal: 7/26/07 6:20:56 AM
Cal Points: 2
Point 1:

-
- Stimulus = 4.01 pH
- Response = 56.0632 mV
- Final Reading = 4.01 pH
- Temperature = 23.5308 C

Point 2:

-
- Stimulus = 7.00 pH
- Response = -72.9931 mV
- Final Reading = 7.00 pH
- Temperature = 23.7289 C
- Slope = -43.1626 mV/pH
- Offset = 229.145 mV

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http://www.in-situ.com

Cond Calibration Report

Device Serial Number 32046
Sensor Serial Number LC03483
Sensor Type Conductivity, Low Range
Sensor Mfg Date 2004-06-10
Method Traditional
Action COMPLETED
Status Point 1 STABLE
Date 2007-07-26
Time 070447
Last Cal: 7/26/07 7:04:46 AM
Cal Points:

- 1
- 1413 microSiemens/cm
- Stimulus = 1413 µS/cm
- Response = 214.595 ohms
- Final Reading = 1413 µS/cm
- Temperature = 23.9295 C
- Kcell = 0.297023

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http://www.in-situ.com

ORP Calibration Report

Device Serial Number 32046
Sensor Serial Number PP05438
Sensor Mfg Date 2007-03-08
Method Traditional
Action COMPLETED
Status Point 1 STABLE
Date 2007-07-26
Time 071018
Last Cal: 7/26/07 7:10:17 AM
Cal Points: 1
Cal Type: Custom Cal Solution
Point 1:

- Custom Cal Solution
- Stimulus = 237 mV
- Response = 208.278 mV
- Final Reading = 237 mV
- Temperature = 25.0497 C
- Offset = -28.722 mV

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http://www.in-situ.com

DO Calibration Report

Device Serial Number 32046
Sensor Serial Number DX04395
Sensor Mfg Date 2005-08-09
Method Traditional
Action COMPLETED
Status Point 1 STABLE
Date 2007-07-26
Time 071954
Last Cal: 7/26/07 7:19:53 AM
Cal Points: 1
Membrane: 2-mil Teflon
Saturation Point Medium: in Air (saturated w/ water)
Saturation Stimulus User-Set: No
Calibration:

- Temperature = 23.4028 C
- Barometric Pressure = 29.5089 "Hg
- Stimulus = 8.39255 mg/L
- Response = 277.409 nA
- Final Reading = 8.39255 mg/L
- Slope = 32.0155 nA/(mg/L)
- Offset = 2 nA

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http://www.in-situ.com

PH Calibration Report

Device Serial Number 32046
Sensor Serial Number PP05438
Sensor Mfg Date 2007-03-08
Method Quick Cal
Action COMPLETED
Status Point 1 STABLE
Date 2007-07-27
Time 061852
Last Cal: 7/27/07 6:18:48 AM
Cal Points: 1
Point 1:

-
- Stimulus = 7.00 pH
- Response = -64.88 mV
- Final Reading = 7.00 pH
- Temperature = 24.9205 C
- Slope = -59.1442 mV/pH
- Offset = 349.13 mV

ORP Calibration Report

Device Serial Number 32046
Sensor Serial Number PP05438
Sensor Mfg Date 2007-03-08
Method Quick Cal
Action COMPLETED
Status Point 1 STABLE
Date 2007-07-27
Time 061852
Last Cal: 7/27/07 6:18:47 AM
Cal Points: 1
Cal Type: Quick Cal Solution pH7
Point 1:

- Quick Cal Solution pH7
- Stimulus = 223.945 mV
- Response = 217.872 mV
- Final Reading = 223.945 mV
- Temperature = 24.9205 C
- Offset = -6.07367 mV

Cond Calibration Report

Device Serial Number 32046
Sensor Serial Number LC03483
Sensor Type Conductivity, Low Range
Sensor Mfg Date 2004-06-10
Method Quick Cal
Action COMPLETED

Status Point 1 STABLE
Date 2007-07-27
Time 061852
Last Cal: 7/27/07 6:18:51 AM
Cal Points:
- 1
- Custom Cal Solution
- Stimulus = 7980 µS/cm
- Response = 40.605 ohms
- Final Reading = 7980 µS/cm
- Temperature = 24.9205 C
- Kcell = 0.323499

DO Calibration Report

Device Serial Number 32046
Sensor Serial Number DX04395
Sensor Mfg Date 2005-08-09
Method Quick Cal
Action COMPLETED
Status Point 1 STABLE
Date 2007-07-27
Time 061852
Last Cal: 7/27/07 6:18:50 AM
Cal Points: 1
Membrane: 2-mil Teflon
Saturation Point Medium: in Air (saturated w/ water)
Saturation Stimulus User-Set: No
Calibration:
- Temperature = 24.9105 C
- Barometric Pressure = 29.5125 "Hg
- Stimulus = 8.16056 mg/L
- Response = 298.687 nA
- Final Reading = 8.16056 mg/L
- Slope = 35.4695 nA/(mg/L)
- Offset = 2 nA

PH Calibration Report

Device Serial Number 32046
Sensor Serial Number PP05438
Sensor Mfg Date 2007-03-08
Method Quick Cal
Action COMPLETED
Status Point 1 STABLE
Date 2007-07-27
Time 164306
Last Cal: 7/27/07 4:43:03 PM
Cal Points: 1
Point 1:

-
- Stimulus = 7.00 pH
- Response = -76.5873 mV
- Final Reading = 7.00 pH
- Temperature = 30.8359 C
- Slope = -60.318 mV/pH
- Offset = 345.639 mV

ORP Calibration Report

Device Serial Number 32046
Sensor Serial Number PP05438
Sensor Mfg Date 2007-03-08
Method Quick Cal
Action COMPLETED
Status Point 1 STABLE
Date 2007-07-27
Time 164306
Last Cal: 7/27/07 4:43:02 PM
Cal Points: 1
Cal Type: Quick Cal Solution pH7
Point 1:

- Quick Cal Solution pH7
- Stimulus = 214.831 mV
- Response = 206.883 mV
- Final Reading = 214.831 mV
- Temperature = 30.8359 C
- Offset = -7.94857 mV

Cond Calibration Report

Device Serial Number 32046
Sensor Serial Number LC03483
Sensor Type Conductivity, Low Range
Sensor Mfg Date 2004-06-10
Method Quick Cal
Action COMPLETED

Status Point 1 STABLE
Date 2007-07-27
Time 164306
Last Cal: 7/27/07 4:43:05 PM
Cal Points:
- 1
- Custom Cal Solution
- Stimulus = 7980 µS/cm
- Response = 36.8083 ohms
- Final Reading = 7980 µS/cm
- Temperature = 30.8359 C
- Kcell = 0.329408

DO Calibration Report

Device Serial Number 32046
Sensor Serial Number DX04395
Sensor Mfg Date 2005-08-09
Method Quick Cal
Action COMPLETED
Status Point 1 STABLE
Date 2007-07-27
Time 164307
Last Cal: 7/27/07 4:43:04 PM
Cal Points: 1
Membrane: 2-mil Teflon
Saturation Point Medium: in Air (saturated w/ water)
Saturation Stimulus User-Set: No
Calibration:
- Temperature = 30.4111 C
- Barometric Pressure = 29.5282 "Hg
- Stimulus = 7.40257 mg/L
- Response = 329.29 nA
- Final Reading = 7.40257 mg/L
- Slope = 43.1346 nA/(mg/L)
- Offset = 2 nA

GEOSYNTEC CONSULTANTS

POWAY LANDFILL
GROUNDWATER GAUGING SHEET

Date: 7/25/2007
Sampler: RJK, BBC Environmental, Inc.

Well #	Depth to Water	Previous DTW	Gauge Time	Well Box Type	Well Cap Type	Survey Point
POGW-6	9.21	7.95	0820	MON	Non-INW	TOC TO N.
POGW-9	42.83	40.81	0825	M/D	INW	TOC TO N.
POGW-10	44.99	40.31	0805	MON	INW	TOC TO N.
POGW-11	52.52	50.99	0705	Emco Wheaton	INW	TOC TO N.
POGW-12	15.60/Dry	15.50/DRY	0730	M/D	INW	TOC TO N.
POGW-13	19.18	17.94	0735	M/D	INW	TOC TO N.
POGW-14	87.23	85.44	0810	MON	INW	TOC TO N.
POGW-15	18.38	16.64	0850	M/D	INW	TOC TO N.
POGW-16	56.83	55.07	0855	MON	INW	TOC TO N.
POGW-17A	18.02/Dry	17.98/DRY	0710	Emco Wheaton	INW	TOC TO N.
POGW-17B	25.75	24.30	0715	Emco Wheaton	INW	TOC TO N.
POGW-18A	13.35	16.45/DRY	0740	Emco Wheaton	INW	TOC TO N.
POGW-18B	29.90	28.00	0745	Emco Wheaton	INW	TOC TO N.
POGW-19	74.71	71.98	0910	MON	Non-INW	TOC TO N.
POGW-20	32.04	30.09	0835	E/W 2 9/16"	INW	TOC TO N.
POGW-21	28.40	26.62	0845	E/W 2 9/16"	INW	TOC TO N.
POGW-22	142.37	141.56	0800	E/W 2 9/16"	INW	TOC TO N.
POGW-23	34.14	31.99	0750	Emco Wheaton	INW	TOC TO N.
POGW-24A	19.44/Dry	18.51	0720	Emco Wheaton	CAP	TOC TO N.
POGW-24B	20.50	18.90	0725	E/W 2 9/16"	INW	TOC TO N.
POPW-1	81.75	80.27	0815	MON	NO-PUMP	TOC TO N.
~~POPW-2A~~		81.65		M/D	NO-PUMP	TOC TO N.
~~POPW-2B~~		80.00		M/D	NO-PUMP	TOC TO N.
~~POPW-3~~		60.67		M/D	NO-PUMP	TOC TO N.
~~POPW-4~~		80.81		MON	NO-PUMP	TOC TO N.

-- Not Applicable, MON = Monument, M/D = Morrison/Dubuque, INW = Instrumentation West, TOC to N. = Top of Casi

22 - Discharge broken @ top

County of San Diego
Landfill Management

Third Quarter 2007

Geosyntec consultants

Poway Landfill
Groundwater Sample Collection Log
POGW-6

Well Data:

Sample Type: Groundwater
Well Depth (ft): 34.60
Casing Elevation (ft): 695.35

Weather: Sunny 90°F
Diameter of Well (in.): 4
Diameter of Borehole (in.): 10
Filter Pack (ft): 25

Well Purging:

Equipment: 2" Dedicated Pump
Depth to Water Surface (ft): 9.21
Feet of Water in Well: 25.39
Borehole Volume (gal): X 1.5 = 38.1
Minimum Purge Volume (gal): Borehole Volume X 1.5 = 57.2

Immiscible layer Y/N?: N
Max. depth during purging (ft): >17.00
80 percent recovery: 9.97
Depth at time of sampling (ft): 9.97
Total Volume Purged (gal.): 57.2

	Time	pH	EC (µS/cm)	Temp. (C)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Pump Rate (gpm)	Vol. Purged (gal)
Purge	1052	7.50	1139	23.38	0.5	2.549	143	—	Ø
	1057	6.50	1120	22.85	0.5	2.249	141		19.0
	1102	6.44	1164	22.74	0.2	2.218	127		38.0
	1108	6.45	1230	23.11	0.3	2.004	133		57.2
Sample	1149	7.05	1266	22.14	1.9	18.249	170	—	—

% Recovered: 80%
Depth of Pump (feet): 31
Purge Water Disposal: Collected and Sprayed

Sample Collection:

Volume	Container	Filtered	Pres.	Parameters
3 x 40 ml	VOA	N	HCl, 4°C	VOCs by 8260
1 x 1 L	Poly	N	4°C	General Chemistry: NO_3 (as N), SO_4, Cl,CO3, HCO3 Dissolved Metals (Ca, Mg, K, Na)
1 x 250ml	Glass	N	H_2SO,4°C	COD
1 x 1 L	Poly	N	4°C	TDS

✓781.5 L12
✓800.5
✓819.5
838.7

Date/Time: 7/26/07 1149
Sample ID: POGW-6
COC #: 2046
Field Crew: RJK/WBC
Samplers Signature:

Comments: 215 Hz
Obstruction @ 17'
Added 6' discharge extension

County of San Diego
Landfill Management

Third Quarter 2007

Geosyntec consultants

Poway Landfill
Groundwater Sample Collection Log
POGW-9

Well Data:

Sample Type: Groundwater
Well Depth (ft): 84.36
Casing Elevation (ft): 725.05

Weather: Sunny 85°F
Diameter of Well (in.): 4
Diameter of Borehole (in.): 10
Filter Pack (ft): 23

Well Purging:

Equipment: 2" Dedicated Pump
Depth to Water Surface (ft): 42.83
Feet of Water in Well: 41.53
Borehole volume (gal): X 1.5 = 62.3
Purge Volume (gal): = Purge dry (slow recovery)

Immiscible layer Y/N?: N
Max. depth during purging (ft): 84.36
80 percent recovery: 51.14
Depth at time of sampling (ft): 78.54
Total Volume Purged (gal.): 35.0

	Time	pH	EC (µS/cm)	Temp. (C)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Pump Rate (gpm)	Vol. Purged (gal)
Purge	1004	9.51	738.0	24.57	11.6	2.146	57	~	0
	1012	7.02	694.6	22.25	60.8	3.425	93		21.0
	1019	7.00	693.0	22.31	16.7	3.486	94		35.0
	1019	Purge to Bottom							
Sample	1225								

% Recovered: 14%
Depth of Pump (feet): 81
Purge Water Disposal: Collected and Sprayed

Sample Collection:

Volume	Container	Filtered	Pres.	Parameters
3 x 40 ml	VOA	N	HCl, 4°C	VOCs by 8260
1 x 1 L	Poly	N	4°C	General Chemistry: NO_3 (as N), SO_4, Cl,CO3, HCO3 Dissolved Metals (Ca, Mg, K, Na)
1 x 250ml	Glass	N	H_2SO,4°C	COD
1 x 1 L	Poly	N	4°C	TDS

✓746.5
✓767.5
788.5
808.8

Date/Time: 7/26/07 1225
Sample ID: POGW-9
COC #: 2046
Field Crew: RJK/WBC
Samplers Signature:

Comments: 235Hz Pump working intermittently @ sampling
Pump failure @ end of sampling.
no parameters collected.
1/2 TDS bottle collected should be sufficient for analysis

County of San Diego
Landfill Management

Third Quarter 2007

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Poway Landfill
Groundwater Sample Collection Log
POGW-10

Well Data:

Sample Type: Groundwater
Well Depth (ft): 53.86
Casing Elevation (ft): 710.56

Weather: Sunny 90°F
Diameter of Well (in.): 4
Diameter of Borehole (in.): 10
Filter Pack (ft): 23

Well Purging:

Equipment: 2" Dedicated Pump
Depth to Water Surface (ft): 44.99
Feet of Water in Well: 8.87
Borehole Volume (gal): X 1.5 = 13.3
Purge Volume (gal): = Purge dry (slow recovery)

Immiscible layer Y/N?: N
Max. depth during purging (ft): 53.86
80 percent recovery: 46.77
Depth at time of sampling (ft): 49.53
Total Volume Purged (gal.): 6.0

	Time	pH	EC (µS/cm)	Temp. (C)	Turbidity (NTU)	DO (mg/L) 6.283	ORP (mV)	Pump Rate (gpm)	Vol. Purged (gal)
Purge	1247	8.99	1031	23.50	0.0	~~17.500~~	67	~	0
	1254	7.88	1059	24.18	0.0	7.608	84		5.0
	1258	7.72	1071	24.52	0.0	7.628	87		6.0
	1258	Purge to Bottom							
Sample	1438	7.81	1060	23.24	4.1	7.421	85	-	—

% Recovered: 49%
Depth of Pump (feet): 50
Purge Water Disposal: Collected and Sprayed

Sample Collection:

Volume	Container	Filtered	Pres.	Parameters
3 x 40 ml	VOA	N	HCl, 4°C	VOCs by 8260
1 x 1 L	Poly	N	4°C	General Chemistry: NO_3 (as N), SO_4, Cl,CO3, HCO3 Dissolved Metals (Ca, Mg, K, Na)
1 x 250ml	Glass	N	H_2SO,4°C	COD
1 x 1 L	Poly	N	4°C	TDS

Date/Time: 7/26/07 1458
Sample ID: POGW-10
COC #: 2046
Field Crew: RJK/WBC
Samplers Signature:

Comments: 155 Hz Purge to Bucket
Pump Cavitating badly upon sampling @ flow
Bailer Sampled

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Poway Landfill
Groundwater Sample Collection Log
POGW-11

Well Data:

Sample Type: Groundwater
Well Depth (ft): 54.20
Casing Elevation (ft): 628.71

Weather: Sunny 85°F
Diameter of Well (in.): 4
Diameter of Borehole (in.): 10
Filter Pack (ft): 19

Well Purging:

Equipment: 2" Dedicated Pump
Depth to Water Surface (ft): 52.52
Feet of Water in Well: 1.68
Borehole Volume (gal): X 1.5 = 2.5
Purge Volume (gal): = Purge dry (slow recovery)

Immiscible layer Y/N?: N
Max. depth during purging (ft): 54.20
80 percent recovery: 52.86
Depth at time of sampling (ft): 52.87
Total Volume Purged (gal.): 1.5

	Time	pH	EC (µS/cm)	Temp. (C)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Pump Rate (gpm)	Vol. Purged (gal)
Purge	1143	7.91	1968	24.34	2088.3	5.580	225	–	0
	1149	8.18	1783	23.55	2178.4	5.530	220		1.0
	1152	7.75	1862	23.67	2514.9	5.641	223		1.5
	1152	Purge to bottom							
Sample	1359	7.81	1850	23.57	223.5	5.712	224	–	–

% Recovered: 79%
Depth of Pump (feet): 51
Purge Water Disposal: Collected and Sprayed

Sample Collection:

Volume	Container	Filtered	Pres.	Parameters
3 x 40 ml	VOA	N	HCl, 4°C	VOCs by 8260
1 x 1 L	Poly	N	4°C	General Chemistry: NO_3 (as N), SO_4, Cl,CO3, HCO3 Dissolved Metals (Ca, Mg, K, Na)
1 x 250ml	Glass	N	H_2SO,4°C	COD
1 x 1 L	Poly	N	4°C	TDS

Date/Time: 7/25/07 1359
Sample ID: POGW-11
COC #: 2045
Field Crew: RJK
Samplers Signature:

Comments: Hand Bail <2' H_2O

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Third Quarter 2007

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Poway Landfill
Groundwater Sample Collection Log
POGW-12

Well Data:

Sample Type: Groundwater
Well Depth (ft): 15.76
Casing Elevation (ft): 594.72

Weather: –
Diameter of Well (in.): 4
Diameter of Borehole (in.): 10
Filter Pack (ft): 12

Well Purging:

Equipment: 2" Dedicated Pump
Depth to Water Surface (ft): 15.60
Feet of Water in Well: 0.16
Borehole Volume (gal): X 1.5 =
Purge Volume (gal): = Purge dry (slow recovery)

Immiscible layer Y/N?: N
Max. depth during purging (ft): –
80 percent recovery: –
Depth at time of sampling (ft): –
Total Volume Purged (gal.): –

	Time	pH	EC (µS/cm)	Temp. (C)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Pump Rate (gpm)	Vol. Purged (gal)
Purge									
				Well	Dry				
				No Purge or Sample					
Sample									

% Recovered:
Depth of Pump (feet): 13
Purge Water Disposal: Collected and Sprayed

Sample Collection:

Volume	Container	Filtered	Pres.	Parameters
3 x 40 ml	VOA	N	HCl, 4°C	VOCs by 8260
1 x 1 L	Poly	N	4°C	General Chemistry: NO_3 (as N), SO_4, Cl,CO3, HCO3 Dissolved Metals (Ca, Mg, K, Na)
1 x 250ml	Glass	N	H_2SO,4°C	COD
1 x 1 L	Poly	N	4°C	TDS

Date/Time: 7/25/07 –
Sample ID: POGW-12
COC #: –
Field Crew: RJK
Samplers Signature:

Comments:

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Poway Landfill
Groundwater Sample Collection Log
POGW-13

Well Data:

Sample Type: Groundwater
Well Depth (ft): 52.52
Casing Elevation (ft): 594.88

Weather: SUNNY, 75°F
Diameter of Well (in.): 4
Diameter of Borehole (in.): 10
Filter Pack (ft): 25

Well Purging:

Equipment: 2" Dedicated Pump
Depth to Water Surface (ft): 19.18
Feet of Water in Well: 33.34
A) Casing volume above filter pack: 8.34 X 0.65 = 5.42
B) Filter Pack Volume (gal): 25X1.5 = 37.5
Borehole volume (gal): A + B = 42.9
Minimum Purge Volume (gal): Borehole Volume X 1.5 = 64.4

Immiscible layer Y/N?: N
Max. depth during purging (ft): 23.47
80 percent recovery: 20.04
Depth at time of sampling (ft): 20.04
Total Volume Purged (gal.): 64.4

	Time	pH	EC (µS/cm)	Temp. (C)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Pump Rate (gpm)	Vol. Purged (gal)
Purge	1048	6.70	1580	24.05	5.3	4.52	146	~	ø
	1059	6.57	1612	23.68	2.3	2.80	166	~2.0	21.5
	1110	6.57	1611	23.48	2.9	3.04	166	~2.0	42.9
	1122	6.68	1636	23.79	6.3	4.95	167	~1.9	64.4
Sample	1132	6.68	1626	23.60	4.3	4.61	167	—	—

% Recovered: 80%
Depth of Pump (feet): 50
Purge Water Disposal: Collected and Sprayed

Sample Collection:

Volume	Container	Filtered	Pres.	Parameters
3 x 40 ml	VOA	N	HCl, 4°C	VOCs by 8260
1 x 1 L	Poly	N	4°C	General Chemistry: NO_3 (as N), SO_4, Cl,CO3, HCO3 Dissolved Metals (Ca, Mg, K, Na)
1 x 250ml	Glass	N	H_2SO,4°C	COD
1 x 1 L	Poly	N	4°C	TDS

Date/Time: 7-26-07 1132
Sample ID: POGW-13
COC #: 2047
Field Crew: RJK/WEC
Samplers Signature: [signature]

Comments: NEW ASPHALT PAVING LAYED 7-25-07. WELL BOX COVERED & THEN ACCESSED BY ASPHALT CONTRACTOR.

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Poway Landfill
Groundwater Sample Collection Log
POGW-14

Well Data:

Sample Type: Groundwater
Well Depth (ft): 225.68
Casing Elevation (ft): 722.61

Weather: Sunny 90°F
Diameter of Well (in.): 4
Diameter of Borehole (in.): 10
Filter Pack (ft): 21

Well Purging:

Equipment: 2" Dedicated Pump
Depth to Water Surface (ft): 87.23
Feet of Water in Well: 138.45
Borehole Volume (gal): X 1.5 = 207.7
Purge Volume (gal): = Purge dry (slow recovery)

Immiscible layer Y/N?: N
Max. depth during purging (ft): 225.68
80 percent recovery: 114.92
Depth at time of sampling (ft): 201.60
Total Volume Purged (gal.): 86.5

	Time	pH	EC (µS/cm)	Temp. (C)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Pump Rate (gpm)	Vol. Purged (gal)
Purge	0921	8.42	888.2	25.53	11.0	0.856	63	–	0
	0940	7.40	965.9	30.61	5.8	0.803	-84		66.1
	0952	6.94	1048	34.69	11.6	0.896	-38		86.5
	0952	Purge to Bottom							
Sample	1206	7.34	877.2	24.69	71.3	1.481	-20	–	–

% Recovered: 17%
Depth of Pump (feet): 223
Purge Water Disposal: Collected and Sprayed

Sample Collection:

Volume	Container	Filtered	Pres.	Parameters
3 x 40 ml	VOA	N	HCl, 4°C	VOCs by 8260
1 x 1 L	Poly	N	4°C	General Chemistry: NO_3 (as N), SO_4, Cl,CO3, HCO3 Dissolved Metals (Ca, Mg, K, Na)
1 x 250ml	Glass	N	H_2SO,4°C	COD
1 x 1 L	Poly	N	4°C	TDS

✓660.9
727.0
793.0
868.6

Date/Time: 7/26/07 1206
Sample ID: POGW-14
COC #: 2046
Field Crew: RJK/WBC
Samplers Signature:

Comments:

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Poway Landfill
Groundwater Sample Collection Log
POGW-15

Well Data:

Sample Type: Groundwater
Well Depth (ft): 24.29
Casing Elevation (ft): 606.60

Weather: Sunny 90 °F
Diameter of Well (in.): 4
Diameter of Borehole (in.): 10
Filter Pack (ft): 24

Well Purging:

Equipment: 2" Dedicated Pump
Depth to Water Surface (ft): 18.38
Feet of Water in Well: 5.91
Borehole Volume (gal): X 1.5 = 8.9
Purge Volume (gal): = Purge dry (slow recovery)

Immiscible layer Y/N?: N
Max. depth during purging (ft): 24.29
80 percent recovery: 19.56
Depth at time of sampling (ft): 19.51
Total Volume Purged (gal.): 4.9

	Time	pH	EC (µS/cm)	Temp. (C)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Pump Rate (gpm)	Vol. Purged (gal)
Purge	1207	8.00	1394	24.27	12.2	4.090	161	–	0
	1209	6.86	1258	23.90	4.8	5.977	137		3.0
	1211	6.54	1360	23.85	6.7	6.316	136		4.9
	1211	Purge to Bottom							
Sample	1424	7.40	1693	24.66	108.5	8.381	158	–	–

% Recovered: 80.8%
Depth of Pump (feet): 21
Purge Water Disposal: Collected and Sprayed

Sample Collection:

Volume	Container	Filtered	Pres.	Parameters
3 x 40 ml	VOA	N	HCl, 4°C	VOCs by 8260
1 x 1 L	Poly	N	4°C	General Chemistry: NO_3 (as N), SO_4, Cl,CO3, HCO3 Dissolved Metals (Ca, Mg, K, Na)
1 x 250ml	Glass	N	H_2SO,4°C	COD
1 x 1 L	Poly	N	4°C	TDS

Date/Time: 7/25/07 1424
Sample ID: POGW-15
COC #: 2045
Field Crew: RJK
Samplers Signature:

Comments: 125 Hz 1.5 gpm ↑135 Hz

✓610.8 3.0
✓613.8
616.8
619.7

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Poway Landfill
Groundwater Sample Collection Log
POGW-16

Well Data:

Sample Type: Groundwater
Well Depth (ft): 69.50
Casing Elevation (ft): 643.49

Weather: Sunny 85°F
Diameter of Well (in.): 4
Diameter of Borehole (in.): 8
Filter Pack (ft): 22

Well Purging:

Equipment: 2" Dedicated Pump
Depth to Water Surface (ft): 56.83
Feet of Water in Well: 12.67
Borehole Volume (gal): X 1.1 = 13.9
Minimum Purge Volume (gal): Borehole Volume X 1.5 = 20.9

Immiscible layer Y/N?: N
Max. depth during purging (ft): 69.50
80 percent recovery: 59.35
Depth at time of sampling (ft): 58.68
Total Volume Purged (gal.): 20.9

	Time	pH	EC (µS/cm)	Temp. (C)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Pump Rate (gpm)	Vol. Purged (gal)	
Purge	1308	7.22	964.6	24.75	0.3	1.542	-85	–	0	
	1313	6.52	948.5	25.13	11.1	0.822	-40		7.0	
	1319	6.88	987.0	25.61	0.7	0.585	16		12.1	Purge to Bottom
	1334	7.37	1068	26.56	2.4	1.504	130	DTW = 62.50	13.0	Restart
	1346	6.47	1079	27.48	1.6	1.824	149		17.6	Purge to Bottom
Sample	1518	8.42	1140	25.39	4.2	2.244	204	–	–	

% Recovered: 85%
Depth of Pump (feet): 68
Purge Water Disposal: Collected and Sprayed

Sample Collection:

Volume	Container	Filtered	Pres.	Parameters
3 x 40 ml	VOA	N	HCl, 4°C	VOCs by 8260
1 x 1 L	Poly	N	4°C	General Chemistry: NO_3 (as N), SO_4, Cl,CO3, HCO3 Dissolved Metals (Ca, Mg, K, Na)
1 x 250ml	Glass	N	H_2SO,4°C	COD
1 x 1 L	Poly	N	4°C	TDS

Date/Time: 7/26/07 1518
Sample ID: POGW-16
COC #: 2046
Field Crew: RJK/WBC
Samplers Signature:

Comments: 200Hz ↓ 190↑193
170Hz

✓842.1
✓849.1
✓856.1
863.0

L7

1436	7.21	1099	24.67	3.3	3.375	193	–	18.0
1444	6.14	1115	25.72	2.0	2.111	192		20.9

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Landfill Management

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Poway Landfill
Groundwater Sample Collection Log
POGW-17A

Well Data:

Sample Type: Groundwater
Well Depth (ft): 18.5
Casing Elevation (ft): 602.64

Weather: –
Diameter of Well (in.): 2
Diameter of Borehole (in.): 8
Filter Pack (ft): 11.5

Well Purging:

Equipment: 2" Dedicated Pump
Depth to Water Surface (ft): 18.02
Feet of Water in Well: 0.48
Borehole Volume (gal): X 0.8 =
Minimum Purge Volume (gal): Borehole Volume X 1.5 =

Immiscible layer Y/N?: N
Max. depth during purging (ft): –
80 percent recovery: –
Depth at time of sampling (ft): –
Total Volume Purged (gal.): –

	Time	pH	EC (µS/cm)	Temp. (C)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Pump Rate (gpm)	Vol. Purged (gal)
Purge			Well Dry						
				No Purge or Sample					
Sample									

% Recovered: –
Depth of Pump (feet): 16.5
Purge Water Disposal: Collected and Sprayed

Sample Collection:

Volume	Container	Filtered	Pres.	Parameters
3 x 40 ml	VOA	N	HCl, 4°C	VOCs by 8260
1 x 1 L	Poly	N	4°C	General Chemistry: NO_3 (as N), SO_4, Cl,CO3, HCO3 Dissolved Metals (Ca, Mg, K, Na)
1 x 250ml	Glass	N	H_2SO,4°C	COD
1 x 1 L	Poly	N	4°C	TDS

Date/Time: 7/25/07 –
Sample ID: POGW-17A
COC #: –
Field Crew: RJK
Samplers Signature:

Comments:

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Poway Landfill
Groundwater Sample Collection Log
POGW-17B

Well Data:

Sample Type: Groundwater
Well Depth (ft): 45
Casing Elevation (ft): 602.50

Weather: Sunny 90°F
Diameter of Well (in.): 2
Diameter of Borehole (in.): 10
Filter Pack (ft): 12.5

Well Purging:

Equipment: 2" Dedicated Pump
Depth to Water Surface (ft): 25.75
Feet of Water in Well: 19.25
A) Casing volume above filter pack: 6.75 X 0.17 = 1.1
B) Filter Pack Volume (gal):12.5 X 1.1 = 13.75
Borehole volume (gal): A + B = 14.9
Minimum Purge Volume (gal): Borehole Volume X 1.5 = 22.3

Immiscible layer Y/N?: N
Max. depth during purging (ft): 35.54
80 percent recovery: 27.70
Depth at time of sampling (ft): 27.70
Total Volume Purged (gal.): 22.3

	Time	pH	EC (µS/cm)	Temp. (C)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Pump Rate (gpm)	Vol. Purged (gal)
Purge	1306	6.49	1892	24.23	1.1	6.701	116	–	0
	1313	6.27	1898	25.08	2.0	4.930	122		7.4
	1319	6.32	2006	25.49	0.5	5.341	130		14.8
	1324	6.31	2006	25.68	0.7	4.819	137		22.3
Sample	1326	6.22	2100	25.10	1.2	3.432	142	–	–

% Recovered: 80%
Depth of Pump (feet): 44
Purge Water Disposal: Collected and Sprayed

Sample Collection:

Volume	Container	Filtered	Pres.	Parameters
3 x 40 ml	VOA	N	HCl, 4°C	VOCs by 8260
1 x 1 L	Poly	N	4°C	General Chemistry: NO_3 (as N), SO_4, Cl,CO3, HCO3 Dissolved Metals (Ca, Mg, K, Na)
1 x 250ml	Glass	N	H_2SO,4°C	COD
1 x 1 L	Poly	N	4°C	TDS

✓ 634.4 [7.4]
✓ 641.8
✓ 649.2
658.7

Date/Time: 7/25/07 1326
Sample ID: POGW-17B
COC #: 2045
Field Crew: RJK
Samplers Signature:

Comments: 140Hz ↑150Hz ↑160Hz

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Poway Landfill
Groundwater Sample Collection Log
POGW-18A

Well Data:

Sample Type: Groundwater
Well Depth (ft): 18
Casing Elevation (ft): 616.42

Weather: Partly Cloudy, 70°F
Diameter of Well (in.): 2
Diameter of Borehole (in.): 8
Filter Pack (ft): 11.5

Well Purging:

Equipment: 2" Dedicated Pump
Depth to Water Surface (ft): 13.35
Feet of Water in Well: 4.65
A) Casing volume above filter pack: N/A X 0.17 = ~~[illegible]~~ ϕ
B) Filter Pack Volume (gal): X 0.8 = 3.72
Borehole volume (gal): A + B = 3.72
Minimum Purge Volume (gal): Borehole Volume X 1.5 = 5.6

Immiscible layer Y/N?: N
Max. depth during purging (ft): ~~15.0~~ 16.0
80 percent recovery: 14.28
Depth at time of sampling (ft): 15.27
Total Volume Purged (gal.): 2.5

	Time	pH	EC (µS/cm)	Temp. (C)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Pump Rate (gpm)	Vol. Purged (gal)
Purge	0810	6.7	1055	22.2	487.1	4.01	32	~	ϕ
	0820	6.6	1095	23.1	536.7	4.32	33	0.25	2.5
	0820	WELL PUMPED TO BOTTOM							
Sample	1022	6.7	1063	23.0	392.6	4.11	33	—	—

% Recovered: ~~35%~~ 28%
Depth of Pump (feet): 16
Purge Water Disposal: Collected and Sprayed

Sample Collection:

Volume	Container	Filtered	Pres.	Parameters
3 x 40 ml	VOA	N	HCl, 4°C	VOCs by 8260
1 x 1 L	Poly	N	4°C	General Chemistry: NO_3 (as N), SO_4, Cl,CO3, HCO3 Dissolved Metals (Ca, Mg, K, Na)
1 x 250ml	Glass	N	H_2SO,4°C	COD
1 x 1 L	Poly	N	4°C	TDS

Date/Time: 7-26-07 1022
Sample ID: POGW-18A
COC #: 2047
Field Crew: RJK / WBC
Samplers Signature: WB

Comments: Pulled Pump & Hand Bailed Due to Minimal Volume / Reset Pump
Sampled w/ Single Use, Disposable Bailer

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Third Quarter 2007

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Poway Landfill
Groundwater Sample Collection Log
POGW-18B

Well Data:

Sample Type: Groundwater
Well Depth (ft): 45
Casing Elevation (ft): 616.54

Weather: Partly Cloudy, 70°F
Diameter of Well (in.): 2
Diameter of Borehole (in.): 10
Filter Pack (ft): 12.5

Well Purging:

Equipment: 2" Dedicated Pump
Depth to Water Surface (ft): 29.90
Feet of Water in Well: 15.1
A) Casing volume above filter pack: 2.6 X 0.17 = 0.4
B) Filter Pack Volume (gal): 12.5 X 1.1 = 13.75
Borehole volume (gal): A + B = 14.2
Minimum Purge Volume (gal): Borehole Volume X 1.5 = 21.3

Immiscible layer Y/N?: N
Max. depth during purging (ft): DRY - 45
80 percent recovery: 32.92
Depth at time of sampling (ft): 31.45
Total Volume Purged (gal.): 21.3

	Time	pH	EC (µS/cm)	Temp. (C)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Pump Rate (gpm)	Vol. Purged (gal)
Purge	0835	6.93	1287	23.78	463.3	5.99	153	—	Ø
	0857	6.92	1302	26.81	21.2	4.08	155	~0.3	7.1
	0920	6.76	1410	26.40	42.5	3.51	174	↓	14.2
	0926	6.77	1471	26.76	39.4	3.10	191	↓	16.2
	0926	WELL PURGED TO BOTTOM							
Sample	1212	6.77	1463	25.13	39.8	3.18	190	—	—

% Recovered: 90%
Depth of Pump (feet): 44
Purge Water Disposal: Collected and Sprayed

Sample Collection:

Volume	Container	Filtered	Pres.	Parameters
3 x 40 ml	VOA	N	HCl, 4°C	VOCs by 8260
1 x 1 L	Poly	N	4°C	General Chemistry: NO_3 (as N), SO_4, Cl,CO3, HCO3 Dissolved Metals (Ca, Mg, K, Na)
1 x 250ml	Glass	N	H_2SO,4°C	COD
1 x 1 L	Poly	N	4°C	TDS

Date/Time: 7-26-07 1212
Sample ID: POGW-18B
COC #: 2047
Field Crew: RJK/WEC
Samplers Signature: WEC

Comments: WELL PURGED DRY @ 1145 Hr

1145 RESTART PURGE - DTW @ RESTART = 30.64'

1145	6.90	1421	24.13	27.1	3.76	183	—	—
1202	6.76	1468	25.01	38.6	3.21	190	~0.3	21.3

1202 STOPPED PURGING

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Poway Landfill
Groundwater Sample Collection Log
POGW-19

Well Data:

Sample Type: Groundwater
Well Depth (ft): 85
Casing Elevation (ft): NA

Weather: Sunny 75°F
Diameter of Well (in.): 2
Diameter of Borehole (in.): 6

Well Purging:

Equipment: 1.6" Dedicated Pump
Depth to Water Surface (ft): 74.71

Immiscible layer Y/N?: N

	Time	pH	EC (µS/cm)	Temp. (C)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	DTW (ft)	Pump Rate (ml/min)
Purge	0841	7.84	2177	25.26	170.1	6.464	7	74.82	100
	0846	6.85	1918	25.01	337.0	1.062	15	74.91	100
	0850	6.83	1994	24.72	2281.1	0.892	16	74.93	100
	0853	6.87	1988	24.88	442.6	0.729	20	74.94	100
	0856	6.88	1980	24.95	307.3	0.740	21	74.94	100
	0859	6.88	1977	24.90	52.7	0.642	23	74.94	100
	0902	6.90	2002	25.02	54.0	0.597	25	74.94	100
	0905	6.90	2000	24.95	50.9	0.592	27	74.94	100
Sample	0906	6.90	2000	24.95	50.9	0.592	27	74.94	100

Depth of Pump (feet): 80
Purge Water Disposal: Collected and Sprayed

Sample Collection:

Volume	Container	Filtered	Pres.	Parameters
3 x 40 ml	VOA	N	HCl, 4°C	VOCs by 8260
1 x 1 L	Poly	N	4°C	General Chemistry: NO_3 (as N), SO_4, Cl,CO3, HCO3 Dissolved Metals (Ca, Mg, K, Na)
1 x 250ml	Glass	N	H_2SO,4°C	COD
1 x 1 L	Poly	N	4°C	TDS

Date/Time: 7/27/07 0906
Sample ID: POGW-19
COC #: 2046
Field Crew: RJK
Samplers Signature:

Comments:

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Poway Landfill
Groundwater Sample Collection Log
POGW-20

Well Data:

Sample Type: Groundwater
Well Depth (ft): 43
Casing Elevation (ft): NA

Weather: Sunny 85°F
Diameter of Well (in.): 2
Diameter of Borehole (in.): 4 (filter pack)
Filter Pack (ft): 16

Well Purging:

Equipment: 2" Dedicated Pump
Depth to Water Surface (ft): 32.04
Feet of Water in Well: 11.96
Borehole Volume (gal) X 0.3 = 3.6
Minimum Purge Volume (gal): Borehole Volume X 1.5 = 5.4

Immiscible layer Y/N?: N
Max. depth during purging (ft): 39.50
80 percent recovery: ~~36.70~~ 33.53
Depth at time of sampling (ft): 33.66
Total Volume Purged (gal.): 5.4

	Time	pH	EC (µS/cm)	Temp. (C)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Pump Rate (gpm)	Vol. Purged (gal)
Purge	1357	7.65	1124	24.29	163.1	7.429	155	–	~~0~~
	1403	6.69	1147	24.84	75.4	6.566	154		2.0
	1409	6.47	1213	25.28	44.2	5.968	171		4.0
	1417	6.41	1283	25.58	20.9	5.570	184		5.4
Sample	1419	7.39	1285	23.98	189.1	6.954	172	–	—

% Recovered: 79%
Depth of Pump (feet): 41
Purge Water Disposal: Collected and Sprayed

Sample Collection:

Volume	Container	Filtered	Pres.	Parameters
3 x 40 ml	VOA	N	HCl, 4°C	VOCs by 8260
1 x 1 L	Poly	N	4°C	General Chemistry: NO_3 (as N), SO_4, Cl,CO3, HCO3 Dissolved Metals (Ca, Mg, K, Na)
1 x 250ml	Glass	N	H_2SO,4°C	COD
1 x 1 L	Poly	N	4°C	TDS

Date/Time: 7/26/07 1419
Sample ID: POGW-20
COC #: 2046
Field Crew: RJK/WBC
Samplers Signature:

Comments: 130Hz ↑137
Purge to Bucket

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Poway Landfill
Groundwater Sample Collection Log
POGW-21

Well Data:

Sample Type: Groundwater
Well Depth (ft): 32.9
Casing Elevation (ft): NA

Weather: Sunny 90°F
Diameter of Well (in.): 2
Diameter of Borehole (in.): 8
Filter Pack (ft): 19

Well Purging:

Equipment: 2" Dedicated Pump
Depth to Water Surface (ft): 28.40
Feet of Water in Well: 4.50
Borehole Volume (gal) X 0.8 = 3.6
Minimum Purge Volume (gal): Borehole Volume X 1.5 = 5.4

Immiscible layer Y/N?: N
Max. depth during purging (ft): 32.90
80 percent recovery: 29.30
Depth at time of sampling (ft): 29.30
Total Volume Purged (gal.): 5.4

	Time	pH	EC (µS/cm)	Temp. (C)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Pump Rate (gpm)	Vol. Purged (gal)	
Purge	0937	7.63	2144	24.77	291.0	14.740	51	–	0	
	0943	7.71	2176	27.16	204.0	13.872	54		1.7	Purge to Bottom
	0954	7.38	2195	26.04	570.6	13.831	95		1.9	
	1011	7.40	2186	27.21	204.1	12.872	90		3.0	Purge to Bottom
	1026	7.63	2243	27.00	667.1	13.439	101		3.1	
Sample	1124			~	~~8677~~					

% Recovered: 80%
Depth of Pump (feet): 31
Purge Water Disposal: Collected and Sprayed

Sample Collection:

Volume	Container	Filtered	Pres.	Parameters
3 x 40 ml	VOA	N	HCl, 4°C	VOCs by 8260
1 x 1 L	Poly	N	4°C	General Chemistry: NO_3 (as N), SO_4, Cl,CO3, HCO3 Dissolved Metals (Ca, Mg, K, Na)
1 x 250ml	Glass	N	H_2SO,4°C	COD
1 x 1 L	Poly	N	4°C	TDS

Date/Time: 7/27/07 1124
Sample ID: POGW-21
COC #: 2046
Field Crew: RJK
Samplers Signature:

Comments: 120 Hz
125 Hz ↑126 Hz ↑128 ↑130 ↑135 ↑170 ↑180 ↓↑↓↑↓↑ ~125
80% recharge w/in each 15 min recharge period.
Insufficient water to collect parameters, well went dry @ end of sampling.

1043	7.50	2257	29.47	869.4	11.741	107	4.3	Purge to Bottom
1058	6.84	2305	27.51	165.1	13.138	110	4.5	
1109	6.78	2385	29.43	137.1	12.333	108	5.4	

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Landfill Management

Third Quarter 2007

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10 Gals.

Poway Landfill
Groundwater Sample Collection Log
POGW-22

Well Data:

Sample Type:	Groundwater	Weather:	SUNNY, 75°
Well Depth (ft):	200	Diameter of Well (in.):	2
Casing Elevation (ft):	NA	Diameter of Borehole (in.):	6
		Filter Pack (ft):	19

Well Purging:

Equipment:	2" Dedicated Pump	Immiscible layer Y/N?:	N
Depth to Water Surface (ft):	~~[illegible]~~ 142.37	Max. depth during purging (ft):	~~200~~ 198
Feet of Water in Well:	58.63	80 percent recovery:	~~181.16~~ 153.10
Borehole Volume (gal)	x 0.5 = 29.32	Depth at time of sampling (ft):	181.16
Minimum Purge Volume (gal):	Borehole Volume X 1.5 =	Total Volume Purged (gal.):	12.5

	Time	pH	EC (µS/cm)	Temp. (C)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Pump Rate (gpm)	Vol. Purged (gal)
12:00	[redacted]	7.27	1345	23.50	47.5	4.910	-62	~	Ø
Purge	12:32	7.18	1301	22.91	132.6	4.02	-71	~0.4	12.5
	12:32	WELL	BAILED	TO BOTTOM					
Sample	1441	8.40	938.6	24.28	211.8	2.694	133		

% Recovered: ~~32%~~ 30% Depth of Pump (feet): 198
Purge Water Disposal: Collected and Sprayed

Sample Collection:

Volume	Container	Filtered	Pres.	Parameters
3 x 40 ml	VOA	N	HCl, 4°C	VOCs by 8260
1 x 1 L	Poly	N	4°C	General Chemistry: NO_3 (as N), SO_4, Cl,CO3, HCO3 Dissolved Metals (Ca, Mg, K, Na)
1 x 250ml	Glass	N	H_2SO,4°C	COD
1 x 1 L	Poly	N	4°C	TDS

Date/Time: 7-27-07 1441
Sample ID: POGW-22
COC #: 7046
Field Crew: RJL/BBC
Samplers Signature:

Comments: Tubing Split - Pump brought back to BBC Office

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Poway Landfill
Groundwater Sample Collection Log
POGW-23

Well Data:

Sample Type:	Groundwater	Weather:	PARTLY CLOUDY 65 °F
Well Depth (ft):	40	Diameter of Well (in.):	2
Casing Elevation (ft):	NA	Diameter of Borehole (in.):	8
		Filter Pack (ft):	13

Well Purging:

Equipment:	2" Dedicated Pump	Immiscible layer Y/N?:	N
Depth to Water Surface (ft):	34.14	Max. depth during purging (ft):	~~40~~ 39
Feet of Water in Well:	5.86	80 percent recovery:	35.31
Borehole Volume (gal)	x 0.8 = 4.7	Depth at time of sampling (ft):	35.47
Purge Volume (gal): =	Purge dry (slow recovery)	Total Volume Purged (gal.):	3.0

	Time	pH	EC (µS/cm)	Temp. (C)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Pump Rate (gpm)	Vol. Purged (gal)
Purge	~~0256~~		~~1428~~	~~25.7~~	~~8.28~~				
	0730	6.93	1955	22.78	9.2	3.98	127	~	ϕ
	0745	7.08	2025	24.50	19.8	6.24	113	~0.2	2.5
	0747	7.09	3245	24.79	16.4	5.77	117	~0.2	3.0
	0747	WELL PURGED TO BOTTOM							
Sample	0956	7.03	2720	24.12	8.7	4.11	121	—	—

% Recovered: ~~77%~~ 73% Depth of Pump (feet): 39

Purge Water Disposal: Collected and Sprayed

Sample Collection:

Volume	Container	Filtered	Pres.	Parameters
3 x 40 ml	VOA	N	HCl, 4°C	VOCs by 8260
1 x 1 L	Poly	N	4°C	General Chemistry: NO_3 (as N), SO_4, Cl,CO3, HCO3 Dissolved Metals (Ca, Mg, K, Na)
1 x 250ml	Glass	N	H_2SO,4°C	COD
1 x 1 L	Poly	N	4°C	TDS

Date/Time: 7/26/07 0956
Sample ID: POGW-23
COC #: 2047
Field Crew: RJK / WBC
Samplers Signature:

Comments: Slow Recharge. FRESH ASPHALT ~~PAVING~~ PAVING LAYED ON 7/25

609.5 L1-6
611.1
612.7
614.2

WELL PURGED DRY @ 140 Hz

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Poway Landfill
Groundwater Sample Collection Log
POGW-24A

Well Data:

Sample Type: Groundwater
Well Depth (ft): 19.6
Casing Elevation (ft): NA

Weather: –
Diameter of Well (in.): 2
Diameter of Borehole (in.): 8
Filter Pack (ft): 13

Well Purging:

Equipment: Disposable Bailer
Depth to Water Surface (ft): 19.44
Feet of Water in Well: 0.16
Borehole Volume (gal) x 0.8 =
Purge Volume (gal): = Purge dry (slow recovery)

Immiscible layer Y/N?: N
Max. depth during purging (ft): –
80 percent recovery: –
Depth at time of sampling (ft): –
Total Volume Purged (gal.): –

	Time	pH	EC (µS/cm)	Temp. (C)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Pump Rate (gpm)	Vol. Purged (gal)
Purge			Well Dry						
				No Purge or Sample					
Sample									

% Recovered:
Depth of Pump (feet): NA
Purge Water Disposal: Collected and Sprayed

Sample Collection:

Volume	Container	Filtered	Pres.	Parameters
3 x 40 ml	VOA	N	HCl, 4°C	VOCs by 8260
1 x 1 L	Poly	N	4°C	General Chemistry: NO_3 (as N), SO_4, Cl,CO3, HCO3 Dissolved Metals (Ca, Mg, K, Na)
1 x 250ml	Glass	N	H_2SO,4°C	COD
1 x 1 L	Poly	N	4°C	TDS

Date/Time: 7/25/07 –
Sample ID: POGW-24A
COC #: –
Field Crew: RJK
Samplers Signature:

Comments:

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Poway Landfill
Groundwater Sample Collection Log
POGW-24B

Well Data:

Sample Type: Groundwater
Well Depth (ft): 45.1
Casing Elevation (ft): NA

Weather: Sunny 90°F
Diameter of Well (in.): 2
Diameter of Borehole (in.): 8
Filter Pack (ft): 13

Well Purging:

Equipment: 2" Dedicated Pump
Depth to Water Surface (ft): 20.50
Feet of Water in Well: 24.6
A) Casing volume above filter pack: 11.6 X 0.17 = 2.0
B) Filter Pack Volume (gal):13 X 0.8 = 10.4
Borehole volume (gal): A + B = 12.4
Minimum Purge Volume (gal): Borehole Volume X 1.5 = 18.6

Immiscible layer Y/N?: N
Max. depth during purging (ft): 40.00
80 percent recovery: 24.40
Depth at time of sampling (ft): 20.69
Total Volume Purged (gal.): 18.6

	Time	pH	EC (µS/cm)	Temp. (C)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Pump Rate (gpm)	Vol. Purged (gal)
Purge	1221	6.30	3132	24.63	8.3	5.321	99	~	0
	1232	6.23	2963	25.94	35.2	4.527	109	↓	6.2
	1245	6.52	3107	26.99	92.5	3.681	101		12.4
	1249	6.38	2991	25.59	100.1	3.554	98	↓	15.5
	1256	6.23	2937	24.78	108.9	3.271	98	0.5	18.6
Sample	1340	6.90	2899	25.01	38.3	6.695	122		

% Recovered: 99%
Depth of Pump (feet): 43.5
Purge Water Disposal: Collected and Sprayed

Sample Collection:

Volume	Container	Filtered	Pres.	Parameters
3 x 40 ml	VOA	N	HCl, 4°C	VOCs by 8260
1 x 1 L	Poly	N	4°C	General Chemistry: NO_3 (as N), SO_4, Cl,CO3, HCO3 Dissolved Metals (Ca, Mg, K, Na)
1 x 250ml	Glass	N	H_2SO,4°C	COD
1 x 1 L	Poly	N	4°C	TDS

Date/Time: 7/25/07 1340
Sample ID: POGW-24B
COC #: 2045
Field Crew: RJK
Samplers Signature:

Comments: 130 Hz 0.4gpm ↑135Hz ↑145 ↑150 ↑155 ↑160 ✓615.7 [8.2] ✓622.9 ✓628.1 634.3

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Poway Landfill
Groundwater Sample Collection Log
POPW-1

Well Data:

Sample Type: Groundwater
Well Depth (ft): 116
Casing Elevation (ft): 724.07

Weather: Sunny 80°F
Diameter of Well (in.): 4
Diameter of Borehole (in.): 8
Filter Pack (ft): 31

Well Purging:

Equipment: Portable GrundFos
Depth to Water Surface (ft): 81.75
Feet of Water in Well: 35.25
Borehole Volume (gal): X 1.1 = 38.8
Minimum Purge Volume (gal): Borehole Volume X 1.5 = 58.20

Immiscible layer Y/N?: N
Max. depth during purging (ft): 95.81
80 percent recovery: 84.56
Depth at time of sampling (ft): 84.56
Total Volume Purged (gal.):

	Time	pH	EC (µS/cm)	Temp. (C)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Pump Rate (gpm)	Vol. Purged (gal)
Purge	1146	6.65	3795	28.94	85.8	7.777	141	–	8
	1156	6.33	3697	27.51	98.9	8.136	134		19.4
	1207	6.04	3675	27.15	34.4	9.251	84		38.8
	1212	6.22	3684	27.40	37.3	8.576	92		48.8
	1219	6.23	3706	27.71	35.0	9.517	100		58.2
Sample	1415	6.77	3648	26.14	34.7	2.441	150	–	–

% Recovered: 80%
Depth of Pump (feet): 114'
Purge Water Disposal: Collected and Sprayed

Sample Collection:

Volume	Container	Filtered	Pres.	Parameters
3 x 40 ml	VOA	N	HCl, 4°C	VOCs by 8260
1 x 1 L	Poly	N	4°C	General Chemistry: NO_3 (as N), SO_4, Cl,CO3, HCO3 Dissolved Metals (Ca, Mg, K, Na)
1 x 250ml	Glass	N	H_2SO,4°C	COD
1 x 1 L	Poly	N	4°C	TDS

Date/Time: 7/27/07 1415
Sample ID: POPW-1
COC #: 2046
Field Crew: RJK/WBC
Samplers Signature:

✓ 380.6 ✓ 12.4
✓ ~~32~~ 400.0
✓ 412.4
438.8

Comments:
255Hz

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Landfill Management

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Poway Landfill
Groundwater Sample Collection Log
QCFB

Well Data:

Sample Type: Groundwater
QA/QC

Sample Collection:

Location: Near POGW-15

Weather: Sunny 95°F

Volume	Container	Filtered	Pres.	Parameters
2 x 40 ml	VOA	N	HCl, 4°C	VOCs by 8260

Date/Time: ~~RJK~~ 7/25/07 1443
Sample ID: QCFB
COC #: 2045
Field Crew: RJK
Samplers Signature:

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Poway Landfill
Groundwater Sample Collection Log
QCFB

Well Data:

Sample Type: Groundwater
QA/QC

Sample Collection:

Location: Near POGW-16

Weather: Sunny 85°F

Volume	Container	Filtered	Pres.	Parameters
2 x 40 ml	VOA	N	HCl, 4°C	VOCs by 8260

Date/Time: 7/26/07 1530
Sample ID: QCFB
COC #: 2046
Field Crew: RJK/WBC
Samplers Signature:

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Poway Landfill
Groundwater Sample Collection Log
QCFB

Well Data:

Sample Type: Groundwater
QA/QC

Sample Collection:

Location: Near PDPW-22

Weather: Sunny 85 °F

Volume	Container	Filtered	Pres.	Parameters
2 x 40 ml	VOA	N	HCl, 4°C	VOCs by 8260

Date/Time: 7/27/07 1501
Sample ID: QCFB
COC #: 2047
Field Crew: RJK/WBC
Samplers Signature:

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Poway Landfill
Groundwater Sample Collection Log
QCEB

Well Data:

Sample Type: Groundwater
QA/QC

Sample Collection:

Location: Near POPW-22

Weather: Sunny 85°F

Volume	Container	Filtered	Pres.	Parameters
3 x 40 ml	VOA	N	HCl, 4°C	VOCs by 8260
1 x 1 L	Poly	N	4°C	General Chemistry: NO_3 (as N), SO_4, Cl, CO_3, HCO_3 Dissolved Metals (Ca, Mg, K, Na)
1 x 1 L	Poly	N	4°C	TDS
1 x 250ml	Glass	N	H_2SO,4°C	COD

Date/Time: 7/27/07 1510
Sample ID: QCEB
COC #: 2047~~4027~~
Field Crew: RJK/WBC
Samplers Signature:

Document Number: 2045

Analysis Request and Chain of Custody Record

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Project Name: SD County Inactive Landfills	Project Number: Poway Landfill
Samplers Names: Rory Klinger	Project Contact: D. Skiggon
Laboratory Name: CalScience Env. Labs	Lab Contact: S. Nowak
Lab Address: 7440 Lincoln Way, Garden Grove, CA	Lab Phone: 714-895-5494
	Carrier/Waybill No.: Lab Courier

White copy: to accompany samples

Yellow copy: field copy

Sample Name	Date	Time	Sample Type	VOCs by 8260 (VOA HCl)	Metals + Gen.Chem. (Poly None)		SVOCs by 8270 (Glass H_2SO_4)	COD (Poly None)	TDS						Comments	Lab Use Only: Condition of Bottles
POGW-11	7/25/07		H_2O	3	1		1	1								
POGW-15				3	1		1	1								
POGW-17B				3	1		1	1								
POGW-24B				3	1		1	1								
QCFB				2												
QCTB	7/25/07		H_2O	2												

Special Instructions: Filter + Preserve Metals upon receipt
Gen. Chem.: HCO_3, CO_3, Cl, NO_3(as N), SO_4
Metals: Ca, Mg, K, Na

EDF

Turn-around Time: ☒ Normal ☐ Rush: ____

1. Relinquished by (Signiture/Affiliation) BBC Env	Date 7/26/07 Time 1320	1. Received by (Signiture/Affiliation) CEL	Date 7/26/07 Time 1320
2. Relinquished by (Signiture/Affiliation)	Date Time	2. Received by (Signiture/Affiliation)	Date Time
3. Relinquished by (Signiture/Affiliation)	Date Time	3. Received by (Signiture/Affiliation)	Date Time

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Document Number: 2046

Analysis Request and Chain of Custody Record

Project Name: SD County Inactive Landfills	Project Number: Poway Landfill
Samplers Names: Rory Klinger / Walter Craig	Project Contact: D. Skiggan
Laboratory Name: CalScience Env. Labs	Lab Contact: S. Nowak
Lab Address: 7440 Lincoln Way, Garden Grove, CA	Lab Phone: 714-
	Carrier/Waybill No.: Lab Courier

Page 1 of 2

White copy: to accompany samples

Yellow copy: field copy

Sample Name	Date	Time	Sample Type	VOCs by 8260 (VOA HCl)	Metals + Gen Chem (Poly None)		SVOCs by 8270 (Glass H2SO4)	COD (Poly None)	TDS						Comments	Lab Use Only: Condition of Bottles
POGW-14	7/26/07	1206	H_2O	3	1		1	1								
POGW-9	↑	1225	↑	3	1		1	1								
POGW-6		1149		3	1		1	1								
POGW-10		1458		3	1		1	1								
POGW-16		1518		3	1		1	1								
POGW-20		1412		3	1		1	1								
QCFB	↓	1530		2												
QCTB	7/26/07	—		2												
POGW-19	7/27/07	0906		3	1		1	1								
POGW-21	↑	1124		3	1		1	1								
POPW-1	↓	1415	↓	3	1		1	1								
POGW-22	7/27/07	1441	H_2O	3	1		1	1								

Special Instructions: Filter + Preserve Metals upon receipt
Gen. Chem: HCO_3, CO_3, Cl, NO_3(as N), SO_4
Metals: Ca, Mg, K, Na

EDF

Turn-around Time: ☒ Normal ☐ Rush: _____

1. Relinquished by (Signiture/Affiliation) BBCE Date 7-27-7 Time 1540	1. Received by (Signiture/Affiliation) Date 7/27/7 Time 1540
2. Relinquished by (Signiture/Affiliation) Date Time	2. Received by (Signiture/Affiliation) Date Time
3. Relinquished by (Signiture/Affiliation) Date Time	3. Received by (Signiture/Affiliation) Date Time

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Document Number: 2047

Analysis Request and Chain of Custody Record

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Project Name	Project Number
SD County Inactive Landfills	Poway Landfill
Samplers Names: Rory Klinger / Walter Craig	Project Contact: D. Skiggen
Laboratory Name: Cal Science Env. Labs	Lab Contact: S. Nowak
Lab Address: 7440 Lincoln Way, Garden Grove, CA	Lab Phone: 714
	Carrier/Waybill No.: Lab Courier

White copy: to accompany samples

Yellow copy: field copy

Required Analyses: VOCs by 8260; Metals + Gen. Chem.; SVOCs by 8270; COD; TDS

Bottle Type and Volume/Preservative: VOA HCl; Poly None; Glass H_2SO_4; Poly None

Sample Name	Date	Time	Sample Type	VOCs by 8260 (VOA HCl)	Metals + Gen. Chem. (Poly None)		SVOCs by 8270 (Glass H_2SO_4)	COD (Poly None)	TDS						Comments	Lab Use Only: Condition of Bottles
QCFB	7/27/07	1501	H_2O	2												
QCEB	7/27/07	1510	↑	3	1		1	1								
QCTB	7/27/07	—		2												
POGW-13	7/26/07	1132		3	1		1	1								
POGW-18A	↑	1022		3	1		1	1								
POGW-18B	↓	1212	↓	3	1		1	1								
POGW-23	7/26/07	0956	H_2O	3	1		1	1								

Special Instructions: Filter + Preserve Metals upon receipt
Gen Chem: HCO_3, CO_3, Cl, NO_3 (as N), SO_4
Metals: Ca, Mg, K, Na

EDF

Turn-around Time: ☒ Normal ☐ Rush: _____

1. Relinquished by (Signature/Affiliation) BBC Env.	Date 7/27/7 Time 1540	1. Received by (Signature/Affiliation) CEL	Date 7-27-7 Time 1540
2. Relinquished by (Signature/Affiliation)	Date Time	2. Received by (Signature/Affiliation)	Date Time
3. Relinquished by (Signature/Affiliation)	Date Time	3. Received by (Signature/Affiliation)	Date Time

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PHOTOGRAPH LOG

Project No.: 'SC0233 Task No.: 04

Site Name: Posey

Date	~~Photo #~~	Well ID ~~Initals~~	Time ~~Direction Facing~~	DTW (Ft)	Description
8/28/07		POGW23	1325	35.09 ✓	
		POGW-11	1337	52.74 ✓	
		POGW-17A	1347	18.02 ✓	
		POGW-17B	1357	25.98 ✓	
	(24A)	POGW-24A	1401	19.54 (DRY) ✓	
	(24B)	POGW-24B	1407	20.74	
1428	1414 (12)	POGW12		trailer parked on	15.62 ✓
1431	1414 (13)	POGW13		" " "	19.47 ✓
1439		POGW-18A		14.65 (DRY)	
1442		POGW-18B		30.39 ✓	
1451		POGW-15		18.58 ✓	
1501		POGW22		143.01	
1511		POGW-09		43.46 ✓	
1530		POGW-10		44.19 ✓	
1539		POPW-3		61.83 ✓	
1543		POPW-1		82.06 ✓	
1546	POGW	POPW-14		87.87 ✓	
15 1559		POGW6		9.67 ✓	
16 1610		POGW-16		57.10 ✓	
16 1613		POGW-19		74.92 ✓	
1620		POGW-21		28.59 ✓	
1628		POGW-20		32.39 ✓	
1637		POPW-4		82.61 ✓	
1645		POPW-2B		81.91 ✓	
1647		POPW-2A		83.72 ✓	

Soil Vapor Collection Logs

SOIL GAS PROBE MEASUREMENTS

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Project Name: Poway
Project Number: SC0233
Phase Number: 12-01
Date: 7/9/07 Weather: Sunny
Field Personnel: C. Gale / S. McCarty
Tracer Gas: He

Probe # PVP-1
PID Model #
PID Serial #
Landtech GEM 2000 Landfill Gas Meter Serial #
Helium detector (model and serial number)
Air Temperature _____ Atm. Pressure _____ (in Hg)

Lamp: 10.6 / 11.7 eV

Field tubing blank (ppmv)		Time		Initial Pressure/Vacuum (prior to pumping)	0.5	Time	1108

Subsurface type	☐ Asphalt	☒ Concrete	☐ Grass	☐ Other
Surface thickness: _____ in/cm (ie. asphalt of concrete surface)		☐ unknown		

1 Casing Volume	
☐ Sub-slab <0.1 L	
Soil gas probe	(L)

Start of Pneumatic Testing :		
Elapsed Time (min.)	Flow Rate (LPM)	Well Head Vacuum (in H_2O)
	0.2	
	0.5	
	1	

Start Time	End Time	Elapsed Time (min)	Bag Volume (L)	Purge Rate (LPM)	Total Vol (L)	Well Head Vacuum (in H_2O)	CH4 (%)	CO2 (%)	O2 (%)	Tracer Gas (%)			VOCs by PID (ppmv)
										min	max	Sample	
1110	1120	10		0.2	2	29.5							

Time	Location	Sample ID	Summa Canister ID	Initial Vacuum (in Hg)	Final Vacuum (in Hg)

Comments

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Project Name: Poway
Project Number: SL0233
Phase Number: 12-01
Date: 7/9/07 Weather: Sunny
Field Personnel: C. Gale / S. McCarthy
Tracer Gas: He

Probe # PVP-2B
PID Model #
PID Serial #
Landtech GEM 2000 Landfill Gas Meter Serial #
Helium detector (model and serial number)
Air Temperature _____ Atm. Pressure _____ (in Hg)
Lamp: 10.6 / 11.7 eV

Field tubing blank (ppmv)		Time		Initial Pressure/Vacuum (prior to pumping)	2.15 inH2O	Time	1051

Subsurface type	☐ Asphalt	☒ Concrete	☐ Grass	☐ Other
Surface thickness: _____ in/cm (ie. asphalt of concrete surface)		☐ unknown		

1 Casing Volume	
☐ Sub-slab <0.1 L	
Soil gas probe	(L)

Start of Pneumatic Testing :		
Elapsed Time (min.)	Flow Rate (LPM)	Well Head Vacuum (in H_2O)
	0.2	
	0.5	
	1	

Start Time	End Time	Elapsed Time (min)	Bag Volume (L)	Purge Rate (LPM)	Total Vol (L)	Well Head Vacuum (in H_2O)	CH4 (%)	CO2 (%)	O2 (%)	Tracer Gas (%)			VOCs by PID (ppmv)
										min	max	Sample	
1053	1056	3		0.2	0.6	>100							

Time	Location	Sample ID	Summa Canister ID	Initial Vacuum (in Hg)	Final Vacuum (in Hg)

Comments

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Project Name: Poway
Project Number: SC0233
Phase Number: 12-01
Date: 7/9/07 Weather: Sunny
Field Personnel: C. Gale, S. McCarthy
Tracer Gas: He

Probe # PVP-3B
PID Model #
PID Serial #
Landtech GEM 2000 Landfill Gas Meter Serial #
Helium detector (model and serial number)
Air Temperature _____ Atm. Pressure _____ (in Hg)
Lamp: 10.6 / 11.7 eV

Field tubing blank (ppmv)	—	Time	—	Initial Pressure/Vacuum (prior to pumping)	0	Time	10:10

Start of Pneumatic Testing :		
Elapsed Time (min.)	Flow Rate (LPM)	Well Head Vacuum (in H_2O)
	0.2	
	0.5	
	1	

Subsurface type ☐ Asphalt ☐ Concrete ☑ Grass ☐ Other
Surface thickness: _____ in/cm ☐ unknown
(ie. asphalt of concrete surface)

1 Casing Volume
☐ Sub-slab <0.1 L
Soil gas probe (L)

Start Time	End Time	Elapsed Time (min)	Bag Volume (L)	Purge Rate (LPM)	Total Vol (L)	Well Head Vacuum (in H_2O)	CH4 (%)	CO2 (%)	O2 (%)	Tracer Gas (%)			VOCs by PID (ppmv)
										min	max	Sample	
10:10	10:16			0.2		>100							

Time	Location	Sample ID	Summa Canister ID	Initial Vacuum (in Hg)	Final Vacuum (in Hg)

Comments

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Project Name: Poway
Project Number: SC0233
Phase Number: 12-01
Date: 7/9/07 Weather: Sunny
Field Personnel: L. Gale / S. McCarthy
Tracer Gas: He

Probe # PVP-4B
PID Model #
PID Serial #
Landtech GEM 2000 Landfill Gas Meter Serial #
Helium detector (model and serial number)
Air Temperature Atm. Pressure (in Hg)
Lamp: 10.6 / 11.7 eV

Field tubing blank (ppmv)	—	Time	—	Initial Pressure/Vacuum (prior to pumping)	0	Time	1036

Subsurface type ☐ Asphalt ☐ Concrete ☐ Grass ☐ Other
Surface thickness: _____ in/cm ☐ unknown
(ie. asphalt of concrete surface)

1 Casing Volume
☐ Sub-slab <0.1 L
Soil gas probe (L)

Start of Pneumatic Testing :

Elapsed Time (min.)	Flow Rate (LPM)	Well Head Vacuum (in H_2O)
	0.2	
	0.5	
	1	

Start Time	End Time	Elapsed Time (min)	Bag Volume (L)	Purge Rate (LPM)	Total Vol (L)	Well Head Vacuum (in H_2O)	CH4 (%)	CO2 (%)	O2 (%)	Tracer Gas (%) min	Tracer Gas (%) max	Tracer Gas (%) Sample	VOCs by PID (ppmv)
1037	1041	4		0.2	0.8	>100							

Time	Location	Sample ID	Summa Canister ID	Initial Vacuum (in Hg)	Final Vacuum (in Hg)

Comments

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Project Name: Poway
Project Number: SC0233
Phase Number: 12-01
Date: 7/9/07 Weather: Sunny
Field Personnel: C. Cole / S. McCarthy
Tracer Gas: He

Probe # VW-2B
PID Model #
PID Serial #
Landtech GEM 2000 Landfill Gas Meter Serial #
Helium detector (model and serial number)
Air Temperature Atm. Pressure (in Hg)
Lamp: 10.6 / 11.7 eV

Field tubing blank (ppmv)		Time		Initial Pressure/Vacuum (prior to pumping)	0	Time	1244

Subsurface type ☐ Asphalt ☒ Concrete ☐ Grass ☐ Other
Surface thickness: _____ in/cm ☐ unknown
(ie. asphalt of concrete surface)

1 Casing Volume
☐ Sub-slab <0.1 L
Soil gas probe (L)

Start of Pneumatic Testing :		
Elapsed Time (min.)	Flow Rate (LPM)	Well Head Vacuum (in H_2O)
	0.2	
	0.5	
	1	

Start Time	End Time	Elapsed Time (min)	Bag Volume (L)	Purge Rate (LPM)	Total Vol (L)	Well Head Vacuum (in H_2O)	CH4 (%)	CO2 (%)	O2 (%)	Tracer Gas (%)			VOCs by PID (ppmv)
										min	max	Sample	
1245	1246	1		0.2	0.2	>100							

Time	Location	Sample ID	Summa Canister ID	Initial Vacuum (in Hg)	Final Vacuum (in Hg)

Comments

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Project Name: Poway
Project Number: SC0233
Phase Number: 12-01
Date: 7/9/07 Weather: Sunny
Field Personnel: C. Gale/S. McCarthy
Tracer Gas: He

Probe # UW-3B
PID Model #
PID Serial #
Landtech GEM 2000 Landfill Gas Meter Serial #
Helium detector (model and serial number)
Air Temperature _____ Atm. Pressure _____ (in Hg)

Lamp: 10.6 / 11.7 eV

Field tubing blank (ppmv)		Time		Initial Pressure/Vacuum (prior to pumping)	0.160	Time	1258

Subsurface type	☐ Asphalt	☐ Concrete	☐ Grass	☐ Other
Surface thickness: _____ in/cm		☐ unknown		
(ie. asphalt of concrete surface)				

1 Casing Volume
☐ Sub-slab <0.1 L
Soil gas probe (L)

Start of Pneumatic Testing :		
Elapsed Time (min.)	Flow Rate (LPM)	Well Head Vacuum (in H_2O)
	0.2	
	0.5	
	1	

Start Time	End Time	Elapsed Time (min)	Bag Volume (L)	Purge Rate (LPM)	Total Vol (L)	Well Head Vacuum (in H_2O)	CH4 (%)	CO2 (%)	O2 (%)	Tracer Gas (%)			VOCs by PID (ppmv)
										min	max	Sample	
1258	1300	2		0.2	0.4	>100							

Time	Location	Sample ID	Summa Canister ID	Initial Vacuum (in Hg)	Final Vacuum (in Hg)

Comments

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Project Name: Poway
Project Number: SC0233
Phase Number: 12-01
Date: 7/8/07 Weather: Sunny
Field Personnel: C. Gale / S. Mccarthy
Tracer Gas: He

Probe # VW-5B
PID Model #
PID Serial #
Landtech GEM 2000 Landfill Gas Meter Serial #
Helium detector (model and serial number)
Air Temperature Atm. Pressure (in Hg)
Lamp: 10.6 / 11.7 eV

Field tubing blank (ppmv)		Time		Initial Pressure/Vacuum (prior to pumping)	0.105	Time	1316

Subsurface type ☐ Asphalt ☒ Concrete ☐ Grass ☐ Other
Surface thickness: _____ in/cm ☐ unknown
(ie. asphalt of concrete surface)

1 Casing Volume
☐ Sub-slab <0.1 L
Soil gas probe (L)

Start of Pneumatic Testing :

Elapsed Time (min.)	Flow Rate (LPM)	Well Head Vacuum (in H_2O)
	0.2	
	0.5	
	1	

Start Time	End Time	Elapsed Time (min)	Bag Volume (L)	Purge Rate (LPM)	Total Vol (L)	Well Head Vacuum (in H_2O)	CH4 (%)	CO2 (%)	O2 (%)	Tracer Gas (%) min	Tracer Gas (%) max	Tracer Gas (%) Sample	VOCs by PID (ppmv)
1316	1318	2		0.2	0.4	>100							

Time	Location	Sample ID	Summa Canister ID	Initial Vacuum (in Hg)	Final Vacuum (in Hg)

Comments

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Project Name: Poway
Project Number: SC0233
Phase Number: 12-01
Date: 7/9/07 Weather: Sunny
Field Personnel: C. Gale / S. McCarthy
Tracer Gas: He

Probe # VW-613 Lamp: 10.6 / 11.7 eV
PID Model #
PID Serial #
Landtech GEM 2000 Landfill Gas Meter Serial #
Helium detector (model and serial number)
Air Temperature Atm. Pressure (in Hg)

Field tubing blank (ppmv)		Time		Initial Pressure/Vacuum (prior to pumping)	0.25	Time	1333

Subsurface type	☐ Asphalt	☒ Concrete	☐ Grass	☐ Other
Surface thickness:	in/cm	☐ unknown		
(ie. asphalt of concrete surface)				

1 Casing Volume
☐ Sub-slab <0.1 L
Soil gas probe (L)

Start of Pneumatic Testing :		
Elapsed Time (min.)	Flow Rate (LPM)	Well Head Vacuum (in H_2O)
	0.2	
	0.5	
	1	

Start Time	End Time	Elapsed Time (min)	Bag Volume (L)	Purge Rate (LPM)	Total Vol (L)	Well Head Vacuum (in H_2O)	CH4 (%)	CO2 (%)	O2 (%)	Tracer Gas (%)			VOCs by PID (ppmv)
										min	max	Sample	
1334	1330	<5 sec.	—	0.2	—	>100							

Time	Location	Sample ID	Summa Canister ID	Initial Vacuum (in Hg)	Final Vacuum (in Hg)

Comments
Probe tube immediately filled w/water

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Project Name: Poway
Project Number: SC0233
Phase Number: 12-01
Date: 7/5/07 Weather: Sunny
Field Personnel: C. Gale / S. McCarthy
Tracer Gas: He

Probe # VW-7B
PID Model #
PID Serial #
Landtech GEM 2000 Landfill Gas Meter Serial #
Helium detector (model and serial number)
Air Temperature Atm. Pressure (in Hg)
Lamp: 10.6 / 11.7 eV

Field tubing blank (ppmv)		Time		Initial Pressure/Vacuum (prior to pumping)	0	Time	1349

Subsurface type ☐ Asphalt ☒ Concrete ☐ Grass ☐ Other
Surface thickness: _____ in/cm ☐ unknown
(ie. asphalt of concrete surface)

1 Casing Volume
☐ Sub-slab <0.1 L
Soil gas probe (L)

Start of Pneumatic Testing :		
Elapsed Time (min.)	Flow Rate (LPM)	Well Head Vacuum (in H_2O)
	0.2	
	0.5	
	1	

Start Time	End Time	Elapsed Time (min)	Bag Volume (L)	Purge Rate (LPM)	Total Vol (L)	Well Head Vacuum (in H_2O)	CH4 (%)	CO2 (%)	O2 (%)	Tracer Gas (%)			VOCs by PID (ppmv)
										min	max	Sample	
1349	1350	1		0.2	0.2	>100							

Time	Location	Sample ID	Summa Canister ID	Initial Vacuum (in Hg)	Final Vacuum (in Hg)

Comments

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Project Name: Poway
Project Number: SC0233
Phase Number: 12.01
Date: 7/9/07 Weather: Sunny
Field Personnel: L. Gale / S. McCarthy
Tracer Gas: He

Probe # VV-9
PID Model #
PID Serial #
Landtech GEM 2000 Landfill Gas Meter Serial #
Helium detector (model and serial number)
Air Temperature Atm. Pressure (in Hg)
Lamp: 10.6 / 11.7 eV

Field tubing blank (ppmv)		Time		Initial Pressure/Vacuum (prior to pumping)	0	Time	1215

Subsurface type	☐ Asphalt	☐ Concrete	☐ Grass	☐ Other
Surface thickness:	in/cm	☐ unknown		
(ie. asphalt of concrete surface)				

1 Casing Volume
☐ Sub-slab <0.1 L
Soil gas probe (L)

Start of Pneumatic Testing :		
Elapsed Time (min.)	Flow Rate (LPM)	Well Head Vacuum (in H_2O)
	0.2	
	0.5	
	1	

Start Time	End Time	Elapsed Time (min)	Bag Volume (L)	Purge Rate (LPM)	Total Vol (L)	Well Head Vacuum (in H_2O)	CH4 (%)	CO2 (%)	O2 (%)	Tracer Gas (%)			VOCs by PID (ppmv)
										min	max	Sample	
1216	1226	10		0.2	2	19.5							

Time	Location	Sample ID	Summa Canister ID	Initial Vacuum (in Hg)	Final Vacuum (in Hg)

Comments

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Project Name: Poway
Project Number: SC0233
Phase Number:
Date: 7/23/07 Weather: Sunny
Field Personnel: S. McCarthy, D. Skippen
Tracer Gas: He

Probe # PVP-1
PID Model # –
PID Serial # –
Landtech GEM 2000 Landfill Gas Meter Serial # R7160
Helium detector (model and serial number) R9585
Air Temperature _____ Atm. Pressure – (in Hg)
Lamp: 10.6 / 11.7 eV

Field tubing blank (ppmv)		Time		Initial Pressure/Vacuum (prior to pumping)	0.5	Time	9:50

Subsurface type ☐ Asphalt ☒ Concrete ☐ Grass ☐ Other
Surface thickness: _____ in/cm ☐ unknown
(ie. asphalt of concrete surface)

1 Casing Volume
☐ Sub-slab <0.1 L
Soil gas probe (L)

Start of Pneumatic Testing :

Elapsed Time (min.)	Flow Rate (LPM)	Well Head Vacuum (in H_2O)
–	0.2	–
–	0.5	–
–	1	–
–		–

Start Time	End Time	Elapsed Time (min)	Bag Volume (L)	Purge Rate (LPM)	Total Vol (L)	Well Head Vacuum (in H_2O)	CH4 (%)	CO2 (%)	O2 (%)	Tracer Gas (%) min	Tracer Gas (%) max	Tracer Gas (%) Sample	VOCs by PID (ppmv)
9:59	10:00	1	3	0.167	Ø	>100	–	–	–				

Time	Location	Sample ID	Summa Canister ID	Initial Vacuum (in Hg)	Final Vacuum (in Hg)
				-29.5	

Comments Well Head vacuum >100 in H_2O. No sample collected.

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Project Name: Poway
Project Number: SD233
Phase Number:
Date: 7/23/07 Weather: Sunny
Field Personnel: S. McCarthy, O. Skippon
Tracer Gas: He

Probe # PVP-1A
PID Model # –
PID Serial # –
Landtech GEM 2000 Landfill Gas Meter Serial # R7160
Helium detector (model and serial number) R9585
Air Temperature – Atm. Pressure – (in Hg)
Lamp: 10.6 / 11.7 eV

Field tubing blank (ppmv)		Time		Initial Pressure/Vacuum (prior to pumping)	0	Time	10:14

Subsurface type ☐ Asphalt ☒ Concrete ☐ Grass ☐ Other
Surface thickness: _____ in/cm ☐ unknown
(ie. asphalt of concrete surface)

1 Casing Volume
☐ Sub-slab <0.1 L
Soil gas probe (L)

Start of Pneumatic Testing :

Elapsed Time (min.)	Flow Rate (LPM)	Well Head Vacuum (in H_2O)
–	0.2	–
–	0.5	–
–	1	–
–		–

Start Time	End Time	Elapsed Time (min)	Bag Volume (L)	Purge Rate (LPM)	Total Vol (L)	Well Head Vacuum (in H_2O)	CH4 (%)	CO2 (%)	O2 (%)	Tracer Gas (%) min	Tracer Gas (%) max	Tracer Gas (%) Sample	VOCs by PID (ppmv)	Balance
10:23	10:29	6	3	0.167	1	1.0	0	1.4	18.9	30	82	<1	–	79.7
10:32	10:38	6	1	0.167	1	0.5	–	–	–	30	76	–	–	–
10:41	10:47	6	3	0.67	1	0.5	0	0.8	19.4	30	63	<1	–	79.8

Time	Location	Sample ID	Summa Canister ID	Initial Vacuum (in Hg)	Final Vacuum (in Hg)
10:32	PVP-1A	PVP-1A	9446	-29.0	-3.5

Comments

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Project Name: Poway
Project Number: SLO 7323
Phase Number:
Date: 7/23/07 Weather: Sunny
Field Personnel: S. McCarthy, D. Skippon
Tracer Gas: He

Probe # PVP-2A
PID Model # —
PID Serial # —
Landtech GEM 2000 Landfill Gas Meter Serial # R7160
Helium detector (model and serial number) R9585
Air Temperature — Atm. Pressure — (in Hg)
Lamp: 10.6 / 11.7 eV

Field tubing blank (ppmv)		Time		Initial Pressure/Vacuum (prior to pumping)	0	Time	11:14

Subsurface type ☐ Asphalt ☒ Concrete ☐ Grass ☐ Other
Surface thickness: _____ in/cm ☐ unknown
(ie. asphalt of concrete surface)

1 Casing Volume
☐ Sub-slab <0.1 L
Soil gas probe (L)

Start of Pneumatic Testing :		
Elapsed Time (min.)	Flow Rate (LPM)	Well Head Vacuum (in H_2O)
—	0.2	—
—	0.5	—
—	1	—
—		—

Start Time	End Time	Elapsed Time (min)	Bag Volume (L)	Purge Rate (LPM)	Total Vol (L)	Well Head Vacuum (in H_2O)	CH4 (%)	CO2 (%)	O2 (%)	Tracer Gas (%) min	Tracer Gas (%) max	Tracer Gas (%) Sample	VOCs by PID (ppmv)
11:21	11:27	6	3	0.167	1	0.5	0.1	0.2	9.6	30	60	>1	—
11:31	11:38	7	1	0.167	1	1.75	—	—	—	30	54	—	—
11:40	11:46	6	3	0.167	1	0.5	0.1	0.3	12.4	30	52	>1	—

Balance
90.3
87.2

Time	Location	Sample ID	Summa Canister ID	Initial Vacuum (in Hg)	Final Vacuum (in Hg)
11:31	PVP-2A	PVP-2A	31776	-29.5	-2.0

Comments

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Project Name: Poway Landfill
Project Number: SC-0233
Phase Number: 12-01
Date: 7/23/07 Weather: Sunny 80
Field Personnel: S. Andrews, C. Gale
Tracer Gas: He

Probe # PVP-3A
PID Model # —
PID Serial # —
Lamp: 10.6 / 11.7 eV
Landtech GEM 2000 Landfill Gas Meter Serial # #R6452
Helium detector (model and serial number) Dielectric #R6103
Air Temperature — Atm. Pressure — (in Hg)

Field tubing blank (ppmv)	—	Time	—	Initial Pressure/Vacuum (prior to pumping)	0	Time	0957

Start of Pneumatic Testing :		
Elapsed Time (min.)	Flow Rate (LPM)	Well Head Vacuum (in H_2O)
	0.2	
	0.5	
	1	

Subsurface type ☐ Asphalt ☒ Concrete ☐ Grass ☐ Other
Surface thickness: 6" (in)/cm ☐ unknown
(ie. asphalt of concrete surface)

1 Casing Volume
☐ Sub-slab <0.1 L
Soil gas probe (L)

Start Time (Sun)	End Time	Elapsed Time (min)	Bag Volume (L)	Purge Rate (LPM)	Total Vol (L)	Well Head Vacuum (in H_2O) (Sun)	CH4 (%)	CO2 (%)	O2 (%)	Tracer Gas (%) min	Tracer Gas (%) max	Tracer Gas (%) Sample	VOCs by PID (ppmv)	
~~0958~~						~~6~~								
1004	1016	12	3	0.167	1	6.0	0.1	00.4	19.1	30.0		<1		→ Balance 80.2
(Sun) ~~1014~~														
1025	1036	11	3	0.167	1	6.0	0.1	00.3	19.3			<1		80.5

Time (Sun)	Location	Sample ID	Summa Canister ID	Initial Vacuum (in Hg)	Final Vacuum (in Hg)
~~1036~~ 1023	PVP-3A	PVP-3A	35556	30.0	4.0

Comments

SOIL GAS PROBE MEASUREMENTS

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858.674.6559 fax 858.674.6586

Project Name: Poway Landfill
Project Number: SC-0233
Phase Number: 12-01
Date: 7/23/07 Weather: Sunny 85
Field Personnel: S. Andnes, C. Gale
Tracer Gas: He

Probe # PVP-4A
PID Model # –
PID Serial #
Landtech GEM 2000 Landfill Gas Meter Serial # # 126452
Helium detector (model and serial number) Dielectric # R6103
Air Temperature _____ Atm. Pressure _____ (in Hg)

Lamp: 10.6 / 11.7 eV

Field tubing blank (ppmv)	–	Time	–	Initial Pressure/Vacuum (prior to pumping)	0	Time	1110

Start of Pneumatic Testing :		
Elapsed Time (min.)	Flow Rate (LPM)	Well Head Vacuum (in H_2O)
	0.2	
	0.5	
	1	

Subsurface type ☐ Asphalt ☒ Concrete ☐ Grass ☐ Other
Surface thickness: 6" in/cm ☐ unknown
(ie. asphalt of concrete surface)

1 Casing Volume
☐ Sub-slab <0.1 L
Soil gas probe (L)

Start Time	End Time	Elapsed Time (min)	Bag Volume (L)	Purge Rate (LPM)	Total Vol (L)	Well Head Vacuum (in H_2O)	CH4 (%)	CO2 (%)	O2 (%)	Tracer Gas (%) min	Tracer Gas (%) max	Tracer Gas (%) Sample	VOCs by PID (ppmv)
1113	1122	9	3	0.167	1	1.2	0.02	0.08	18.7	30		<1%	
1133	1145	12	3	0.167	1	0.5	0.02	0.08	19.1	30		<1%	

Balance
80.1
79.6

Time	Location	Sample ID	Summa Canister ID	Initial Vacuum (in Hg)	Final Vacuum (in Hg)
1132	PVP-4A	PVP-4A	1454	30.0	3.5
dup → 1132	PVP-4C	PVP-4C	33412	30.0	4.5

Comments Duplicate

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Project Name: Poway Landfill
Project Number: SL-0233
Phase Number: 12-01
Date: 7/23/07 Weather: Overcast 76°
Field Personnel: S. Andrews, C. Gale
Tracer Gas: He

Probe # PVP-5
PID Model # —
PID Serial # —
Lamp: 10.6 / 11.7 eV
Landtech GEM 2000 Landfill Gas Meter Serial # #R6452
Helium detector (model and serial number) Dielectric #R6103
Air Temperature – Atm. Pressure – (in Hg)

Field tubing blank (ppmv)	-	Time	-	Initial Pressure/Vacuum (prior to pumping)	0	Time	0845

Subsurface type ☐ Asphalt ☑ Concrete ☐ Grass ☐ Other
Surface thickness: 6" (in)/cm ☐ unknown
(ie. asphalt of concrete surface)

1 Casing Volume
☐ Sub-slab <0.1 L
Soil gas probe (L)

Start of Pneumatic Testing :

Elapsed Time (min.)	Flow Rate (LPM)	Well Head Vacuum (in H_2O)
	0.2	
	0.5	
	1	

Start Time	End Time	Elapsed Time (min)	Bag Volume (L)	Purge Rate (LPM)	Total Vol (L)	Well Head Vacuum (in H_2O)	CH4 (%)	CO2 (%)	O2 (%)	Tracer Gas (%) min	Tracer Gas (%) max	Tracer Gas (%) Sample	VOCs by PID (ppmv)
0848	0854	6	3	0.167	1	0.055	–	–	–	30		<1%	
~~0857~~													
0907	0924	17	3	0.167	1	0.055	0	0.2	19.3	30		<1%	

Balance 80.5

Time	Location	Sample ID	Summa Canister ID	Initial Vacuum (in Hg)	Final Vacuum (in Hg)
0904	PVP-5	PVP-5	1472	29.5	0.0

Comments

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Project Name: PONAY LANDFILL
Project Number: SC0233
Phase Number: –
Date: 7/23/07 Weather: SUNNY CLOUDY
Field Personnel: D. SKIPPON & MCCARTHY
Tracer Gas: He

Probe # PVP-6
PID Model # –
PID Serial # –
Landtech GEM 2000 Landfill Gas Meter Serial # R7160
Helium detector (model and serial number) R9585
Air Temperature _____ Atm. Pressure – (in Hg)

Lamp: 10.6 / 11.7 eV

Field tubing blank (ppmv)	–	Time	–	Initial Pressure/Vacuum (prior to pumping)	0	Time	8:30

Subsurface type ☐ Asphalt ☒ Concrete ☐ Grass ☐ Other
Surface thickness: _____ in/cm ☐ unknown
(ie. asphalt of concrete surface)

1 Casing Volume
☐ Sub-slab <0.1 L
Soil gas probe (L)

Start of Pneumatic Testing :		
Elapsed Time (min.)	Flow Rate (LPM)	Well Head Vacuum (in H_2O)
–	0.2	–
–	0.5	–
–	1	–
–		–

Start Time	End Time	Elapsed Time (min)	Bag Volume (L)	Purge Rate (LPM)	Total Vol (L)	Well Head Vacuum (in H_2O)	CH4 (%)	CO2 (%)	O2 (%)	Tracer Gas (%) min	Tracer Gas (%) max	Tracer Gas (%) Sample	VOCs by PID (ppmv)
8:40	8:46	6	3	0.167	1	0.14	sm Ø2.5	sm Ø0.7	sm 19.7 ~~20.2~~	30	96	<1	–
8:55	9:02	7	1	0.167	1	0.14	–	–	–	30	80	–	–
9:06	9:12	6	3	0.167	1	0.15	0.1	0.7	19.6	30	71.2	<1	–

Balance
sm ~~79.9~~ 77.2
79.7

Time	Location	Sample ID	Summa Canister ID	Initial Vacuum (in Hg)	Final Vacuum (in Hg)
8:55	PVP-6	PVP-6	33643	-29.0	-3.5

Comments

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San Diego, Ca. 92127
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Project Name: Poway Landfill
Project Number: SC-0233
Phase Number: 12/01
Date: 7/23/07 Weather: Sunny 90°
Field Personnel: S. Andrus, C. Gale
Tracer Gas: He

Probe # ~~PVP-2A~~ VW-2A (Swc) Lamp: 10.6 / 11.7 eV
PID Model # —
PID Serial # —
Landtech GEM 2000 Landfill Gas Meter Serial # #R6452
Helium detector (model and serial number) Dielectric #R6130
Air Temperature — Atm. Pressure — (in Hg)

Field tubing blank (ppmv)	—	Time	—	Initial Pressure/Vacuum (prior to pumping)	0	Time	1326

Subsurface type ☐ Asphalt ☑ Concrete ☐ Grass ☐ Other
Surface thickness: 6" in/cm ☐ unknown
(ie. asphalt of concrete surface)

1 Casing Volume
☐ Sub-slab <0.1 L
Soil gas probe (L)

Start of Pneumatic Testing :

Elapsed Time (min.)	Flow Rate (LPM)	Well Head Vacuum (in H_2O)
	0.2	
	0.5	
	1	

Start Time	End Time	Elapsed Time (min)	Bag Volume (L)	Purge Rate (LPM)	Total Vol (L)	Well Head Vacuum (in H_2O)	CH4 (%)	CO2 (%)	O2 (%)	Tracer Gas (%) min	Tracer Gas (%) max	Tracer Gas (%) Sample	VOCs by PID (ppmv)
1327	1347	20	3	.167	1	25.0	0.02	4.2	15.8	30		<1	
1403	1416	13	3	.167	1	25.0	0.3	4.3	15.5	30		<1	

Balance
79.8
79.8

Time	Location (Swc)	Sample ID (Swc)	Summa Canister ID	Initial Vacuum (in Hg)	Final Vacuum (in Hg)
1401	~~PVP-2A~~ VW-2A	~~PVP-2A~~ VW-2A	SC92	-30.0	-3.5

Comments

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Project Name: Poway
Project Number: SC0233
Phase Number:
Date: 7/24/07 Weather: sunny
Field Personnel: S. McCarthy, D. Skippon
Tracer Gas: He

Probe # VW-3A
PID Model # —
PID Serial # —
Landtech GEM 2000 Landfill Gas Meter Serial # R7160
Helium detector (model and serial number) R9585
Air Temperature — Atm. Pressure — (in Hg)
Lamp: 10.6 / 11.7 eV

Field tubing blank (ppmv)		Time		Initial Pressure/Vacuum (prior to pumping)	.005	Time	8:26

Subsurface type ☐ Asphalt ☐ Concrete ☐ Grass ☐ Other
Surface thickness: _____ in/cm ☐ unknown
(ie. asphalt of concrete surface)

1 Casing Volume
☐ Sub-slab <0.1 L
Soil gas probe (L)

Start of Pneumatic Testing :

Elapsed Time (min.)	Flow Rate (LPM)	Well Head Vacuum (in H_2O)
—	0.2	—
—	0.5	—
—	1	—

	Start Time	End Time	Elapsed Time (min)	Bag Volume (L)	Purge Rate (LPM)	Total Vol (L)	Well Head Vacuum (in H_2O)	CH4 (%)	CO2 (%)	O2 (%)	Tracer Gas (%) min	Tracer Gas (%) max	Tracer Gas (%) Sample	VOCs by PID (ppmv)	Balance
	8:40	8:49	9	3	.167	~1	.045	0	4.8	16.4	30	47	<1	—	73.8
SAMPLE	8:53	9:03	10	2	.167	2	.05	—	—	—	30	56	—	—	—
	9:12	9:20	8	3	.167	~1	.025	0	4.7	16.3	30	53	<1	—	79.0

Time	Location	Sample ID	Summa Canister ID	Initial Vacuum (in Hg)	Final Vacuum (in Hg)
8:53	VW-3A	VW-3A	35629	-29.5	-2
8:53	VW-3A	VW-3C	11446	-29.5	-2

Comments

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Project Name: Poway Landfill
Project Number: SI-0233
Phase Number: 12/01
Date: 7/23/07 Weather: Sunny 89°
Field Personnel: S. Andrews, C. Gales
Tracer Gas: He

Probe # VW-4A
PID Model # -
PID Serial # /
Landtech GEM 2000 Landfill Gas Meter Serial # #R6452
Helium detector (model and serial number) ~~#~~ #R6180
Air Temperature — Atm. Pressure — (in Hg)
Lamp: 10.6 / 11.7 eV

Field tubing blank (ppmv)		Time		Initial Pressure/Vacuum (prior to pumping)	0	Time	1500

Subsurface type ☐ Asphalt ☒ Concrete ☐ Grass ☐ Other
Surface thickness: 6" (in) cm ☐ unknown
(ie. asphalt of concrete surface)

1 Casing Volume
☐ Sub-slab <0.1 L
Soil gas probe (L)

Start of Pneumatic Testing :

Elapsed Time (min.)	Flow Rate (LPM)	Well Head Vacuum (in H_2O)
	0.2	
	0.5	
	1	

Start Time	End Time	Elapsed Time (min)	Bag Volume (L)	Purge Rate (LPM)	Total Vol (L)	Well Head Vacuum (in H_2O)	CH4 (%)	CO2 (%)	O2 (%)	Tracer Gas (%) min	Tracer Gas (%) max	Tracer Gas (%) Sample	VOCs by PID (ppmv)	Balance
1508	1518	10	3	.167	1	1.35	0.3	6.3	13.3	30		<1%		80.0
1529	1539	10	3	.167	1	1.40	0.3	6.5	13.2			<1%		80.5

Time	Location	Sample ID	Summa Canister ID	Initial Vacuum (in Hg)	Final Vacuum (in Hg)
1526	VW-4A	VW-4A	34092	-30.0	-3.0

Comments

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Project Name: Poway Landfill
Project Number: SC-0233
Phase Number: 12/01
Date: 7/23/07 Weather: Sunny 88
Field Personnel: S. Andrews, C. Gales
Tracer Gas: He

Probe # VW-4B
PID Model # –
PID Serial # –
Landtech GEM 2000 Landfill Gas Meter Serial # #R 6452
Helium detector (model and serial number) Dielectric #R 6130
Air Temperature – Atm. Pressure – (in Hg)

Lamp: 10.6 / 11.7 eV

Field tubing blank (ppmv)	–	Time	–	Initial Pressure/Vacuum (prior to pumping)	0	Time	1601

Subsurface type ☐ Asphalt ☒ Concrete ☐ Grass ☐ Other
Surface thickness: _____ in/cm ☐ unknown
(ie. asphalt of concrete surface)

1 Casing Volume
☐ Sub-slab <0.1 L
Soil gas probe (L)

Start of Pneumatic Testing :

Elapsed Time (min.)	Flow Rate (LPM)	Well Head Vacuum (in H_2O)
	0.2	
	0.5	
	1	

Start Time	End Time	Elapsed Time (min)	Bag Volume (L)	Purge Rate (LPM)	Total Vol (L)	Well Head Vacuum (in H_2O)	CH4 (%)	CO2 (%)	O2 (%)	Tracer Gas (%) min	Tracer Gas (%) max	Tracer Gas (%) Sample	VOCs by PID (ppmv)	Balance
1602	1610	8	3	.167	1	20.0	0.4	6.9	12.5	30		<1%		80.2
1619	1627	8	3	.167	1	23.0	0.4	8.1	11.6	30		<1%		79.8

Time	Location	Sample ID	Summa Canister ID	Initial Vacuum (in Hg)	Final Vacuum (in Hg)
1618	VW-4B	VW-4B	9328	-30.0	-3.5

Comments

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Project Name: Poway Landfill
Project Number: SC 0233
Phase Number: 12/1
Date: 7/24/07 Weather: Sunny 77°
Field Personnel: S. Arechner, C. Gaik
Tracer Gas: He

Probe # VW-5A
PID Model # -
PID Serial # -
Landtech GEM 2000 Landfill Gas Meter Serial # #B6452
Helium detector (model and serial number) Dielectric #B6130
Air Temperature - Atm. Pressure - (in Hg)
Lamp: 10.6 / 11.7 eV

Field tubing blank (ppmv)	—	Time	—	Initial Pressure/Vacuum (prior to pumping)	0	Time	0837

Subsurface type ☐ Asphalt ☑ Concrete ☐ Grass ☐ Other
Surface thickness: 6" or cm ☐ unknown
(ie. asphalt of concrete surface)

1 Casing Volume
☐ Sub-slab <0.1 L
Soil gas probe (L)

Start of Pneumatic Testing :

Elapsed Time (min.)	Flow Rate (LPM)	Well Head Vacuum (in H_2O)
	0.2	
	0.5	
	1	

Start Time	End Time	Elapsed Time (min)	Bag Volume (L)	Purge Rate (LPM)	Total Vol (L)	Well Head Vacuum (in H_2O)	CH4 (%)	CO2 (%)	O2 (%)	Tracer Gas (%) min	Tracer Gas (%) max	Tracer Gas (%) Sample	VOCs by PID (ppmv)	Balance
0838	0853	15	3	.167	1	.40	0.0	3.5	17.2	30		<1%		79.2
0907	0916	9	3	.167	1	.40	0.0	3.2	18.0	30		<1%		78.6

Time	Location	Sample ID	Summa Canister ID	Initial Vacuum (in Hg)	Final Vacuum (in Hg)
0905	VW-5A	VW-5A	35604	-30.0	-2.0

Comments

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Project Name: Poway
Project Number: SC0233
Phase Number:
Date: 7/24/07 Weather: sunny
Field Personnel: S. McCarthy, D. Skippon
Tracer Gas: He

Probe # VW-6A
PID Model # —
PID Serial # —
Lamp: 10.6 / 11.7 eV
Landtech GEM 2000 Landfill Gas Meter Serial # R7160
Helium detector (model and serial number) R9585
Air Temperature — Atm. Pressure — (in Hg)

Field tubing blank (ppmv)		Time		Initial Pressure/Vacuum (prior to pumping)	0	Time	7:29

Start of Pneumatic Testing :		
Elapsed Time (min.)	Flow Rate (LPM)	Well Head Vacuum (in H_2O)
—	0.2	—
—	0.5	—
—	1	—

Subsurface type ☐ Asphalt ☐ Concrete ☐ Grass ☐ Other
Surface thickness: _____ in/cm ☐ unknown
(ie. asphalt of concrete surface)

1 Casing Volume
☐ Sub-slab <0.1 L
Soil gas probe (L)

Start Time	End Time	Elapsed Time (min)	Bag Volume (L)	Purge Rate (LPM)	Total Vol (L)	Well Head Vacuum (in H_2O)	CH4 (%)	CO2 (%)	O2 (%)	Tracer Gas (%) min	Tracer Gas (%) max	Tracer Gas (%) Sample	VOCs by PID (ppmv)
7:31	7:46	15	3	.167	<1	>100				30	72		
7:56	8:01	5	3	.167	<1	100							

Time	Location	Sample ID	Summa Canister ID	Initial Vacuum (in Hg)	Final Vacuum (in Hg)
	VW-6A	VW-6A	31794	-29.0	

Comments No sample collected.

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Project Name: Poway Landfill
Project Number: SC-0233
Phase Number: 12/01
Date: 7/24/07 Weather: Sunny 90°
Field Personnel: S. Andrews, C. Gale
Tracer Gas: He

Probe # VW-7A
PID Model # —
PID Serial # —
Landtech GEM 2000 Landfill Gas Meter Serial # # R6452
Helium detector (model and serial number) Dielectric # R6130
Air Temperature _____ Atm. Pressure _____ (in Hg)

Lamp: 10.6 / 11.7 eV

Field tubing blank (ppmv)	—	Time	—	Initial Pressure/Vacuum (prior to pumping)	0	Time	1002

Subsurface type ☐ Asphalt ☒ Concrete ☐ Grass ☐ Other
Surface thickness: 6" in/cm ☐ unknown
(ie. asphalt of concrete surface)

1 Casing Volume
☐ Sub-slab <0.1 L
Soil gas probe (L)

Start of Pneumatic Testing :

Elapsed Time (min.)	Flow Rate (LPM)	Well Head Vacuum (in H_2O)
	0.2	
	0.5	
	1	

Start Time	End Time	Elapsed Time (min)	Bag Volume (L)	Purge Rate (LPM)	Total Vol (L)	Well Head Vacuum (in H_2O)	CH4 (%)	CO2 (%)	O2 (%)	Tracer Gas (%) min	Tracer Gas (%) max	Tracer Gas (%) Sample	VOCs by PID (ppmv)
1003	1020	17	3	.167	1	.70	0.0	11.2	8.7	30		<1%	
								Stuck					
								8.9	10.6				
1033	1041	8	3	.167	1	.70	0.1	~~10.6~~	~~8.4~~	30		<1%	

Balance
80.7
80.3

Time	Location	Sample ID	Summa Canister ID	Initial Vacuum (in Hg)	Final Vacuum (in Hg)
1032	VW-7A	VW-7A	2079	-29.5	-3.5

Comments

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Project Name: Poway
Project Number: SL02233
Phase Number:
Date: 7/24/07 Weather: Sunny
Field Personnel: S. McCarthy, D. Skippon
Tracer Gas: He

Probe # VW-8A
PID Model # —
PID Serial # —
Landtech GEM 2000 Landfill Gas Meter Serial # R7160
Helium detector (model and serial number) R9585
Air Temperature — Atm. Pressure — (in Hg)
Lamp: 10.6 / 11.7 eV

Field tubing blank (ppmv)		Time		Initial Pressure/Vacuum (prior to pumping)	0	Time	10:23

Subsurface type ☐ Asphalt ☐ Concrete ☐ Grass ☐ Other
Surface thickness: _____ in/cm ☐ unknown
(ie. asphalt of concrete surface)

1 Casing Volume
☐ Sub-slab <0.1 L
Soil gas probe (L)

Start of Pneumatic Testing :

Elapsed Time (min.)	Flow Rate (LPM)	Well Head Vacuum (in H_2O)
	0.2	
	0.5	
	1	

Start Time	End Time	Elapsed Time (min)	Bag Volume (L)	Purge Rate (LPM)	Total Vol (L)	Well Head Vacuum (in H_2O)	CH4 (%)	CO2 (%)	O2 (%)	Tracer Gas (%) min	Tracer Gas (%) max	Tracer Gas (%) Sample	VOCs by PID (ppmv)
10:29	10:35	6	3	.167	1	0.06	0	0	20.1	30	45	<1	—
10:38	10:47	9	1	.167	1	0.10	—	—	—	30	42	—	—
10:50	10:57	7	3	.167	1	0.09	0	3.4	15.4	30	40	<1	—

Balance
79.9
—
81.1

Time	Location	Sample ID	Summa Canister ID	Initial Vacuum (in Hg)	Final Vacuum (in Hg)
10:38	VW-8A	VW-8A	2120	-29	-0.5

Comments

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Project Name: Poway
Project Number: SC0233
Phase Number:
Date: 7/24/07 Weather: Sunny
Field Personnel: S. McCarthy, D. Skippen
Tracer Gas: He

Probe # VW-8B
PID Model # —
PID Serial # —
Landtech GEM 2000 Landfill Gas Meter Serial # R7160
Helium detector (model and serial number) R9585
Air Temperature — Atm. Pressure — (in Hg)
Lamp: 10.6 / 11.7 eV

Field tubing blank (ppmv)		Time		Initial Pressure/Vacuum (prior to pumping)	0	Time	9:48

Subsurface type ☐ Asphalt ☐ Concrete ☐ Grass ☐ Other
Surface thickness: _____ in/cm ☐ unknown
(ie. asphalt of concrete surface)

1 Casing Volume
☐ Sub-slab <0.1 L
Soil gas probe (L)

Start of Pneumatic Testing :

Elapsed Time (min.)	Flow Rate (LPM)	Well Head Vacuum (in H_2O)
—	0.2	—
—	0.5	—
—	1	—

Start Time	End Time	Elapsed Time (min)	Bag Volume (L)	Purge Rate (LPM)	Total Vol (L)	Well Head Vacuum (in H_2O)	CH4 (%)	CO2 (%)	O2 (%)	Tracer Gas (%) min	Tracer Gas (%) max	Tracer Gas (%) Sample	VOCs by PID (ppmv)
9:51	9:59	8	3	.167	1	0.09	0	~~0~~ 3.8	~~20.4~~ 17.0	30	63	<1	—
10:02	10:09	7	1	.167	1	0.12	—	—	—	30	43	—	—
10:13	10:19	6	3	.167	1	0.08	0	3.1	17.3	30	56	<1	—

Balance
79.2
—
79.7

Time	Location	Sample ID	Summa Canister ID	Initial Vacuum (in Hg)	Final Vacuum (in Hg)
10:02	VW-8B	VW-8B	34573	-29.5	-2

Comments water ponded around well. Bailed out.

SOIL GAS PROBE MEASUREMENTS

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San Diego, Ca. 92127
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Project Name: Poway Landfill
Project Number: SC-0233
Phase Number: 12/01
Date: 7/24/07 Weather: Sunny 90°
Field Personnel: S. Andrews, C. Gold
Tracer Gas: He

Probe # VW-9
PID Model # –
PID Serial # –
Landtech GEM 2000 Landfill Gas Meter Serial # #R6452
Helium detector (model and serial number) Dielectric #R6130
Air Temperature – Atm. Pressure – (in Hg)
Lamp: 10.6 / 11.7 eV

Field tubing blank (ppmv)	–	Time	–	Initial Pressure/Vacuum (prior to pumping)	0	Time	1120

Subsurface type ☐ Asphalt ☒ Concrete ☐ Grass ☐ Other
Surface thickness: 6" (in/cm) ☐ unknown
(ie. asphalt of concrete surface)

1 Casing Volume
☐ Sub-slab <0.1 L
Soil gas probe (L)

Start of Pneumatic Testing :

Elapsed Time (min.)	Flow Rate (LPM)	Well Head Vacuum (in H_2O)
	0.2	
	0.5	
	1	

Start Time	End Time	Elapsed Time (min)	Bag Volume (L)	Purge Rate (LPM)	Total Vol (L)	Well Head Vacuum (in H_2O)	CH4 (%)	CO2 (%)	O2 (%)	Tracer Gas (%) min	Tracer Gas (%) max	Tracer Gas (%) Sample	VOCs by PID (ppmv)
1122	1124	2	–	.167	–	>100	–	–	–	–	–	–	–

Time	Location	Sample ID	Summa Canister ID	Initial Vacuum (in Hg)	Final Vacuum (in Hg)
–	–	–	1481	30.0	30.0

Comments: Vacuum greater than 100 in H_2O after two minutes, unable to sample.

SOIL GAS PROBE MEASUREMENTS

Geosyntec consultants
engineers | scientists | innovators
10875 Ranch Bernardo Road, Suite 200
San Diego, Ca. 92127
858.674.6559 fax 858.674.6586

Project Name: Poway Landfill
Project Number: SC-0233
Phase Number: 12/01
Date: 7/24/07 Weather: Sunny 90°
Field Personnel: S. Andrews, C. Gale
Tracer Gas: He

Probe # VW-10
PID Model # —
PID Serial # —
Landtech GEM 2000 Landfill Gas Meter Serial # #R6452
Helium detector (model and serial number) Dielectric #R6130
Air Temperature — Atm. Pressure — (in Hg)
Lamp: 10.6 / 11.7 eV

Field tubing blank (ppmv)	—	Time	—	Initial Pressure/Vacuum (prior to pumping)	0	Time	1155

Subsurface type	☐ Asphalt	☒ Concrete	☐ Grass	☐ Other
Surface thickness: 6" 6 in/cm			☐ unknown	
(ie. asphalt of concrete surface)				

1 Casing Volume
☐ Sub-slab <0.1 L
Soil gas probe (L)

Start of Pneumatic Testing :		
Elapsed Time (min.)	Flow Rate (LPM)	Well Head Vacuum (in H_2O)
	0.2	
	0.5	
	1	

Start Time	End Time	Elapsed Time (min)	Bag Volume (L)	Purge Rate (LPM)	Total Vol (L)	Well Head Vacuum (in H_2O)	CH4 (%)	CO2 (%)	O2 (%)	Tracer Gas (%) min	Tracer Gas (%) max	Tracer Gas (%) Sample	VOCs by PID (ppmv)	Balance
1156	1202	6	3	.167	1	0.35	0.2	4.1	15.3	30				80.3
1214	1220		3	.167	1	0.35	0.3	4.7	15.3	30				79.7

Time	Location	Sample ID	Summa Canister ID	Initial Vacuum (in Hg)	Final Vacuum (in Hg)
1213	VW-10	VW-10	1463	-30.0	-4

Comments

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Geosyntec consultants
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10875 Ranch Bernardo Road, Suite 200
San Diego, Ca. 92127
858.674.6559 fax 858.674.6586

Project Name: Poway
Project Number: SD233
Phase Number:
Date: 7/24/07 Weather: Sunny
Field Personnel: S. McCarthy, D. Skippon
Tracer Gas: He

Probe # VW-11
PID Model # —
PID Serial # —
Landtech GEM 2000 Landfill Gas Meter Serial # R7160
Helium detector (model and serial number) R9585
Air Temperature — Atm. Pressure — (in Hg)
Lamp: 10.6 / 11.7 eV

Field tubing blank (ppmv)		Time		Initial Pressure/Vacuum (prior to pumping)	0	Time	13:05

Subsurface type ☐ Asphalt ☐ Concrete ☐ Grass ☐ Other
Surface thickness: _____ in/cm ☐ unknown
(ie. asphalt of concrete surface)

1 Casing Volume
☐ Sub-slab <0.1 L
Soil gas probe (L)

Start of Pneumatic Testing :		
Elapsed Time (min.)	Flow Rate (LPM)	Well Head Vacuum (in H_20)
—	0.2	—
—	0.5	—
—	1	—

Start Time	End Time	Elapsed Time (min)	Bag Volume (L)	Purge Rate (LPM)	Total Vol (L)	Well Head Vacuum (in H_2O)	CH4 (%)	CO2 (%)	O2 (%)	Tracer Gas (%) min	Tracer Gas (%) max	Tracer Gas (%) Sample	VOCs by PID (ppmv)	Balance
13:14	13:23	9	3	.167	1	15	0	03.4	~~20.5~~ 16.6	30	42	<1	—	80.2
13:31	13:41	10	1	.167	1	21	—	—	—	30	45	—	—	—
13:51	13:58	6	3	.167	1	18	0.1	3.8	13.8	30	58	<1	—	82.4

Time	Location	Sample ID	Summa Canister ID	Initial Vacuum (in Hg)	Final Vacuum (in Hg)
13:31	VW-11	VW-11	35667	-29.5	-3.5

Comments

SOIL GAS PROBE MEASUREMENTS

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San Diego, Ca. 92127
858.674.6559 fax 858.674.6586

Project Name: Poway Landfill
Project Number: SC-0233
Phase Number: 12/01
Date: 7/24/07 Weather: Sunny 90°
Field Personnel: S. Andrews, C. Gale
Tracer Gas: He

Probe # VW-12
PID Model # –
PID Serial # –
Landtech GEM 2000 Landfill Gas Meter Serial # #R6452
Helium detector (model and serial number) Dielectric #R6130
Air Temperature – Atm. Pressure – (in Hg)
Lamp: 10.6 / 11.7 eV

Field tubing blank (ppmv)	–	Time	–	Initial Pressure/Vacuum (prior to pumping)	0	Time	1340

Subsurface type ☐ Asphalt ☒ Concrete ☐ Grass ☐ Other
Surface thickness: 6 (in) cm ☐ unknown
(ie. asphalt of concrete surface)

1 Casing Volume
☐ Sub-slab <0.1 L
Soil gas probe (L)

Start of Pneumatic Testing :

Elapsed Time (min.)	Flow Rate (LPM)	Well Head Vacuum (in H_2O)
	0.2	
	0.5	
	1	

Start Time	End Time	Elapsed Time (min)	Bag Volume (L)	Purge Rate (LPM)	Total Vol (L)	Well Head Vacuum (in H_2O)	CH4 (%)	CO2 (%)	O2 (%)	Tracer Gas (%) min	Tracer Gas (%) max	Tracer Gas (%) Sample	VOCs by PID (ppmv)	Balance
1342	1349	7	3	.167	1	.035	-3	7.6	12.7	30		< 1.0%		79.4
1402	1408	6	3	.167	1	.035	.5	7.6	12.6			< 1.0%		79.5

Time	Location	Sample ID	Summa Canister ID	Initial Vacuum (in Hg)	Final Vacuum (in Hg)
1400	VW-12	VW-12	93109	-30.0	-2.0

Comments Field Blank taken "QCFB" Summa = 2067
@ 1412 Initial Vacuum = -30.0 Final Vacuum = -3.0

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San Diego, Ca. 92127
858.674.6559 fax 858.674.6586

Project Name: Poway
Project Number: SL0233
Phase Number:
Date: 7/24/07 Weather: Sunny
Field Personnel: S. McCarthy, D. Skippon
Tracer Gas: He

Probe # VW-13
PID Model # —
PID Serial # —
Landtech GEM 2000 Landfill Gas Meter Serial # R7160
Helium detector (model and serial number) R9585
Air Temperature _____ Atm. Pressure _____ (in Hg)

Lamp: 10.6 / 11.7 eV

Field tubing blank (ppmv)		Time		Initial Pressure/Vacuum (prior to pumping)	0	Time	14:32

Start of Pneumatic Testing :		
Elapsed Time (min.)	Flow Rate (LPM)	Well Head Vacuum (in H_2O)
	0.2	
	0.5	
	1	
		—

Subsurface type ☐ Asphalt ☐ Concrete ☐ Grass ☐ Other
Surface thickness: _____ in/cm ☐ unknown
(ie. asphalt of concrete surface)

1 Casing Volume
☐ Sub-slab <0.1 L
Soil gas probe (L)

Start Time	End Time	Elapsed Time (min)	Bag Volume (L)	Purge Rate (LPM)	Total Vol (L)	Well Head Vacuum (in H_2O)	CH4 (%)	CO2 (%)	O2 (%)	Tracer Gas (%) min	Tracer Gas (%) max	Tracer Gas (%) Sample	VOCs by PID (ppmv)	Balance
14:35	14:44	9	3	.167	1	0.3	0	2.3	13.9	30	78	<1	—	83.7
14:46	14:54	8	1	.167	1	0.5	—	—	—	30	76	—	—	—
14:57	15:03	6	3	.167	1	0.3	0.2	2.3	13.6	30	54	<1	—	84.0

Time	Location	Sample ID	Summa Canister ID	Initial Vacuum (in Hg)	Final Vacuum (in Hg)
14:46	VW-13	VW-13	30818	-29.5	-3.5

Comments

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10875 Ranch Bernardo Road, Suite 200
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Project Name: Poway Landfill
Project Number: SL-0233
Phase Number: 12/01
Date: 7/24/07 Weather: Sunny 90°
Field Personnel: S. Andrews, C. Gale
Tracer Gas: He

Probe # VW-14
PID Model # —
PID Serial #
Landtech GEM 2000 Landfill Gas Meter Serial # # R6452
Helium detector (model and serial number) Dielectric # R6130
Air Temperature — Atm. Pressure — (in Hg)
Lamp: 10.6 / 11.7 eV

Field tubing blank (ppmv)	-	Time	—	Initial Pressure/Vacuum (prior to pumping)	0.0	Time	14:48

Subsurface type ☐ Asphalt ☒ Concrete ☐ Grass ☐ Other
Surface thickness: 6" in/cm ☐ unknown
(ie. asphalt of concrete surface)

1 Casing Volume
☐ Sub-slab <0.1 L
Soil gas probe (L)

Start of Pneumatic Testing :

Elapsed Time (min.)	Flow Rate (LPM)	Well Head Vacuum (in H_2O)
	0.2	
	0.5	
	1	

Start Time	End Time	Elapsed Time (min)	Bag Volume (L)	Purge Rate (LPM)	Total Vol (L)	Well Head Vacuum (in H_2O)	CH4 (%)	CO2 (%)	O2 (%)	Tracer Gas (%) min	Tracer Gas (%) max	Tracer Gas (%) Sample	VOCs by PID (ppmv)	Balance
1449	1455	6	3	.167	1	1.5	0.3	5.2	13.8	30		<1.0%		80.6
1506	1514	8	3	.167	1	1.5	0.3	5.2	13.9	30		<1.0%		80.5

Time	Location	Sample ID	Summa Canister ID	Initial Vacuum (in Hg)	Final Vacuum (in Hg)
1506	VW-14	VW-14	9433	-29.5	-2.0

Comments

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San Diego, Ca. 92127
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Project Name: Poway
Project Number: SL6233
Phase Number:
Date: 7/23/07 Weather: sunny
Field Personnel: S. McCarthy, D. Skoppon
Tracer Gas: He

Probe # VW-1A
PID Model # –
PID Serial # –
Landtech GEM 2000 Landfill Gas Meter Serial # R7160
Helium detector (model and serial number) R9585
Air Temperature – Atm. Pressure – (in Hg)

Lamp: 10.6 / 11.7 eV

Field tubing blank (ppmv)		Time		Initial Pressure/Vacuum (prior to pumping)	0.01	Time	13:20

Subsurface type ☐ Asphalt ☐ Concrete ☐ Grass ☐ Other
Surface thickness: _____ in/cm ☐ unknown
(ie. asphalt of concrete surface)

1 Casing Volume
☐ Sub-slab <0.1 L
Soil gas probe (L)

Start of Pneumatic Testing :

Elapsed Time (min.)	Flow Rate (LPM)	Well Head Vacuum (in H_2O)
–	0.2	–
–	0.5	–
–	1	–

Start Time	End Time	Elapsed Time (min)	Bag Volume (L)	Purge Rate (LPM)	Total Vol (L)	Well Head Vacuum (in H_2O)	CH4 (%)	CO2 (%)	O2 (%)	Tracer Gas (%) min	Tracer Gas (%) max	Tracer Gas (%) Sample	VOCs by PID (ppmv)
13:57	14:03	6	3	0.167	1	0.02				30	65	no sample	–
14:12	14:18									30	45	no sample	
14:35	14:55									30	46	no sample	
14:57	15 07												

Balance

Time	Location	Sample ID	Summa Canister ID	Initial Vacuum (in Hg)	Final Vacuum (in Hg)
~~—~~	~~VW-1A~~	~~VW-1A~~	~~31772~~	~~-30~~	~~—~~
	VW-1A	VW-1A	9332	-29.0	

Comments He detector Pump stopped working. Replaced filter. No sample collected on first purge. Replaced tedlar bag. No sample on 2nd purge. Replaced flow controller + summa canister.

SOIL GAS PROBE MEASUREMENTS

Geosyntec consultants
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San Diego, Ca. 92127
858.674.6559 fax 858.674.6586

Project Name: Poway
Project Number: SC0233
Phase Number:
Date: 7/24/07 Weather: sunny
Field Personnel: S. McCarthy, D. Skippon
Tracer Gas: He

Probe # VW-1A
PID Model # —
PID Serial # —
Landtech GEM 2000 Landfill Gas Meter Serial # R7160
Helium detector (model and serial number) R9585
Air Temperature — Atm. Pressure — (in Hg)
Lamp: 10.6 / 11.7 eV

Field tubing blank (ppmv)		Time		Initial Pressure/Vacuum (prior to pumping)	0.01	Time	15:36

Subsurface type	☐ Asphalt	☒ Concrete	☐ Grass	☐ Other
Surface thickness: _____ in/cm		☐ unknown		
(ie. asphalt of concrete surface)				

1 Casing Volume
☐ Sub-slab <0.1 L
Soil gas probe (L)

Start of Pneumatic Testing :		
Elapsed Time (min.)	Flow Rate (LPM)	Well Head Vacuum (in H_20)
	~~.2~~/.167	.25
	~~.3~~ 4	3
	1	

Start Time	End Time	Elapsed Time (min)	Bag Volume (L)	Purge Rate (LPM)	Total Vol (L)	Well Head Vacuum (in H_2O)	CH4 (%)	CO2 (%)	O2 (%)	Tracer Gas (%) min	Tracer Gas (%) max	Tracer Gas (%) Sample	VOCs by PID (ppmv)
15:42	15:52	10	3	.167	~1	0.25	0.1	4.9	12.7	30	70	<1	—
15:55	16:02	7	1	.167	1	0.25	—	—	—	30	80	—	—
16:04	16:10	6	3	.167	~1	0.25	0.2	~~4.8~~ 4.8	12.~~6~~	30	65	<1	—

Balance
82.8
82.3

Time	Location	Sample ID	Summa Canister ID	Initial Vacuum (in Hg)	Final Vacuum (in Hg)
15:55	VW-1A	VW-1A	2117	-30	-3.0

Comments

SOIL GAS PROBE MEASUREMENTS

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10875 Ranch Bernardo Road, Suite 200
San Diego, Ca. 92127
858.674.6559 fax 858.674.6586

Project Name: Poway
Project Number: SL0233
Phase Number:
Date: 7/23/07 Weather: sunny
Field Personnel: S. McCarthy, D. Skippon
Tracer Gas: He

Probe # VW-1B
PID Model # —
PID Serial # —
Landtech GEM 2000 Landfill Gas Meter Serial # R7160
Helium detector (model and serial number) R9585
Air Temperature — Atm. Pressure — (in Hg)
Lamp: 10.6 / 11.7 eV

Field tubing blank (ppmv)		Time		Initial Pressure/Vacuum (prior to pumping)	0	Time	15:23

Subsurface type ☐ Asphalt ☒ Concrete ☐ Grass ☐ Other
Surface thickness: _____ in/cm ☐ unknown
(ie. asphalt of concrete surface)

1 Casing Volume
☐ Sub-slab <0.1 L
Soil gas probe (L)

Start of Pneumatic Testing :

Elapsed Time (min.)	Flow Rate (LPM)	Well Head Vacuum (in H_2O)
—	0.2	—
—	0.5	—
—	1	—

Start Time	End Time	Elapsed Time (min)	Bag Volume (L)	Purge Rate (LPM)	Total Vol (L)	Well Head Vacuum (in H_2O)	CH4 (%)	CO2 (%)	O2 (%)	Tracer Gas (%) min	Tracer Gas (%) max	Tracer Gas (%) Sample	VOCs by PID (ppmv)	Balance
15:27	15:39	12	3L	.167	~1	0	0.2	5.1	12.2	30	77	<1	—	82.3
15:45	15:55	10	1	.167	1	8	—	—	—	30	68	—	—	—
15:57	16:07	10	3	.167	1	50	0.3	5.2	12.6	30	62	<1	—	81.9

Time	Location	Sample ID	Summa Canister ID	Initial Vacuum (in Hg)	Final Vacuum (in Hg)
15:45	VW-1B	VW-1B	33710	-29	-4

Comments

APPENDIX C

Certificates of Analysis

Groundwater Certificates of Analysis

Calscience Environmental Laboratories, Inc.

Supplemental Report 1

August 27, 2007

Dave Skippon
GeoSyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127-2116

Subject: **Calscience Work Order No.: 07-07-1823**
Client Reference: SD Inactive Landfill / Poway

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 7/26/2007 and analyzed in accordance with the attached chain-of-custody.

Unless otherwise noted, all analytical testing was accomplished in accordance with the guidelines established in our Quality Systems Manual, applicable standard operating procedures, and other related documentation. The original report of subcontracted analysis, if any, is provided herein, and follows the standard Calscience data package. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

If you have any questions regarding this report, please do not hesitate to contact the undersigned.

Sincerely,

Calscience Environmental
Laboratories, Inc.
Stephen Nowak
Project Manager

Calscience
Environmental
Laboratories, Inc.

CASE NARRATIVE

Calscience Work Order No.: 07-07-1823

Provided below is a narrative of our analytical effort, including any unique features or anomalies that were encountered as part of the analysis of the water samples.

Sample Condition on Receipt

Six water samples were received as part of this Work Order on July 26, 2007. All samples were transferred to the laboratory in an ice-chest following strict chain-of-custody procedures. The temperature (3.6°C) of the samples was measured upon arrival in the laboratory and was within acceptable limits. The samples were logged into the Laboratory Information Management System (LIMS), given laboratory identification numbers, and stored in refrigeration units pending analysis.

Data Summary

The samples included in this report were analyzed in accordance with the attached chain-of custody. The following tests were performed:

Volatile Organics by EPA 8260B
Metals by EPA 6010B
Total Dissolved Solids by SM 2540 C
Nitrate by SM 4500-NO3 E/4500-NO2 B
Sulfate by ASTM D516-02
Chloride by SM 4500-CL C
Chemical Oxygen Demand by EPA 410.4
Bicarbonate by SM 2320B
Carbonate by SM 2320B
The EPA methods for Nitrate, Sulfate and Total Dissolved Solids have been deleted for use in regulatory compliance testing and have been replaced by alternate more up-to-date versions.

Holding Times

All holding time requirements were met.

Calibration

Frequency and control criteria for initial and continuing calibration verifications were met.

Calscience Environmental Laboratories, Inc.

Calscience WO# 07-07-1823 **Page 2 of 2**

Blanks

The method blank data showed non-detectable levels, with the exception of trace levels of select constituents. Any affected sample results have been flagged with a "B" qualifier. Note the presence of these constituents is attributed to laboratory contamination and, therefore, the results are released without further action or clarification. Please see Table A below for details:

Table A: Trace levels present in associated method blanks	
EPA Method 6010B	
Batch #	Analyte(s)
070727L12F	Magnesium

Matrix Spikes

Matrix Spikes (MS) and Matrix Spike Duplicates (MSD) were performed at required frequencies. All recoveries were within acceptable limits, with the exceptions presented in Table B below.

Table B: Matrix Spike Recoveries or RPD outside acceptable limits	
EPA 6010B	
Batch #	Analyte(s)
070727S12	Calcium*; Magnesium*;Sodium*

*The recoveries were outside QC limits due to the sample concentration exceedance of the spike concentration by a factor of four or greater.
Note that the corresponding Laboratory Control Sample (LCS) and Laboratory Control Sample Duplicate (LCSD) recovery were within control limits, indicating a matrix interference effect. Therefore, the data is released without further action or qualification.

Laboratory Control Samples

The Laboratory Control Sample (LCS) and Laboratory Control Sample Duplicate (LCSD) analyses were performed at the required frequencies. All recoveries were within acceptable limits.

Surrogates

Surrogate recoveries for all samples were within acceptable control limits.

7440 Lincoln Way, Garden Grove, CA 92841-1427 • TEL:(714) 895-5494 • FAX:(714) 894-7501

Calscience Environmental Laboratories, Inc.

Analytical Report

GeoSyntec Consultants		Date Received:	07/26/07
10875 Rancho Bernardo Road, Suite 200		Work Order No:	07-07-1823
San Diego, CA 92127-2116		Preparation:	EPA 3005A Filt.
		Method:	EPA 6010B

Project: SD Inactive Landfill / Poway

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
POGW-11	**07-07-1823-1**	**07/25/07**	**Aqueous**	**ICP 5300**	**07/27/07**	**07/30/07**	**070727L12F**

Parameter	Result	RL	MDL	DF	Qual	Units
Calcium	66.8	0.100	0.00932	1		mg/L
Magnesium	76.7	0.100	0.00328	1	B	mg/L
Potassium	4.05	0.500	0.0561	1		mg/L
Sodium	173	0.500	0.0192	1		mg/L

POGW-15	**07-07-1823-2**	**07/25/07**	**Aqueous**	**ICP 5300**	**07/27/07**	**07/30/07**	**070727L12F**

Parameter	Result	RL	MDL	DF	Qual	Units
Calcium	68.8	0.100	0.00932	1		mg/L
Magnesium	57.6	0.100	0.00328	1	B	mg/L
Potassium	1.30	0.500	0.0561	1		mg/L
Sodium	161	0.500	0.0192	1		mg/L

POGW-17B	**07-07-1823-3**	**07/25/07**	**Aqueous**	**ICP 5300**	**07/27/07**	**07/30/07**	**070727L12F**

Parameter	Result	RL	MDL	DF	Qual	Units
Calcium	91.7	0.100	0.00932	1		mg/L
Magnesium	93.0	0.100	0.00328	1	B	mg/L
Potassium	2.32	0.500	0.0561	1		mg/L
Sodium	216	0.500	0.0192	1		mg/L

POGW-24B	**07-07-1823-4**	**07/25/07**	**Aqueous**	**ICP 5300**	**07/27/07**	**07/30/07**	**070727L12F**

Parameter	Result	RL	MDL	DF	Qual	Units
Calcium	117	0.100	0.00932	1		mg/L
Magnesium	105	0.100	0.00328	1	B	mg/L
Potassium	6.05	0.500	0.0561	1		mg/L
Sodium	360	0.500	0.0192	1		mg/L

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

GeoSyntec Consultants		Date Received:	07/26/07
10875 Rancho Bernardo Road, Suite 200		Work Order No:	07-07-1823
San Diego, CA 92127-2116		Preparation:	EPA 3005A Filt.
		Method:	EPA 6010B

Project: SD Inactive Landfill / Poway

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
Method Blank	**097-01-003-7,392**	**N/A**	**Aqueous**	**ICP 5300**	**07/27/07**	**07/30/07**	**070727L12F**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units
Calcium	ND	0.100	0.00932	1		mg/L
Magnesium	0.00820	0.100	0.00328	1	J	mg/L
Potassium	ND	0.500	0.0561	1		mg/L
Sodium	ND	0.500	0.0192	1		mg/L

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

GeoSyntec Consultants		Date Received:	07/26/07
10875 Rancho Bernardo Road, Suite 200		Work Order No:	07-07-1823
San Diego, CA 92127-2116		Preparation:	EPA 5030B
		Method:	EPA 8260B
		Units:	ug/L
Project: SD Inactive Landfill / Poway			Page 1 of 7

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
POGW-11	**07-07-1823-1**	**07/25/07**	**Aqueous**	**GC/MS L**	**07/30/07**	**07/30/07**	**070730L01**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	50	6.3	1		Acrylonitrile	ND	20	6.6	1	
Benzene	ND	0.50	0.14	1		1,3-Dichloropropane	ND	1.0	0.26	1	
Bromobenzene	ND	1.0	0.27	1		2,2-Dichloropropane	ND	1.0	0.28	1	
Bromochloromethane	ND	1.0	0.70	1		1,1-Dichloropropene	ND	1.0	0.24	1	
Bromodichloromethane	ND	1.0	0.24	1		c-1,3-Dichloropropene	ND	0.50	0.31	1	
Bromoform	ND	1.0	0.66	1		t-1,3-Dichloropropene	ND	0.50	0.49	1	
Bromomethane	ND	10	5.1	1		Ethylbenzene	ND	1.0	0.23	1	
2-Butanone	ND	10	6.7	1		2-Hexanone	ND	10	5.4	1	
n-Butylbenzene	ND	1.0	0.29	1		Isopropylbenzene	ND	1.0	0.26	1	
sec-Butylbenzene	ND	1.0	0.32	1		p-Isopropyltoluene	ND	1.0	0.31	1	
tert-Butylbenzene	ND	1.0	0.33	1		Methylene Chloride	ND	10	4.3	1	
Carbon Tetrachloride	ND	0.50	0.32	1		4-Methyl-2-Pentanone	ND	10	3.7	1	
Chlorobenzene	ND	1.0	0.14	1		Naphthalene	ND	10	0.50	1	
Chloroethane	ND	1.0	0.69	1		n-Propylbenzene	ND	1.0	0.12	1	
Chloroform	ND	1.0	0.24	1		Styrene	ND	1.0	0.29	1	
Chloromethane	ND	10	0.63	1		1,1,1,2-Tetrachloroethane	ND	1.0	0.34	1	
2-Chlorotoluene	ND	1.0	0.18	1		1,1,2,2-Tetrachloroethane	ND	1.0	0.30	1	
4-Chlorotoluene	ND	1.0	0.27	1		Tetrachloroethene	ND	1.0	0.35	1	
Dibromochloromethane	ND	1.0	0.41	1		Toluene	ND	1.0	0.27	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	3.2	1		1,2,3-Trichlorobenzene	ND	1.0	0.43	1	
1,2-Dibromoethane	ND	1.0	0.49	1		1,2,4-Trichlorobenzene	ND	1.0	0.33	1	
Dibromomethane	ND	1.0	0.57	1		1,1,1-Trichloroethane	ND	1.0	0.26	1	
1,2-Dichlorobenzene	ND	1.0	0.33	1		Hexachloro-1,3-Butadiene	ND	20	0.45	1	
1,3-Dichlorobenzene	ND	1.0	0.23	1		1,1,2-Trichloroethane	ND	1.0	0.49	1	
1,4-Dichlorobenzene	ND	1.0	0.22	1		Trichloroethene	ND	1.0	0.37	1	
Dichlorodifluoromethane	ND	1.0	0.89	1		Trichlorofluoromethane	ND	10	0.21	1	
1,1-Dichloroethane	ND	1.0	0.27	1		1,2,3-Trichloropropane	ND	5.0	1.4	1	
1,2-Dichloroethane	ND	0.50	0.26	1		1,2,4-Trimethylbenzene	ND	1.0	0.23	1	
1,1-Dichloroethene	ND	1.0	0.29	1		1,3,5-Trimethylbenzene	ND	1.0	0.18	1	
c-1,2-Dichloroethene	ND	1.0	0.35	1		Vinyl Chloride	ND	0.50	0.36	1	
t-1,2-Dichloroethene	ND	1.0	0.38	1		p/m-Xylene	ND	1.0	0.54	1	
1,2-Dichloropropane	ND	1.0	0.36	1		o-Xylene	ND	1.0	0.17	1	
Acrolein	ND	20	13	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.26	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	108	74-140		1,2-Dichloroethane-d4	112	74-146	
Toluene-d8	98	88-112		1,4-Bromofluorobenzene	93	74-110	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

GeoSyntec Consultants		Date Received:	07/26/07
10875 Rancho Bernardo Road, Suite 200		Work Order No:	07-07-1823
San Diego, CA 92127-2116		Preparation:	EPA 5030B
		Method:	EPA 8260B
		Units:	ug/L
Project: SD Inactive Landfill / Poway			Page 2 of 7

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
POGW-15	**07-07-1823-2**	**07/25/07**	**Aqueous**	**GC/MS L**	**07/30/07**	**07/30/07**	**070730L01**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	50	6.3	1		Acrylonitrile	ND	20	6.6	1	
Benzene	ND	0.50	0.14	1		1,3-Dichloropropane	ND	1.0	0.26	1	
Bromobenzene	ND	1.0	0.27	1		2,2-Dichloropropane	ND	1.0	0.28	1	
Bromochloromethane	ND	1.0	0.70	1		1,1-Dichloropropene	ND	1.0	0.24	1	
Bromodichloromethane	ND	1.0	0.24	1		c-1,3-Dichloropropene	ND	0.50	0.31	1	
Bromoform	ND	1.0	0.66	1		t-1,3-Dichloropropene	ND	0.50	0.49	1	
Bromomethane	ND	10	5.1	1		Ethylbenzene	ND	1.0	0.23	1	
2-Butanone	ND	10	6.7	1		2-Hexanone	ND	10	5.4	1	
n-Butylbenzene	ND	1.0	0.29	1		Isopropylbenzene	ND	1.0	0.26	1	
sec-Butylbenzene	ND	1.0	0.32	1		p-Isopropyltoluene	ND	1.0	0.31	1	
tert-Butylbenzene	ND	1.0	0.33	1		Methylene Chloride	ND	10	4.3	1	
Carbon Tetrachloride	ND	0.50	0.32	1		4-Methyl-2-Pentanone	ND	10	3.7	1	
Chlorobenzene	ND	1.0	0.14	1		Naphthalene	ND	10	0.50	1	
Chloroethane	ND	1.0	0.69	1		n-Propylbenzene	ND	1.0	0.12	1	
Chloroform	ND	1.0	0.24	1		Styrene	ND	1.0	0.29	1	
Chloromethane	ND	10	0.63	1		1,1,1,2-Tetrachloroethane	ND	1.0	0.34	1	
2-Chlorotoluene	ND	1.0	0.18	1		1,1,2,2-Tetrachloroethane	ND	1.0	0.30	1	
4-Chlorotoluene	ND	1.0	0.27	1		Tetrachloroethene	4.1	1.0	0.35	1	
Dibromochloromethane	ND	1.0	0.41	1		Toluene	ND	1.0	0.27	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	3.2	1		1,2,3-Trichlorobenzene	ND	1.0	0.43	1	
1,2-Dibromoethane	ND	1.0	0.49	1		1,2,4-Trichlorobenzene	ND	1.0	0.33	1	
Dibromomethane	ND	1.0	0.57	1		1,1,1-Trichloroethane	ND	1.0	0.26	1	
1,2-Dichlorobenzene	ND	1.0	0.33	1		Hexachloro-1,3-Butadiene	ND	20	0.45	1	
1,3-Dichlorobenzene	ND	1.0	0.23	1		1,1,2-Trichloroethane	ND	1.0	0.49	1	
1,4-Dichlorobenzene	ND	1.0	0.22	1		Trichloroethene	1.1	1.0	0.37	1	
Dichlorodifluoromethane	1.3	1.0	0.89	1		Trichlorofluoromethane	ND	10	0.21	1	
1,1-Dichloroethane	3.9	1.0	0.27	1		1,2,3-Trichloropropane	ND	5.0	1.4	1	
1,2-Dichloroethane	ND	0.50	0.26	1		1,2,4-Trimethylbenzene	ND	1.0	0.23	1	
1,1-Dichloroethene	0.87	1.0	0.29	1	J	1,3,5-Trimethylbenzene	ND	1.0	0.18	1	
c-1,2-Dichloroethene	1.2	1.0	0.35	1		Vinyl Chloride	ND	0.50	0.36	1	
t-1,2-Dichloroethene	ND	1.0	0.38	1		p/m-Xylene	ND	1.0	0.54	1	
1,2-Dichloropropane	ND	1.0	0.36	1		o-Xylene	ND	1.0	0.17	1	
Acrolein	ND	20	13	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.26	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	106	74-140		1,2-Dichloroethane-d4	107	74-146	
Toluene-d8	98	88-112		1,4-Bromofluorobenzene	93	74-110	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

GeoSyntec Consultants		Date Received:	07/26/07
10875 Rancho Bernardo Road, Suite 200		Work Order No:	07-07-1823
San Diego, CA 92127-2116		Preparation:	EPA 5030B
		Method:	EPA 8260B
		Units:	ug/L
Project: SD Inactive Landfill / Poway			Page 3 of 7

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
POGW-17B	**07-07-1823-3**	**07/25/07**	**Aqueous**	**GC/MS L**	**07/30/07**	**07/30/07**	**070730L01**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	50	6.3	1		Acrylonitrile	ND	20	6.6	1	
Benzene	ND	0.50	0.14	1		1,3-Dichloropropane	ND	1.0	0.26	1	
Bromobenzene	ND	1.0	0.27	1		2,2-Dichloropropane	ND	1.0	0.28	1	
Bromochloromethane	ND	1.0	0.70	1		1,1-Dichloropropene	ND	1.0	0.24	1	
Bromodichloromethane	ND	1.0	0.24	1		c-1,3-Dichloropropene	ND	0.50	0.31	1	
Bromoform	ND	1.0	0.66	1		t-1,3-Dichloropropene	ND	0.50	0.49	1	
Bromomethane	ND	10	5.1	1		Ethylbenzene	ND	1.0	0.23	1	
2-Butanone	ND	10	6.7	1		2-Hexanone	ND	10	5.4	1	
n-Butylbenzene	ND	1.0	0.29	1		Isopropylbenzene	ND	1.0	0.26	1	
sec-Butylbenzene	ND	1.0	0.32	1		p-Isopropyltoluene	ND	1.0	0.31	1	
tert-Butylbenzene	ND	1.0	0.33	1		Methylene Chloride	ND	10	4.3	1	
Carbon Tetrachloride	ND	0.50	0.32	1		4-Methyl-2-Pentanone	ND	10	3.7	1	
Chlorobenzene	ND	1.0	0.14	1		Naphthalene	ND	10	0.50	1	
Chloroethane	ND	1.0	0.69	1		n-Propylbenzene	ND	1.0	0.12	1	
Chloroform	ND	1.0	0.24	1		Styrene	ND	1.0	0.29	1	
Chloromethane	ND	10	0.63	1		1,1,1,2-Tetrachloroethane	ND	1.0	0.34	1	
2-Chlorotoluene	ND	1.0	0.18	1		1,1,2,2-Tetrachloroethane	ND	1.0	0.30	1	
4-Chlorotoluene	ND	1.0	0.27	1		Tetrachloroethene	ND	1.0	0.35	1	
Dibromochloromethane	ND	1.0	0.41	1		Toluene	ND	1.0	0.27	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	3.2	1		1,2,3-Trichlorobenzene	ND	1.0	0.43	1	
1,2-Dibromoethane	ND	1.0	0.49	1		1,2,4-Trichlorobenzene	ND	1.0	0.33	1	
Dibromomethane	ND	1.0	0.57	1		1,1,1-Trichloroethane	ND	1.0	0.26	1	
1,2-Dichlorobenzene	ND	1.0	0.33	1		Hexachloro-1,3-Butadiene	ND	20	0.45	1	
1,3-Dichlorobenzene	ND	1.0	0.23	1		1,1,2-Trichloroethane	ND	1.0	0.49	1	
1,4-Dichlorobenzene	0.45	1.0	0.22	1	J	Trichloroethene	1.0	1.0	0.37	1	
Dichlorodifluoromethane	1.2	1.0	0.89	1		Trichlorofluoromethane	ND	10	0.21	1	
1,1-Dichloroethane	ND	1.0	0.27	1		1,2,3-Trichloropropane	ND	5.0	1.4	1	
1,2-Dichloroethane	ND	0.50	0.26	1		1,2,4-Trimethylbenzene	ND	1.0	0.23	1	
1,1-Dichloroethene	ND	1.0	0.29	1		1,3,5-Trimethylbenzene	ND	1.0	0.18	1	
c-1,2-Dichloroethene	0.82	1.0	0.35	1	J	Vinyl Chloride	ND	0.50	0.36	1	
t-1,2-Dichloroethene	ND	1.0	0.38	1		p/m-Xylene	ND	1.0	0.54	1	
1,2-Dichloropropane	ND	1.0	0.36	1		o-Xylene	ND	1.0	0.17	1	
Acrolein	ND	20	13	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.26	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	108	74-140		1,2-Dichloroethane-d4	110	74-146	
Toluene-d8	97	88-112		1,4-Bromofluorobenzene	93	74-110	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

GeoSyntec Consultants		Date Received:	07/26/07
10875 Rancho Bernardo Road, Suite 200		Work Order No:	07-07-1823
San Diego, CA 92127-2116		Preparation:	EPA 5030B
		Method:	EPA 8260B
		Units:	ug/L
Project: SD Inactive Landfill / Poway			Page 4 of 7

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
POGW-24B	**07-07-1823-4**	**07/25/07**	**Aqueous**	**GC/MS L**	**07/30/07**	**07/30/07**	**070730L01**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	50	6.3	1		Acrylonitrile	ND	20	6.6	1	
Benzene	ND	0.50	0.14	1		1,3-Dichloropropane	ND	1.0	0.26	1	
Bromobenzene	ND	1.0	0.27	1		2,2-Dichloropropane	ND	1.0	0.28	1	
Bromochloromethane	ND	1.0	0.70	1		1,1-Dichloropropene	ND	1.0	0.24	1	
Bromodichloromethane	ND	1.0	0.24	1		c-1,3-Dichloropropene	ND	0.50	0.31	1	
Bromoform	ND	1.0	0.66	1		t-1,3-Dichloropropene	ND	0.50	0.49	1	
Bromomethane	ND	10	5.1	1		Ethylbenzene	ND	1.0	0.23	1	
2-Butanone	ND	10	6.7	1		2-Hexanone	ND	10	5.4	1	
n-Butylbenzene	ND	1.0	0.29	1		Isopropylbenzene	ND	1.0	0.26	1	
sec-Butylbenzene	ND	1.0	0.32	1		p-Isopropyltoluene	ND	1.0	0.31	1	
tert-Butylbenzene	ND	1.0	0.33	1		Methylene Chloride	ND	10	4.3	1	
Carbon Tetrachloride	ND	0.50	0.32	1		4-Methyl-2-Pentanone	ND	10	3.7	1	
Chlorobenzene	0.83	1.0	0.14	1	J	Naphthalene	ND	10	0.50	1	
Chloroethane	ND	1.0	0.69	1		n-Propylbenzene	ND	1.0	0.12	1	
Chloroform	ND	1.0	0.24	1		Styrene	ND	1.0	0.29	1	
Chloromethane	ND	10	0.63	1		1,1,1,2-Tetrachloroethane	ND	1.0	0.34	1	
2-Chlorotoluene	ND	1.0	0.18	1		1,1,2,2-Tetrachloroethane	ND	1.0	0.30	1	
4-Chlorotoluene	ND	1.0	0.27	1		Tetrachloroethene	1.6	1.0	0.35	1	
Dibromochloromethane	ND	1.0	0.41	1		Toluene	ND	1.0	0.27	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	3.2	1		1,2,3-Trichlorobenzene	ND	1.0	0.43	1	
1,2-Dibromoethane	ND	1.0	0.49	1		1,2,4-Trichlorobenzene	ND	1.0	0.33	1	
Dibromomethane	ND	1.0	0.57	1		1,1,1-Trichloroethane	ND	1.0	0.26	1	
1,2-Dichlorobenzene	ND	1.0	0.33	1		Hexachloro-1,3-Butadiene	ND	20	0.45	1	
1,3-Dichlorobenzene	ND	1.0	0.23	1		1,1,2-Trichloroethane	ND	1.0	0.49	1	
1,4-Dichlorobenzene	2.2	1.0	0.22	1		Trichloroethene	0.83	1.0	0.37	1	J
Dichlorodifluoromethane	1.6	1.0	0.89	1		Trichlorofluoromethane	ND	10	0.21	1	
1,1-Dichloroethane	4.8	1.0	0.27	1		1,2,3-Trichloropropane	ND	5.0	1.4	1	
1,2-Dichloroethane	ND	0.50	0.26	1		1,2,4-Trimethylbenzene	ND	1.0	0.23	1	
1,1-Dichloroethene	0.50	1.0	0.29	1	J	1,3,5-Trimethylbenzene	ND	1.0	0.18	1	
c-1,2-Dichloroethene	0.84	1.0	0.35	1	J	Vinyl Chloride	ND	0.50	0.36	1	
t-1,2-Dichloroethene	ND	1.0	0.38	1		p/m-Xylene	ND	1.0	0.54	1	
1,2-Dichloropropane	ND	1.0	0.36	1		o-Xylene	ND	1.0	0.17	1	
Acrolein	ND	20	13	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.26	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	113	74-140		1,2-Dichloroethane-d4	114	74-146	
Toluene-d8	98	88-112		1,4-Bromofluorobenzene	92	74-110	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

GeoSyntec Consultants		Date Received:	07/26/07
10875 Rancho Bernardo Road, Suite 200		Work Order No:	07-07-1823
San Diego, CA 92127-2116		Preparation:	EPA 5030B
		Method:	EPA 8260B
		Units:	ug/L
Project: SD Inactive Landfill / Poway			Page 5 of 7

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
QCFB	**07-07-1823-5**	**07/25/07**	**Aqueous**	**GC/MS L**	**07/30/07**	**07/30/07**	**070730L01**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	50	6.3	1		Acrylonitrile	ND	20	6.6	1	
Benzene	ND	0.50	0.14	1		1,3-Dichloropropane	ND	1.0	0.26	1	
Bromobenzene	ND	1.0	0.27	1		2,2-Dichloropropane	ND	1.0	0.28	1	
Bromochloromethane	ND	1.0	0.70	1		1,1-Dichloropropene	ND	1.0	0.24	1	
Bromodichloromethane	ND	1.0	0.24	1		c-1,3-Dichloropropene	ND	0.50	0.31	1	
Bromoform	ND	1.0	0.66	1		t-1,3-Dichloropropene	ND	0.50	0.49	1	
Bromomethane	ND	10	5.1	1		Ethylbenzene	ND	1.0	0.23	1	
2-Butanone	ND	10	6.7	1		2-Hexanone	ND	10	5.4	1	
n-Butylbenzene	ND	1.0	0.29	1		Isopropylbenzene	ND	1.0	0.26	1	
sec-Butylbenzene	ND	1.0	0.32	1		p-Isopropyltoluene	ND	1.0	0.31	1	
tert-Butylbenzene	ND	1.0	0.33	1		Methylene Chloride	ND	10	4.3	1	
Carbon Tetrachloride	ND	0.50	0.32	1		4-Methyl-2-Pentanone	ND	10	3.7	1	
Chlorobenzene	ND	1.0	0.14	1		Naphthalene	ND	10	0.50	1	
Chloroethane	ND	1.0	0.69	1		n-Propylbenzene	ND	1.0	0.12	1	
Chloroform	ND	1.0	0.24	1		Styrene	ND	1.0	0.29	1	
Chloromethane	ND	10	0.63	1		1,1,1,2-Tetrachloroethane	ND	1.0	0.34	1	
2-Chlorotoluene	ND	1.0	0.18	1		1,1,2,2-Tetrachloroethane	ND	1.0	0.30	1	
4-Chlorotoluene	ND	1.0	0.27	1		Tetrachloroethene	ND	1.0	0.35	1	
Dibromochloromethane	ND	1.0	0.41	1		Toluene	ND	1.0	0.27	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	3.2	1		1,2,3-Trichlorobenzene	ND	1.0	0.43	1	
1,2-Dibromoethane	ND	1.0	0.49	1		1,2,4-Trichlorobenzene	ND	1.0	0.33	1	
Dibromomethane	ND	1.0	0.57	1		1,1,1-Trichloroethane	ND	1.0	0.26	1	
1,2-Dichlorobenzene	ND	1.0	0.33	1		Hexachloro-1,3-Butadiene	ND	20	0.45	1	
1,3-Dichlorobenzene	ND	1.0	0.23	1		1,1,2-Trichloroethane	ND	1.0	0.49	1	
1,4-Dichlorobenzene	ND	1.0	0.22	1		Trichloroethene	ND	1.0	0.37	1	
Dichlorodifluoromethane	ND	1.0	0.89	1		Trichlorofluoromethane	ND	10	0.21	1	
1,1-Dichloroethane	ND	1.0	0.27	1		1,2,3-Trichloropropane	ND	5.0	1.4	1	
1,2-Dichloroethane	ND	0.50	0.26	1		1,2,4-Trimethylbenzene	ND	1.0	0.23	1	
1,1-Dichloroethene	ND	1.0	0.29	1		1,3,5-Trimethylbenzene	ND	1.0	0.18	1	
c-1,2-Dichloroethene	ND	1.0	0.35	1		Vinyl Chloride	ND	0.50	0.36	1	
t-1,2-Dichloroethene	ND	1.0	0.38	1		p/m-Xylene	ND	1.0	0.54	1	
1,2-Dichloropropane	ND	1.0	0.36	1		o-Xylene	ND	1.0	0.17	1	
Acrolein	ND	20	13	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.26	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	114	74-140		1,2-Dichloroethane-d4	116	74-146	
Toluene-d8	97	88-112		1,4-Bromofluorobenzene	92	74-110	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

GeoSyntec Consultants		Date Received:	07/26/07
10875 Rancho Bernardo Road, Suite 200		Work Order No:	07-07-1823
San Diego, CA 92127-2116		Preparation:	EPA 5030B
		Method:	EPA 8260B
		Units:	ug/L
Project: SD Inactive Landfill / Poway			Page 6 of 7

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
QCTB	**07-07-1823-6**	**07/25/07**	**Aqueous**	**GC/MS L**	**07/30/07**	**07/30/07**	**070730L01**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	50	6.3	1		Acrylonitrile	ND	20	6.6	1	
Benzene	ND	0.50	0.14	1		1,3-Dichloropropane	ND	1.0	0.26	1	
Bromobenzene	ND	1.0	0.27	1		2,2-Dichloropropane	ND	1.0	0.28	1	
Bromochloromethane	ND	1.0	0.70	1		1,1-Dichloropropene	ND	1.0	0.24	1	
Bromodichloromethane	ND	1.0	0.24	1		c-1,3-Dichloropropene	ND	0.50	0.31	1	
Bromoform	ND	1.0	0.66	1		t-1,3-Dichloropropene	ND	0.50	0.49	1	
Bromomethane	ND	10	5.1	1		Ethylbenzene	ND	1.0	0.23	1	
2-Butanone	ND	10	6.7	1		2-Hexanone	ND	10	5.4	1	
n-Butylbenzene	ND	1.0	0.29	1		Isopropylbenzene	ND	1.0	0.26	1	
sec-Butylbenzene	ND	1.0	0.32	1		p-Isopropyltoluene	ND	1.0	0.31	1	
tert-Butylbenzene	ND	1.0	0.33	1		Methylene Chloride	ND	10	4.3	1	
Carbon Tetrachloride	ND	0.50	0.32	1		4-Methyl-2-Pentanone	ND	10	3.7	1	
Chlorobenzene	ND	1.0	0.14	1		Naphthalene	ND	10	0.50	1	
Chloroethane	ND	1.0	0.69	1		n-Propylbenzene	ND	1.0	0.12	1	
Chloroform	ND	1.0	0.24	1		Styrene	ND	1.0	0.29	1	
Chloromethane	ND	10	0.63	1		1,1,1,2-Tetrachloroethane	ND	1.0	0.34	1	
2-Chlorotoluene	ND	1.0	0.18	1		1,1,2,2-Tetrachloroethane	ND	1.0	0.30	1	
4-Chlorotoluene	ND	1.0	0.27	1		Tetrachloroethene	ND	1.0	0.35	1	
Dibromochloromethane	ND	1.0	0.41	1		Toluene	ND	1.0	0.27	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	3.2	1		1,2,3-Trichlorobenzene	ND	1.0	0.43	1	
1,2-Dibromoethane	ND	1.0	0.49	1		1,2,4-Trichlorobenzene	ND	1.0	0.33	1	
Dibromomethane	ND	1.0	0.57	1		1,1,1-Trichloroethane	ND	1.0	0.26	1	
1,2-Dichlorobenzene	ND	1.0	0.33	1		Hexachloro-1,3-Butadiene	ND	20	0.45	1	
1,3-Dichlorobenzene	ND	1.0	0.23	1		1,1,2-Trichloroethane	ND	1.0	0.49	1	
1,4-Dichlorobenzene	ND	1.0	0.22	1		Trichloroethene	ND	1.0	0.37	1	
Dichlorodifluoromethane	ND	1.0	0.89	1		Trichlorofluoromethane	ND	10	0.21	1	
1,1-Dichloroethane	ND	1.0	0.27	1		1,2,3-Trichloropropane	ND	5.0	1.4	1	
1,2-Dichloroethane	ND	0.50	0.26	1		1,2,4-Trimethylbenzene	ND	1.0	0.23	1	
1,1-Dichloroethene	ND	1.0	0.29	1		1,3,5-Trimethylbenzene	ND	1.0	0.18	1	
c-1,2-Dichloroethene	ND	1.0	0.35	1		Vinyl Chloride	ND	0.50	0.36	1	
t-1,2-Dichloroethene	ND	1.0	0.38	1		p/m-Xylene	ND	1.0	0.54	1	
1,2-Dichloropropane	ND	1.0	0.36	1		o-Xylene	ND	1.0	0.17	1	
Acrolein	ND	20	13	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.26	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	112	74-140		1,2-Dichloroethane-d4	115	74-146	
Toluene-d8	95	88-112		1,4-Bromofluorobenzene	93	74-110	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

GeoSyntec Consultants		Date Received:	07/26/07
10875 Rancho Bernardo Road, Suite 200		Work Order No:	07-07-1823
San Diego, CA 92127-2116		Preparation:	EPA 5030B
		Method:	EPA 8260B
		Units:	ug/L
Project: SD Inactive Landfill / Poway			Page 7 of 7

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
Method Blank	**099-10-006-22,262**	**N/A**	**Aqueous**	**GC/MS L**	**07/30/07**	**07/30/07**	**070730L01**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	50	6.3	1		Acrylonitrile	ND	20	6.6	1	
Benzene	ND	0.50	0.14	1		1,3-Dichloropropane	ND	1.0	0.26	1	
Bromobenzene	ND	1.0	0.27	1		2,2-Dichloropropane	ND	1.0	0.28	1	
Bromochloromethane	ND	1.0	0.70	1		1,1-Dichloropropene	ND	1.0	0.24	1	
Bromodichloromethane	ND	1.0	0.24	1		c-1,3-Dichloropropene	ND	0.50	0.31	1	
Bromoform	ND	1.0	0.66	1		t-1,3-Dichloropropene	ND	0.50	0.49	1	
Bromomethane	ND	10	5.1	1		Ethylbenzene	ND	1.0	0.23	1	
2-Butanone	ND	10	6.7	1		2-Hexanone	ND	10	5.4	1	
n-Butylbenzene	ND	1.0	0.29	1		Isopropylbenzene	ND	1.0	0.26	1	
sec-Butylbenzene	ND	1.0	0.32	1		p-Isopropyltoluene	ND	1.0	0.31	1	
tert-Butylbenzene	ND	1.0	0.33	1		Methylene Chloride	ND	10	4.3	1	
Carbon Tetrachloride	ND	0.50	0.32	1		4-Methyl-2-Pentanone	ND	10	3.7	1	
Chlorobenzene	ND	1.0	0.14	1		Naphthalene	ND	10	0.50	1	
Chloroethane	ND	1.0	0.69	1		n-Propylbenzene	ND	1.0	0.12	1	
Chloroform	ND	1.0	0.24	1		Styrene	ND	1.0	0.29	1	
Chloromethane	ND	10	0.63	1		1,1,1,2-Tetrachloroethane	ND	1.0	0.34	1	
2-Chlorotoluene	ND	1.0	0.18	1		1,1,2,2-Tetrachloroethane	ND	1.0	0.30	1	
4-Chlorotoluene	ND	1.0	0.27	1		Tetrachloroethene	ND	1.0	0.35	1	
Dibromochloromethane	ND	1.0	0.41	1		Toluene	ND	1.0	0.27	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	3.2	1		1,2,3-Trichlorobenzene	ND	1.0	0.43	1	
1,2-Dibromoethane	ND	1.0	0.49	1		1,2,4-Trichlorobenzene	ND	1.0	0.33	1	
Dibromomethane	ND	1.0	0.57	1		1,1,1-Trichloroethane	ND	1.0	0.26	1	
1,2-Dichlorobenzene	ND	1.0	0.33	1		Hexachloro-1,3-Butadiene	ND	20	0.45	1	
1,3-Dichlorobenzene	ND	1.0	0.23	1		1,1,2-Trichloroethane	ND	1.0	0.49	1	
1,4-Dichlorobenzene	ND	1.0	0.22	1		Trichloroethene	ND	1.0	0.37	1	
Dichlorodifluoromethane	ND	1.0	0.89	1		Trichlorofluoromethane	ND	10	0.21	1	
1,1-Dichloroethane	ND	1.0	0.27	1		1,2,3-Trichloropropane	ND	5.0	1.4	1	
1,2-Dichloroethane	ND	0.50	0.26	1		1,2,4-Trimethylbenzene	ND	1.0	0.23	1	
1,1-Dichloroethene	ND	1.0	0.29	1		1,3,5-Trimethylbenzene	ND	1.0	0.18	1	
c-1,2-Dichloroethene	ND	1.0	0.35	1		Vinyl Chloride	ND	0.50	0.36	1	
t-1,2-Dichloroethene	ND	1.0	0.38	1		p/m-Xylene	ND	1.0	0.54	1	
1,2-Dichloropropane	ND	1.0	0.36	1		o-Xylene	ND	1.0	0.17	1	
Acrolein	ND	20	13	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.26	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	109	74-140		1,2-Dichloroethane-d4	105	74-146	
Toluene-d8	97	88-112		1,4-Bromofluorobenzene	92	74-110	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

GeoSyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127-2116

Date Received: 07/26/07
Work Order No: 07-07-1823

Project: SD Inactive Landfill / Poway

Client Sample Number	Lab Sample Number	Date Collected	Matrix
POGW-11	**07-07-1823-1**	**07/25/07**	**Aqueous**

Comment(s): (24) Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Sulfate	230	20	4.2	10		mg/L	N/A	07/26/07	ASTM D516-02
Chemical Oxygen Demand (24)	ND	5.0	3.5	1		mg/L	07/27/07	07/27/07	EPA 410.4
Bicarbonate (as CaCO3)	138	5.0	0.85	1		mg/L	N/A	07/26/07	SM 2320B
Carbonate (as CaCO3) (24)	ND	1.0	0.85	1		mg/L	N/A	07/26/07	SM 2320B
Solids, Total Dissolved	1110	10	1.0	1		mg/L	N/A	07/27/07	SM 2540 C
Chloride	300	4.0	2.0	2		mg/L	N/A	07/26/07	SM 4500-Cl C
Nitrate (as N)	11	2.0	0.58	20		mg/L	07/26/07	07/26/07	SM 4500-NO3 E/SM 4500-NO2 B

POGW-15	**07-07-1823-2**	**07/25/07**	**Aqueous**

Comment(s): (24) Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Sulfate	120	10	2.1	5		mg/L	N/A	07/26/07	ASTM D516-02
Chemical Oxygen Demand (24)	ND	5.0	3.5	1		mg/L	07/27/07	07/27/07	EPA 410.4
Bicarbonate (as CaCO3)	318	5.0	0.85	1		mg/L	N/A	07/26/07	SM 2320B
Carbonate (as CaCO3) (24)	ND	1.0	0.85	1		mg/L	N/A	07/26/07	SM 2320B
Solids, Total Dissolved	860	1.0	1.0	1		mg/L	N/A	07/27/07	SM 2540 C
Chloride	180	2.0	1.0	1		mg/L	N/A	07/26/07	SM 4500-Cl C
Nitrate (as N)	3.7	0.50	0.15	5		mg/L	07/26/07	07/26/07	SM 4500-NO3 E/SM 4500-NO2 B

POGW-17B	**07-07-1823-3**	**07/25/07**	**Aqueous**

Comment(s): (24) Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Sulfate	250	20	4.2	10		mg/L	N/A	07/26/07	ASTM D516-02
Chemical Oxygen Demand (24)	ND	5.0	3.5	1		mg/L	07/27/07	07/27/07	EPA 410.4
Bicarbonate (as CaCO3)	380	5.0	0.85	1		mg/L	N/A	07/26/07	SM 2320B
Carbonate (as CaCO3) (24)	ND	1.0	0.85	1		mg/L	N/A	07/26/07	SM 2320B
Solids, Total Dissolved	1260	10	1.0	1		mg/L	N/A	07/27/07	SM 2540 C
Chloride	290	10	5.0	5		mg/L	N/A	07/26/07	SM 4500-Cl C
Nitrate (as N)	3.3	0.50	0.15	5		mg/L	07/26/07	07/26/07	SM 4500-NO3 E/SM 4500-NO2 B

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

GeoSyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127-2116

Date Received: 07/26/07
Work Order No: 07-07-1823

Project: SD Inactive Landfill / Poway

Client Sample Number	Lab Sample Number	Date Collected	Matrix
POGW-24B	**07-07-1823-4**	**07/25/07**	**Aqueous**

Comment(s): (24) Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Sulfate	220	20	4.2	10		mg/L	N/A	07/26/07	ASTM D516-02
Chemical Oxygen Demand	16	5.0	3.5	1		mg/L	07/27/07	07/27/07	EPA 410.4
Bicarbonate (as CaCO3)	566	5.0	0.85	1		mg/L	N/A	07/26/07	SM 2320B
Carbonate (as CaCO3) (24)	ND	1.0	0.85	1		mg/L	N/A	07/26/07	SM 2320B
Solids, Total Dissolved	1700	10	1.0	1		mg/L	N/A	07/27/07	SM 2540 C
Chloride	470	4.0	2.0	2		mg/L	N/A	07/26/07	SM 4500-Cl C
Nitrate (as N)	0.14	0.10	0.029	1		mg/L	07/26/07	07/26/07	SM 4500-NO3 E/SM 4500-NO2 B

Method Blank	**N/A**	**Aqueous**

Comment(s): (24) Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Sulfate (24)	ND	2.0	0.42	1		mg/L	N/A	07/26/07	ASTM D516-02
Chemical Oxygen Demand (24)	ND	5.0	3.5	1		mg/L	07/27/07	07/27/07	EPA 410.4
Bicarbonate (as CaCO3)	ND	1.0	0.85	1		mg/L	N/A	07/26/07	SM 2320B
Carbonate (as CaCO3)	ND	1.0	0.85	1		mg/L	N/A	07/26/07	SM 2320B
Solids, Total Dissolved (24)	ND	1.0	1.0	1		mg/L	N/A	07/27/07	SM 2540 C
Chloride (24)	ND	2.0	1.0	1		mg/L	N/A	07/26/07	SM 4500-Cl C
Nitrate (as N) (24)	ND	0.10	0.029	1		mg/L	07/26/07	07/26/07	SM 4500-NO3 E/SM 4500-NO2 B

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

GeoSyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127-2116

Date Received:	07/26/07
Work Order No:	07-07-1823
Preparation:	EPA 3005A Filt.
Method:	EPA 6010B

Project SD Inactive Landfill / Poway

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
POGW-11	**Aqueous**	**ICP 5300**	**07/27/07**	**07/31/07**	**070727S12**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Calcium	4X	4X	77-113	4X	0-11	Q
Magnesium	4X	4X	56-140	4X	0-11	Q
Potassium	109	113	83-131	2	0-7	
Sodium	4X	4X	73-127	4X	0-9	Q

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

GeoSyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127-2116

Date Received:	07/26/07
Work Order No:	07-07-1823
Preparation:	EPA 5030B
Method:	EPA 8260B

Project SD Inactive Landfill / Poway

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
POGW-11	**Aqueous**	**GC/MS L**	**07/30/07**	**07/30/07**	**070730S01**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	109	107	88-118	2	0-7	
Carbon Tetrachloride	114	114	67-145	0	0-11	
Chlorobenzene	108	107	88-118	1	0-7	
1,2-Dibromoethane	109	108	70-130	1	0-30	
1,2-Dichlorobenzene	110	107	86-116	3	0-8	
1,1-Dichloroethene	102	112	70-130	10	0-25	
Ethylbenzene	110	111	70-130	0	0-30	
Toluene	109	105	87-123	3	0-8	
Trichloroethene	109	107	79-127	2	0-10	
Vinyl Chloride	88	91	69-129	3	0-13	
Methyl-t-Butyl Ether (MTBE)	109	105	71-131	4	0-13	
Tert-Butyl Alcohol (TBA)	108	91	36-168	16	0-45	
Diisopropyl Ether (DIPE)	105	106	81-123	0	0-9	
Ethyl-t-Butyl Ether (ETBE)	108	107	72-126	1	0-12	
Tert-Amyl-Methyl Ether (TAME)	111	105	72-126	5	0-12	
Ethanol	93	85	53-149	9	0-31	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

GeoSyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127-2116

Date Received: N/A
Work Order No: 07-07-1823

Project: SD Inactive Landfill / Poway

Matrix: Aqueous

Parameter	Method	Quality Control Sample ID	Date Analyzed	Date Extracted	MS% REC	MSD % REC	%REC CL	RPD	RPD CL	Qualifiers
Sulfate	ASTM D516-02	07-07-1672-5	07/26/07	N/A	97	98	70-130	0	0-25	
Nitrate (as N)	SM 4500-NO3 E/SM 4500-NO2 B	POGW-24B	07/26/07	7/26/07	90	90	70-130	0	0-25	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Duplicate

GeoSyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127-2116

Date Received: N/A
Work Order No: 07-07-1823

Project: SD Inactive Landfill / Poway

Matrix: Aqueous

Parameter	Method	QC Sample ID	Date Analyzed	Sample Conc	DUP Conc	RPD	RPD CL	Qualifiers
Chloride	SM 4500-Cl C	07-07-1794-1	07/26/07	910	910	0	0-25	
Alkalinity, Total (as CaCO3)	SM 2320B	07-07-1794-1	07/26/07	492	492	0	0-25	
Bicarbonate (as CaCO3)	SM 2320B	07-07-1794-1	07/26/07	492	492	0	0-25	
Carbonate (as CaCO3)	SM 2320B	07-07-1794-1	07/26/07	ND	ND	NA	0-25	
Hydroxide (as CaCO3)	SM 2320B	07-07-1794-1	07/26/07	ND	ND	NA	0-25	
Chemical Oxygen Demand	EPA 410.4	POGW-11	07/27/07	ND	ND	NA	0-25	
Solids, Total Dissolved	SM 2540 C	07-07-1794-1	07/27/07	30500	30400	0	0-20	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

GeoSyntec Consultants		Date Received:	N/A
10875 Rancho Bernardo Road, Suite 200		Work Order No:	07-07-1823
San Diego, CA 92127-2116		Preparation:	EPA 3005A Filt.
		Method:	EPA 6010B

Project: SD Inactive Landfill / Poway

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
097-01-003-7,392	**Aqueous**	**ICP 5300**	**07/27/07**	**07/30/07**	**070727L12F**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Calcium	106	105	80-120	1	0-20	
Magnesium	107	106	80-120	0	0-20	
Potassium	103	103	80-120	0	0-20	
Sodium	101	100	80-120	1	0-20	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

GeoSyntec Consultants		Date Received:	N/A
10875 Rancho Bernardo Road, Suite 200		Work Order No:	07-07-1823
San Diego, CA 92127-2116		Preparation:	EPA 5030B
		Method:	EPA 8260B

Project: SD Inactive Landfill / Poway

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-10-006-22,262	**Aqueous**	**GC/MS L**	**07/30/07**	**07/30/07**	**070730L01**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	106	107	84-120	1	0-8	
Carbon Tetrachloride	110	109	63-147	0	0-10	
Chlorobenzene	105	105	89-119	0	0-7	
1,2-Dibromoethane	106	107	80-120	1	0-20	
1,2-Dichlorobenzene	109	108	89-119	1	0-9	
1,1-Dichloroethene	99	96	77-125	3	0-16	
Ethylbenzene	108	108	80-120	0	0-20	
Toluene	107	107	83-125	0	0-9	
Trichloroethene	106	107	89-119	0	0-8	
Vinyl Chloride	88	89	63-135	1	0-13	
Methyl-t-Butyl Ether (MTBE)	107	104	82-118	3	0-13	
Tert-Butyl Alcohol (TBA)	97	95	46-154	2	0-32	
Diisopropyl Ether (DIPE)	103	102	81-123	2	0-11	
Ethyl-t-Butyl Ether (ETBE)	107	105	74-122	2	0-12	
Tert-Amyl-Methyl Ether (TAME)	108	108	76-124	0	0-10	
Ethanol	87	88	60-138	1	0-32	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Laboratory Control Sample

GeoSyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127-2116

Date Received: N/A
Work Order No: 07-07-1823

Project: SD Inactive Landfill / Poway

Matrix : Aqueous

Parameter	Method	Quality Control Sample ID	Date Analyzed	Date Extracted	Conc Added	Conc Recovered	LCS %Rec	%Rec CL	Qualifiers
Sulfate	ASTM D516-02	099-05-091-1,403	07/26/07	N/A	20.0	19.8	99	80-120	
Nitrate (as N)	SM 4500-NO3 E/SM 4500-NO2 B	099-04-011-482	07/26/07	07/26/07	0.500	0.487	97	80-120	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 07-07-1823

Qualifier	Definition
*	See applicable analysis comment.
1	Surrogate compound recovery was out of control due to a required sample dilution, therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike or Matrix Spike Duplicate compound was out of control due to matrix interference. The associated LCS and/or LCSD was in control and, therefore, the sample data was reported without further clarification.
4	The MS/MSD RPD was out of control due to matrix interference. The LCS/LCSD RPD was in control and, therefore, the sample data was reported without further clarification.
5	The PDS/PDSD associated with this batch of samples was out of control due to a matrix interference effect. The associated batch LCS/LCSD was in control and, hence, the associated sample data was reported with no further corrective action required.
A	Result is the average of all dilutions, as defined by the method.
B	Analyte was present in the associated method blank.
C	Analyte presence was not confirmed on primary column.
E	Concentration exceeds the calibration range.
H	Sample received and/or analyzed past the recommended holding time.
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
N	Nontarget Analyte.
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
U	Undetected at the laboratory method detection limit.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.

Document Number: 2045

(1823)

Analysis Request and Chain of Custody Record

Page 1 of 1

Project Name: SD County Inactive Landfills	Project Number: Poway Landfill
Samplers Names: Rory Klinger	Project Contact: D. Skippen
Laboratory Name: CalScience Env. Labs	Lab Contact: S. Nowak
Lab Address: 7440 Lincoln Way, Garden Grove, CA	Lab Phone: 714-895-5494
	Carrier/Waybill No.: Lab Courier

White copy: to accompany samples

Yellow copy: field copy

Required Analyses: VOCs by 8260; Metals + Gen. Chem.; SVOCs by 8270; COD; TDS

Bottle Type and Volume/Preservative: VOA HCl; Poly None; Glass H_2SO_4; Poly None

	Sample Name	Date	Time	Sample Type	VOA HCl	Poly None		Glass H_2SO_4	Poly None						Comments	Lab Use Only: Condition of Bottles
					Number of Containers											
1	POGW-11	7/25/07		H_2O	3	1		1	1							
2	POGW-15				3	1		1	1							
3	POGW-17B				3	1		1	1							
4	POGW-24B				3	1		1	1							
5	QCFB				2											
6	QCTB	7/25/07		H_2O	2											

Special Instructions: Filter + Preserve Metals upon receipt
Gen. Chem.: HCO_3, CO_3, Cl, NO_3 (as N), SO_4
Metals: Ca, Mg, K, Na

EDF

Turn-around Time: ☒ Normal ☐ Rush: ____

1. Relinquished by (Signature/Affiliation) BBC Env	Date 7/26/7 Time 1320	1. Received by (Signature/Affiliation) CTL	Date 7/26/7 Time 1320
2. Relinquished by (Signature/Affiliation)	Date 7-26-7 Time 1655	2. Received by (Signature/Affiliation)	Date 7-26-7 Time 1655
3. Relinquished by (Signature/Affiliation)	Date Time	3. Received by (Signature/Affiliation)	Date Time

Geosyntec consultants 10875 Rancho Bernardo Road, Suite 200, San Diego, CA 92127 (858) 674-6559 Fax: (858) 674-6586

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 07 - 0 7 - 1 8 2 3

Cooler 1 of 1

SAMPLE RECEIPT FORM

CLIENT: Geosyntec DATE: 7/26/7

TEMPERATURE – SAMPLES RECEIVED BY:

CALSCIENCE COURIER:

_____ Chilled, cooler with temperature blank provided.
_____ Chilled, cooler without temperature blank.
✓ Chilled and placed in cooler with wet ice.
_____ Ambient and placed in cooler with wet ice.
_____ Ambient temperature.

3.6 °C Temperature blank.

LABORATORY (Other than Calscience Courier):

_____ °C Temperature blank.
_____ °C IR thermometer.
_____ Ambient temperature.

Initial: [signature]

CUSTODY SEAL INTACT:

Sample(s): _____ Cooler: _____ No (Not Intact) : _____ Not Present: ✓

Initial: [signature]

SAMPLE CONDITION:

	Yes	No	N/A
Chain-Of-Custody document(s) received with samples	✓		
Sampler's name indicated on COC	✓		
Sample container label(s) consistent with custody papers	✓		
Sample container(s) intact and good condition	✓		
Correct containers and volume for analyses requested	✓		
Proper preservation noted on sample label(s)	✓		
VOA vial(s) free of headspace.	✓		
Tedlar bag(s) free of condensation			✓

Initial: [signature]

COMMENTS:

Calscience Environmental Laboratories, Inc.

Supplemental Report 1

August 27, 2007

Dave Skippon
GeoSyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127-2116

Subject: **Calscience Work Order No.: 07-07-1931**
Client Reference: SD Inactive Landfill / Poway

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 7/27/2007 and analyzed in accordance with the attached chain-of-custody.

Unless otherwise noted, all analytical testing was accomplished in accordance with the guidelines established in our Quality Systems Manual, applicable standard operating procedures, and other related documentation. The original report of subcontracted analysis, if any, is provided herein, and follows the standard Calscience data package. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

If you have any questions regarding this report, please do not hesitate to contact the undersigned.

Sincerely,

Calscience Environmental
Laboratories, Inc.
Stephen Nowak
Project Manager

Calscience
Environmental
Laboratories, Inc.

CASE NARRATIVE

Calscience Work Order No.: 07-07-1931

Provided below is a narrative of our analytical effort, including any unique features or anomalies that were encountered as part of the analysis of the water samples.

Sample Condition on Receipt

Nineteen water samples were received as part of this Work Order on July 27, 2007. All samples were transferred to the laboratory in an ice-chest following strict chain-of-custody procedures. The temperature (3.8 and 3.9°C) of the samples was measured upon arrival in the laboratory and was within acceptable limits. The samples were logged into the Laboratory Information Management System (LIMS), given laboratory identification numbers, and stored in refrigeration units pending analysis.

Data Summary

The samples included in this report were analyzed in accordance with the attached chain-of custody. The following tests were performed:

Volatile Organics by EPA 8260B
Metals by EPA 6010B
Total Dissolved Solids by SM 2540 C
Nitrate by SM 4500-NO3 E/4500-NO2 B
Sulfate by ASTM D516-02
Chloride by SM 4500-CL C
Chemical Oxygen Demand by EPA 410.4
Bicarbonate by SM 2320B
Carbonate by SM 2320B
The EPA methods for Nitrate, Sulfate and Total Dissolved Solids have been deleted for use in regulatory compliance testing and have been replaced by alternate more up-to-date versions.

Holding Times

All holding time requirements were met.

Calibration

Frequency and control criteria for initial and continuing calibration verifications were met.

Calscience Environmental Laboratories, Inc.

Calscience WO# 07-07-1931 **Page 2 of 2**

Blanks

The method blank data showed non-detectable levels, with the exception of trace levels of select constituents. Any affected sample results have been flagged with a "B" qualifier. Note the presence of these constituents is attributed to laboratory contamination and, therefore, the results are released without further action or clarification. Please see Table A below for details:

Table A: Trace levels present in associated method blanks	
EPA Method 6010B	
Batch #	Analyte(s)
070731L04F	Sodium
EPA Method 8260B	
Batch #	Analyte(s)
070731L02	Naphthalene; 1,2,3-Trichlorobenzene; 1,2,4-Trichlorobenzene

Matrix Spikes

Matrix Spikes (MS) and Matrix Spike Duplicates (MSD) were performed at required frequencies. All recoveries were within acceptable limits, with the exceptions presented in Table B below.

Table B: Matrix Spike Recoveries or RPD outside acceptable limits	
EPA 6010B	
Batch #	Analyte(s)
070731S04	Calcium*; Magnesium*;Sodium*

*The recoveries were outside QC limits due to the sample concentration exceedance of the spike concentration by a factor of four or greater.
Note that the corresponding Laboratory Control Sample (LCS) and Laboratory Control Sample Duplicate (LCSD) recovery were within control limits, indicating a matrix interference effect. Therefore, the data is released without further action or qualification.

Laboratory Control Samples

The Laboratory Control Sample (LCS) and Laboratory Control Sample Duplicate (LCSD) analyses were performed at the required frequencies. All recoveries were within acceptable limits.

Surrogates

Surrogate recoveries for all samples were within acceptable control limits.

Calscience Environmental Laboratories, Inc.

Analytical Report

GeoSyntec Consultants		Date Received:	07/27/07
10875 Rancho Bernardo Road, Suite 200		Work Order No:	07-07-1931
San Diego, CA 92127-2116		Preparation:	EPA 3005A Filt.
		Method:	EPA 6010B

Project: SD Inactive Landfill / Poway

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
POGW-14	**07-07-1931-1**	**07/26/07**	**Aqueous**	**ICP 5300**	**07/31/07**	**07/31/07**	**070731L04F**

Parameter	Result	RL	MDL	DF	Qual	Units
Calcium	41.9	0.100	0.00932	1		mg/L
Magnesium	41.2	0.100	0.00328	1		mg/L
Potassium	5.99	0.500	0.0561	1		mg/L
Sodium	85.8	0.500	0.0192	1	B	mg/L

POGW-9	**07-07-1931-2**	**07/26/07**	**Aqueous**	**ICP 5300**	**07/31/07**	**07/31/07**	**070731L04F**

Parameter	Result	RL	MDL	DF	Qual	Units
Calcium	33.3	0.100	0.00932	1		mg/L
Magnesium	29.5	0.100	0.00328	1		mg/L
Potassium	7.82	0.500	0.0561	1		mg/L
Sodium	97.5	0.500	0.0192	1	B	mg/L

POGW-6	**07-07-1931-3**	**07/26/07**	**Aqueous**	**ICP 5300**	**07/31/07**	**07/31/07**	**070731L04F**

Parameter	Result	RL	MDL	DF	Qual	Units
Calcium	46.7	0.100	0.00932	1		mg/L
Magnesium	57.1	0.100	0.00328	1		mg/L
Potassium	6.30	0.500	0.0561	1		mg/L
Sodium	181	0.500	0.0192	1	B	mg/L

POGW-10	**07-07-1931-4**	**07/26/07**	**Aqueous**	**ICP 5300**	**07/31/07**	**07/31/07**	**070731L04F**

Parameter	Result	RL	MDL	DF	Qual	Units
Calcium	61.9	0.100	0.00932	1		mg/L
Magnesium	40.6	0.100	0.00328	1		mg/L
Potassium	24.3	0.500	0.0561	1		mg/L
Sodium	121	0.500	0.0192	1	B	mg/L

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

GeoSyntec Consultants		Date Received:	07/27/07
10875 Rancho Bernardo Road, Suite 200		Work Order No:	07-07-1931
San Diego, CA 92127-2116		Preparation:	EPA 3005A Filt.
		Method:	EPA 6010B

Project: SD Inactive Landfill / Poway

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
POGW-16	**07-07-1931-5**	**07/26/07**	**Aqueous**	**ICP 5300**	**07/31/07**	**07/31/07**	**070731L04F**

Parameter	Result	RL	MDL	DF	Qual	Units
Calcium	52.1	0.100	0.00932	1		mg/L
Magnesium	78.0	0.100	0.00328	1		mg/L
Potassium	8.00	0.500	0.0561	1		mg/L
Sodium	91.8	0.500	0.0192	1	B	mg/L

POGW-20	**07-07-1931-6**	**07/26/07**	**Aqueous**	**ICP 5300**	**07/31/07**	**07/31/07**	**070731L04F**

Parameter	Result	RL	MDL	DF	Qual	Units
Calcium	19.4	0.100	0.00932	1		mg/L
Magnesium	31.4	0.100	0.00328	1		mg/L
Potassium	1.31	0.500	0.0561	1		mg/L
Sodium	243	0.500	0.0192	1	B	mg/L

POGW-19	**07-07-1931-9**	**07/27/07**	**Aqueous**	**ICP 5300**	**07/31/07**	**07/31/07**	**070731L04F**

Parameter	Result	RL	MDL	DF	Qual	Units
Calcium	74.7	0.100	0.00932	1		mg/L
Magnesium	111	0.100	0.00328	1		mg/L
Potassium	23.1	0.500	0.0561	1		mg/L
Sodium	173	0.500	0.0192	1	B	mg/L

POGW-21	**07-07-1931-10**	**07/27/07**	**Aqueous**	**ICP 5300**	**07/31/07**	**07/31/07**	**070731L04F**

Parameter	Result	RL	MDL	DF	Qual	Units
Calcium	101	0.100	0.00932	1		mg/L
Magnesium	97.7	0.100	0.00328	1		mg/L
Potassium	1.74	0.500	0.0561	1		mg/L
Sodium	243	0.500	0.0192	1	B	mg/L

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

GeoSyntec Consultants		Date Received:	07/27/07
10875 Rancho Bernardo Road, Suite 200		Work Order No:	07-07-1931
San Diego, CA 92127-2116		Preparation:	EPA 3005A Filt.
		Method:	EPA 6010B

Project: SD Inactive Landfill / Poway

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
POPW-1	**07-07-1931-11**	**07/27/07**	**Aqueous**	**ICP 5300**	**07/31/07**	**07/31/07**	**070731L04F**

Parameter	Result	RL	MDL	DF	Qual	Units
Calcium	181	0.100	0.00932	1		mg/L
Magnesium	226	0.100	0.00328	1		mg/L
Potassium	13.2	0.500	0.0561	1		mg/L
Sodium	243	0.500	0.0192	1	B	mg/L

POGW-22	**07-07-1931-12**	**07/27/07**	**Aqueous**	**ICP 5300**	**07/31/07**	**07/31/07**	**070731L04F**

Parameter	Result	RL	MDL	DF	Qual	Units
Calcium	42.0	0.100	0.00932	1		mg/L
Magnesium	22.4	0.100	0.00328	1		mg/L
Potassium	7.22	0.500	0.0561	1		mg/L
Sodium	118	0.500	0.0192	1	B	mg/L

QCEB	**07-07-1931-14**	**07/27/07**	**Aqueous**	**ICP 5300**	**07/31/07**	**07/31/07**	**070731L04F**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units
Calcium	0.0729	0.100	0.00932	1	J	mg/L
Magnesium	0.0162	0.100	0.00328	1	J	mg/L
Potassium	0.133	0.500	0.0561	1	J	mg/L
Sodium	0.480	0.500	0.0192	1	J,B	mg/L

POGW-13	**07-07-1931-16**	**07/26/07**	**Aqueous**	**ICP 5300**	**07/31/07**	**07/31/07**	**070731L04F**

Parameter	Result	RL	MDL	DF	Qual	Units
Calcium	49.0	0.100	0.00932	1		mg/L
Magnesium	45.3	0.100	0.00328	1		mg/L
Potassium	4.74	0.500	0.0561	1		mg/L
Sodium	224	0.500	0.0192	1	B	mg/L

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

GeoSyntec Consultants		Date Received:	07/27/07
10875 Rancho Bernardo Road, Suite 200		Work Order No:	07-07-1931
San Diego, CA 92127-2116		Preparation:	EPA 3005A Filt.
		Method:	EPA 6010B

Project: SD Inactive Landfill / Poway

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
POGW-18A	**07-07-1931-17**	**07/26/07**	**Aqueous**	**ICP 5300**	**07/31/07**	**07/31/07**	**070731L04F**

Parameter	Result	RL	MDL	DF	Qual	Units
Calcium	26.9	0.100	0.00932	1		mg/L
Magnesium	48.3	0.100	0.00328	1		mg/L
Potassium	0.862	0.500	0.0561	1		mg/L
Sodium	171	0.500	0.0192	1	B	mg/L

POGW-18B	**07-07-1931-18**	**07/26/07**	**Aqueous**	**ICP 5300**	**07/31/07**	**07/31/07**	**070731L04F**

Parameter	Result	RL	MDL	DF	Qual	Units
Calcium	23.6	0.100	0.00932	1		mg/L
Magnesium	24.7	0.100	0.00328	1		mg/L
Potassium	3.82	0.500	0.0561	1		mg/L
Sodium	219	0.500	0.0192	1	B	mg/L

POGW-23	**07-07-1931-19**	**07/26/07**	**Aqueous**	**ICP 5300**	**07/31/07**	**07/31/07**	**070731L04F**

Parameter	Result	RL	MDL	DF	Qual	Units
Calcium	137	0.100	0.00932	1		mg/L
Magnesium	87.7	0.100	0.00328	1		mg/L
Potassium	13.1	0.500	0.0561	1		mg/L
Sodium	127	0.500	0.0192	1	B	mg/L

Method Blank	**097-01-003-7,394**	**N/A**	**Aqueous**	**ICP 5300**	**07/31/07**	**07/31/07**	**070731L04F**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units
Calcium	ND	0.100	0.00932	1		mg/L
Magnesium	ND	0.100	0.00328	1		mg/L
Potassium	ND	0.500	0.0561	1		mg/L
Sodium	0.145	0.500	0.0192	1	J	mg/L

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

GeoSyntec Consultants		Date Received:	07/27/07
10875 Rancho Bernardo Road, Suite 200		Work Order No:	07-07-1931
San Diego, CA 92127-2116		Preparation:	EPA 5030B
		Method:	EPA 8260B
		Units:	ug/L
Project: SD Inactive Landfill / Poway			Page 1 of 22

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
POGW-14	**07-07-1931-1**	**07/26/07**	**Aqueous**	**GC/MS EE**	**07/31/07**	**08/01/07**	**070731L02**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	50	6.3	1		Acrylonitrile	ND	20	6.6	1	
Benzene	ND	0.50	0.14	1		1,3-Dichloropropane	ND	1.0	0.26	1	
Bromobenzene	ND	1.0	0.27	1		2,2-Dichloropropane	ND	1.0	0.28	1	
Bromochloromethane	ND	1.0	0.70	1		1,1-Dichloropropene	ND	1.0	0.24	1	
Bromodichloromethane	ND	1.0	0.24	1		c-1,3-Dichloropropene	ND	0.50	0.31	1	
Bromoform	ND	1.0	0.66	1		t-1,3-Dichloropropene	ND	0.50	0.49	1	
Bromomethane	ND	10	5.1	1		2-Butanone	ND	10	6.7	1	
Chloromethane	ND	10	0.63	1		2-Hexanone	ND	10	5.4	1	
n-Butylbenzene	ND	1.0	0.29	1		Isopropylbenzene	ND	1.0	0.26	1	
sec-Butylbenzene	ND	1.0	0.32	1		p-Isopropyltoluene	ND	1.0	0.31	1	
tert-Butylbenzene	ND	1.0	0.33	1		Methylene Chloride	ND	10	4.3	1	
Carbon Tetrachloride	ND	0.50	0.32	1		4-Methyl-2-Pentanone	ND	10	3.7	1	
Chlorobenzene	ND	1.0	0.14	1		Naphthalene	0.72	10	0.50	1	J,B
Chloroethane	ND	1.0	0.69	1		1,2-Dichloroethane	ND	0.50	0.26	1	
n-Propylbenzene	ND	1.0	0.12	1		Chloroform	ND	1.0	0.24	1	
Styrene	ND	1.0	0.29	1		1,1,1,2-Tetrachloroethane	ND	1.0	0.34	1	
2-Chlorotoluene	ND	1.0	0.18	1		1,1,2,2-Tetrachloroethane	ND	1.0	0.30	1	
4-Chlorotoluene	ND	1.0	0.27	1		Tetrachloroethene	ND	1.0	0.35	1	
Dibromochloromethane	ND	1.0	0.41	1		1,2-Dibromo-3-Chloropropane	ND	5.0	3.2	1	
Ethylbenzene	ND	1.0	0.23	1		1,2,3-Trichlorobenzene	ND	1.0	0.43	1	
1,2-Dibromoethane	ND	1.0	0.49	1		1,2,4-Trichlorobenzene	ND	1.0	0.33	1	
Dibromomethane	ND	1.0	0.57	1		1,1,1-Trichloroethane	ND	1.0	0.26	1	
1,2-Dichlorobenzene	ND	1.0	0.33	1		Hexachloro-1,3-Butadiene	ND	20	0.45	1	
1,3-Dichlorobenzene	ND	1.0	0.23	1		1,1,2-Trichloroethane	ND	1.0	0.49	1	
1,4-Dichlorobenzene	ND	1.0	0.22	1		Trichloroethene	32	1.0	0.37	1	
Dichlorodifluoromethane	ND	1.0	0.89	1		Toluene	ND	1.0	0.27	1	
Trichlorofluoromethane	ND	10	0.21	1		1,1-Dichloroethane	ND	1.0	0.27	1	
1,2,3-Trichloropropane	ND	5.0	1.4	1		1,2,4-Trimethylbenzene	ND	1.0	0.23	1	
1,1-Dichloroethene	ND	1.0	0.29	1		1,3,5-Trimethylbenzene	ND	1.0	0.18	1	
c-1,2-Dichloroethene	37	1.0	0.35	1		Vinyl Chloride	1.2	0.50	0.36	1	
t-1,2-Dichloroethene	ND	1.0	0.38	1		1,2-Dichloropropane	ND	1.0	0.36	1	
p/m-Xylene	ND	1.0	0.54	1		o-Xylene	ND	1.0	0.17	1	
Acrolein	ND	20	13	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.26	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	117	74-140		1,2-Dichloroethane-d4	119	74-146	
Toluene-d8	100	88-112		1,4-Bromofluorobenzene	89	74-110	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

GeoSyntec Consultants		Date Received:	07/27/07
10875 Rancho Bernardo Road, Suite 200		Work Order No:	07-07-1931
San Diego, CA 92127-2116		Preparation:	EPA 5030B
		Method:	EPA 8260B
		Units:	ug/L
Project: SD Inactive Landfill / Poway			Page 2 of 22

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
POGW-9	**07-07-1931-2**	**07/26/07**	**Aqueous**	**GC/MS EE**	**07/31/07**	**08/01/07**	**070731L02**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	50	6.3	1		Benzene	ND	0.50	0.14	1	
1,3-Dichloropropane	ND	1.0	0.26	1		Bromobenzene	ND	1.0	0.27	1	
2,2-Dichloropropane	ND	1.0	0.28	1		Bromochloromethane	ND	1.0	0.70	1	
1,1-Dichloropropene	ND	1.0	0.24	1		Bromodichloromethane	ND	1.0	0.24	1	
sec-Butylbenzene	ND	1.0	0.32	1		c-1,3-Dichloropropene	ND	0.50	0.31	1	
Bromoform	ND	1.0	0.66	1		t-1,3-Dichloropropene	ND	0.50	0.49	1	
Bromomethane	ND	10	5.1	1		Ethylbenzene	ND	1.0	0.23	1	
2-Butanone	ND	10	6.7	1		2-Hexanone	ND	10	5.4	1	
n-Butylbenzene	ND	1.0	0.29	1		Isopropylbenzene	ND	1.0	0.26	1	
p-Isopropyltoluene	ND	1.0	0.31	1		tert-Butylbenzene	ND	1.0	0.33	1	
Dibromomethane	ND	1.0	0.57	1		Methylene Chloride	ND	10	4.3	1	
Carbon Tetrachloride	ND	0.50	0.32	1		4-Methyl-2-Pentanone	ND	10	3.7	1	
Chlorobenzene	ND	1.0	0.14	1		Chloroethane	ND	1.0	0.69	1	
n-Propylbenzene	ND	1.0	0.12	1		Chloroform	ND	1.0	0.24	1	
Styrene	ND	1.0	0.29	1		Chloromethane	ND	10	0.63	1	
1,1,1,2-Tetrachloroethane	ND	1.0	0.34	1		2-Chlorotoluene	ND	1.0	0.18	1	
Acrylonitrile	ND	20	6.6	1		1,1,2,2-Tetrachloroethane	ND	1.0	0.30	1	
4-Chlorotoluene	ND	1.0	0.27	1		Tetrachloroethene	ND	1.0	0.35	1	
Dibromochloromethane	ND	1.0	0.41	1		Toluene	ND	1.0	0.27	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	3.2	1		1,2,3-Trichlorobenzene	0.69	1.0	0.43	1	J,B
1,2-Dibromoethane	ND	1.0	0.49	1		1,2,4-Trichlorobenzene	0.57	1.0	0.33	1	J,B
1,1,1-Trichloroethane	ND	1.0	0.26	1		1,2-Dichlorobenzene	ND	1.0	0.33	1	
Naphthalene	1.5	10	0.50	1	J,B	Hexachloro-1,3-Butadiene	ND	20	0.45	1	
1,3-Dichlorobenzene	ND	1.0	0.23	1		1,1,2-Trichloroethane	ND	1.0	0.49	1	
1,4-Dichlorobenzene	ND	1.0	0.22	1		Dichlorodifluoromethane	ND	1.0	0.89	1	
Trichlorofluoromethane	ND	10	0.21	1		1,1-Dichloroethane	ND	1.0	0.27	1	
1,2,3-Trichloropropane	ND	5.0	1.4	1		1,2-Dichloroethane	ND	0.50	0.26	1	
1,2,4-Trimethylbenzene	ND	1.0	0.23	1		1,1-Dichloroethene	ND	1.0	0.29	1	
Trichloroethene	ND	1.0	0.37	1		1,3,5-Trimethylbenzene	ND	1.0	0.18	1	
c-1,2-Dichloroethene	ND	1.0	0.35	1		Vinyl Chloride	ND	0.50	0.36	1	
t-1,2-Dichloroethene	ND	1.0	0.38	1		p/m-Xylene	ND	1.0	0.54	1	
1,2-Dichloropropane	ND	1.0	0.36	1		o-Xylene	ND	1.0	0.17	1	
Acrolein	ND	20	13	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.26	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	118	74-140		1,2-Dichloroethane-d4	120	74-146	
Toluene-d8	99	88-112		1,4-Bromofluorobenzene	89	74-110	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

GeoSyntec Consultants		Date Received:	07/27/07
10875 Rancho Bernardo Road, Suite 200		Work Order No:	07-07-1931
San Diego, CA 92127-2116		Preparation:	EPA 5030B
		Method:	EPA 8260B
		Units:	ug/L
Project: SD Inactive Landfill / Poway			Page 3 of 22

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
POGW-6	**07-07-1931-3**	**07/26/07**	**Aqueous**	**GC/MS EE**	**07/31/07**	**08/01/07**	**070731L02**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	50	6.3	1		Acrylonitrile	ND	20	6.6	1	
Benzene	ND	0.50	0.14	1		Bromochloromethane	ND	1.0	0.70	1	
1,3-Dichloropropane	ND	1.0	0.26	1		Bromobenzene	ND	1.0	0.27	1	
2,2-Dichloropropane	ND	1.0	0.28	1		1,1-Dichloropropene	ND	1.0	0.24	1	
Bromodichloromethane	ND	1.0	0.24	1		c-1,3-Dichloropropene	ND	0.50	0.31	1	
Bromoform	ND	1.0	0.66	1		t-1,3-Dichloropropene	ND	0.50	0.49	1	
Bromomethane	ND	10	5.1	1		2-Butanone	ND	10	6.7	1	
Chloromethane	ND	10	0.63	1		2-Hexanone	ND	10	5.4	1	
n-Butylbenzene	ND	1.0	0.29	1		Isopropylbenzene	ND	1.0	0.26	1	
sec-Butylbenzene	ND	1.0	0.32	1		p-Isopropyltoluene	ND	1.0	0.31	1	
tert-Butylbenzene	ND	1.0	0.33	1		Methylene Chloride	ND	10	4.3	1	
Carbon Tetrachloride	ND	0.50	0.32	1		4-Methyl-2-Pentanone	ND	10	3.7	1	
Chlorobenzene	ND	1.0	0.14	1		Naphthalene	0.62	10	0.50	1	J,B
Chloroethane	ND	1.0	0.69	1		1,2-Dichloroethane	ND	0.50	0.26	1	
n-Propylbenzene	ND	1.0	0.12	1		Chloroform	ND	1.0	0.24	1	
Styrene	ND	1.0	0.29	1		1,1,1,2-Tetrachloroethane	ND	1.0	0.34	1	
2-Chlorotoluene	ND	1.0	0.18	1		1,1,2,2-Tetrachloroethane	ND	1.0	0.30	1	
4-Chlorotoluene	ND	1.0	0.27	1		Tetrachloroethene	ND	1.0	0.35	1	
Dibromochloromethane	ND	1.0	0.41	1		1,2-Dibromo-3-Chloropropane	ND	5.0	3.2	1	
Ethylbenzene	ND	1.0	0.23	1		1,2,3-Trichlorobenzene	ND	1.0	0.43	1	
1,2-Dibromoethane	ND	1.0	0.49	1		1,2,4-Trichlorobenzene	ND	1.0	0.33	1	
Dibromomethane	ND	1.0	0.57	1		1,1,1-Trichloroethane	ND	1.0	0.26	1	
1,2-Dichlorobenzene	ND	1.0	0.33	1		Hexachloro-1,3-Butadiene	ND	20	0.45	1	
1,3-Dichlorobenzene	ND	1.0	0.23	1		1,1,2-Trichloroethane	ND	1.0	0.49	1	
1,4-Dichlorobenzene	ND	1.0	0.22	1		Trichloroethene	ND	1.0	0.37	1	
Dichlorodifluoromethane	ND	1.0	0.89	1		Toluene	ND	1.0	0.27	1	
Trichlorofluoromethane	ND	10	0.21	1		1,1-Dichloroethane	ND	1.0	0.27	1	
1,2,3-Trichloropropane	ND	5.0	1.4	1		1,2,4-Trimethylbenzene	ND	1.0	0.23	1	
1,1-Dichloroethene	ND	1.0	0.29	1		1,3,5-Trimethylbenzene	ND	1.0	0.18	1	
c-1,2-Dichloroethene	ND	1.0	0.35	1		Vinyl Chloride	ND	0.50	0.36	1	
t-1,2-Dichloroethene	ND	1.0	0.38	1		1,2-Dichloropropane	ND	1.0	0.36	1	
p/m-Xylene	ND	1.0	0.54	1		o-Xylene	ND	1.0	0.17	1	
Acrolein	ND	20	13	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.26	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	118	74-140		1,2-Dichloroethane-d4	123	74-146	
Toluene-d8	99	88-112		1,4-Bromofluorobenzene	89	74-110	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

GeoSyntec Consultants		Date Received:	07/27/07
10875 Rancho Bernardo Road, Suite 200		Work Order No:	07-07-1931
San Diego, CA 92127-2116		Preparation:	EPA 5030B
		Method:	EPA 8260B
		Units:	ug/L
Project: SD Inactive Landfill / Poway			Page 4 of 22

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
POGW-10	**07-07-1931-4**	**07/26/07**	**Aqueous**	**GC/MS EE**	**07/31/07**	**08/01/07**	**070731L02**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	50	6.3	1		Benzene	ND	0.50	0.14	1	
1,3-Dichloropropane	ND	1.0	0.26	1		Bromobenzene	ND	1.0	0.27	1	
2,2-Dichloropropane	ND	1.0	0.28	1		Bromochloromethane	ND	1.0	0.70	1	
1,1-Dichloropropene	ND	1.0	0.24	1		Bromodichloromethane	ND	1.0	0.24	1	
sec-Butylbenzene	ND	1.0	0.32	1		c-1,3-Dichloropropene	ND	0.50	0.31	1	
Bromoform	ND	1.0	0.66	1		t-1,3-Dichloropropene	ND	0.50	0.49	1	
Bromomethane	ND	10	5.1	1		Ethylbenzene	ND	1.0	0.23	1	
2-Butanone	ND	10	6.7	1		2-Hexanone	ND	10	5.4	1	
n-Butylbenzene	ND	1.0	0.29	1		Isopropylbenzene	ND	1.0	0.26	1	
p-Isopropyltoluene	ND	1.0	0.31	1		tert-Butylbenzene	ND	1.0	0.33	1	
Dibromomethane	ND	1.0	0.57	1		Methylene Chloride	ND	10	4.3	1	
Carbon Tetrachloride	ND	0.50	0.32	1		4-Methyl-2-Pentanone	ND	10	3.7	1	
Chlorobenzene	ND	1.0	0.14	1		Chloroethane	ND	1.0	0.69	1	
n-Propylbenzene	ND	1.0	0.12	1		Chloroform	ND	1.0	0.24	1	
Styrene	ND	1.0	0.29	1		Chloromethane	ND	10	0.63	1	
1,1,1,2-Tetrachloroethane	ND	1.0	0.34	1		2-Chlorotoluene	ND	1.0	0.18	1	
Acrylonitrile	ND	20	6.6	1		1,1,2,2-Tetrachloroethane	ND	1.0	0.30	1	
4-Chlorotoluene	ND	1.0	0.27	1		Tetrachloroethene	ND	1.0	0.35	1	
Dibromochloromethane	ND	1.0	0.41	1		Toluene	ND	1.0	0.27	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	3.2	1		1,2,3-Trichlorobenzene	ND	1.0	0.43	1	
1,2-Dibromoethane	ND	1.0	0.49	1		1,2,4-Trichlorobenzene	ND	1.0	0.33	1	
1,1,1-Trichloroethane	ND	1.0	0.26	1		1,2-Dichlorobenzene	ND	1.0	0.33	1	
Naphthalene	ND	10	0.50	1		Hexachloro-1,3-Butadiene	ND	20	0.45	1	
1,3-Dichlorobenzene	ND	1.0	0.23	1		1,1,2-Trichloroethane	ND	1.0	0.49	1	
1,4-Dichlorobenzene	ND	1.0	0.22	1		Dichlorodifluoromethane	ND	1.0	0.89	1	
Trichlorofluoromethane	ND	10	0.21	1		1,1-Dichloroethane	ND	1.0	0.27	1	
1,2,3-Trichloropropane	ND	5.0	1.4	1		1,2-Dichloroethane	ND	0.50	0.26	1	
1,2,4-Trimethylbenzene	ND	1.0	0.23	1		1,1-Dichloroethene	ND	1.0	0.29	1	
Trichloroethene	ND	1.0	0.37	1		1,3,5-Trimethylbenzene	ND	1.0	0.18	1	
c-1,2-Dichloroethene	ND	1.0	0.35	1		Vinyl Chloride	ND	0.50	0.36	1	
t-1,2-Dichloroethene	ND	1.0	0.38	1		p/m-Xylene	ND	1.0	0.54	1	
1,2-Dichloropropane	ND	1.0	0.36	1		o-Xylene	ND	1.0	0.17	1	
Acrolein	ND	20	13	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.26	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	128	74-140		1,2-Dichloroethane-d4	128	74-146	
Toluene-d8	100	88-112		1,4-Bromofluorobenzene	88	74-110	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

GeoSyntec Consultants		Date Received:	07/27/07
10875 Rancho Bernardo Road, Suite 200		Work Order No:	07-07-1931
San Diego, CA 92127-2116		Preparation:	EPA 5030B
		Method:	EPA 8260B
		Units:	ug/L
Project: SD Inactive Landfill / Poway			Page 5 of 22

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
POGW-16	**07-07-1931-5**	**07/26/07**	**Aqueous**	**GC/MS EE**	**07/31/07**	**08/01/07**	**070731L02**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	50	6.3	1		Acrylonitrile	ND	20	6.6	1	
Benzene	0.26	0.50	0.14	1	J	Bromochloromethane	ND	1.0	0.70	1	
1,3-Dichloropropane	ND	1.0	0.26	1		Bromobenzene	ND	1.0	0.27	1	
2,2-Dichloropropane	ND	1.0	0.28	1		1,1-Dichloropropene	ND	1.0	0.24	1	
Bromodichloromethane	ND	1.0	0.24	1		c-1,3-Dichloropropene	ND	0.50	0.31	1	
Bromoform	ND	1.0	0.66	1		t-1,3-Dichloropropene	ND	0.50	0.49	1	
Bromomethane	ND	10	5.1	1		2-Butanone	ND	10	6.7	1	
Chloromethane	ND	10	0.63	1		2-Hexanone	ND	10	5.4	1	
n-Butylbenzene	ND	1.0	0.29	1		Isopropylbenzene	ND	1.0	0.26	1	
sec-Butylbenzene	ND	1.0	0.32	1		p-Isopropyltoluene	ND	1.0	0.31	1	
tert-Butylbenzene	ND	1.0	0.33	1		Methylene Chloride	ND	10	4.3	1	
Carbon Tetrachloride	ND	0.50	0.32	1		4-Methyl-2-Pentanone	ND	10	3.7	1	
Chlorobenzene	0.86	1.0	0.14	1	J	Naphthalene	ND	10	0.50	1	
Chloroethane	ND	1.0	0.69	1		1,2-Dichloroethane	ND	0.50	0.26	1	
n-Propylbenzene	ND	1.0	0.12	1		Chloroform	ND	1.0	0.24	1	
Styrene	ND	1.0	0.29	1		1,1,1,2-Tetrachloroethane	ND	1.0	0.34	1	
2-Chlorotoluene	ND	1.0	0.18	1		1,1,2,2-Tetrachloroethane	ND	1.0	0.30	1	
4-Chlorotoluene	ND	1.0	0.27	1		Tetrachloroethene	1.5	1.0	0.35	1	
Dibromochloromethane	ND	1.0	0.41	1		1,2-Dibromo-3-Chloropropane	ND	5.0	3.2	1	
Ethylbenzene	ND	1.0	0.23	1		1,2,3-Trichlorobenzene	ND	1.0	0.43	1	
1,2-Dibromoethane	ND	1.0	0.49	1		1,2,4-Trichlorobenzene	ND	1.0	0.33	1	
Dibromomethane	ND	1.0	0.57	1		1,1,1-Trichloroethane	ND	1.0	0.26	1	
1,2-Dichlorobenzene	ND	1.0	0.33	1		Hexachloro-1,3-Butadiene	ND	20	0.45	1	
1,3-Dichlorobenzene	ND	1.0	0.23	1		1,1,2-Trichloroethane	ND	1.0	0.49	1	
1,4-Dichlorobenzene	4.2	1.0	0.22	1		Trichloroethene	6.3	1.0	0.37	1	
Dichlorodifluoromethane	1.3	1.0	0.89	1		Toluene	ND	1.0	0.27	1	
Trichlorofluoromethane	ND	10	0.21	1		1,1-Dichloroethane	ND	1.0	0.27	1	
1,2,3-Trichloropropane	ND	5.0	1.4	1		1,2,4-Trimethylbenzene	ND	1.0	0.23	1	
1,1-Dichloroethene	ND	1.0	0.29	1		1,3,5-Trimethylbenzene	ND	1.0	0.18	1	
c-1,2-Dichloroethene	15	1.0	0.35	1		Vinyl Chloride	0.43	0.50	0.36	1	J
t-1,2-Dichloroethene	ND	1.0	0.38	1		1,2-Dichloropropane	ND	1.0	0.36	1	
p/m-Xylene	ND	1.0	0.54	1		o-Xylene	ND	1.0	0.17	1	
Acrolein	ND	20	13	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.26	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	118	74-140		1,2-Dichloroethane-d4	121	74-146	
Toluene-d8	99	88-112		1,4-Bromofluorobenzene	89	74-110	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

GeoSyntec Consultants		Date Received:	07/27/07
10875 Rancho Bernardo Road, Suite 200		Work Order No:	07-07-1931
San Diego, CA 92127-2116		Preparation:	EPA 5030B
		Method:	EPA 8260B
		Units:	ug/L
Project: SD Inactive Landfill / Poway			Page 6 of 22

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
POGW-20	**07-07-1931-6**	**07/26/07**	**Aqueous**	**GC/MS EE**	**07/31/07**	**08/01/07**	**070731L02**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	50	6.3	1		Benzene	ND	0.50	0.14	1	
1,3-Dichloropropane	ND	1.0	0.26	1		Bromobenzene	ND	1.0	0.27	1	
2,2-Dichloropropane	ND	1.0	0.28	1		Bromochloromethane	ND	1.0	0.70	1	
1,1-Dichloropropene	ND	1.0	0.24	1		Bromodichloromethane	ND	1.0	0.24	1	
sec-Butylbenzene	ND	1.0	0.32	1		c-1,3-Dichloropropene	ND	0.50	0.31	1	
Bromoform	ND	1.0	0.66	1		t-1,3-Dichloropropene	ND	0.50	0.49	1	
Bromomethane	ND	10	5.1	1		Ethylbenzene	ND	1.0	0.23	1	
2-Butanone	ND	10	6.7	1		2-Hexanone	ND	10	5.4	1	
n-Butylbenzene	ND	1.0	0.29	1		Isopropylbenzene	ND	1.0	0.26	1	
p-Isopropyltoluene	ND	1.0	0.31	1		tert-Butylbenzene	ND	1.0	0.33	1	
Dibromomethane	ND	1.0	0.57	1		Methylene Chloride	ND	10	4.3	1	
Carbon Tetrachloride	ND	0.50	0.32	1		4-Methyl-2-Pentanone	ND	10	3.7	1	
Chlorobenzene	ND	1.0	0.14	1		Chloroethane	ND	1.0	0.69	1	
n-Propylbenzene	ND	1.0	0.12	1		Chloroform	ND	1.0	0.24	1	
Styrene	ND	1.0	0.29	1		Chloromethane	ND	10	0.63	1	
1,1,1,2-Tetrachloroethane	ND	1.0	0.34	1		2-Chlorotoluene	ND	1.0	0.18	1	
Acrylonitrile	ND	20	6.6	1		1,1,2,2-Tetrachloroethane	ND	1.0	0.30	1	
4-Chlorotoluene	ND	1.0	0.27	1		Tetrachloroethene	ND	1.0	0.35	1	
Dibromochloromethane	ND	1.0	0.41	1		Toluene	ND	1.0	0.27	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	3.2	1		1,2,3-Trichlorobenzene	ND	1.0	0.43	1	
1,2-Dibromoethane	ND	1.0	0.49	1		1,2,4-Trichlorobenzene	ND	1.0	0.33	1	
1,1,1-Trichloroethane	ND	1.0	0.26	1		1,2-Dichlorobenzene	ND	1.0	0.33	1	
Naphthalene	ND	10	0.50	1		Hexachloro-1,3-Butadiene	ND	20	0.45	1	
1,3-Dichlorobenzene	ND	1.0	0.23	1		1,1,2-Trichloroethane	ND	1.0	0.49	1	
1,4-Dichlorobenzene	ND	1.0	0.22	1		Dichlorodifluoromethane	1.0	1.0	0.89	1	
Trichlorofluoromethane	ND	10	0.21	1		1,1-Dichloroethane	ND	1.0	0.27	1	
1,2,3-Trichloropropane	ND	5.0	1.4	1		1,2-Dichloroethane	ND	0.50	0.26	1	
1,2,4-Trimethylbenzene	ND	1.0	0.23	1		1,1-Dichloroethene	ND	1.0	0.29	1	
Trichloroethene	ND	1.0	0.37	1		1,3,5-Trimethylbenzene	ND	1.0	0.18	1	
c-1,2-Dichloroethene	0.94	1.0	0.35	1	J	Vinyl Chloride	ND	0.50	0.36	1	
t-1,2-Dichloroethene	ND	1.0	0.38	1		p/m-Xylene	ND	1.0	0.54	1	
1,2-Dichloropropane	ND	1.0	0.36	1		o-Xylene	ND	1.0	0.17	1	
Acrolein	ND	20	13	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.26	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	122	74-140		1,2-Dichloroethane-d4	125	74-146	
Toluene-d8	101	88-112		1,4-Bromofluorobenzene	88	74-110	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

GeoSyntec Consultants		Date Received:	07/27/07
10875 Rancho Bernardo Road, Suite 200		Work Order No:	07-07-1931
San Diego, CA 92127-2116		Preparation:	EPA 5030B
		Method:	EPA 8260B
		Units:	ug/L
Project: SD Inactive Landfill / Poway			Page 7 of 22

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
QCFB	**07-07-1931-7**	**07/26/07**	**Aqueous**	**GC/MS EE**	**07/31/07**	**08/01/07**	**070731L02**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	50	6.3	1		Acrylonitrile	ND	20	6.6	1	
Benzene	ND	0.50	0.14	1		Bromochloromethane	ND	1.0	0.70	1	
1,3-Dichloropropane	ND	1.0	0.26	1		Bromobenzene	ND	1.0	0.27	1	
2,2-Dichloropropane	ND	1.0	0.28	1		1,1-Dichloropropene	ND	1.0	0.24	1	
Bromodichloromethane	ND	1.0	0.24	1		c-1,3-Dichloropropene	ND	0.50	0.31	1	
Bromoform	ND	1.0	0.66	1		t-1,3-Dichloropropene	ND	0.50	0.49	1	
Bromomethane	ND	10	5.1	1		2-Butanone	ND	10	6.7	1	
Chloromethane	ND	10	0.63	1		2-Hexanone	ND	10	5.4	1	
n-Butylbenzene	ND	1.0	0.29	1		Isopropylbenzene	ND	1.0	0.26	1	
sec-Butylbenzene	ND	1.0	0.32	1		p-Isopropyltoluene	ND	1.0	0.31	1	
tert-Butylbenzene	ND	1.0	0.33	1		Methylene Chloride	ND	10	4.3	1	
Carbon Tetrachloride	ND	0.50	0.32	1		4-Methyl-2-Pentanone	ND	10	3.7	1	
Chlorobenzene	ND	1.0	0.14	1		Naphthalene	ND	10	0.50	1	
Chloroethane	ND	1.0	0.69	1		1,2-Dichloroethane	ND	0.50	0.26	1	
n-Propylbenzene	ND	1.0	0.12	1		Chloroform	ND	1.0	0.24	1	
Styrene	ND	1.0	0.29	1		1,1,1,2-Tetrachloroethane	ND	1.0	0.34	1	
2-Chlorotoluene	ND	1.0	0.18	1		1,1,2,2-Tetrachloroethane	ND	1.0	0.30	1	
4-Chlorotoluene	ND	1.0	0.27	1		Tetrachloroethene	ND	1.0	0.35	1	
Dibromochloromethane	ND	1.0	0.41	1		1,2-Dibromo-3-Chloropropane	ND	5.0	3.2	1	
Ethylbenzene	ND	1.0	0.23	1		1,2,3-Trichlorobenzene	ND	1.0	0.43	1	
1,2-Dibromoethane	ND	1.0	0.49	1		1,2,4-Trichlorobenzene	ND	1.0	0.33	1	
Dibromomethane	ND	1.0	0.57	1		1,1,1-Trichloroethane	ND	1.0	0.26	1	
1,2-Dichlorobenzene	ND	1.0	0.33	1		Hexachloro-1,3-Butadiene	ND	20	0.45	1	
1,3-Dichlorobenzene	ND	1.0	0.23	1		1,1,2-Trichloroethane	ND	1.0	0.49	1	
1,4-Dichlorobenzene	ND	1.0	0.22	1		Trichloroethene	ND	1.0	0.37	1	
Dichlorodifluoromethane	ND	1.0	0.89	1		Toluene	ND	1.0	0.27	1	
Trichlorofluoromethane	ND	10	0.21	1		1,1-Dichloroethane	ND	1.0	0.27	1	
1,2,3-Trichloropropane	ND	5.0	1.4	1		1,2,4-Trimethylbenzene	ND	1.0	0.23	1	
1,1-Dichloroethene	ND	1.0	0.29	1		1,3,5-Trimethylbenzene	ND	1.0	0.18	1	
c-1,2-Dichloroethene	ND	1.0	0.35	1		Vinyl Chloride	ND	0.50	0.36	1	
t-1,2-Dichloroethene	ND	1.0	0.38	1		1,2-Dichloropropane	ND	1.0	0.36	1	
p/m-Xylene	ND	1.0	0.54	1		o-Xylene	ND	1.0	0.17	1	
Acrolein	ND	20	13	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.26	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	123	74-140		1,2-Dichloroethane-d4	124	74-146	
Toluene-d8	100	88-112		1,4-Bromofluorobenzene	87	74-110	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

GeoSyntec Consultants		Date Received:	07/27/07
10875 Rancho Bernardo Road, Suite 200		Work Order No:	07-07-1931
San Diego, CA 92127-2116		Preparation:	EPA 5030B
		Method:	EPA 8260B
		Units:	ug/L
Project: SD Inactive Landfill / Poway			Page 8 of 22

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
QCTB	**07-07-1931-8**	**07/26/07**	**Aqueous**	**GC/MS EE**	**07/31/07**	**08/01/07**	**070731L02**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	50	6.3	1		Benzene	ND	0.50	0.14	1	
1,3-Dichloropropane	ND	1.0	0.26	1		Bromobenzene	ND	1.0	0.27	1	
2,2-Dichloropropane	ND	1.0	0.28	1		Bromochloromethane	ND	1.0	0.70	1	
1,1-Dichloropropene	ND	1.0	0.24	1		Bromodichloromethane	ND	1.0	0.24	1	
sec-Butylbenzene	ND	1.0	0.32	1		c-1,3-Dichloropropene	ND	0.50	0.31	1	
Bromoform	ND	1.0	0.66	1		t-1,3-Dichloropropene	ND	0.50	0.49	1	
Bromomethane	ND	10	5.1	1		Ethylbenzene	ND	1.0	0.23	1	
2-Butanone	ND	10	6.7	1		2-Hexanone	ND	10	5.4	1	
n-Butylbenzene	ND	1.0	0.29	1		Isopropylbenzene	ND	1.0	0.26	1	
p-Isopropyltoluene	ND	1.0	0.31	1		tert-Butylbenzene	ND	1.0	0.33	1	
Dibromomethane	ND	1.0	0.57	1		Methylene Chloride	ND	10	4.3	1	
Carbon Tetrachloride	ND	0.50	0.32	1		4-Methyl-2-Pentanone	ND	10	3.7	1	
Chlorobenzene	ND	1.0	0.14	1		Chloroethane	ND	1.0	0.69	1	
n-Propylbenzene	ND	1.0	0.12	1		Chloroform	ND	1.0	0.24	1	
Styrene	ND	1.0	0.29	1		Chloromethane	ND	10	0.63	1	
1,1,1,2-Tetrachloroethane	ND	1.0	0.34	1		2-Chlorotoluene	ND	1.0	0.18	1	
Acrylonitrile	ND	20	6.6	1		1,1,2,2-Tetrachloroethane	ND	1.0	0.30	1	
4-Chlorotoluene	ND	1.0	0.27	1		Tetrachloroethene	ND	1.0	0.35	1	
Dibromochloromethane	ND	1.0	0.41	1		Toluene	ND	1.0	0.27	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	3.2	1		1,2,3-Trichlorobenzene	ND	1.0	0.43	1	
1,2-Dibromoethane	ND	1.0	0.49	1		1,2,4-Trichlorobenzene	ND	1.0	0.33	1	
1,1,1-Trichloroethane	ND	1.0	0.26	1		1,2-Dichlorobenzene	ND	1.0	0.33	1	
Naphthalene	ND	10	0.50	1		Hexachloro-1,3-Butadiene	ND	20	0.45	1	
1,3-Dichlorobenzene	ND	1.0	0.23	1		1,1,2-Trichloroethane	ND	1.0	0.49	1	
1,4-Dichlorobenzene	ND	1.0	0.22	1		Dichlorodifluoromethane	ND	1.0	0.89	1	
Trichlorofluoromethane	ND	10	0.21	1		1,1-Dichloroethane	ND	1.0	0.27	1	
1,2,3-Trichloropropane	ND	5.0	1.4	1		1,2-Dichloroethane	ND	0.50	0.26	1	
1,2,4-Trimethylbenzene	ND	1.0	0.23	1		1,1-Dichloroethene	ND	1.0	0.29	1	
Trichloroethene	ND	1.0	0.37	1		1,3,5-Trimethylbenzene	ND	1.0	0.18	1	
c-1,2-Dichloroethene	ND	1.0	0.35	1		Vinyl Chloride	ND	0.50	0.36	1	
t-1,2-Dichloroethene	ND	1.0	0.38	1		p/m-Xylene	ND	1.0	0.54	1	
1,2-Dichloropropane	ND	1.0	0.36	1		o-Xylene	ND	1.0	0.17	1	
Acrolein	ND	20	13	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.26	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	129	74-140		1,2-Dichloroethane-d4	131	74-146	
Toluene-d8	100	88-112		1,4-Bromofluorobenzene	87	74-110	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

GeoSyntec Consultants		Date Received:	07/27/07
10875 Rancho Bernardo Road, Suite 200		Work Order No:	07-07-1931
San Diego, CA 92127-2116		Preparation:	EPA 5030B
		Method:	EPA 8260B
		Units:	ug/L
Project: SD Inactive Landfill / Poway			Page 9 of 22

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
POGW-19	**07-07-1931-9**	**07/27/07**	**Aqueous**	**GC/MS EE**	**07/31/07**	**08/01/07**	**070731L02**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	50	6.3	1		Acrylonitrile	ND	20	6.6	1	
Benzene	0.22	0.50	0.14	1	J	Bromochloromethane	ND	1.0	0.70	1	
1,3-Dichloropropane	ND	1.0	0.26	1		Bromobenzene	ND	1.0	0.27	1	
2,2-Dichloropropane	ND	1.0	0.28	1		1,1-Dichloropropene	ND	1.0	0.24	1	
Bromodichloromethane	ND	1.0	0.24	1		c-1,3-Dichloropropene	ND	0.50	0.31	1	
Bromoform	ND	1.0	0.66	1		t-1,3-Dichloropropene	ND	0.50	0.49	1	
Bromomethane	ND	10	5.1	1		2-Butanone	ND	10	6.7	1	
Chloromethane	ND	10	0.63	1		2-Hexanone	ND	10	5.4	1	
n-Butylbenzene	ND	1.0	0.29	1		Isopropylbenzene	ND	1.0	0.26	1	
sec-Butylbenzene	ND	1.0	0.32	1		p-Isopropyltoluene	ND	1.0	0.31	1	
tert-Butylbenzene	ND	1.0	0.33	1		Methylene Chloride	ND	10	4.3	1	
Carbon Tetrachloride	ND	0.50	0.32	1		4-Methyl-2-Pentanone	ND	10	3.7	1	
Chlorobenzene	0.20	1.0	0.14	1	J	Naphthalene	ND	10	0.50	1	
Chloroethane	ND	1.0	0.69	1		1,2-Dichloroethane	ND	0.50	0.26	1	
n-Propylbenzene	ND	1.0	0.12	1		Chloroform	ND	1.0	0.24	1	
Styrene	ND	1.0	0.29	1		1,1,1,2-Tetrachloroethane	ND	1.0	0.34	1	
2-Chlorotoluene	ND	1.0	0.18	1		1,1,2,2-Tetrachloroethane	ND	1.0	0.30	1	
4-Chlorotoluene	ND	1.0	0.27	1		Tetrachloroethene	1.0	1.0	0.35	1	
Dibromochloromethane	ND	1.0	0.41	1		1,2-Dibromo-3-Chloropropane	ND	5.0	3.2	1	
Ethylbenzene	ND	1.0	0.23	1		1,2,3-Trichlorobenzene	ND	1.0	0.43	1	
1,2-Dibromoethane	ND	1.0	0.49	1		1,2,4-Trichlorobenzene	ND	1.0	0.33	1	
Dibromomethane	ND	1.0	0.57	1		1,1,1-Trichloroethane	ND	1.0	0.26	1	
1,2-Dichlorobenzene	ND	1.0	0.33	1		Hexachloro-1,3-Butadiene	ND	20	0.45	1	
1,3-Dichlorobenzene	ND	1.0	0.23	1		1,1,2-Trichloroethane	ND	1.0	0.49	1	
1,4-Dichlorobenzene	0.55	1.0	0.22	1	J	Trichloroethene	11	1.0	0.37	1	
Dichlorodifluoromethane	2.5	1.0	0.89	1		Toluene	ND	1.0	0.27	1	
Trichlorofluoromethane	ND	10	0.21	1		1,1-Dichloroethane	ND	1.0	0.27	1	
1,2,3-Trichloropropane	ND	5.0	1.4	1		1,2,4-Trimethylbenzene	ND	1.0	0.23	1	
1,1-Dichloroethene	ND	1.0	0.29	1		1,3,5-Trimethylbenzene	ND	1.0	0.18	1	
c-1,2-Dichloroethene	32	1.0	0.35	1		Vinyl Chloride	ND	0.50	0.36	1	
t-1,2-Dichloroethene	ND	1.0	0.38	1		1,2-Dichloropropane	ND	1.0	0.36	1	
p/m-Xylene	ND	1.0	0.54	1		o-Xylene	ND	1.0	0.17	1	
Acrolein	ND	20	13	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.26	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	127	74-140		1,2-Dichloroethane-d4	127	74-146	
Toluene-d8	99	88-112		1,4-Bromofluorobenzene	88	74-110	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

GeoSyntec Consultants		Date Received:	07/27/07
10875 Rancho Bernardo Road, Suite 200		Work Order No:	07-07-1931
San Diego, CA 92127-2116		Preparation:	EPA 5030B
		Method:	EPA 8260B
		Units:	ug/L
Project: SD Inactive Landfill / Poway			Page 10 of 22

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
POGW-21	**07-07-1931-10**	**07/27/07**	**Aqueous**	**GC/MS EE**	**07/31/07**	**08/01/07**	**070731L02**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	50	6.3	1		Benzene	ND	0.50	0.14	1	
1,3-Dichloropropane	ND	1.0	0.26	1		Bromobenzene	ND	1.0	0.27	1	
2,2-Dichloropropane	ND	1.0	0.28	1		Bromochloromethane	ND	1.0	0.70	1	
1,1-Dichloropropene	ND	1.0	0.24	1		Bromodichloromethane	ND	1.0	0.24	1	
sec-Butylbenzene	ND	1.0	0.32	1		c-1,3-Dichloropropene	ND	0.50	0.31	1	
Bromoform	ND	1.0	0.66	1		t-1,3-Dichloropropene	ND	0.50	0.49	1	
Bromomethane	ND	10	5.1	1		Ethylbenzene	ND	1.0	0.23	1	
2-Butanone	ND	10	6.7	1		2-Hexanone	ND	10	5.4	1	
n-Butylbenzene	ND	1.0	0.29	1		Isopropylbenzene	ND	1.0	0.26	1	
p-Isopropyltoluene	ND	1.0	0.31	1		tert-Butylbenzene	ND	1.0	0.33	1	
Dibromomethane	ND	1.0	0.57	1		Methylene Chloride	ND	10	4.3	1	
Carbon Tetrachloride	ND	0.50	0.32	1		4-Methyl-2-Pentanone	ND	10	3.7	1	
Chlorobenzene	ND	1.0	0.14	1		Chloroethane	ND	1.0	0.69	1	
n-Propylbenzene	ND	1.0	0.12	1		Chloroform	ND	1.0	0.24	1	
Styrene	ND	1.0	0.29	1		Chloromethane	ND	10	0.63	1	
1,1,1,2-Tetrachloroethane	ND	1.0	0.34	1		2-Chlorotoluene	ND	1.0	0.18	1	
Acrylonitrile	ND	20	6.6	1		1,1,2,2-Tetrachloroethane	ND	1.0	0.30	1	
4-Chlorotoluene	ND	1.0	0.27	1		Tetrachloroethene	0.44	1.0	0.35	1	J
Dibromochloromethane	ND	1.0	0.41	1		Toluene	ND	1.0	0.27	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	3.2	1		1,2,3-Trichlorobenzene	ND	1.0	0.43	1	
1,2-Dibromoethane	ND	1.0	0.49	1		1,2,4-Trichlorobenzene	ND	1.0	0.33	1	
1,1,1-Trichloroethane	ND	1.0	0.26	1		1,2-Dichlorobenzene	ND	1.0	0.33	1	
Naphthalene	ND	10	0.50	1		Hexachloro-1,3-Butadiene	ND	20	0.45	1	
1,3-Dichlorobenzene	ND	1.0	0.23	1		1,1,2-Trichloroethane	ND	1.0	0.49	1	
1,4-Dichlorobenzene	1.1	1.0	0.22	1		Dichlorodifluoromethane	1.1	1.0	0.89	1	
Trichlorofluoromethane	ND	10	0.21	1		1,1-Dichloroethane	ND	1.0	0.27	1	
1,2,3-Trichloropropane	ND	5.0	1.4	1		1,2-Dichloroethane	ND	0.50	0.26	1	
1,2,4-Trimethylbenzene	ND	1.0	0.23	1		1,1-Dichloroethene	ND	1.0	0.29	1	
Trichloroethene	5.4	1.0	0.37	1		1,3,5-Trimethylbenzene	ND	1.0	0.18	1	
c-1,2-Dichloroethene	5.8	1.0	0.35	1		Vinyl Chloride	ND	0.50	0.36	1	
t-1,2-Dichloroethene	ND	1.0	0.38	1		p/m-Xylene	ND	1.0	0.54	1	
1,2-Dichloropropane	ND	1.0	0.36	1		o-Xylene	ND	1.0	0.17	1	
Acrolein	ND	20	13	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.26	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	122	74-140		1,2-Dichloroethane-d4	124	74-146	
Toluene-d8	101	88-112		1,4-Bromofluorobenzene	86	74-110	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

GeoSyntec Consultants		Date Received:	07/27/07
10875 Rancho Bernardo Road, Suite 200		Work Order No:	07-07-1931
San Diego, CA 92127-2116		Preparation:	EPA 5030B
		Method:	EPA 8260B
		Units:	ug/L
Project: SD Inactive Landfill / Poway			Page 11 of 22

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
POPW-1	**07-07-1931-11**	**07/27/07**	**Aqueous**	**GC/MS EE**	**07/31/07**	**08/01/07**	**070731L02**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	50	6.3	1		Acrylonitrile	ND	20	6.6	1	
Benzene	1.2	0.50	0.14	1		Bromochloromethane	ND	1.0	0.70	1	
1,3-Dichloropropane	ND	1.0	0.26	1		Bromobenzene	ND	1.0	0.27	1	
2,2-Dichloropropane	ND	1.0	0.28	1		1,1-Dichloropropene	ND	1.0	0.24	1	
Bromodichloromethane	ND	1.0	0.24	1		c-1,3-Dichloropropene	ND	0.50	0.31	1	
Bromoform	ND	1.0	0.66	1		t-1,3-Dichloropropene	ND	0.50	0.49	1	
Bromomethane	ND	10	5.1	1		2-Butanone	ND	10	6.7	1	
Chloromethane	ND	10	0.63	1		2-Hexanone	ND	10	5.4	1	
n-Butylbenzene	ND	1.0	0.29	1		Isopropylbenzene	ND	1.0	0.26	1	
sec-Butylbenzene	ND	1.0	0.32	1		p-Isopropyltoluene	ND	1.0	0.31	1	
tert-Butylbenzene	ND	1.0	0.33	1		Methylene Chloride	ND	10	4.3	1	
Carbon Tetrachloride	ND	0.50	0.32	1		4-Methyl-2-Pentanone	ND	10	3.7	1	
Chlorobenzene	ND	1.0	0.14	1		Naphthalene	ND	10	0.50	1	
Chloroethane	ND	1.0	0.69	1		1,2-Dichloroethane	ND	0.50	0.26	1	
n-Propylbenzene	ND	1.0	0.12	1		Chloroform	1.8	1.0	0.24	1	
Styrene	ND	1.0	0.29	1		1,1,1,2-Tetrachloroethane	ND	1.0	0.34	1	
2-Chlorotoluene	ND	1.0	0.18	1		1,1,2,2-Tetrachloroethane	ND	1.0	0.30	1	
4-Chlorotoluene	ND	1.0	0.27	1		Tetrachloroethene	2.7	1.0	0.35	1	
Dibromochloromethane	ND	1.0	0.41	1		1,2-Dibromo-3-Chloropropane	ND	5.0	3.2	1	
Ethylbenzene	ND	1.0	0.23	1		1,2,3-Trichlorobenzene	ND	1.0	0.43	1	
1,2-Dibromoethane	ND	1.0	0.49	1		1,2,4-Trichlorobenzene	ND	1.0	0.33	1	
Dibromomethane	ND	1.0	0.57	1		1,1,1-Trichloroethane	ND	1.0	0.26	1	
1,2-Dichlorobenzene	ND	1.0	0.33	1		Hexachloro-1,3-Butadiene	ND	20	0.45	1	
1,3-Dichlorobenzene	ND	1.0	0.23	1		1,1,2-Trichloroethane	ND	1.0	0.49	1	
1,4-Dichlorobenzene	1.6	1.0	0.22	1		Trichloroethene	1300	50	19	50	
Dichlorodifluoromethane	ND	1.0	0.89	1		Toluene	ND	1.0	0.27	1	
Trichlorofluoromethane	ND	10	0.21	1		1,1-Dichloroethane	1.1	1.0	0.27	1	
1,2,3-Trichloropropane	ND	5.0	1.4	1		1,2,4-Trimethylbenzene	ND	1.0	0.23	1	
1,1-Dichloroethene	0.82	1.0	0.29	1	J	1,3,5-Trimethylbenzene	ND	1.0	0.18	1	
c-1,2-Dichloroethene	330	50	18	50		Vinyl Chloride	1.7	0.50	0.36	1	
t-1,2-Dichloroethene	2.2	1.0	0.38	1		1,2-Dichloropropane	ND	1.0	0.36	1	
p/m-Xylene	ND	1.0	0.54	1		o-Xylene	ND	1.0	0.17	1	
Acrolein	ND	20	13	1		Methyl-t-Butyl Ether (MTBE)	0.41	1.0	0.26	1	J

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	115	74-140		1,2-Dichloroethane-d4	118	74-146	
Toluene-d8	101	88-112		1,4-Bromofluorobenzene	88	74-110	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

GeoSyntec Consultants		Date Received:	07/27/07
10875 Rancho Bernardo Road, Suite 200		Work Order No:	07-07-1931
San Diego, CA 92127-2116		Preparation:	EPA 5030B
		Method:	EPA 8260B
		Units:	ug/L
Project: SD Inactive Landfill / Poway			Page 12 of 22

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
POGW-22	**07-07-1931-12**	**07/27/07**	**Aqueous**	**GC/MS O**	**08/02/07**	**08/02/07**	**070802L01**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	21	50	6.3	1	J	Benzene	0.48	0.50	0.14	1	J
1,3-Dichloropropane	ND	1.0	0.26	1		Bromobenzene	ND	1.0	0.27	1	
2,2-Dichloropropane	ND	1.0	0.28	1		Bromochloromethane	ND	1.0	0.70	1	
1,1-Dichloropropene	ND	1.0	0.24	1		Bromodichloromethane	0.41	1.0	0.24	1	J
sec-Butylbenzene	ND	1.0	0.32	1		c-1,3-Dichloropropene	ND	0.50	0.31	1	
Bromoform	ND	1.0	0.66	1		t-1,3-Dichloropropene	ND	0.50	0.49	1	
Bromomethane	ND	10	5.1	1		Ethylbenzene	ND	1.0	0.23	1	
2-Butanone	ND	10	6.7	1		2-Hexanone	ND	10	5.4	1	
n-Butylbenzene	ND	1.0	0.29	1		Isopropylbenzene	ND	1.0	0.26	1	
p-Isopropyltoluene	ND	1.0	0.31	1		tert-Butylbenzene	ND	1.0	0.33	1	
Dibromomethane	ND	1.0	0.57	1		Methylene Chloride	ND	10	4.3	1	
Carbon Tetrachloride	ND	0.50	0.32	1		4-Methyl-2-Pentanone	ND	10	3.7	1	
Chlorobenzene	ND	1.0	0.14	1		Chloroethane	ND	1.0	0.69	1	
n-Propylbenzene	ND	1.0	0.12	1		Chloroform	0.34	1.0	0.24	1	J
Styrene	ND	1.0	0.29	1		Chloromethane	ND	10	0.63	1	
1,1,1,2-Tetrachloroethane	ND	1.0	0.34	1		2-Chlorotoluene	ND	1.0	0.18	1	
Acrylonitrile	ND	20	6.6	1		1,1,2,2-Tetrachloroethane	ND	1.0	0.30	1	
4-Chlorotoluene	ND	1.0	0.27	1		Tetrachloroethene	ND	1.0	0.35	1	
Dibromochloromethane	ND	1.0	0.41	1		Toluene	ND	1.0	0.27	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	3.2	1		1,2,3-Trichlorobenzene	ND	1.0	0.43	1	
1,2-Dibromoethane	ND	1.0	0.49	1		1,2,4-Trichlorobenzene	ND	1.0	0.33	1	
1,1,1-Trichloroethane	ND	1.0	0.26	1		1,2-Dichlorobenzene	ND	1.0	0.33	1	
Naphthalene	ND	10	0.50	1		Hexachloro-1,3-Butadiene	ND	20	0.45	1	
1,3-Dichlorobenzene	ND	1.0	0.23	1		1,1,2-Trichloroethane	ND	1.0	0.49	1	
1,4-Dichlorobenzene	ND	1.0	0.22	1		Dichlorodifluoromethane	1.3	1.0	0.89	1	
Trichlorofluoromethane	ND	10	0.21	1		1,1-Dichloroethane	ND	1.0	0.27	1	
1,2,3-Trichloropropane	ND	5.0	1.4	1		1,2-Dichloroethane	ND	0.50	0.26	1	
1,2,4-Trimethylbenzene	ND	1.0	0.23	1		1,1-Dichloroethene	ND	1.0	0.29	1	
Trichloroethene	6.5	1.0	0.37	1		1,3,5-Trimethylbenzene	ND	1.0	0.18	1	
c-1,2-Dichloroethene	0.44	1.0	0.35	1	J	Vinyl Chloride	ND	0.50	0.36	1	
t-1,2-Dichloroethene	ND	1.0	0.38	1		p/m-Xylene	ND	1.0	0.54	1	
1,2-Dichloropropane	ND	1.0	0.36	1		o-Xylene	ND	1.0	0.17	1	
Acrolein	ND	20	13	1		Methyl-t-Butyl Ether (MTBE)	14	1.0	0.26	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	105	74-140		1,2-Dichloroethane-d4	106	74-146	
Toluene-d8	100	88-112		1,4-Bromofluorobenzene	104	74-110	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

GeoSyntec Consultants		Date Received:	07/27/07
10875 Rancho Bernardo Road, Suite 200		Work Order No:	07-07-1931
San Diego, CA 92127-2116		Preparation:	EPA 5030B
		Method:	EPA 8260B
		Units:	ug/L
Project: SD Inactive Landfill / Poway			Page 13 of 22

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
QCFB	**07-07-1931-13**	**07/27/07**	**Aqueous**	**GC/MS BB**	**07/31/07**	**07/31/07**	**070731L01**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	50	6.3	1		Acrylonitrile	ND	20	6.6	1	
Benzene	ND	0.50	0.14	1		Bromochloromethane	ND	1.0	0.70	1	
1,3-Dichloropropane	ND	1.0	0.26	1		Bromobenzene	ND	1.0	0.27	1	
2,2-Dichloropropane	ND	1.0	0.28	1		1,1-Dichloropropene	ND	1.0	0.24	1	
Bromodichloromethane	ND	1.0	0.24	1		c-1,3-Dichloropropene	ND	0.50	0.31	1	
Bromoform	ND	1.0	0.66	1		t-1,3-Dichloropropene	ND	0.50	0.49	1	
Bromomethane	ND	10	5.1	1		2-Butanone	ND	10	6.7	1	
Chloromethane	ND	10	0.63	1		2-Hexanone	ND	10	5.4	1	
n-Butylbenzene	ND	1.0	0.29	1		Isopropylbenzene	ND	1.0	0.26	1	
sec-Butylbenzene	ND	1.0	0.32	1		p-Isopropyltoluene	ND	1.0	0.31	1	
tert-Butylbenzene	ND	1.0	0.33	1		Methylene Chloride	ND	10	4.3	1	
Carbon Tetrachloride	ND	0.50	0.32	1		4-Methyl-2-Pentanone	ND	10	3.7	1	
Chlorobenzene	ND	1.0	0.14	1		Naphthalene	ND	10	0.50	1	
Chloroethane	ND	1.0	0.69	1		1,2-Dichloroethane	ND	0.50	0.26	1	
n-Propylbenzene	ND	1.0	0.12	1		Chloroform	ND	1.0	0.24	1	
Styrene	ND	1.0	0.29	1		1,1,1,2-Tetrachloroethane	ND	1.0	0.34	1	
2-Chlorotoluene	ND	1.0	0.18	1		1,1,2,2-Tetrachloroethane	ND	1.0	0.30	1	
4-Chlorotoluene	ND	1.0	0.27	1		Tetrachloroethene	ND	1.0	0.35	1	
Dibromochloromethane	ND	1.0	0.41	1		1,2-Dibromo-3-Chloropropane	ND	5.0	3.2	1	
Ethylbenzene	ND	1.0	0.23	1		1,2,3-Trichlorobenzene	ND	1.0	0.43	1	
1,2-Dibromoethane	ND	1.0	0.49	1		1,2,4-Trichlorobenzene	ND	1.0	0.33	1	
Dibromomethane	ND	1.0	0.57	1		1,1,1-Trichloroethane	ND	1.0	0.26	1	
1,2-Dichlorobenzene	ND	1.0	0.33	1		Hexachloro-1,3-Butadiene	ND	20	0.45	1	
1,3-Dichlorobenzene	ND	1.0	0.23	1		1,1,2-Trichloroethane	ND	1.0	0.49	1	
1,4-Dichlorobenzene	ND	1.0	0.22	1		Trichloroethene	ND	1.0	0.37	1	
Dichlorodifluoromethane	ND	1.0	0.89	1		Toluene	ND	1.0	0.27	1	
Trichlorofluoromethane	ND	10	0.21	1		1,1-Dichloroethane	ND	1.0	0.27	1	
1,2,3-Trichloropropane	ND	5.0	1.4	1		1,2,4-Trimethylbenzene	ND	1.0	0.23	1	
1,1-Dichloroethene	ND	1.0	0.29	1		1,3,5-Trimethylbenzene	ND	1.0	0.18	1	
c-1,2-Dichloroethene	ND	1.0	0.35	1		Vinyl Chloride	ND	0.50	0.36	1	
t-1,2-Dichloroethene	ND	1.0	0.38	1		1,2-Dichloropropane	ND	1.0	0.36	1	
p/m-Xylene	ND	1.0	0.54	1		o-Xylene	ND	1.0	0.17	1	
Acrolein	ND	20	13	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.26	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	115	74-140		1,2-Dichloroethane-d4	118	74-146	
Toluene-d8	103	88-112		1,4-Bromofluorobenzene	93	74-110	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

GeoSyntec Consultants		Date Received:	07/27/07
10875 Rancho Bernardo Road, Suite 200		Work Order No:	07-07-1931
San Diego, CA 92127-2116		Preparation:	EPA 5030B
		Method:	EPA 8260B
		Units:	ug/L
Project: SD Inactive Landfill / Poway			Page 14 of 22

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
QCEB	**07-07-1931-14**	**07/27/07**	**Aqueous**	**GC/MS BB**	**07/31/07**	**07/31/07**	**070731L01**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	50	6.3	1		Benzene	ND	0.50	0.14	1	
1,3-Dichloropropane	ND	1.0	0.26	1		Bromobenzene	ND	1.0	0.27	1	
2,2-Dichloropropane	ND	1.0	0.28	1		Bromochloromethane	ND	1.0	0.70	1	
1,1-Dichloropropene	ND	1.0	0.24	1		Bromodichloromethane	ND	1.0	0.24	1	
sec-Butylbenzene	ND	1.0	0.32	1		c-1,3-Dichloropropene	ND	0.50	0.31	1	
Bromoform	ND	1.0	0.66	1		t-1,3-Dichloropropene	ND	0.50	0.49	1	
Bromomethane	ND	10	5.1	1		Ethylbenzene	ND	1.0	0.23	1	
2-Butanone	ND	10	6.7	1		2-Hexanone	ND	10	5.4	1	
n-Butylbenzene	ND	1.0	0.29	1		Isopropylbenzene	ND	1.0	0.26	1	
p-Isopropyltoluene	ND	1.0	0.31	1		tert-Butylbenzene	ND	1.0	0.33	1	
Dibromomethane	ND	1.0	0.57	1		Methylene Chloride	ND	10	4.3	1	
Carbon Tetrachloride	ND	0.50	0.32	1		4-Methyl-2-Pentanone	ND	10	3.7	1	
Chlorobenzene	ND	1.0	0.14	1		Chloroethane	ND	1.0	0.69	1	
n-Propylbenzene	ND	1.0	0.12	1		Chloroform	ND	1.0	0.24	1	
Styrene	ND	1.0	0.29	1		Chloromethane	ND	10	0.63	1	
1,1,1,2-Tetrachloroethane	ND	1.0	0.34	1		2-Chlorotoluene	ND	1.0	0.18	1	
Acrylonitrile	ND	20	6.6	1		1,1,2,2-Tetrachloroethane	ND	1.0	0.30	1	
4-Chlorotoluene	ND	1.0	0.27	1		Tetrachloroethene	ND	1.0	0.35	1	
Dibromochloromethane	ND	1.0	0.41	1		Toluene	ND	1.0	0.27	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	3.2	1		1,2,3-Trichlorobenzene	ND	1.0	0.43	1	
1,2-Dibromoethane	ND	1.0	0.49	1		1,2,4-Trichlorobenzene	ND	1.0	0.33	1	
1,1,1-Trichloroethane	ND	1.0	0.26	1		1,2-Dichlorobenzene	ND	1.0	0.33	1	
Naphthalene	ND	10	0.50	1		Hexachloro-1,3-Butadiene	ND	20	0.45	1	
1,3-Dichlorobenzene	ND	1.0	0.23	1		1,1,2-Trichloroethane	ND	1.0	0.49	1	
1,4-Dichlorobenzene	ND	1.0	0.22	1		Dichlorodifluoromethane	ND	1.0	0.89	1	
Trichlorofluoromethane	ND	10	0.21	1		1,1-Dichloroethane	ND	1.0	0.27	1	
1,2,3-Trichloropropane	ND	5.0	1.4	1		1,2-Dichloroethane	ND	0.50	0.26	1	
1,2,4-Trimethylbenzene	ND	1.0	0.23	1		1,1-Dichloroethene	ND	1.0	0.29	1	
Trichloroethene	ND	1.0	0.37	1		1,3,5-Trimethylbenzene	ND	1.0	0.18	1	
c-1,2-Dichloroethene	ND	1.0	0.35	1		Vinyl Chloride	ND	0.50	0.36	1	
t-1,2-Dichloroethene	ND	1.0	0.38	1		p/m-Xylene	ND	1.0	0.54	1	
1,2-Dichloropropane	ND	1.0	0.36	1		o-Xylene	ND	1.0	0.17	1	
Acrolein	ND	20	13	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.26	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	115	74-140		1,2-Dichloroethane-d4	121	74-146	
Toluene-d8	104	88-112		1,4-Bromofluorobenzene	92	74-110	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

GeoSyntec Consultants		Date Received:	07/27/07
10875 Rancho Bernardo Road, Suite 200		Work Order No:	07-07-1931
San Diego, CA 92127-2116		Preparation:	EPA 5030B
		Method:	EPA 8260B
		Units:	ug/L
Project: SD Inactive Landfill / Poway			Page 15 of 22

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
QCTB	**07-07-1931-15**	**07/27/07**	**Aqueous**	**GC/MS BB**	**07/31/07**	**07/31/07**	**070731L01**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	50	6.3	1		Acrylonitrile	ND	20	6.6	1	
Benzene	ND	0.50	0.14	1		Bromochloromethane	ND	1.0	0.70	1	
1,3-Dichloropropane	ND	1.0	0.26	1		Bromobenzene	ND	1.0	0.27	1	
2,2-Dichloropropane	ND	1.0	0.28	1		1,1-Dichloropropene	ND	1.0	0.24	1	
Bromodichloromethane	ND	1.0	0.24	1		c-1,3-Dichloropropene	ND	0.50	0.31	1	
Bromoform	ND	1.0	0.66	1		t-1,3-Dichloropropene	ND	0.50	0.49	1	
Bromomethane	ND	10	5.1	1		2-Butanone	ND	10	6.7	1	
Chloromethane	ND	10	0.63	1		2-Hexanone	ND	10	5.4	1	
n-Butylbenzene	ND	1.0	0.29	1		Isopropylbenzene	ND	1.0	0.26	1	
sec-Butylbenzene	ND	1.0	0.32	1		p-Isopropyltoluene	ND	1.0	0.31	1	
tert-Butylbenzene	ND	1.0	0.33	1		Methylene Chloride	ND	10	4.3	1	
Carbon Tetrachloride	ND	0.50	0.32	1		4-Methyl-2-Pentanone	ND	10	3.7	1	
Chlorobenzene	ND	1.0	0.14	1		Naphthalene	ND	10	0.50	1	
Chloroethane	ND	1.0	0.69	1		1,2-Dichloroethane	ND	0.50	0.26	1	
n-Propylbenzene	ND	1.0	0.12	1		Chloroform	ND	1.0	0.24	1	
Styrene	ND	1.0	0.29	1		1,1,1,2-Tetrachloroethane	ND	1.0	0.34	1	
2-Chlorotoluene	ND	1.0	0.18	1		1,1,2,2-Tetrachloroethane	ND	1.0	0.30	1	
4-Chlorotoluene	ND	1.0	0.27	1		Tetrachloroethene	ND	1.0	0.35	1	
Dibromochloromethane	ND	1.0	0.41	1		1,2-Dibromo-3-Chloropropane	ND	5.0	3.2	1	
Ethylbenzene	ND	1.0	0.23	1		1,2,3-Trichlorobenzene	ND	1.0	0.43	1	
1,2-Dibromoethane	ND	1.0	0.49	1		1,2,4-Trichlorobenzene	ND	1.0	0.33	1	
Dibromomethane	ND	1.0	0.57	1		1,1,1-Trichloroethane	ND	1.0	0.26	1	
1,2-Dichlorobenzene	ND	1.0	0.33	1		Hexachloro-1,3-Butadiene	ND	20	0.45	1	
1,3-Dichlorobenzene	ND	1.0	0.23	1		1,1,2-Trichloroethane	ND	1.0	0.49	1	
1,4-Dichlorobenzene	ND	1.0	0.22	1		Trichloroethene	ND	1.0	0.37	1	
Dichlorodifluoromethane	ND	1.0	0.89	1		Toluene	ND	1.0	0.27	1	
Trichlorofluoromethane	ND	10	0.21	1		1,1-Dichloroethane	ND	1.0	0.27	1	
1,2,3-Trichloropropane	ND	5.0	1.4	1		1,2,4-Trimethylbenzene	ND	1.0	0.23	1	
1,1-Dichloroethene	ND	1.0	0.29	1		1,3,5-Trimethylbenzene	ND	1.0	0.18	1	
c-1,2-Dichloroethene	ND	1.0	0.35	1		Vinyl Chloride	ND	0.50	0.36	1	
t-1,2-Dichloroethene	ND	1.0	0.38	1		1,2-Dichloropropane	ND	1.0	0.36	1	
p/m-Xylene	ND	1.0	0.54	1		o-Xylene	ND	1.0	0.17	1	
Acrolein	ND	20	13	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.26	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	113	74-140		1,2-Dichloroethane-d4	117	74-146	
Toluene-d8	104	88-112		1,4-Bromofluorobenzene	92	74-110	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

GeoSyntec Consultants		Date Received:	07/27/07
10875 Rancho Bernardo Road, Suite 200		Work Order No:	07-07-1931
San Diego, CA 92127-2116		Preparation:	EPA 5030B
		Method:	EPA 8260B
		Units:	ug/L
Project: SD Inactive Landfill / Poway			Page 16 of 22

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
POGW-13	**07-07-1931-16**	**07/26/07**	**Aqueous**	**GC/MS BB**	**07/31/07**	**07/31/07**	**070731L01**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	50	6.3	1		Benzene	ND	0.50	0.14	1	
1,3-Dichloropropane	ND	1.0	0.26	1		Bromobenzene	ND	1.0	0.27	1	
2,2-Dichloropropane	ND	1.0	0.28	1		Bromochloromethane	ND	1.0	0.70	1	
1,1-Dichloropropene	ND	1.0	0.24	1		Bromodichloromethane	ND	1.0	0.24	1	
sec-Butylbenzene	ND	1.0	0.32	1		c-1,3-Dichloropropene	ND	0.50	0.31	1	
Bromoform	ND	1.0	0.66	1		t-1,3-Dichloropropene	ND	0.50	0.49	1	
Bromomethane	ND	10	5.1	1		Ethylbenzene	ND	1.0	0.23	1	
2-Butanone	ND	10	6.7	1		2-Hexanone	ND	10	5.4	1	
n-Butylbenzene	ND	1.0	0.29	1		Isopropylbenzene	ND	1.0	0.26	1	
p-Isopropyltoluene	ND	1.0	0.31	1		tert-Butylbenzene	ND	1.0	0.33	1	
Dibromomethane	ND	1.0	0.57	1		Methylene Chloride	ND	10	4.3	1	
Carbon Tetrachloride	ND	0.50	0.32	1		4-Methyl-2-Pentanone	ND	10	3.7	1	
Chlorobenzene	ND	1.0	0.14	1		Chloroethane	ND	1.0	0.69	1	
n-Propylbenzene	ND	1.0	0.12	1		Chloroform	1.4	1.0	0.24	1	
Styrene	ND	1.0	0.29	1		Chloromethane	ND	10	0.63	1	
1,1,1,2-Tetrachloroethane	ND	1.0	0.34	1		2-Chlorotoluene	ND	1.0	0.18	1	
Acrylonitrile	ND	20	6.6	1		1,1,2,2-Tetrachloroethane	ND	1.0	0.30	1	
4-Chlorotoluene	ND	1.0	0.27	1		Tetrachloroethene	ND	1.0	0.35	1	
Dibromochloromethane	ND	1.0	0.41	1		Toluene	ND	1.0	0.27	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	3.2	1		1,2,3-Trichlorobenzene	ND	1.0	0.43	1	
1,2-Dibromoethane	ND	1.0	0.49	1		1,2,4-Trichlorobenzene	ND	1.0	0.33	1	
1,1,1-Trichloroethane	ND	1.0	0.26	1		1,2-Dichlorobenzene	ND	1.0	0.33	1	
Naphthalene	ND	10	0.50	1		Hexachloro-1,3-Butadiene	ND	20	0.45	1	
1,3-Dichlorobenzene	ND	1.0	0.23	1		1,1,2-Trichloroethane	ND	1.0	0.49	1	
1,4-Dichlorobenzene	ND	1.0	0.22	1		Dichlorodifluoromethane	ND	1.0	0.89	1	
Trichlorofluoromethane	ND	10	0.21	1		1,1-Dichloroethane	ND	1.0	0.27	1	
1,2,3-Trichloropropane	ND	5.0	1.4	1		1,2-Dichloroethane	ND	0.50	0.26	1	
1,2,4-Trimethylbenzene	ND	1.0	0.23	1		1,1-Dichloroethene	ND	1.0	0.29	1	
Trichloroethene	ND	1.0	0.37	1		1,3,5-Trimethylbenzene	ND	1.0	0.18	1	
c-1,2-Dichloroethene	ND	1.0	0.35	1		Vinyl Chloride	ND	0.50	0.36	1	
t-1,2-Dichloroethene	ND	1.0	0.38	1		p/m-Xylene	ND	1.0	0.54	1	
1,2-Dichloropropane	ND	1.0	0.36	1		o-Xylene	ND	1.0	0.17	1	
Acrolein	ND	20	13	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.26	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	113	74-140		1,2-Dichloroethane-d4	119	74-146	
Toluene-d8	105	88-112		1,4-Bromofluorobenzene	92	74-110	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

GeoSyntec Consultants		Date Received:	07/27/07
10875 Rancho Bernardo Road, Suite 200		Work Order No:	07-07-1931
San Diego, CA 92127-2116		Preparation:	EPA 5030B
		Method:	EPA 8260B
		Units:	ug/L
Project: SD Inactive Landfill / Poway			Page 17 of 22

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
POGW-18A	**07-07-1931-17**	**07/26/07**	**Aqueous**	**GC/MS BB**	**07/31/07**	**07/31/07**	**070731L01**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	50	6.3	1		Acrylonitrile	ND	20	6.6	1	
Benzene	ND	0.50	0.14	1		Bromochloromethane	ND	1.0	0.70	1	
1,3-Dichloropropane	ND	1.0	0.26	1		Bromobenzene	ND	1.0	0.27	1	
2,2-Dichloropropane	ND	1.0	0.28	1		1,1-Dichloropropene	ND	1.0	0.24	1	
Bromodichloromethane	2.1	1.0	0.24	1		c-1,3-Dichloropropene	ND	0.50	0.31	1	
Bromoform	ND	1.0	0.66	1		t-1,3-Dichloropropene	ND	0.50	0.49	1	
Bromomethane	ND	10	5.1	1		2-Butanone	ND	10	6.7	1	
Chloromethane	ND	10	0.63	1		2-Hexanone	ND	10	5.4	1	
n-Butylbenzene	ND	1.0	0.29	1		Isopropylbenzene	ND	1.0	0.26	1	
sec-Butylbenzene	ND	1.0	0.32	1		p-Isopropyltoluene	ND	1.0	0.31	1	
tert-Butylbenzene	ND	1.0	0.33	1		Methylene Chloride	ND	10	4.3	1	
Carbon Tetrachloride	ND	0.50	0.32	1		4-Methyl-2-Pentanone	ND	10	3.7	1	
Chlorobenzene	ND	1.0	0.14	1		Naphthalene	ND	10	0.50	1	
Chloroethane	ND	1.0	0.69	1		1,2-Dichloroethane	ND	0.50	0.26	1	
n-Propylbenzene	ND	1.0	0.12	1		Chloroform	2.1	1.0	0.24	1	
Styrene	ND	1.0	0.29	1		1,1,1,2-Tetrachloroethane	ND	1.0	0.34	1	
2-Chlorotoluene	ND	1.0	0.18	1		1,1,2,2-Tetrachloroethane	ND	1.0	0.30	1	
4-Chlorotoluene	ND	1.0	0.27	1		Tetrachloroethene	ND	1.0	0.35	1	
Dibromochloromethane	ND	1.0	0.41	1		1,2-Dibromo-3-Chloropropane	ND	5.0	3.2	1	
Ethylbenzene	ND	1.0	0.23	1		1,2,3-Trichlorobenzene	ND	1.0	0.43	1	
1,2-Dibromoethane	ND	1.0	0.49	1		1,2,4-Trichlorobenzene	ND	1.0	0.33	1	
Dibromomethane	ND	1.0	0.57	1		1,1,1-Trichloroethane	ND	1.0	0.26	1	
1,2-Dichlorobenzene	ND	1.0	0.33	1		Hexachloro-1,3-Butadiene	ND	20	0.45	1	
1,3-Dichlorobenzene	ND	1.0	0.23	1		1,1,2-Trichloroethane	ND	1.0	0.49	1	
1,4-Dichlorobenzene	ND	1.0	0.22	1		Trichloroethene	ND	1.0	0.37	1	
Dichlorodifluoromethane	ND	1.0	0.89	1		Toluene	ND	1.0	0.27	1	
Trichlorofluoromethane	ND	10	0.21	1		1,1-Dichloroethane	ND	1.0	0.27	1	
1,2,3-Trichloropropane	ND	5.0	1.4	1		1,2,4-Trimethylbenzene	ND	1.0	0.23	1	
1,1-Dichloroethene	ND	1.0	0.29	1		1,3,5-Trimethylbenzene	ND	1.0	0.18	1	
c-1,2-Dichloroethene	ND	1.0	0.35	1		Vinyl Chloride	ND	0.50	0.36	1	
t-1,2-Dichloroethene	ND	1.0	0.38	1		1,2-Dichloropropane	ND	1.0	0.36	1	
p/m-Xylene	ND	1.0	0.54	1		o-Xylene	ND	1.0	0.17	1	
Acrolein	ND	20	13	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.26	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	113	74-140		1,2-Dichloroethane-d4	120	74-146	
Toluene-d8	103	88-112		1,4-Bromofluorobenzene	92	74-110	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

GeoSyntec Consultants		Date Received:	07/27/07
10875 Rancho Bernardo Road, Suite 200		Work Order No:	07-07-1931
San Diego, CA 92127-2116		Preparation:	EPA 5030B
		Method:	EPA 8260B
		Units:	ug/L
Project: SD Inactive Landfill / Poway			Page 18 of 22

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
POGW-18B	**07-07-1931-18**	**07/26/07**	**Aqueous**	**GC/MS EE**	**07/31/07**	**08/01/07**	**070731L02**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	50	6.3	1		Benzene	ND	0.50	0.14	1	
1,3-Dichloropropane	ND	1.0	0.26	1		Bromobenzene	ND	1.0	0.27	1	
2,2-Dichloropropane	ND	1.0	0.28	1		Bromochloromethane	ND	1.0	0.70	1	
1,1-Dichloropropene	ND	1.0	0.24	1		Bromodichloromethane	ND	1.0	0.24	1	
sec-Butylbenzene	ND	1.0	0.32	1		c-1,3-Dichloropropene	ND	0.50	0.31	1	
Bromoform	ND	1.0	0.66	1		t-1,3-Dichloropropene	ND	0.50	0.49	1	
Bromomethane	ND	10	5.1	1		Ethylbenzene	ND	1.0	0.23	1	
2-Butanone	ND	10	6.7	1		2-Hexanone	ND	10	5.4	1	
n-Butylbenzene	ND	1.0	0.29	1		Isopropylbenzene	ND	1.0	0.26	1	
p-Isopropyltoluene	ND	1.0	0.31	1		tert-Butylbenzene	ND	1.0	0.33	1	
Dibromomethane	ND	1.0	0.57	1		Methylene Chloride	ND	10	4.3	1	
Carbon Tetrachloride	ND	0.50	0.32	1		4-Methyl-2-Pentanone	ND	10	3.7	1	
Chlorobenzene	ND	1.0	0.14	1		Chloroethane	ND	1.0	0.69	1	
n-Propylbenzene	ND	1.0	0.12	1		Chloroform	ND	1.0	0.24	1	
Styrene	ND	1.0	0.29	1		Chloromethane	ND	10	0.63	1	
1,1,1,2-Tetrachloroethane	ND	1.0	0.34	1		2-Chlorotoluene	ND	1.0	0.18	1	
Acrylonitrile	ND	20	6.6	1		1,1,2,2-Tetrachloroethane	ND	1.0	0.30	1	
4-Chlorotoluene	ND	1.0	0.27	1		Tetrachloroethene	ND	1.0	0.35	1	
Dibromochloromethane	ND	1.0	0.41	1		Toluene	ND	1.0	0.27	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	3.2	1		1,2,3-Trichlorobenzene	ND	1.0	0.43	1	
1,2-Dibromoethane	ND	1.0	0.49	1		1,2,4-Trichlorobenzene	ND	1.0	0.33	1	
1,1,1-Trichloroethane	ND	1.0	0.26	1		1,2-Dichlorobenzene	ND	1.0	0.33	1	
Naphthalene	ND	10	0.50	1		Hexachloro-1,3-Butadiene	ND	20	0.45	1	
1,3-Dichlorobenzene	ND	1.0	0.23	1		1,1,2-Trichloroethane	ND	1.0	0.49	1	
1,4-Dichlorobenzene	ND	1.0	0.22	1		Dichlorodifluoromethane	ND	1.0	0.89	1	
Trichlorofluoromethane	ND	10	0.21	1		1,1-Dichloroethane	ND	1.0	0.27	1	
1,2,3-Trichloropropane	ND	5.0	1.4	1		1,2-Dichloroethane	ND	0.50	0.26	1	
1,2,4-Trimethylbenzene	ND	1.0	0.23	1		1,1-Dichloroethene	ND	1.0	0.29	1	
Trichloroethene	ND	1.0	0.37	1		1,3,5-Trimethylbenzene	ND	1.0	0.18	1	
c-1,2-Dichloroethene	ND	1.0	0.35	1		Vinyl Chloride	ND	0.50	0.36	1	
t-1,2-Dichloroethene	ND	1.0	0.38	1		p/m-Xylene	ND	1.0	0.54	1	
1,2-Dichloropropane	ND	1.0	0.36	1		o-Xylene	ND	1.0	0.17	1	
Acrolein	ND	20	13	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.26	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	129	74-140		1,2-Dichloroethane-d4	132	74-146	
Toluene-d8	100	88-112		1,4-Bromofluorobenzene	86	74-110	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

GeoSyntec Consultants		Date Received:	07/27/07
10875 Rancho Bernardo Road, Suite 200		Work Order No:	07-07-1931
San Diego, CA 92127-2116		Preparation:	EPA 5030B
		Method:	EPA 8260B
		Units:	ug/L
Project: SD Inactive Landfill / Poway			Page 19 of 22

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
POGW-23	**07-07-1931-19**	**07/26/07**	**Aqueous**	**GC/MS EE**	**07/31/07**	**08/01/07**	**070731L02**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	50	6.3	1		Acrylonitrile	ND	20	6.6	1	
Benzene	ND	0.50	0.14	1		Bromochloromethane	ND	1.0	0.70	1	
1,3-Dichloropropane	ND	1.0	0.26	1		Bromobenzene	ND	1.0	0.27	1	
2,2-Dichloropropane	ND	1.0	0.28	1		1,1-Dichloropropene	ND	1.0	0.24	1	
Bromodichloromethane	ND	1.0	0.24	1		c-1,3-Dichloropropene	ND	0.50	0.31	1	
Bromoform	ND	1.0	0.66	1		t-1,3-Dichloropropene	ND	0.50	0.49	1	
Bromomethane	ND	10	5.1	1		2-Butanone	ND	10	6.7	1	
Chloromethane	ND	10	0.63	1		2-Hexanone	ND	10	5.4	1	
n-Butylbenzene	ND	1.0	0.29	1		Isopropylbenzene	ND	1.0	0.26	1	
sec-Butylbenzene	ND	1.0	0.32	1		p-Isopropyltoluene	ND	1.0	0.31	1	
tert-Butylbenzene	ND	1.0	0.33	1		Methylene Chloride	ND	10	4.3	1	
Carbon Tetrachloride	ND	0.50	0.32	1		4-Methyl-2-Pentanone	ND	10	3.7	1	
Chlorobenzene	ND	1.0	0.14	1		Naphthalene	ND	10	0.50	1	
Chloroethane	ND	1.0	0.69	1		1,2-Dichloroethane	ND	0.50	0.26	1	
n-Propylbenzene	ND	1.0	0.12	1		Chloroform	ND	1.0	0.24	1	
Styrene	ND	1.0	0.29	1		1,1,1,2-Tetrachloroethane	ND	1.0	0.34	1	
2-Chlorotoluene	ND	1.0	0.18	1		1,1,2,2-Tetrachloroethane	ND	1.0	0.30	1	
4-Chlorotoluene	ND	1.0	0.27	1		Tetrachloroethene	ND	1.0	0.35	1	
Dibromochloromethane	ND	1.0	0.41	1		1,2-Dibromo-3-Chloropropane	ND	5.0	3.2	1	
Ethylbenzene	ND	1.0	0.23	1		1,2,3-Trichlorobenzene	ND	1.0	0.43	1	
1,2-Dibromoethane	ND	1.0	0.49	1		1,2,4-Trichlorobenzene	ND	1.0	0.33	1	
Dibromomethane	ND	1.0	0.57	1		1,1,1-Trichloroethane	ND	1.0	0.26	1	
1,2-Dichlorobenzene	ND	1.0	0.33	1		Hexachloro-1,3-Butadiene	ND	20	0.45	1	
1,3-Dichlorobenzene	ND	1.0	0.23	1		1,1,2-Trichloroethane	ND	1.0	0.49	1	
1,4-Dichlorobenzene	ND	1.0	0.22	1		Trichloroethene	ND	1.0	0.37	1	
Dichlorodifluoromethane	ND	1.0	0.89	1		Toluene	ND	1.0	0.27	1	
Trichlorofluoromethane	ND	10	0.21	1		1,1-Dichloroethane	ND	1.0	0.27	1	
1,2,3-Trichloropropane	ND	5.0	1.4	1		1,2,4-Trimethylbenzene	ND	1.0	0.23	1	
1,1-Dichloroethene	ND	1.0	0.29	1		1,3,5-Trimethylbenzene	ND	1.0	0.18	1	
c-1,2-Dichloroethene	ND	1.0	0.35	1		Vinyl Chloride	ND	0.50	0.36	1	
t-1,2-Dichloroethene	ND	1.0	0.38	1		1,2-Dichloropropane	ND	1.0	0.36	1	
p/m-Xylene	ND	1.0	0.54	1		o-Xylene	ND	1.0	0.17	1	
Acrolein	ND	20	13	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.26	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	125	74-140		1,2-Dichloroethane-d4	128	74-146	
Toluene-d8	102	88-112		1,4-Bromofluorobenzene	86	74-110	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

GeoSyntec Consultants		Date Received:	07/27/07
10875 Rancho Bernardo Road, Suite 200		Work Order No:	07-07-1931
San Diego, CA 92127-2116		Preparation:	EPA 5030B
		Method:	EPA 8260B
		Units:	ug/L
Project: SD Inactive Landfill / Poway			Page 20 of 22

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
Method Blank	**099-10-006-22,280**	**N/A**	**Aqueous**	**GC/MS BB**	**07/31/07**	**07/31/07**	**070731L01**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	50	6.3	1		Benzene	ND	0.50	0.14	1	
1,3-Dichloropropane	ND	1.0	0.26	1		Bromobenzene	ND	1.0	0.27	1	
2,2-Dichloropropane	ND	1.0	0.28	1		Bromochloromethane	ND	1.0	0.70	1	
1,1-Dichloropropene	ND	1.0	0.24	1		Bromodichloromethane	ND	1.0	0.24	1	
sec-Butylbenzene	ND	1.0	0.32	1		c-1,3-Dichloropropene	ND	0.50	0.31	1	
Bromoform	ND	1.0	0.66	1		t-1,3-Dichloropropene	ND	0.50	0.49	1	
Bromomethane	ND	10	5.1	1		Ethylbenzene	ND	1.0	0.23	1	
2-Butanone	ND	10	6.7	1		2-Hexanone	ND	10	5.4	1	
n-Butylbenzene	ND	1.0	0.29	1		Isopropylbenzene	ND	1.0	0.26	1	
p-Isopropyltoluene	ND	1.0	0.31	1		tert-Butylbenzene	ND	1.0	0.33	1	
Dibromomethane	ND	1.0	0.57	1		Methylene Chloride	ND	10	4.3	1	
Carbon Tetrachloride	ND	0.50	0.32	1		4-Methyl-2-Pentanone	ND	10	3.7	1	
Chlorobenzene	ND	1.0	0.14	1		Chloroethane	ND	1.0	0.69	1	
n-Propylbenzene	ND	1.0	0.12	1		Chloroform	ND	1.0	0.24	1	
Styrene	ND	1.0	0.29	1		Chloromethane	ND	10	0.63	1	
1,1,1,2-Tetrachloroethane	ND	1.0	0.34	1		2-Chlorotoluene	ND	1.0	0.18	1	
Acrylonitrile	ND	20	6.6	1		1,1,2,2-Tetrachloroethane	ND	1.0	0.30	1	
4-Chlorotoluene	ND	1.0	0.27	1		Tetrachloroethene	ND	1.0	0.35	1	
Dibromochloromethane	ND	1.0	0.41	1		Toluene	ND	1.0	0.27	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	3.2	1		1,2,3-Trichlorobenzene	ND	1.0	0.43	1	
1,2-Dibromoethane	ND	1.0	0.49	1		1,2,4-Trichlorobenzene	ND	1.0	0.33	1	
1,1,1-Trichloroethane	ND	1.0	0.26	1		1,2-Dichlorobenzene	ND	1.0	0.33	1	
Naphthalene	ND	10	0.50	1		Hexachloro-1,3-Butadiene	ND	20	0.45	1	
1,3-Dichlorobenzene	ND	1.0	0.23	1		1,1,2-Trichloroethane	ND	1.0	0.49	1	
1,4-Dichlorobenzene	ND	1.0	0.22	1		Dichlorodifluoromethane	ND	1.0	0.89	1	
Trichlorofluoromethane	ND	10	0.21	1		1,1-Dichloroethane	ND	1.0	0.27	1	
1,2,3-Trichloropropane	ND	5.0	1.4	1		1,2-Dichloroethane	ND	0.50	0.26	1	
1,2,4-Trimethylbenzene	ND	1.0	0.23	1		1,1-Dichloroethene	ND	1.0	0.29	1	
Trichloroethene	ND	1.0	0.37	1		1,3,5-Trimethylbenzene	ND	1.0	0.18	1	
c-1,2-Dichloroethene	ND	1.0	0.35	1		Vinyl Chloride	ND	0.50	0.36	1	
t-1,2-Dichloroethene	ND	1.0	0.38	1		p/m-Xylene	ND	1.0	0.54	1	
1,2-Dichloropropane	ND	1.0	0.36	1		o-Xylene	ND	1.0	0.17	1	
Acrolein	ND	20	13	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.26	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	108	74-140		1,2-Dichloroethane-d4	112	74-146	
Toluene-d8	101	88-112		1,4-Bromofluorobenzene	94	74-110	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

GeoSyntec Consultants		Date Received:	07/27/07
10875 Rancho Bernardo Road, Suite 200		Work Order No:	07-07-1931
San Diego, CA 92127-2116		Preparation:	EPA 5030B
		Method:	EPA 8260B
		Units:	ug/L
Project: SD Inactive Landfill / Poway			Page 21 of 22

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
Method Blank	**099-10-006-22,290**	**N/A**	**Aqueous**	**GC/MS EE**	**07/31/07**	**08/01/07**	**070731L02**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	50	6.3	1		Benzene	ND	0.50	0.14	1	
1,3-Dichloropropane	ND	1.0	0.26	1		Bromobenzene	ND	1.0	0.27	1	
2,2-Dichloropropane	ND	1.0	0.28	1		Bromochloromethane	ND	1.0	0.70	1	
1,1-Dichloropropene	ND	1.0	0.24	1		Bromodichloromethane	ND	1.0	0.24	1	
sec-Butylbenzene	ND	1.0	0.32	1		c-1,3-Dichloropropene	ND	0.50	0.31	1	
Bromoform	ND	1.0	0.66	1		t-1,3-Dichloropropene	ND	0.50	0.49	1	
Bromomethane	ND	10	5.1	1		Ethylbenzene	ND	1.0	0.23	1	
2-Butanone	ND	10	6.7	1		2-Hexanone	ND	10	5.4	1	
n-Butylbenzene	ND	1.0	0.29	1		Isopropylbenzene	ND	1.0	0.26	1	
p-Isopropyltoluene	ND	1.0	0.31	1		tert-Butylbenzene	ND	1.0	0.33	1	
Dibromomethane	ND	1.0	0.57	1		Methylene Chloride	ND	10	4.3	1	
Carbon Tetrachloride	ND	0.50	0.32	1		4-Methyl-2-Pentanone	ND	10	3.7	1	
Chlorobenzene	ND	1.0	0.14	1		Chloroethane	ND	1.0	0.69	1	
n-Propylbenzene	ND	1.0	0.12	1		Chloroform	ND	1.0	0.24	1	
Styrene	ND	1.0	0.29	1		Chloromethane	ND	10	0.63	1	
1,1,1,2-Tetrachloroethane	ND	1.0	0.34	1		2-Chlorotoluene	ND	1.0	0.18	1	
Acrylonitrile	ND	20	6.6	1		1,1,2,2-Tetrachloroethane	ND	1.0	0.30	1	
4-Chlorotoluene	ND	1.0	0.27	1		Tetrachloroethene	ND	1.0	0.35	1	
Dibromochloromethane	ND	1.0	0.41	1		Toluene	ND	1.0	0.27	1	
1,2-Dibromo-3-Chloropropane	ND	5.0	3.2	1		1,2,3-Trichlorobenzene	0.69	1.0	0.43	1	J
1,2-Dibromoethane	ND	1.0	0.49	1		1,2,4-Trichlorobenzene	0.64	1.0	0.33	1	J
1,1,1-Trichloroethane	ND	1.0	0.26	1		1,2-Dichlorobenzene	ND	1.0	0.33	1	
Naphthalene	1.8	10	0.50	1	J	Hexachloro-1,3-Butadiene	ND	20	0.45	1	
1,3-Dichlorobenzene	ND	1.0	0.23	1		1,1,2-Trichloroethane	ND	1.0	0.49	1	
1,4-Dichlorobenzene	ND	1.0	0.22	1		Dichlorodifluoromethane	ND	1.0	0.89	1	
Trichlorofluoromethane	ND	10	0.21	1		1,1-Dichloroethane	ND	1.0	0.27	1	
1,2,3-Trichloropropane	ND	5.0	1.4	1		1,2-Dichloroethane	ND	0.50	0.26	1	
1,2,4-Trimethylbenzene	ND	1.0	0.23	1		1,1-Dichloroethene	ND	1.0	0.29	1	
Trichloroethene	ND	1.0	0.37	1		1,3,5-Trimethylbenzene	ND	1.0	0.18	1	
c-1,2-Dichloroethene	ND	1.0	0.35	1		Vinyl Chloride	ND	0.50	0.36	1	
t-1,2-Dichloroethene	ND	1.0	0.38	1		p/m-Xylene	ND	1.0	0.54	1	
1,2-Dichloropropane	ND	1.0	0.36	1		o-Xylene	ND	1.0	0.17	1	
Acrolein	ND	20	13	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.26	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	116	74-140		1,2-Dichloroethane-d4	116	74-146	
Toluene-d8	98	88-112		1,4-Bromofluorobenzene	88	74-110	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

GeoSyntec Consultants		Date Received:	07/27/07
10875 Rancho Bernardo Road, Suite 200		Work Order No:	07-07-1931
San Diego, CA 92127-2116		Preparation:	EPA 5030B
		Method:	EPA 8260B
		Units:	ug/L
Project: SD Inactive Landfill / Poway			Page 22 of 22

Client Sample Number	Lab Sample Number	Date Collected	Matrix	Instrument	Date Prepared	Date Analyzed	QC Batch ID
Method Blank	**099-10-006-22,324**	**N/A**	**Aqueous**	**GC/MS O**	**08/02/07**	**08/02/07**	**070802L01**

Comment(s): -Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Parameter	Result	RL	MDL	DF	Qual
Acetone	ND	50	6.3	1		Acrylonitrile	ND	20	6.6	1	
Benzene	ND	0.50	0.14	1		Bromochloromethane	ND	1.0	0.70	1	
1,3-Dichloropropane	ND	1.0	0.26	1		Bromobenzene	ND	1.0	0.27	1	
2,2-Dichloropropane	ND	1.0	0.28	1		1,1-Dichloropropene	ND	1.0	0.24	1	
Bromodichloromethane	ND	1.0	0.24	1		c-1,3-Dichloropropene	ND	0.50	0.31	1	
Bromoform	ND	1.0	0.66	1		t-1,3-Dichloropropene	ND	0.50	0.49	1	
Bromomethane	ND	10	5.1	1		2-Butanone	ND	10	6.7	1	
Chloromethane	ND	10	0.63	1		2-Hexanone	ND	10	5.4	1	
n-Butylbenzene	ND	1.0	0.29	1		Isopropylbenzene	ND	1.0	0.26	1	
sec-Butylbenzene	ND	1.0	0.32	1		p-Isopropyltoluene	ND	1.0	0.31	1	
tert-Butylbenzene	ND	1.0	0.33	1		Methylene Chloride	ND	10	4.3	1	
Carbon Tetrachloride	ND	0.50	0.32	1		4-Methyl-2-Pentanone	ND	10	3.7	1	
Chlorobenzene	ND	1.0	0.14	1		Naphthalene	ND	10	0.50	1	
Chloroethane	ND	1.0	0.69	1		1,2-Dichloroethane	ND	0.50	0.26	1	
n-Propylbenzene	ND	1.0	0.12	1		Chloroform	ND	1.0	0.24	1	
Styrene	ND	1.0	0.29	1		1,1,1,2-Tetrachloroethane	ND	1.0	0.34	1	
2-Chlorotoluene	ND	1.0	0.18	1		1,1,2,2-Tetrachloroethane	ND	1.0	0.30	1	
4-Chlorotoluene	ND	1.0	0.27	1		Tetrachloroethene	ND	1.0	0.35	1	
Dibromochloromethane	ND	1.0	0.41	1		1,2-Dibromo-3-Chloropropane	ND	5.0	3.2	1	
Ethylbenzene	ND	1.0	0.23	1		1,2,3-Trichlorobenzene	ND	1.0	0.43	1	
1,2-Dibromoethane	ND	1.0	0.49	1		1,2,4-Trichlorobenzene	ND	1.0	0.33	1	
Dibromomethane	ND	1.0	0.57	1		1,1,1-Trichloroethane	ND	1.0	0.26	1	
1,2-Dichlorobenzene	ND	1.0	0.33	1		Hexachloro-1,3-Butadiene	ND	20	0.45	1	
1,3-Dichlorobenzene	ND	1.0	0.23	1		1,1,2-Trichloroethane	ND	1.0	0.49	1	
1,4-Dichlorobenzene	ND	1.0	0.22	1		Trichloroethene	ND	1.0	0.37	1	
Dichlorodifluoromethane	ND	1.0	0.89	1		Toluene	ND	1.0	0.27	1	
Trichlorofluoromethane	ND	10	0.21	1		1,1-Dichloroethane	ND	1.0	0.27	1	
1,2,3-Trichloropropane	ND	5.0	1.4	1		1,2,4-Trimethylbenzene	ND	1.0	0.23	1	
1,1-Dichloroethene	ND	1.0	0.29	1		1,3,5-Trimethylbenzene	ND	1.0	0.18	1	
c-1,2-Dichloroethene	ND	1.0	0.35	1		Vinyl Chloride	ND	0.50	0.36	1	
t-1,2-Dichloroethene	ND	1.0	0.38	1		1,2-Dichloropropane	ND	1.0	0.36	1	
p/m-Xylene	ND	1.0	0.54	1		o-Xylene	ND	1.0	0.17	1	
Acrolein	ND	20	13	1		Methyl-t-Butyl Ether (MTBE)	ND	1.0	0.26	1	

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
Dibromofluoromethane	105	74-140		1,2-Dichloroethane-d4	108	74-146	
Toluene-d8	98	88-112		1,4-Bromofluorobenzene	104	74-110	

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

GeoSyntec Consultants		Date Received:	07/27/07
10875 Rancho Bernardo Road, Suite 200		Work Order No:	07-07-1931
San Diego, CA 92127-2116			

Project: SD Inactive Landfill / Poway

Client Sample Number	Lab Sample Number	Date Collected	Matrix
POGW-14	**07-07-1931-1**	**07/26/07**	**Aqueous**

Comment(s): (24) Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Sulfate	57	4.0	0.84	2		mg/L	N/A	08/01/07	ASTM D516-02
Chemical Oxygen Demand	12	5.0	3.5	1		mg/L	07/31/07	07/31/07	EPA 410.4
Bicarbonate (as CaCO3)	134	5.0	0.85	1		mg/L	N/A	07/30/07	SM 2320B
Carbonate (as CaCO3) (24)	ND	1.0	0.85	1		mg/L	N/A	07/30/07	SM 2320B
Solids, Total Dissolved	586	1.0	1.0	1		mg/L	N/A	07/30/07	SM 2540 C
Chloride	180	2.0	1.0	1		mg/L	N/A	07/27/07	SM 4500-Cl C
Nitrate (as N) (24)	0.062	0.10	0.029	1	J	mg/L	07/27/07	07/27/07	SM 4500-NO3 E/SM 4500-NO2 B

POGW-9	**07-07-1931-2**	**07/26/07**	**Aqueous**

Comment(s): (24) Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Sulfate	58	4.0	0.84	2		mg/L	N/A	08/01/07	ASTM D516-02
Chemical Oxygen Demand (24)	ND	5.0	3.5	1		mg/L	07/31/07	07/31/07	EPA 410.4
Bicarbonate (as CaCO3)	174	5.0	0.85	1		mg/L	N/A	07/30/07	SM 2320B
Carbonate (as CaCO3) (24)	ND	1.0	0.85	1		mg/L	N/A	07/30/07	SM 2320B
Solids, Total Dissolved	464	1.0	1.0	1		mg/L	N/A	07/30/07	SM 2540 C
Chloride	110	2.0	1.0	1		mg/L	N/A	07/27/07	SM 4500-Cl C
Nitrate (as N)	2.8	0.50	0.15	5		mg/L	07/27/07	07/27/07	SM 4500-NO3 E/SM 4500-NO2 B

POGW-6	**07-07-1931-3**	**07/26/07**	**Aqueous**

Comment(s): (24) Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Sulfate	160	10	2.1	5		mg/L	N/A	08/01/07	ASTM D516-02
Chemical Oxygen Demand (24)	ND	5.0	3.5	1		mg/L	07/31/07	07/31/07	EPA 410.4
Bicarbonate (as CaCO3)	178	5.0	0.85	1		mg/L	N/A	07/30/07	SM 2320B
Carbonate (as CaCO3) (24)	ND	1.0	0.85	1		mg/L	N/A	07/30/07	SM 2320B
Solids, Total Dissolved	837	1.0	1.0	1		mg/L	N/A	07/30/07	SM 2540 C
Chloride	240	2.0	1.0	1		mg/L	N/A	07/27/07	SM 4500-Cl C
Nitrate (as N)	4.4	0.50	0.15	5		mg/L	07/27/07	07/27/07	SM 4500-NO3 E/SM 4500-NO2 B

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

GeoSyntec Consultants		Date Received:	07/27/07
10875 Rancho Bernardo Road, Suite 200		Work Order No:	07-07-1931
San Diego, CA 92127-2116			

Project: SD Inactive Landfill / Poway

Client Sample Number	Lab Sample Number	Date Collected	Matrix
POGW-10	**07-07-1931-4**	**07/26/07**	**Aqueous**

Comment(s): (24) Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Sulfate	150	10	2.1	5		mg/L	N/A	08/01/07	ASTM D516-02
Chemical Oxygen Demand	10	5.0	3.5	1		mg/L	07/31/07	07/31/07	EPA 410.4
Bicarbonate (as CaCO3)	242	5.0	0.85	1		mg/L	N/A	07/30/07	SM 2320B
Carbonate (as CaCO3) (24)	ND	1.0	0.85	1		mg/L	N/A	07/30/07	SM 2320B
Solids, Total Dissolved	663	1.0	1.0	1		mg/L	N/A	07/30/07	SM 2540 C
Chloride	100	2.0	1.0	1		mg/L	N/A	07/27/07	SM 4500-Cl C
Nitrate (as N)	3.4	0.50	0.15	5		mg/L	07/27/07	07/27/07	SM 4500-NO3 E/SM 4500-NO2 B

POGW-16	**07-07-1931-5**	**07/26/07**	**Aqueous**

Comment(s): (24) Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Sulfate	72	4.0	0.84	2		mg/L	N/A	08/01/07	ASTM D516-02
Chemical Oxygen Demand	15	5.0	3.5	1		mg/L	07/31/07	07/31/07	EPA 410.4
Bicarbonate (as CaCO3)	358	5.0	0.85	1		mg/L	N/A	07/30/07	SM 2320B
Carbonate (as CaCO3) (24)	ND	1.0	0.85	1		mg/L	N/A	07/30/07	SM 2320B
Solids, Total Dissolved	683	1.0	1.0	1		mg/L	N/A	07/30/07	SM 2540 C
Chloride	130	2.0	1.0	1		mg/L	N/A	07/27/07	SM 4500-Cl C
Nitrate (as N)	2.0	0.50	0.15	5		mg/L	07/27/07	07/27/07	SM 4500-NO3 E/SM 4500-NO2 B

POGW-20	**07-07-1931-6**	**07/26/07**	**Aqueous**

Comment(s): (24) Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Sulfate	70	4.0	0.84	2		mg/L	N/A	08/01/07	ASTM D516-02
Chemical Oxygen Demand (24)	ND	5.0	3.5	1		mg/L	07/31/07	07/31/07	EPA 410.4
Bicarbonate (as CaCO3)	332	5.0	0.85	1		mg/L	N/A	07/30/07	SM 2320B
Carbonate (as CaCO3) (24)	ND	1.0	0.85	1		mg/L	N/A	07/30/07	SM 2320B
Solids, Total Dissolved	763	1.0	1.0	1		mg/L	N/A	07/30/07	SM 2540 C
Chloride	190	2.0	1.0	1		mg/L	N/A	07/27/07	SM 4500-Cl C
Nitrate (as N)	5.3	1.0	0.29	10		mg/L	07/27/07	07/27/07	SM 4500-NO3 E/SM 4500-NO2 B

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

GeoSyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127-2116

Date Received: 07/27/07
Work Order No: 07-07-1931

Project: SD Inactive Landfill / Poway

Client Sample Number	Lab Sample Number	Date Collected	Matrix
POGW-19	**07-07-1931-9**	**07/27/07**	**Aqueous**

Comment(s): (24) Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Sulfate	130	10	2.1	5		mg/L	N/A	08/01/07	ASTM D516-02
Chemical Oxygen Demand (24)	ND	5.0	3.5	1		mg/L	07/31/07	07/31/07	EPA 410.4
Bicarbonate (as CaCO3)	452	5.0	0.85	1		mg/L	N/A	07/30/07	SM 2320B
Carbonate (as CaCO3) (24)	ND	1.0	0.85	1		mg/L	N/A	07/30/07	SM 2320B
Solids, Total Dissolved	1260	10	1.0	1		mg/L	N/A	07/30/07	SM 2540 C
Chloride	330	4.0	2.0	2		mg/L	N/A	07/27/07	SM 4500-Cl C
Nitrate (as N)	0.50	0.10	0.029	1		mg/L	07/27/07	07/27/07	SM 4500-NO3 E/SM 4500-NO2 B

POGW-21	**07-07-1931-10**	**07/27/07**	**Aqueous**

Comment(s): (24) Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Sulfate	160	10	2.1	5		mg/L	N/A	08/01/07	ASTM D516-02
Chemical Oxygen Demand	5.0	5.0	3.5	1		mg/L	07/31/07	07/31/07	EPA 410.4
Bicarbonate (as CaCO3)	504	5.0	0.85	1		mg/L	N/A	07/30/07	SM 2320B
Carbonate (as CaCO3) (24)	ND	1.0	0.85	1		mg/L	N/A	07/30/07	SM 2320B
Solids, Total Dissolved	1380	10	1.0	1		mg/L	N/A	07/30/07	SM 2540 C
Chloride	340	4.0	2.0	2		mg/L	N/A	07/27/07	SM 4500-Cl C
Nitrate (as N)	3.2	0.50	0.15	5		mg/L	07/27/07	07/27/07	SM 4500-NO3 E/SM 4500-NO2 B

POPW-1	**07-07-1931-11**	**07/27/07**	**Aqueous**

Comment(s): (24) Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Sulfate	590	40	8.4	20		mg/L	N/A	08/01/07	ASTM D516-02
Chemical Oxygen Demand	13	5.0	3.5	1		mg/L	07/31/07	07/31/07	EPA 410.4
Bicarbonate (as CaCO3)	266	5.0	0.85	1		mg/L	N/A	07/30/07	SM 2320B
Carbonate (as CaCO3) (24)	ND	1.0	0.85	1		mg/L	N/A	07/30/07	SM 2320B
Solids, Total Dissolved	2570	10	1.0	1		mg/L	N/A	07/30/07	SM 2540 C
Chloride	690	10	5.0	5		mg/L	N/A	07/27/07	SM 4500-Cl C
Nitrate (as N)	7.9	1.0	0.29	10		mg/L	07/27/07	07/27/07	SM 4500-NO3 E/SM 4500-NO2 B

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

GeoSyntec Consultants		Date Received:	07/27/07
10875 Rancho Bernardo Road, Suite 200		Work Order No:	07-07-1931
San Diego, CA 92127-2116			

Project: SD Inactive Landfill / Poway

Client Sample Number	Lab Sample Number	Date Collected	Matrix
POGW-22	**07-07-1931-12**	**07/27/07**	**Aqueous**

Comment(s): (24) Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Sulfate	64	4.0	0.84	2		mg/L	N/A	08/01/07	ASTM D516-02
Chemical Oxygen Demand	12	5.0	3.5	1		mg/L	07/31/07	07/31/07	EPA 410.4
Bicarbonate (as CaCO3)	228	5.0	0.85	1		mg/L	N/A	07/30/07	SM 2320B
Carbonate (as CaCO3) (24)	ND	1.0	0.85	1		mg/L	N/A	07/30/07	SM 2320B
Solids, Total Dissolved	510	1.0	1.0	1		mg/L	N/A	07/30/07	SM 2540 C
Chloride	100	4.0	2.0	2		mg/L	N/A	07/27/07	SM 4500-Cl C
Nitrate (as N)	0.92	0.10	0.029	1		mg/L	07/27/07	07/27/07	SM 4500-NO3 E/SM 4500-NO2 B

QCEB	**07-07-1931-14**	**07/27/07**	**Aqueous**

Comment(s): (24) Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Sulfate (24)	1.5	2.0	0.42	1	J	mg/L	N/A	08/01/07	ASTM D516-02
Chemical Oxygen Demand (24)	ND	5.0	3.5	1		mg/L	07/31/07	07/31/07	EPA 410.4
Bicarbonate (as CaCO3) (24)	ND	1.0	0.85	1		mg/L	N/A	07/30/07	SM 2320B
Carbonate (as CaCO3) (24)	ND	1.0	0.85	1		mg/L	N/A	07/30/07	SM 2320B
Solids, Total Dissolved (24)	ND	1.0	1.0	1		mg/L	N/A	07/30/07	SM 2540 C
Chloride (24)	ND	2.0	1.0	1		mg/L	N/A	07/27/07	SM 4500-Cl C
Nitrate (as N) (24)	ND	0.10	0.029	1		mg/L	07/27/07	07/27/07	SM 4500-NO3 E/SM 4500-NO2 B

POGW-13	**07-07-1931-16**	**07/26/07**	**Aqueous**

Comment(s): (24) Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Sulfate	270	20	4.2	10		mg/L	N/A	08/01/07	ASTM D516-02
Chemical Oxygen Demand (24)	ND	5.0	3.5	1		mg/L	07/31/07	07/31/07	EPA 410.4
Bicarbonate (as CaCO3)	214	5.0	0.85	1		mg/L	N/A	07/30/07	SM 2320B
Carbonate (as CaCO3) (24)	ND	1.0	0.85	1		mg/L	N/A	07/30/07	SM 2320B
Solids, Total Dissolved	987	1.0	1.0	1		mg/L	N/A	07/30/07	SM 2540 C
Chloride	160	2.0	1.0	1		mg/L	N/A	07/27/07	SM 4500-Cl C
Nitrate (as N)	6.4	1.0	0.29	10		mg/L	07/27/07	07/27/07	SM 4500-NO3 E/SM 4500-NO2 B

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

GeoSyntec Consultants		Date Received:	07/27/07
10875 Rancho Bernardo Road, Suite 200		Work Order No:	07-07-1931
San Diego, CA 92127-2116			

Project: SD Inactive Landfill / Poway

Client Sample Number	Lab Sample Number	Date Collected	Matrix
POGW-18A	**07-07-1931-17**	**07/26/07**	**Aqueous**

Comment(s): (24) Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Sulfate	230	20	4.2	10		mg/L	N/A	08/01/07	ASTM D516-02
Chemical Oxygen Demand (24)	ND	5.0	3.5	1		mg/L	07/31/07	07/31/07	EPA 410.4
Bicarbonate (as CaCO3)	170	5.0	0.85	1		mg/L	N/A	07/30/07	SM 2320B
Carbonate (as CaCO3) (24)	ND	1.0	0.85	1		mg/L	N/A	07/30/07	SM 2320B
Solids, Total Dissolved	753	1.0	1.0	1		mg/L	N/A	07/30/07	SM 2540 C
Chloride	120	2.0	1.0	1		mg/L	N/A	07/27/07	SM 4500-Cl C
Nitrate (as N)	2.1	0.50	0.15	5		mg/L	07/27/07	07/27/07	SM 4500-NO3 E/SM 4500-NO2 B

POGW-18B	**07-07-1931-18**	**07/26/07**	**Aqueous**

Comment(s): (24) Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Sulfate	240	20	4.2	10		mg/L	N/A	08/01/07	ASTM D516-02
Chemical Oxygen Demand (24)	ND	5.0	3.5	1		mg/L	07/31/07	07/31/07	EPA 410.4
Bicarbonate (as CaCO3)	216	5.0	0.85	1		mg/L	N/A	07/30/07	SM 2320B
Carbonate (as CaCO3) (24)	ND	1.0	0.85	1		mg/L	N/A	07/30/07	SM 2320B
Solids, Total Dissolved	773	1.0	1.0	1		mg/L	N/A	07/30/07	SM 2540 C
Chloride	120	2.0	1.0	1		mg/L	N/A	07/27/07	SM 4500-Cl C
Nitrate (as N)	4.1	0.50	0.15	5		mg/L	07/27/07	07/27/07	SM 4500-NO3 E/SM 4500-NO2 B

POGW-23	**07-07-1931-19**	**07/26/07**	**Aqueous**

Comment(s): (24) Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Sulfate	170	10	2.1	5		mg/L	N/A	08/01/07	ASTM D516-02
Chemical Oxygen Demand (24)	ND	5.0	3.5	1		mg/L	07/31/07	07/31/07	EPA 410.4
Bicarbonate (as CaCO3)	236	5.0	0.85	1		mg/L	N/A	07/30/07	SM 2320B
Carbonate (as CaCO3) (24)	ND	1.0	0.85	1		mg/L	N/A	07/30/07	SM 2320B
Solids, Total Dissolved	1170	10	1.0	1		mg/L	N/A	07/30/07	SM 2540 C
Chloride	410	10	5.0	5		mg/L	N/A	07/27/07	SM 4500-Cl C
Nitrate (as N)	7.9	1.0	0.29	10		mg/L	07/27/07	07/27/07	SM 4500-NO3 E/SM 4500-NO2 B

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

GeoSyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127-2116

Date Received: 07/27/07
Work Order No: 07-07-1931

Project: SD Inactive Landfill / Poway

Client Sample Number	Lab Sample Number	Date Collected	Matrix
Method Blank		**N/A**	**Aqueous**

Comment(s): (24) Results were evaluated to the MDL, concentrations >= to the MDL but < RL, if found, are qualified with a "J" flag.

Parameter	Result	RL	MDL	DF	Qual	Units	Date Prepared	Date Analyzed	Method
Sulfate (24)	ND	2.0	0.42	1		mg/L	N/A	08/01/07	ASTM D516-02
Chemical Oxygen Demand (24)	ND	5.0	3.5	1		mg/L	07/31/07	07/31/07	EPA 410.4
Bicarbonate (as CaCO3)	ND	1.0	0.85	1		mg/L	N/A	07/30/07	SM 2320B
Carbonate (as CaCO3)	ND	1.0	0.85	1		mg/L	N/A	07/30/07	SM 2320B
Solids, Total Dissolved (24)	ND	1.0	1.0	1		mg/L	N/A	07/30/07	SM 2540 C
Chloride (24)	ND	2.0	1.0	1		mg/L	N/A	07/27/07	SM 4500-Cl C
Nitrate (as N) (24)	ND	0.10	0.029	1		mg/L	07/27/07	07/27/07	SM 4500-NO3 E/SM 4500-NO2 B

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

GeoSyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127-2116

Date Received:	07/27/07
Work Order No:	07-07-1931
Preparation:	EPA 3005A Filt.
Method:	EPA 6010B

Project SD Inactive Landfill / Poway

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
POGW-14	**Aqueous**	**ICP 5300**	**07/31/07**	**07/31/07**	**070731S04**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Calcium	4X	4X	77-113	4X	0-11	Q
Magnesium	4X	4X	56-140	4X	0-11	Q
Potassium	105	105	83-131	0	0-7	
Sodium	4X	4X	73-127	4X	0-9	Q

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

GeoSyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127-2116

Date Received:	07/27/07
Work Order No:	07-07-1931
Preparation:	EPA 5030B
Method:	EPA 8260B

Project SD Inactive Landfill / Poway

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
POGW-13	**Aqueous**	**GC/MS BB**	**07/31/07**	**07/31/07**	**070731S01**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	88	88	88-118	1	0-7	
Carbon Tetrachloride	84	85	67-145	0	0-11	
Chlorobenzene	90	88	88-118	2	0-7	
1,2-Dibromoethane	95	93	70-130	3	0-30	
1,2-Dichlorobenzene	91	90	86-116	1	0-8	
1,1-Dichloroethene	87	87	70-130	0	0-25	
Ethylbenzene	91	90	70-130	2	0-30	
Toluene	90	89	87-123	1	0-8	
Trichloroethene	84	84	79-127	0	0-10	
Vinyl Chloride	84	85	69-129	1	0-13	
Methyl-t-Butyl Ether (MTBE)	91	92	71-131	1	0-13	
Tert-Butyl Alcohol (TBA)	67	70	36-168	3	0-45	
Diisopropyl Ether (DIPE)	97	98	81-123	0	0-9	
Ethyl-t-Butyl Ether (ETBE)	95	97	72-126	2	0-12	
Tert-Amyl-Methyl Ether (TAME)	98	98	72-126	1	0-12	
Ethanol	85	80	53-149	7	0-31	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

GeoSyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127-2116

Date Received: 07/27/07
Work Order No: 07-07-1931
Preparation: EPA 5030B
Method: EPA 8260B

Project SD Inactive Landfill / Poway

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
POGW-14	**Aqueous**	**GC/MS EE**	**07/31/07**	**08/01/07**	**070731S02**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	99	94	88-118	5	0-7	
Carbon Tetrachloride	94	92	67-145	1	0-11	
Chlorobenzene	98	95	88-118	3	0-7	
1,2-Dibromoethane	108	108	70-130	0	0-30	
1,2-Dichlorobenzene	97	99	86-116	2	0-8	
1,1-Dichloroethene	88	85	70-130	4	0-25	
Ethylbenzene	98	96	70-130	3	0-30	
Toluene	97	93	87-123	4	0-8	
Trichloroethene	92	83	79-127	6	0-10	
Vinyl Chloride	76	71	69-129	7	0-13	
Methyl-t-Butyl Ether (MTBE)	110	111	71-131	1	0-13	
Tert-Butyl Alcohol (TBA)	93	95	36-168	3	0-45	
Diisopropyl Ether (DIPE)	109	109	81-123	0	0-9	
Ethyl-t-Butyl Ether (ETBE)	105	108	72-126	3	0-12	
Tert-Amyl-Methyl Ether (TAME)	114	114	72-126	1	0-12	
Ethanol	82	78	53-149	5	0-31	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

GeoSyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127-2116

Date Received: 07/27/07
Work Order No: 07-07-1931
Preparation: EPA 5030B
Method: EPA 8260B

Project SD Inactive Landfill / Poway

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	MS/MSD Batch Number
POGW-22	**Aqueous**	**GC/MS O**	**08/02/07**	**08/02/07**	**070802S01**

Parameter	MS %REC	MSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	103	105	88-118	2	0-7	
Carbon Tetrachloride	109	114	67-145	5	0-11	
Chlorobenzene	104	105	88-118	1	0-7	
1,2-Dibromoethane	122	123	70-130	0	0-30	
1,2-Dichlorobenzene	105	106	86-116	0	0-8	
1,1-Dichloroethene	103	103	70-130	0	0-25	
Ethylbenzene	108	109	70-130	1	0-30	
Toluene	109	110	87-123	1	0-8	
Trichloroethene	105	106	79-127	1	0-10	
Vinyl Chloride	98	96	69-129	1	0-13	
Methyl-t-Butyl Ether (MTBE)	113	108	71-131	3	0-13	
Tert-Butyl Alcohol (TBA)	148	156	36-168	6	0-45	
Diisopropyl Ether (DIPE)	105	105	81-123	0	0-9	
Ethyl-t-Butyl Ether (ETBE)	109	108	72-126	0	0-12	
Tert-Amyl-Methyl Ether (TAME)	111	110	72-126	1	0-12	
Ethanol	105	106	53-149	1	0-31	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Spike/Spike Duplicate

GeoSyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127-2116

Date Received: N/A
Work Order No: 07-07-1931

Project: SD Inactive Landfill / Poway

Matrix: Aqueous

Parameter	Method	Quality Control Sample ID	Date Analyzed	Date Extracted	MS% REC	MSD % REC	%REC CL	RPD	RPD CL	Qualifiers
Sulfate	ASTM D516-02	POGW-23	08/01/07	N/A	90	92	70-130	1	0-25	
Nitrate (as N)	SM 4500-NO3 E/SM 4500-NO2 B	POGW-14	07/27/07	7/27/07	82	82	70-130	0	0-25	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Duplicate

GeoSyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127-2116

Date Received: N/A
Work Order No: 07-07-1931

Project: SD Inactive Landfill / Poway

Matrix: Aqueous

Parameter	Method	QC Sample ID	Date Analyzed	Sample Conc	DUP Conc	RPD	RPD CL	Qualifiers
Chloride	SM 4500-Cl C	POGW-14	07/27/07	180	180	0	0-25	
Alkalinity, Total (as CaCO3)	SM 2320B	07-07-1980-1	07/30/07	15600	15500	1	0-25	
Bicarbonate (as CaCO3)	SM 2320B	07-07-1980-1	07/30/07	15400	15300	1	0-25	
Carbonate (as CaCO3)	SM 2320B	07-07-1980-1	07/30/07	220	220	0	0-25	
Hydroxide (as CaCO3)	SM 2320B	07-07-1980-1	07/30/07	ND	ND	NA	0-25	
Chemical Oxygen Demand	EPA 410.4	POGW-14	07/31/07	12	11	9	0-25	
Solids, Total Dissolved	SM 2540 C	POGW-19	07/30/07	1260	1240	2	0-20	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Laboratory Control Sample

GeoSyntec Consultants		Date Received:	N/A
10875 Rancho Bernardo Road, Suite 200		Work Order No:	07-07-1931
San Diego, CA 92127-2116		Preparation:	EPA 3005A Filt.
		Method:	EPA 6010B

Project: SD Inactive Landfill / Poway

Quality Control Sample ID	Matrix	Instrument	Date Analyzed	Lab File ID	LCS Batch Number
097-01-003-7,394	**Aqueous**	**ICP 5300**	**07/31/07**	**070731-I-04**	**070731L04F**

Parameter	Conc Added	Conc Recovered	LCS %Rec	%Rec CL	Qualifiers
Calcium	0.500	0.538	108	80-120	
Magnesium	0.500	0.505	101	80-120	
Potassium	5.00	5.31	106	80-120	
Sodium	5.00	5.21	104	80-120	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

GeoSyntec Consultants		Date Received:	N/A
10875 Rancho Bernardo Road, Suite 200		Work Order No:	07-07-1931
San Diego, CA 92127-2116		Preparation:	EPA 5030B
		Method:	EPA 8260B

Project: SD Inactive Landfill / Poway

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-10-006-22,280	**Aqueous**	**GC/MS BB**	**07/31/07**	**07/31/07**	**070731L01**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	99	99	84-120	0	0-8	
Carbon Tetrachloride	97	99	63-147	3	0-10	
Chlorobenzene	100	99	89-119	1	0-7	
1,2-Dibromoethane	102	100	80-120	2	0-20	
1,2-Dichlorobenzene	100	99	89-119	0	0-9	
1,1-Dichloroethene	101	102	77-125	2	0-16	
Ethylbenzene	102	101	80-120	1	0-20	
Toluene	99	98	83-125	1	0-9	
Trichloroethene	99	101	89-119	2	0-8	
Vinyl Chloride	93	95	63-135	2	0-13	
Methyl-t-Butyl Ether (MTBE)	95	98	82-118	3	0-13	
Tert-Butyl Alcohol (TBA)	103	109	46-154	6	0-32	
Diisopropyl Ether (DIPE)	103	104	81-123	1	0-11	
Ethyl-t-Butyl Ether (ETBE)	99	102	74-122	3	0-12	
Tert-Amyl-Methyl Ether (TAME)	103	101	76-124	2	0-10	
Ethanol	101	107	60-138	6	0-32	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

GeoSyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127-2116

Date Received:	N/A
Work Order No:	07-07-1931
Preparation:	EPA 5030B
Method:	EPA 8260B

Project: SD Inactive Landfill / Poway

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-10-006-22,290	**Aqueous**	**GC/MS EE**	**07/31/07**	**07/31/07**	**070731L02**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	107	101	84-120	6	0-8	
Carbon Tetrachloride	110	104	63-147	6	0-10	
Chlorobenzene	104	100	89-119	4	0-7	
1,2-Dibromoethane	113	110	80-120	3	0-20	
1,2-Dichlorobenzene	103	100	89-119	3	0-9	
1,1-Dichloroethene	105	99	77-125	6	0-16	
Ethylbenzene	109	103	80-120	6	0-20	
Toluene	105	101	83-125	4	0-9	
Trichloroethene	111	105	89-119	5	0-8	
Vinyl Chloride	87	84	63-135	4	0-13	
Methyl-t-Butyl Ether (MTBE)	110	109	82-118	1	0-13	
Tert-Butyl Alcohol (TBA)	122	113	46-154	8	0-32	
Diisopropyl Ether (DIPE)	112	111	81-123	1	0-11	
Ethyl-t-Butyl Ether (ETBE)	109	108	74-122	1	0-12	
Tert-Amyl-Methyl Ether (TAME)	115	113	76-124	1	0-10	
Ethanol	106	95	60-138	11	0-32	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

GeoSyntec Consultants		Date Received:	N/A
10875 Rancho Bernardo Road, Suite 200		Work Order No:	07-07-1931
San Diego, CA 92127-2116		Preparation:	EPA 5030B
		Method:	EPA 8260B

Project: SD Inactive Landfill / Poway

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
099-10-006-22,324	**Aqueous**	**GC/MS O**	**08/02/07**	**08/02/07**	**070802L01**

Parameter	LCS %REC	LCSD %REC	%REC CL	RPD	RPD CL	Qualifiers
Benzene	102	102	84-120	0	0-8	
Carbon Tetrachloride	117	114	63-147	2	0-10	
Chlorobenzene	103	106	89-119	3	0-7	
1,2-Dibromoethane	120	120	80-120	0	0-20	
1,2-Dichlorobenzene	104	106	89-119	2	0-9	
1,1-Dichloroethene	101	100	77-125	2	0-16	
Ethylbenzene	106	110	80-120	4	0-20	
Toluene	104	109	83-125	4	0-9	
Trichloroethene	106	105	89-119	0	0-8	
Vinyl Chloride	80	81	63-135	1	0-13	
Methyl-t-Butyl Ether (MTBE)	98	105	82-118	7	0-13	
Tert-Butyl Alcohol (TBA)	152	133	46-154	13	0-32	
Diisopropyl Ether (DIPE)	101	101	81-123	0	0-11	
Ethyl-t-Butyl Ether (ETBE)	105	105	74-122	0	0-12	
Tert-Amyl-Methyl Ether (TAME)	105	106	76-124	1	0-10	
Ethanol	124	92	60-138	30	0-32	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - Laboratory Control Sample

GeoSyntec Consultants
10875 Rancho Bernardo Road, Suite 200
San Diego, CA 92127-2116

Date Received: N/A
Work Order No: 07-07-1931

Project: SD Inactive Landfill / Poway

Matrix : Aqueous

Parameter	Method	Quality Control Sample ID	Date Analyzed	Date Extracted	Conc Added	Conc Recovered	LCS %Rec	%Rec CL	Qualifiers
Sulfate	ASTM D516-02	099-05-091-1,404	08/01/07	N/A	20.0	21.8	109	80-120	
Nitrate (as N)	SM 4500-NO3 E/SM 4500-NO2 B	099-04-011-484	07/27/07	07/27/07	0.500	0.482	96	80-120	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 07-07-1931

Qualifier	Definition
*	See applicable analysis comment.
1	Surrogate compound recovery was out of control due to a required sample dilution, therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike or Matrix Spike Duplicate compound was out of control due to matrix interference. The associated LCS and/or LCSD was in control and, therefore, the sample data was reported without further clarification.
4	The MS/MSD RPD was out of control due to matrix interference. The LCS/LCSD RPD was in control and, therefore, the sample data was reported without further clarification.
5	The PDS/PDSD associated with this batch of samples was out of control due to a matrix interference effect. The associated batch LCS/LCSD was in control and, hence, the associated sample data was reported with no further corrective action required.
A	Result is the average of all dilutions, as defined by the method.
B	Analyte was present in the associated method blank.
C	Analyte presence was not confirmed on primary column.
E	Concentration exceeds the calibration range.
H	Sample received and/or analyzed past the recommended holding time.
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
N	Nontarget Analyte.
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
U	Undetected at the laboratory method detection limit.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.

Document Number: 2046 (1931)

Analysis Request and Chain of Custody Record

Page 1 of 2

Project Name: SD County Inactive Landfills	Project Number: Poway Landfill
Samplers Names: Rory Klinger / Walter Craig	Project Contact: D. Skipper
Laboratory Name: Cal Science Env. Labs	Lab Contact: S. Nowak
Lab Address: 7440 Lincoln Way, Garden Grove, CA	Lab Phone: 714-
	Carrier/Waybill No.: Lab Courier

Required Analyses: VOCs by 8260; Metals + Gen Chem; SVOCs by 8270; COD; TDS

White copy: to accompany samples

Yellow copy: field copy

Bottle Type and Volume/Preservative: VOA HCl; Poly None; Glass H_2SO_4; Poly None

	Sample Name	Date	Time	Sample Type	VOA HCl	Poly None		Glass H_2SO_4	Poly None						Comments	Lab Use Only: Condition of Bottles
1	POGW-14	7/26/07	1206	H_2O	3	1		1	1							
2	POGW-9		1225		3	1		1	1							
3	POGW-6		1149		3	1		1	1							
4	POGW-10		1458		3	1		1	1							
5	POGW-16		1518		3	1		1	1							
6	POGW-20		1419		3	1		1	1							
7	QCFB		1530		2											
8	QCTB	7/26/07	—		2											
9	POGW-19	7/27/07	0906		3	1		1	1							
10	POGW-21		1124		3	1		1	1							
11	POPW-1		1415		3	1		1	1							
12	POGW-22	7/27/07	1441	H_2O	3	1		1	1							

Special Instructions: Filter + Preserve Metals upon receipt
Gen. Chem: HCO_3, CO_3, Cl, NO_3 (as N), SO_4
Metals: Ca, Mg, K, Na

EDF

Turn-around Time: ☒ Normal ☐ Rush: _____

1. Relinquished by (Signature/Affiliation) BBCE	Date 7-27-7 Time 1540
2. Relinquished by (Signature/Affiliation)	Date 7-27-7 Time 1750
3. Relinquished by (Signature/Affiliation)	Date Time
1. Received by (Signature/Affiliation)	Date 7/27/7 Time 1540
2. Received by (Signature/Affiliation)	Date 7-27-7 Time 1750
3. Received by (Signature/Affiliation)	Date Time

Geosyntec consultants
10875 Rancho Bernardo Road, Suite 200, San Diego, CA 92127 (858) 674-6559 Fax: (858) 674-6586

Document Number: 2047 (1931)

Analysis Request and Chain of Custody Record

Page 2 of 2

Project Name	Project Number
SD County Inactive Landfills	Poway Landfill
Samplers Names: Rory Klinger / Walter Craig	Project Contact: D. Skiggon
Laboratory Name: Cal Science Env. Labs	Lab Contact: S. Nowak
Lab Address: 7440 Lincoln Way, Garden Grove, CA	Lab Phone: 714
	Carrier/Waybill No.: Lab Courier

White copy: to accompany samples

Yellow copy: field copy

	Sample Name	Date	Time	Sample Type	VOCs by 8260 (VOA HCl)	Metals + Gen. Chem. (Poly None)	SVOCs by 8270	COD (Glass H2SO4)	TDS (Poly None)						Comments	Lab Use Only: Condition of Bottles
					Bottle Type and Volume/Preservative											
					Number of Containers											
13	QCFB	7/27/07	1501	H_2O	2											
14	QCEB	7/27/07	1510	↑	3	1		1	1							
15	QCTB	7/27/07	—		2											
16	POGW-13	7/26/07	1132		3	1		1	1							
17	POGW-18A	↑	1022		3	1		1	1							
18	POGW-18B	↓	1212	↓	3	1		1	1							
19	POGW-23	7/26/07	0956	H_2O	3	1		1	1							

Special Instructions: Filter + Preserve Metals upon receipt
Gen Chem: HCO_3, CO_3, Cl, NO_3 (as N), SO_4
Metals: Ca, Mg, K, Na

EDF

Turn-around Time: ☒ Normal ☐ Rush: _____

1. Relinquished by (Signature/Affiliation) BBCEnv.	Date 7/27/7 Time 1540	1. Received by (Signature/Affiliation) CEL	Date 7-27-7 Time 1540
2. Relinquished by (Signature/Affiliation)	Date 7-27-7 Time 1750	2. Received by (Signature/Affiliation)	Date 7-27-7 Time 1750
3. Relinquished by (Signature/Affiliation)	Date Time	3. Received by (Signature/Affiliation)	Date Time

Geosyntec consultants 10875 Rancho Bernardo Road, Suite 200, San Diego, CA 92127 (858) 674-6559 Fax: (858) 674-6586

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 07 - 0 7 - 1 9 5 1

Cooler 1 of 3

SAMPLE RECEIPT FORM

CLIENT: Geosyntec DATE: 7-27-7

TEMPERATURE – SAMPLES RECEIVED BY:

CALSCIENCE COURIER:

_____ Chilled, cooler with temperature blank provided.
_____ Chilled, cooler without temperature blank.
✓ Chilled and placed in cooler with wet ice.
_____ Ambient and placed in cooler with wet ice.
_____ Ambient temperature.

LABORATORY (Other than Calscience Courier):

_____ °C Temperature blank.
_____ °C IR thermometer.
_____ Ambient temperature.

3.8 °C Temperature blank.

Initial: [signature]

CUSTODY SEAL INTACT:

Sample(s): _____ Cooler: _____ No (Not Intact) : _____ Not Present: ✓

Initial: [signature]

SAMPLE CONDITION:

	Yes	No	N/A
Chain-Of-Custody document(s) received with samples	✓		
Sampler's name indicated on COC	✓		
Sample container label(s) consistent with custody papers	✓		
Sample container(s) intact and good condition	✓		
Correct containers and volume for analyses requested	✓		
Proper preservation noted on sample label(s)	✓		
VOA vial(s) free of headspace.	✓		
Tedlar bag(s) free of condensation			✓

Initial: [signature]

COMMENTS:

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 07 - 0 7 - 1 9 3 1

Cooler 2 of 3

SAMPLE RECEIPT FORM

CLIENT: Geosyntec DATE: 7-27-7

TEMPERATURE – SAMPLES RECEIVED BY:

CALSCIENCE COURIER:

✓ Chilled, cooler with temperature blank provided.
_____ Chilled, cooler without temperature blank.
_____ Chilled and placed in cooler with wet ice.
_____ Ambient and placed in cooler with wet ice.
_____ Ambient temperature.

3.9 °C Temperature blank.

LABORATORY (Other than Calscience Courier):

_____ °C Temperature blank.
_____ °C IR thermometer.
_____ Ambient temperature.

Initial: [signature]

CUSTODY SEAL INTACT:

Sample(s): _____ Cooler: _____ No (Not Intact) : _____ Not Present: ✓

Initial: [signature]

SAMPLE CONDITION:

	Yes	No	N/A
Chain-Of-Custody document(s) received with samples	✓		
Sampler's name indicated on COC	✓		
Sample container label(s) consistent with custody papers	✓		
Sample container(s) intact and good condition	✓		
Correct containers and volume for analyses requested	✓		
Proper preservation noted on sample label(s)	✓		
VOA vial(s) free of headspace.	✓		
Tedlar bag(s) free of condensation			✓

Initial: [signature]

COMMENTS:

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 07 - 07 - 1931

Cooler 3 of 3

SAMPLE RECEIPT FORM

CLIENT: Geosyntec **DATE:** 7-27-7

TEMPERATURE – SAMPLES RECEIVED BY:

CALSCIENCE COURIER:

- ✓ Chilled, cooler with temperature blank provided.
- ____ Chilled, cooler without temperature blank.
- ____ Chilled and placed in cooler with wet ice.
- ____ Ambient and placed in cooler with wet ice.
- ____ Ambient temperature.
- 3.9 °C Temperature blank.

LABORATORY (Other than Calscience Courier):

- ____ °C Temperature blank.
- ____ °C IR thermometer.
- ____ Ambient temperature.

Initial: [signature]

CUSTODY SEAL INTACT:

Sample(s): ____ Cooler: ____ No (Not Intact) : ____ Not Present: ✓

Initial: [signature]

SAMPLE CONDITION:

	Yes	No	N/A
Chain-Of-Custody document(s) received with samples	✓		
Sampler's name indicated on COC	✓		
Sample container label(s) consistent with custody papers	✓		
Sample container(s) intact and good condition	✓		
Correct containers and volume for analyses requested	✓		
Proper preservation noted on sample label(s)	✓		
VOA vial(s) free of headspace.	✓		
Tedlar bag(s) free of condensation			✓

Initial: [signature]

COMMENTS:

Soil Vapor Certificates of Analysis

AN ENVIRONMENTAL ANALYTICAL LABORATORY

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Thank you for choosing Air Toxics Ltd. To better serve our customers, we are providing your report by e-mail. This document is provided in Portable Document Format which can be viewed with Acrobat Reader by Adobe.

This electronic report includes the following:

- Work order Summary;
- Laboratory Narrative;
- Results; and
- Chain of Custody (copy).

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630

(916) 985-1000 .FAX (916) 985-1020
Hours 8:00 A.M to 6:00 P.M. Pacific

AN ENVIRONMENTAL ANALYTICAL LABORATORY

WORK ORDER #: 0707403

Work Order Summary

CLIENT:	Mr. Chris Gale GeoSyntec Consultants 10875 Rancho Bernardo Road Suite 200 San Diego, CA 92127	**BILL TO:**	Mr. Chris Gale GeoSyntec Consultants 10875 Rancho Bernardo Road Suite 200 San Diego, CA 92127
PHONE:	858-674-6559	**P.O. #**	
FAX:	858-674-6586	**PROJECT #**	SC0233 Poway
DATE RECEIVED:	07/24/2007	**CONTACT:**	Kyle Vagadori
DATE COMPLETED:	07/30/2007		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.
01A	PVP-6	Modified TO-15/TICs	5.5 "Hg
02A	PVP-1A	Modified TO-15/TICs	6.5 "Hg
02AA	PVP-1A Lab Duplicate	Modified TO-15/TICs	6.5 "Hg
03A	PVP-2A	Modified TO-15/TICs	5.5 "Hg
04A	VW-1B	Modified TO-15/TICs	7.0 "Hg
04AA	VW-1B Lab Duplicate	Modified TO-15/TICs	7.0 "Hg
05A	QCFB	Modified TO-15/TICs	5.5 "Hg
06A	PVP-5	Modified TO-15/TICs	1.0 "Hg
07A	PVP-3A	Modified TO-15/TICs	4.5 "Hg
08A	PVP-4A	Modified TO-15/TICs	4.5 "Hg
09A	PVP-4C	Modified TO-15/TICs	6.0 "Hg
10A	VW-2A	Modified TO-15/TICs	4.5 "Hg
11A	VW-4A	Modified TO-15/TICs	3.5 "Hg
12A	VW-4B	Modified TO-15/TICs	4.0 "Hg
13A	QCTB	Modified TO-15/TICs	28.5 "Hg
14A	Lab Blank	Modified TO-15/TICs	NA
15A	CCV	Modified TO-15/TICs	NA

Continued on next page

AN ENVIRONMENTAL ANALYTICAL LABORATORY

WORK ORDER #: 0707403

Work Order Summary

CLIENT:	Mr. Chris Gale GeoSyntec Consultants 10875 Rancho Bernardo Road Suite 200 San Diego, CA 92127	**BILL TO:**	Mr. Chris Gale GeoSyntec Consultants 10875 Rancho Bernardo Road Suite 200 San Diego, CA 92127
PHONE:	858-674-6559	**P.O. #**	
FAX:	858-674-6586	**PROJECT #**	SC0233 Poway
DATE RECEIVED:	07/24/2007	**CONTACT:**	Kyle Vagadori
DATE COMPLETED:	07/30/2007		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.
16A	LCS	Modified TO-15/TICs	NA

CERTIFIED BY: Linda L. Freeman DATE: 07/30/07

Laboratory Director

Certfication numbers: CA NELAP - 02110CA, LA NELAP/LELAP- AI 30763, NJ NELAP - CA004
NY NELAP - 11291, UT NELAP - 9166389892
Name of Accrediting Agency: NELAP/Florida Department of Health, Scope of Application: Clean Air Act,
Accreditation number: E87680, Effective date: 07/01/07, Expiration date: 06/30/08
Air Toxics Ltd. certifies that the test results contained in this report meet all requirements of the NELAC standards

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180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
(916) 985-1000 . (800) 985-5955 . FAX (916) 985-1020

LABORATORY NARRATIVE
Modified TO-15
GeoSyntec Consultants
Workorder# 0707403

Thirteen 1 Liter Summa Canister (100% Certified) samples were received on July 24, 2007. The laboratory performed analysis via modified EPA Method TO-15 using GC/MS in the full scan mode. The method involves concentrating up to 0.2 liters of air. The concentrated aliquot is then flash vaporized and swept through a water management system to remove water vapor. Following dehumidification, the sample passes directly into the GC/MS for analysis.

This workorder was independently validated prior to submittal using 'USEPA National Functional Guidelines' as generally applied to the analysis of volatile organic compounds in air. A rules-based, logic driven, independent validation engine was employed to assess completeness, evaluate pass/fail of relevant project quality control requirements and verification of all quantified amounts.

Method modifications taken to run these samples are summarized in the table below. Specific project requirements may over-ride the ATL modifications.

Requirement	***TO-15***	***ATL Modifications***
Daily CCV	+- 30% Difference	</= 30% Difference with two allowed out up to </=40%.; flag and narrate outliers
Sample collection media	Summa canister	ATL recommends use of summa canisters to insure data defensibility, but will report results from Tedlar bags at client request
Method Detection Limit	Follow 40CFR Pt.136 App. B	The MDL met all relevant requirements in Method TO-15 (statistical MDL less than the LOQ). The concentration of the spiked replicate may have exceeded 10X the calculated MDL in some cases

Receiving Notes

The Chain of Custody (COC) information for samples PVP-3A, PVP-4A and VW-2A did not match the information on the canisters with regard to canister identification. The client was notified of the discrepancy and the information on the canisters was used to process and report the samples.

Analytical Notes

All Quality Control Limit failures and affected sample results are noted by flags. Each flag is defined at the bottom of this Case Narrative and on each Sample Result Summary page. Target compound non-detects in the samples that are associated with high bias in QC analyses have not been flagged.

Specific analytes that are requested by the client to be reported as tentatively identified compounds (TICs) are determined by searching for each compound's characteristic spectra. If no chromatographic peak displaying the compound specific spectra exists, then the TIC is reported as not detected. Please note that the laboratory has not evaluated the stability of any heretofore tentatively identified compound in the vapor phase or for efficiency of recovery through the analytical system.

Definition of Data Qualifying Flags

Eight qualifiers may have been used on the data analysis sheets and indicates as follows:

B - Compound present in laboratory blank greater than reporting limit (background subtraction no performed).

J - Estimated value.

E - Exceeds instrument calibration range.

S - Saturated peak.

Q - Exceeds quality control limits.

U - Compound analyzed for but not detected above the reporting limit.

UJ- Non-detected compound associated with low bias in the CCV

N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified

b-File was quantified by a second column and detector

r1-File was requantified for the purpose of reissue

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: PVP-6

Lab ID#: 0707403-01A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Acetone	4.9	7.7	12	18
2-Butanone (Methyl Ethyl Ketone)	1.2	2.6	3.6	7.7
Toluene	1.2	1.2	4.6	4.7

Client Sample ID: PVP-1A

Lab ID#: 0707403-02A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	1.3	8.2	6.4	41
Freon 114	1.3	1.4	9.0	9.5
Freon 113	1.3	4.8	9.9	37
2-Butanone (Methyl Ethyl Ketone)	1.3	2.4	3.8	7.1

Client Sample ID: PVP-1A Lab Duplicate

Lab ID#: 0707403-02AA

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	1.3	10	6.4	50
Freon 114	1.3	1.7	9.0	12
Freon 113	1.3	5.8	9.9	44
2-Butanone (Methyl Ethyl Ketone)	1.3	2.6	3.8	7.6

Client Sample ID: PVP-2A

Lab ID#: 0707403-03A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	1.2	16	6.1	81
Freon 114	1.2	1.8	8.6	12
Ethanol	4.9	7.5	9.3	14
Freon 113	1.2	46	9.5	350
Acetone	4.9	33	12	77
Carbon Disulfide	1.2	6.5	3.8	20
2-Butanone (Methyl Ethyl Ketone)	1.2	11	3.6	31
Benzene	1.2	3.8	3.9	12
Toluene	1.2	1.9	4.6	7.3

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: VW-1B

Lab ID#: 0707403-04A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Acetone	5.3	11	12	27
2-Butanone (Methyl Ethyl Ketone)	1.3	2.7	3.9	7.9
Chloroform	1.3	3.1	6.4	15
Toluene	1.3	1.7	5.0	6.6

Client Sample ID: VW-1B Lab Duplicate

Lab ID#: 0707403-04AA

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Acetone	5.3	6.7	12	16
2-Butanone (Methyl Ethyl Ketone)	1.3	2.6	3.9	7.7
Chloroform	1.3	3.1	6.4	15
Toluene	1.3	1.6	5.0	5.9

Client Sample ID: QCFB

Lab ID#: 0707403-05A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Ethanol	4.9	5.3	9.3	10

Client Sample ID: PVP-5

Lab ID#: 0707403-06A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Acetone	4.2	4.1 J	9.9	9.7 J
2-Butanone (Methyl Ethyl Ketone)	1.0	1.9	3.1	5.6

Client Sample ID: PVP-3A

Lab ID#: 0707403-07A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Acetone	4.8	8.6	11	20
2-Butanone (Methyl Ethyl Ketone)	1.2	4.4	3.5	13

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: PVP-4A

Lab ID#: 0707403-08A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	1.2	8.3	5.9	41
2-Butanone (Methyl Ethyl Ketone)	1.2	1.4	3.5	4.2
Tetrachloroethene	1.2	3.8	8.1	26

Client Sample ID: PVP-4C

Lab ID#: 0707403-09A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	1.3	7.4	6.2	36
Acetone	5.1	11	12	26
2-Butanone (Methyl Ethyl Ketone)	1.3	3.4	3.7	10
Tetrachloroethene	1.3	3.8	8.6	26

Client Sample ID: VW-2A

Lab ID#: 0707403-10A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Acetone	4.8	4.7 J	11	11
2-Butanone (Methyl Ethyl Ketone)	1.2	2.2	3.5	6.4

Client Sample ID: VW-4A

Lab ID#: 0707403-11A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	1.1	2.8	5.7	14
2-Butanone (Methyl Ethyl Ketone)	1.1	1.2	3.4	3.6
Tetrachloroethene	1.1	62	7.8	420

Client Sample ID: VW-4B

Lab ID#: 0707403-12A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	1.2	3.6	5.8	18
Freon 113	1.2	1.7	8.9	13

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: VW-4B

Lab ID#: 0707403-12A

2-Butanone (Methyl Ethyl Ketone)	1.2	1.5	3.4	4.6
Tetrachloroethene	1.2	69	7.9	460

Client Sample ID: QCTB

Lab ID#: 0707403-13A

No Detections Were Found.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: PVP-6

Lab ID#: 0707403-01A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7072413**	**Date of Collection:**	**7/23/07**
Dil. Factor:	**2.47**	**Date of Analysis:**	**7/24/07 06:15 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	1.2	Not Detected	6.1	Not Detected
Freon 114	1.2	Not Detected	8.6	Not Detected
Chloromethane	4.9	Not Detected	10	Not Detected
Vinyl Chloride	1.2	Not Detected	3.2	Not Detected
1,3-Butadiene	1.2	Not Detected	2.7	Not Detected
Bromomethane	1.2	Not Detected	4.8	Not Detected
Chloroethane	1.2	Not Detected	3.2	Not Detected
Freon 11	1.2	Not Detected	6.9	Not Detected
Ethanol	4.9	Not Detected	9.3	Not Detected
Freon 113	1.2	Not Detected	9.5	Not Detected
1,1-Dichloroethene	1.2	Not Detected	4.9	Not Detected
Acetone	4.9	7.7	12	18
2-Propanol	4.9	Not Detected	12	Not Detected
Carbon Disulfide	1.2	Not Detected	3.8	Not Detected
3-Chloropropene	4.9	Not Detected	15	Not Detected
Methylene Chloride	1.2	Not Detected	4.3	Not Detected
Methyl tert-butyl ether	1.2	Not Detected	4.4	Not Detected
trans-1,2-Dichloroethene	1.2	Not Detected	4.9	Not Detected
Hexane	1.2	Not Detected	4.4	Not Detected
1,1-Dichloroethane	1.2	Not Detected	5.0	Not Detected
2-Butanone (Methyl Ethyl Ketone)	1.2	2.6	3.6	7.7
cis-1,2-Dichloroethene	1.2	Not Detected	4.9	Not Detected
Tetrahydrofuran	1.2	Not Detected	3.6	Not Detected
Chloroform	1.2	Not Detected	6.0	Not Detected
1,1,1-Trichloroethane	1.2	Not Detected	6.7	Not Detected
Cyclohexane	1.2	Not Detected	4.2	Not Detected
Carbon Tetrachloride	1.2	Not Detected	7.8	Not Detected
2,2,4-Trimethylpentane	1.2	Not Detected	5.8	Not Detected
Benzene	1.2	Not Detected	3.9	Not Detected
1,2-Dichloroethane	1.2	Not Detected	5.0	Not Detected
Heptane	1.2	Not Detected	5.1	Not Detected
Trichloroethene	1.2	Not Detected	6.6	Not Detected
1,2-Dichloropropane	1.2	Not Detected	5.7	Not Detected
1,4-Dioxane	4.9	Not Detected	18	Not Detected
Bromodichloromethane	1.2	Not Detected	8.3	Not Detected
cis-1,3-Dichloropropene	1.2	Not Detected	5.6	Not Detected
4-Methyl-2-pentanone	1.2	Not Detected	5.0	Not Detected
Toluene	1.2	1.2	4.6	4.7
trans-1,3-Dichloropropene	1.2	Not Detected	5.6	Not Detected

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: PVP-6

Lab ID#: 0707403-01A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7072413**	**Date of Collection:**	**7/23/07**
Dil. Factor:	**2.47**	**Date of Analysis:**	**7/24/07 06:15 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
1,1,2-Trichloroethane	1.2	Not Detected	6.7	Not Detected
Tetrachloroethene	1.2	Not Detected	8.4	Not Detected
2-Hexanone	4.9	Not Detected	20	Not Detected
Dibromochloromethane	1.2	Not Detected	10	Not Detected
1,2-Dibromoethane (EDB)	1.2	Not Detected	9.5	Not Detected
Chlorobenzene	1.2	Not Detected	5.7	Not Detected
Ethyl Benzene	1.2	Not Detected	5.4	Not Detected
m,p-Xylene	1.2	Not Detected	5.4	Not Detected
o-Xylene	1.2	Not Detected	5.4	Not Detected
Styrene	1.2	Not Detected	5.3	Not Detected
Bromoform	1.2	Not Detected	13	Not Detected
Cumene	1.2	Not Detected	6.1	Not Detected
1,1,2,2-Tetrachloroethane	1.2	Not Detected	8.5	Not Detected
Propylbenzene	1.2	Not Detected	6.1	Not Detected
4-Ethyltoluene	1.2	Not Detected	6.1	Not Detected
1,3,5-Trimethylbenzene	1.2	Not Detected	6.1	Not Detected
1,2,4-Trimethylbenzene	1.2	Not Detected	6.1	Not Detected
1,3-Dichlorobenzene	1.2	Not Detected	7.4	Not Detected
1,4-Dichlorobenzene	1.2	Not Detected	7.4	Not Detected
alpha-Chlorotoluene	1.2	Not Detected	6.4	Not Detected
1,2-Dichlorobenzene	1.2	Not Detected	7.4	Not Detected
1,2,4-Trichlorobenzene	4.9	Not Detected	37	Not Detected
Hexachlorobutadiene	4.9	Not Detected	53	Not Detected

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount ppbv
Vinyl Acetate	108-05-4	NA	Not Detected
trans-1,4-Dichloro-2-butene	110-57-6	NA	Not Detected
Iodomethane	74-88-4	NA	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
Toluene-d8	105	70-130
1,2-Dichloroethane-d4	98	70-130
4-Bromofluorobenzene	80	70-130

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: PVP-1A

Lab ID#: 0707403-02A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7072414**	**Date of Collection:**	**7/23/07**
Dil. Factor:	**2.58**	**Date of Analysis:**	**7/24/07 06:54 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	1.3	8.2	6.4	41
Freon 114	1.3	1.4	9.0	9.5
Chloromethane	5.2	Not Detected	11	Not Detected
Vinyl Chloride	1.3	Not Detected	3.3	Not Detected
1,3-Butadiene	1.3	Not Detected	2.8	Not Detected
Bromomethane	1.3	Not Detected	5.0	Not Detected
Chloroethane	1.3	Not Detected	3.4	Not Detected
Freon 11	1.3	Not Detected	7.2	Not Detected
Ethanol	5.2	Not Detected	9.7	Not Detected
Freon 113	1.3	4.8	9.9	37
1,1-Dichloroethene	1.3	Not Detected	5.1	Not Detected
Acetone	5.2	Not Detected	12	Not Detected
2-Propanol	5.2	Not Detected	13	Not Detected
Carbon Disulfide	1.3	Not Detected	4.0	Not Detected
3-Chloropropene	5.2	Not Detected	16	Not Detected
Methylene Chloride	1.3	Not Detected	4.5	Not Detected
Methyl tert-butyl ether	1.3	Not Detected	4.6	Not Detected
trans-1,2-Dichloroethene	1.3	Not Detected	5.1	Not Detected
Hexane	1.3	Not Detected	4.5	Not Detected
1,1-Dichloroethane	1.3	Not Detected	5.2	Not Detected
2-Butanone (Methyl Ethyl Ketone)	1.3	2.4	3.8	7.1
cis-1,2-Dichloroethene	1.3	Not Detected	5.1	Not Detected
Tetrahydrofuran	1.3	Not Detected	3.8	Not Detected
Chloroform	1.3	Not Detected	6.3	Not Detected
1,1,1-Trichloroethane	1.3	Not Detected	7.0	Not Detected
Cyclohexane	1.3	Not Detected	4.4	Not Detected
Carbon Tetrachloride	1.3	Not Detected	8.1	Not Detected
2,2,4-Trimethylpentane	1.3	Not Detected	6.0	Not Detected
Benzene	1.3	Not Detected	4.1	Not Detected
1,2-Dichloroethane	1.3	Not Detected	5.2	Not Detected
Heptane	1.3	Not Detected	5.3	Not Detected
Trichloroethene	1.3	Not Detected	6.9	Not Detected
1,2-Dichloropropane	1.3	Not Detected	6.0	Not Detected
1,4-Dioxane	5.2	Not Detected	18	Not Detected
Bromodichloromethane	1.3	Not Detected	8.6	Not Detected
cis-1,3-Dichloropropene	1.3	Not Detected	5.8	Not Detected
4-Methyl-2-pentanone	1.3	Not Detected	5.3	Not Detected
Toluene	1.3	Not Detected	4.9	Not Detected
trans-1,3-Dichloropropene	1.3	Not Detected	5.8	Not Detected

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: PVP-1A

Lab ID#: 0707403-02A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7072414**	**Date of Collection:**	**7/23/07**
Dil. Factor:	**2.58**	**Date of Analysis:**	**7/24/07 06:54 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
1,1,2-Trichloroethane	1.3	Not Detected	7.0	Not Detected
Tetrachloroethene	1.3	Not Detected	8.8	Not Detected
2-Hexanone	5.2	Not Detected	21	Not Detected
Dibromochloromethane	1.3	Not Detected	11	Not Detected
1,2-Dibromoethane (EDB)	1.3	Not Detected	9.9	Not Detected
Chlorobenzene	1.3	Not Detected	5.9	Not Detected
Ethyl Benzene	1.3	Not Detected	5.6	Not Detected
m,p-Xylene	1.3	Not Detected	5.6	Not Detected
o-Xylene	1.3	Not Detected	5.6	Not Detected
Styrene	1.3	Not Detected	5.5	Not Detected
Bromoform	1.3	Not Detected	13	Not Detected
Cumene	1.3	Not Detected	6.3	Not Detected
1,1,2,2-Tetrachloroethane	1.3	Not Detected	8.8	Not Detected
Propylbenzene	1.3	Not Detected	6.3	Not Detected
4-Ethyltoluene	1.3	Not Detected	6.3	Not Detected
1,3,5-Trimethylbenzene	1.3	Not Detected	6.3	Not Detected
1,2,4-Trimethylbenzene	1.3	Not Detected	6.3	Not Detected
1,3-Dichlorobenzene	1.3	Not Detected	7.8	Not Detected
1,4-Dichlorobenzene	1.3	Not Detected	7.8	Not Detected
alpha-Chlorotoluene	1.3	Not Detected	6.7	Not Detected
1,2-Dichlorobenzene	1.3	Not Detected	7.8	Not Detected
1,2,4-Trichlorobenzene	5.2	Not Detected	38	Not Detected
Hexachlorobutadiene	5.2	Not Detected	55	Not Detected

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount ppbv
Vinyl Acetate	108-05-4	NA	Not Detected
trans-1,4-Dichloro-2-butene	110-57-6	NA	Not Detected
Iodomethane	74-88-4	NA	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
Toluene-d8	75	70-130
1,2-Dichloroethane-d4	102	70-130
4-Bromofluorobenzene	94	70-130

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: PVP-1A Lab Duplicate

Lab ID#: 0707403-02AA

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7072415**	**Date of Collection:**	**7/23/07**
Dil. Factor:	**2.58**	**Date of Analysis:**	**7/24/07 07:34 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	1.3	10	6.4	50
Freon 114	1.3	1.7	9.0	12
Chloromethane	5.2	Not Detected	11	Not Detected
Vinyl Chloride	1.3	Not Detected	3.3	Not Detected
1,3-Butadiene	1.3	Not Detected	2.8	Not Detected
Bromomethane	1.3	Not Detected	5.0	Not Detected
Chloroethane	1.3	Not Detected	3.4	Not Detected
Freon 11	1.3	Not Detected	7.2	Not Detected
Ethanol	5.2	Not Detected	9.7	Not Detected
Freon 113	1.3	5.8	9.9	44
1,1-Dichloroethene	1.3	Not Detected	5.1	Not Detected
Acetone	5.2	Not Detected	12	Not Detected
2-Propanol	5.2	Not Detected	13	Not Detected
Carbon Disulfide	1.3	Not Detected	4.0	Not Detected
3-Chloropropene	5.2	Not Detected	16	Not Detected
Methylene Chloride	1.3	Not Detected	4.5	Not Detected
Methyl tert-butyl ether	1.3	Not Detected	4.6	Not Detected
trans-1,2-Dichloroethene	1.3	Not Detected	5.1	Not Detected
Hexane	1.3	Not Detected	4.5	Not Detected
1,1-Dichloroethane	1.3	Not Detected	5.2	Not Detected
2-Butanone (Methyl Ethyl Ketone)	1.3	2.6	3.8	7.6
cis-1,2-Dichloroethene	1.3	Not Detected	5.1	Not Detected
Tetrahydrofuran	1.3	Not Detected	3.8	Not Detected
Chloroform	1.3	Not Detected	6.3	Not Detected
1,1,1-Trichloroethane	1.3	Not Detected	7.0	Not Detected
Cyclohexane	1.3	Not Detected	4.4	Not Detected
Carbon Tetrachloride	1.3	Not Detected	8.1	Not Detected
2,2,4-Trimethylpentane	1.3	Not Detected	6.0	Not Detected
Benzene	1.3	Not Detected	4.1	Not Detected
1,2-Dichloroethane	1.3	Not Detected	5.2	Not Detected
Heptane	1.3	Not Detected	5.3	Not Detected
Trichloroethene	1.3	Not Detected	6.9	Not Detected
1,2-Dichloropropane	1.3	Not Detected	6.0	Not Detected
1,4-Dioxane	5.2	Not Detected	18	Not Detected
Bromodichloromethane	1.3	Not Detected	8.6	Not Detected
cis-1,3-Dichloropropene	1.3	Not Detected	5.8	Not Detected
4-Methyl-2-pentanone	1.3	Not Detected	5.3	Not Detected
Toluene	1.3	Not Detected	4.9	Not Detected
trans-1,3-Dichloropropene	1.3	Not Detected	5.8	Not Detected

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: PVP-1A Lab Duplicate

Lab ID#: 0707403-02AA

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7072415**	**Date of Collection:**	**7/23/07**
Dil. Factor:	**2.58**	**Date of Analysis:**	**7/24/07 07:34 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
1,1,2-Trichloroethane	1.3	Not Detected	7.0	Not Detected
Tetrachloroethene	1.3	Not Detected	8.8	Not Detected
2-Hexanone	5.2	Not Detected	21	Not Detected
Dibromochloromethane	1.3	Not Detected	11	Not Detected
1,2-Dibromoethane (EDB)	1.3	Not Detected	9.9	Not Detected
Chlorobenzene	1.3	Not Detected	5.9	Not Detected
Ethyl Benzene	1.3	Not Detected	5.6	Not Detected
m,p-Xylene	1.3	Not Detected	5.6	Not Detected
o-Xylene	1.3	Not Detected	5.6	Not Detected
Styrene	1.3	Not Detected	5.5	Not Detected
Bromoform	1.3	Not Detected	13	Not Detected
Cumene	1.3	Not Detected	6.3	Not Detected
1,1,2,2-Tetrachloroethane	1.3	Not Detected	8.8	Not Detected
Propylbenzene	1.3	Not Detected	6.3	Not Detected
4-Ethyltoluene	1.3	Not Detected	6.3	Not Detected
1,3,5-Trimethylbenzene	1.3	Not Detected	6.3	Not Detected
1,2,4-Trimethylbenzene	1.3	Not Detected	6.3	Not Detected
1,3-Dichlorobenzene	1.3	Not Detected	7.8	Not Detected
1,4-Dichlorobenzene	1.3	Not Detected	7.8	Not Detected
alpha-Chlorotoluene	1.3	Not Detected	6.7	Not Detected
1,2-Dichlorobenzene	1.3	Not Detected	7.8	Not Detected
1,2,4-Trichlorobenzene	5.2	Not Detected	38	Not Detected
Hexachlorobutadiene	5.2	Not Detected	55	Not Detected

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount ppbv
Vinyl Acetate	108-05-4	NA	Not Detected
trans-1,4-Dichloro-2-butene	110-57-6	NA	Not Detected
Iodomethane	74-88-4	NA	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
Toluene-d8	77	70-130
1,2-Dichloroethane-d4	121	70-130
4-Bromofluorobenzene	95	70-130

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: PVP-2A

Lab ID#: 0707403-03A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7072416**	**Date of Collection:**	**7/23/07**
Dil. Factor:	**2.47**	**Date of Analysis:**	**7/24/07 08:13 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	1.2	16	6.1	81
Freon 114	1.2	1.8	8.6	12
Chloromethane	4.9	Not Detected	10	Not Detected
Vinyl Chloride	1.2	Not Detected	3.2	Not Detected
1,3-Butadiene	1.2	Not Detected	2.7	Not Detected
Bromomethane	1.2	Not Detected	4.8	Not Detected
Chloroethane	1.2	Not Detected	3.2	Not Detected
Freon 11	1.2	Not Detected	6.9	Not Detected
Ethanol	4.9	7.5	9.3	14
Freon 113	1.2	46	9.5	350
1,1-Dichloroethene	1.2	Not Detected	4.9	Not Detected
Acetone	4.9	33	12	77
2-Propanol	4.9	Not Detected	12	Not Detected
Carbon Disulfide	1.2	6.5	3.8	20
3-Chloropropene	4.9	Not Detected	15	Not Detected
Methylene Chloride	1.2	Not Detected	4.3	Not Detected
Methyl tert-butyl ether	1.2	Not Detected	4.4	Not Detected
trans-1,2-Dichloroethene	1.2	Not Detected	4.9	Not Detected
Hexane	1.2	Not Detected	4.4	Not Detected
1,1-Dichloroethane	1.2	Not Detected	5.0	Not Detected
2-Butanone (Methyl Ethyl Ketone)	1.2	11	3.6	31
cis-1,2-Dichloroethene	1.2	Not Detected	4.9	Not Detected
Tetrahydrofuran	1.2	Not Detected	3.6	Not Detected
Chloroform	1.2	Not Detected	6.0	Not Detected
1,1,1-Trichloroethane	1.2	Not Detected	6.7	Not Detected
Cyclohexane	1.2	Not Detected	4.2	Not Detected
Carbon Tetrachloride	1.2	Not Detected	7.8	Not Detected
2,2,4-Trimethylpentane	1.2	Not Detected	5.8	Not Detected
Benzene	1.2	3.8	3.9	12
1,2-Dichloroethane	1.2	Not Detected	5.0	Not Detected
Heptane	1.2	Not Detected	5.1	Not Detected
Trichloroethene	1.2	Not Detected	6.6	Not Detected
1,2-Dichloropropane	1.2	Not Detected	5.7	Not Detected
1,4-Dioxane	4.9	Not Detected	18	Not Detected
Bromodichloromethane	1.2	Not Detected	8.3	Not Detected
cis-1,3-Dichloropropene	1.2	Not Detected	5.6	Not Detected
4-Methyl-2-pentanone	1.2	Not Detected	5.0	Not Detected
Toluene	1.2	1.9	4.6	7.3
trans-1,3-Dichloropropene	1.2	Not Detected	5.6	Not Detected

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: PVP-2A

Lab ID#: 0707403-03A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7072416**	**Date of Collection:**	**7/23/07**
Dil. Factor:	**2.47**	**Date of Analysis:**	**7/24/07 08:13 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
1,1,2-Trichloroethane	1.2	Not Detected	6.7	Not Detected
Tetrachloroethene	1.2	Not Detected	8.4	Not Detected
2-Hexanone	4.9	Not Detected	20	Not Detected
Dibromochloromethane	1.2	Not Detected	10	Not Detected
1,2-Dibromoethane (EDB)	1.2	Not Detected	9.5	Not Detected
Chlorobenzene	1.2	Not Detected	5.7	Not Detected
Ethyl Benzene	1.2	Not Detected	5.4	Not Detected
m,p-Xylene	1.2	Not Detected	5.4	Not Detected
o-Xylene	1.2	Not Detected	5.4	Not Detected
Styrene	1.2	Not Detected	5.3	Not Detected
Bromoform	1.2	Not Detected	13	Not Detected
Cumene	1.2	Not Detected	6.1	Not Detected
1,1,2,2-Tetrachloroethane	1.2	Not Detected	8.5	Not Detected
Propylbenzene	1.2	Not Detected	6.1	Not Detected
4-Ethyltoluene	1.2	Not Detected	6.1	Not Detected
1,3,5-Trimethylbenzene	1.2	Not Detected	6.1	Not Detected
1,2,4-Trimethylbenzene	1.2	Not Detected	6.1	Not Detected
1,3-Dichlorobenzene	1.2	Not Detected	7.4	Not Detected
1,4-Dichlorobenzene	1.2	Not Detected	7.4	Not Detected
alpha-Chlorotoluene	1.2	Not Detected	6.4	Not Detected
1,2-Dichlorobenzene	1.2	Not Detected	7.4	Not Detected
1,2,4-Trichlorobenzene	4.9	Not Detected	37	Not Detected
Hexachlorobutadiene	4.9	Not Detected	53	Not Detected

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount ppbv
Vinyl Acetate	108-05-4	NA	Not Detected
trans-1,4-Dichloro-2-butene	110-57-6	NA	Not Detected
Iodomethane	74-88-4	NA	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
Toluene-d8	88	70-130
1,2-Dichloroethane-d4	98	70-130
4-Bromofluorobenzene	90	70-130

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: VW-1B

Lab ID#: 0707403-04A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7072417**	**Date of Collection:**	**7/23/07**
Dil. Factor:	**2.64**	**Date of Analysis:**	**7/24/07 08:52 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	1.3	Not Detected	6.5	Not Detected
Freon 114	1.3	Not Detected	9.2	Not Detected
Chloromethane	5.3	Not Detected	11	Not Detected
Vinyl Chloride	1.3	Not Detected	3.4	Not Detected
1,3-Butadiene	1.3	Not Detected	2.9	Not Detected
Bromomethane	1.3	Not Detected	5.1	Not Detected
Chloroethane	1.3	Not Detected	3.5	Not Detected
Freon 11	1.3	Not Detected	7.4	Not Detected
Ethanol	5.3	Not Detected	9.9	Not Detected
Freon 113	1.3	Not Detected	10	Not Detected
1,1-Dichloroethene	1.3	Not Detected	5.2	Not Detected
Acetone	5.3	11	12	27
2-Propanol	5.3	Not Detected	13	Not Detected
Carbon Disulfide	1.3	Not Detected	4.1	Not Detected
3-Chloropropene	5.3	Not Detected	16	Not Detected
Methylene Chloride	1.3	Not Detected	4.6	Not Detected
Methyl tert-butyl ether	1.3	Not Detected	4.8	Not Detected
trans-1,2-Dichloroethene	1.3	Not Detected	5.2	Not Detected
Hexane	1.3	Not Detected	4.6	Not Detected
1,1-Dichloroethane	1.3	Not Detected	5.3	Not Detected
2-Butanone (Methyl Ethyl Ketone)	1.3	2.7	3.9	7.9
cis-1,2-Dichloroethene	1.3	Not Detected	5.2	Not Detected
Tetrahydrofuran	1.3	Not Detected	3.9	Not Detected
Chloroform	1.3	3.1	6.4	15
1,1,1-Trichloroethane	1.3	Not Detected	7.2	Not Detected
Cyclohexane	1.3	Not Detected	4.5	Not Detected
Carbon Tetrachloride	1.3	Not Detected	8.3	Not Detected
2,2,4-Trimethylpentane	1.3	Not Detected	6.2	Not Detected
Benzene	1.3	Not Detected	4.2	Not Detected
1,2-Dichloroethane	1.3	Not Detected	5.3	Not Detected
Heptane	1.3	Not Detected	5.4	Not Detected
Trichloroethene	1.3	Not Detected	7.1	Not Detected
1,2-Dichloropropane	1.3	Not Detected	6.1	Not Detected
1,4-Dioxane	5.3	Not Detected	19	Not Detected
Bromodichloromethane	1.3	Not Detected	8.8	Not Detected
cis-1,3-Dichloropropene	1.3	Not Detected	6.0	Not Detected
4-Methyl-2-pentanone	1.3	Not Detected	5.4	Not Detected
Toluene	1.3	1.7	5.0	6.6
trans-1,3-Dichloropropene	1.3	Not Detected	6.0	Not Detected

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: VW-1B

Lab ID#: 0707403-04A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7072417**	**Date of Collection:**	**7/23/07**
Dil. Factor:	**2.64**	**Date of Analysis:**	**7/24/07 08:52 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
1,1,2-Trichloroethane	1.3	Not Detected	7.2	Not Detected
Tetrachloroethene	1.3	Not Detected	9.0	Not Detected
2-Hexanone	5.3	Not Detected	22	Not Detected
Dibromochloromethane	1.3	Not Detected	11	Not Detected
1,2-Dibromoethane (EDB)	1.3	Not Detected	10	Not Detected
Chlorobenzene	1.3	Not Detected	6.1	Not Detected
Ethyl Benzene	1.3	Not Detected	5.7	Not Detected
m,p-Xylene	1.3	Not Detected	5.7	Not Detected
o-Xylene	1.3	Not Detected	5.7	Not Detected
Styrene	1.3	Not Detected	5.6	Not Detected
Bromoform	1.3	Not Detected	14	Not Detected
Cumene	1.3	Not Detected	6.5	Not Detected
1,1,2,2-Tetrachloroethane	1.3	Not Detected	9.1	Not Detected
Propylbenzene	1.3	Not Detected	6.5	Not Detected
4-Ethyltoluene	1.3	Not Detected	6.5	Not Detected
1,3,5-Trimethylbenzene	1.3	Not Detected	6.5	Not Detected
1,2,4-Trimethylbenzene	1.3	Not Detected	6.5	Not Detected
1,3-Dichlorobenzene	1.3	Not Detected	7.9	Not Detected
1,4-Dichlorobenzene	1.3	Not Detected	7.9	Not Detected
alpha-Chlorotoluene	1.3	Not Detected	6.8	Not Detected
1,2-Dichlorobenzene	1.3	Not Detected	7.9	Not Detected
1,2,4-Trichlorobenzene	5.3	Not Detected	39	Not Detected
Hexachlorobutadiene	5.3	Not Detected	56	Not Detected

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount ppbv
Vinyl Acetate	108-05-4	NA	Not Detected
trans-1,4-Dichloro-2-butene	110-57-6	NA	Not Detected
Iodomethane	74-88-4	NA	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
Toluene-d8	99	70-130
1,2-Dichloroethane-d4	98	70-130
4-Bromofluorobenzene	92	70-130

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: VW-1B Lab Duplicate

Lab ID#: 0707403-04AA

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7072418**	**Date of Collection: 7/23/07**	
Dil. Factor:	**2.64**	**Date of Analysis: 7/24/07 09:32 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	1.3	Not Detected	6.5	Not Detected
Freon 114	1.3	Not Detected	9.2	Not Detected
Chloromethane	5.3	Not Detected	11	Not Detected
Vinyl Chloride	1.3	Not Detected	3.4	Not Detected
1,3-Butadiene	1.3	Not Detected	2.9	Not Detected
Bromomethane	1.3	Not Detected	5.1	Not Detected
Chloroethane	1.3	Not Detected	3.5	Not Detected
Freon 11	1.3	Not Detected	7.4	Not Detected
Ethanol	5.3	Not Detected	9.9	Not Detected
Freon 113	1.3	Not Detected	10	Not Detected
1,1-Dichloroethene	1.3	Not Detected	5.2	Not Detected
Acetone	5.3	6.7	12	16
2-Propanol	5.3	Not Detected	13	Not Detected
Carbon Disulfide	1.3	Not Detected	4.1	Not Detected
3-Chloropropene	5.3	Not Detected	16	Not Detected
Methylene Chloride	1.3	Not Detected	4.6	Not Detected
Methyl tert-butyl ether	1.3	Not Detected	4.8	Not Detected
trans-1,2-Dichloroethene	1.3	Not Detected	5.2	Not Detected
Hexane	1.3	Not Detected	4.6	Not Detected
1,1-Dichloroethane	1.3	Not Detected	5.3	Not Detected
2-Butanone (Methyl Ethyl Ketone)	1.3	2.6	3.9	7.7
cis-1,2-Dichloroethene	1.3	Not Detected	5.2	Not Detected
Tetrahydrofuran	1.3	Not Detected	3.9	Not Detected
Chloroform	1.3	3.1	6.4	15
1,1,1-Trichloroethane	1.3	Not Detected	7.2	Not Detected
Cyclohexane	1.3	Not Detected	4.5	Not Detected
Carbon Tetrachloride	1.3	Not Detected	8.3	Not Detected
2,2,4-Trimethylpentane	1.3	Not Detected	6.2	Not Detected
Benzene	1.3	Not Detected	4.2	Not Detected
1,2-Dichloroethane	1.3	Not Detected	5.3	Not Detected
Heptane	1.3	Not Detected	5.4	Not Detected
Trichloroethene	1.3	Not Detected	7.1	Not Detected
1,2-Dichloropropane	1.3	Not Detected	6.1	Not Detected
1,4-Dioxane	5.3	Not Detected	19	Not Detected
Bromodichloromethane	1.3	Not Detected	8.8	Not Detected
cis-1,3-Dichloropropene	1.3	Not Detected	6.0	Not Detected
4-Methyl-2-pentanone	1.3	Not Detected	5.4	Not Detected
Toluene	1.3	1.6	5.0	5.9
trans-1,3-Dichloropropene	1.3	Not Detected	6.0	Not Detected

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: VW-1B Lab Duplicate

Lab ID#: 0707403-04AA

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7072418**	**Date of Collection:**	**7/23/07**
Dil. Factor:	**2.64**	**Date of Analysis:**	**7/24/07 09:32 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
1,1,2-Trichloroethane	1.3	Not Detected	7.2	Not Detected
Tetrachloroethene	1.3	Not Detected	9.0	Not Detected
2-Hexanone	5.3	Not Detected	22	Not Detected
Dibromochloromethane	1.3	Not Detected	11	Not Detected
1,2-Dibromoethane (EDB)	1.3	Not Detected	10	Not Detected
Chlorobenzene	1.3	Not Detected	6.1	Not Detected
Ethyl Benzene	1.3	Not Detected	5.7	Not Detected
m,p-Xylene	1.3	Not Detected	5.7	Not Detected
o-Xylene	1.3	Not Detected	5.7	Not Detected
Styrene	1.3	Not Detected	5.6	Not Detected
Bromoform	1.3	Not Detected	14	Not Detected
Cumene	1.3	Not Detected	6.5	Not Detected
1,1,2,2-Tetrachloroethane	1.3	Not Detected	9.1	Not Detected
Propylbenzene	1.3	Not Detected	6.5	Not Detected
4-Ethyltoluene	1.3	Not Detected	6.5	Not Detected
1,3,5-Trimethylbenzene	1.3	Not Detected	6.5	Not Detected
1,2,4-Trimethylbenzene	1.3	Not Detected	6.5	Not Detected
1,3-Dichlorobenzene	1.3	Not Detected	7.9	Not Detected
1,4-Dichlorobenzene	1.3	Not Detected	7.9	Not Detected
alpha-Chlorotoluene	1.3	Not Detected	6.8	Not Detected
1,2-Dichlorobenzene	1.3	Not Detected	7.9	Not Detected
1,2,4-Trichlorobenzene	5.3	Not Detected	39	Not Detected
Hexachlorobutadiene	5.3	Not Detected	56	Not Detected

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount ppbv
Vinyl Acetate	108-05-4	NA	Not Detected
trans-1,4-Dichloro-2-butene	110-57-6	NA	Not Detected
Iodomethane	74-88-4	NA	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
Toluene-d8	88	70-130
1,2-Dichloroethane-d4	100	70-130
4-Bromofluorobenzene	115	70-130

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: QCFB

Lab ID#: 0707403-05A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7072419**	**Date of Collection:**	**7/23/07**
Dil. Factor:	**2.47**	**Date of Analysis:**	**7/24/07 10:11 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	1.2	Not Detected	6.1	Not Detected
Freon 114	1.2	Not Detected	8.6	Not Detected
Chloromethane	4.9	Not Detected	10	Not Detected
Vinyl Chloride	1.2	Not Detected	3.2	Not Detected
1,3-Butadiene	1.2	Not Detected	2.7	Not Detected
Bromomethane	1.2	Not Detected	4.8	Not Detected
Chloroethane	1.2	Not Detected	3.2	Not Detected
Freon 11	1.2	Not Detected	6.9	Not Detected
Ethanol	4.9	5.3	9.3	10
Freon 113	1.2	Not Detected	9.5	Not Detected
1,1-Dichloroethene	1.2	Not Detected	4.9	Not Detected
Acetone	4.9	Not Detected	12	Not Detected
2-Propanol	4.9	Not Detected	12	Not Detected
Carbon Disulfide	1.2	Not Detected	3.8	Not Detected
3-Chloropropene	4.9	Not Detected	15	Not Detected
Methylene Chloride	1.2	Not Detected	4.3	Not Detected
Methyl tert-butyl ether	1.2	Not Detected	4.4	Not Detected
trans-1,2-Dichloroethene	1.2	Not Detected	4.9	Not Detected
Hexane	1.2	Not Detected	4.4	Not Detected
1,1-Dichloroethane	1.2	Not Detected	5.0	Not Detected
2-Butanone (Methyl Ethyl Ketone)	1.2	Not Detected	3.6	Not Detected
cis-1,2-Dichloroethene	1.2	Not Detected	4.9	Not Detected
Tetrahydrofuran	1.2	Not Detected	3.6	Not Detected
Chloroform	1.2	Not Detected	6.0	Not Detected
1,1,1-Trichloroethane	1.2	Not Detected	6.7	Not Detected
Cyclohexane	1.2	Not Detected	4.2	Not Detected
Carbon Tetrachloride	1.2	Not Detected	7.8	Not Detected
2,2,4-Trimethylpentane	1.2	Not Detected	5.8	Not Detected
Benzene	1.2	Not Detected	3.9	Not Detected
1,2-Dichloroethane	1.2	Not Detected	5.0	Not Detected
Heptane	1.2	Not Detected	5.1	Not Detected
Trichloroethene	1.2	Not Detected	6.6	Not Detected
1,2-Dichloropropane	1.2	Not Detected	5.7	Not Detected
1,4-Dioxane	4.9	Not Detected	18	Not Detected
Bromodichloromethane	1.2	Not Detected	8.3	Not Detected
cis-1,3-Dichloropropene	1.2	Not Detected	5.6	Not Detected
4-Methyl-2-pentanone	1.2	Not Detected	5.0	Not Detected
Toluene	1.2	Not Detected	4.6	Not Detected
trans-1,3-Dichloropropene	1.2	Not Detected	5.6	Not Detected

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: QCFB

Lab ID#: 0707403-05A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7072419**	**Date of Collection:**	**7/23/07**
Dil. Factor:	**2.47**	**Date of Analysis:**	**7/24/07 10:11 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
1,1,2-Trichloroethane	1.2	Not Detected	6.7	Not Detected
Tetrachloroethene	1.2	Not Detected	8.4	Not Detected
2-Hexanone	4.9	Not Detected	20	Not Detected
Dibromochloromethane	1.2	Not Detected	10	Not Detected
1,2-Dibromoethane (EDB)	1.2	Not Detected	9.5	Not Detected
Chlorobenzene	1.2	Not Detected	5.7	Not Detected
Ethyl Benzene	1.2	Not Detected	5.4	Not Detected
m,p-Xylene	1.2	Not Detected	5.4	Not Detected
o-Xylene	1.2	Not Detected	5.4	Not Detected
Styrene	1.2	Not Detected	5.3	Not Detected
Bromoform	1.2	Not Detected	13	Not Detected
Cumene	1.2	Not Detected	6.1	Not Detected
1,1,2,2-Tetrachloroethane	1.2	Not Detected	8.5	Not Detected
Propylbenzene	1.2	Not Detected	6.1	Not Detected
4-Ethyltoluene	1.2	Not Detected	6.1	Not Detected
1,3,5-Trimethylbenzene	1.2	Not Detected	6.1	Not Detected
1,2,4-Trimethylbenzene	1.2	Not Detected	6.1	Not Detected
1,3-Dichlorobenzene	1.2	Not Detected	7.4	Not Detected
1,4-Dichlorobenzene	1.2	Not Detected	7.4	Not Detected
alpha-Chlorotoluene	1.2	Not Detected	6.4	Not Detected
1,2-Dichlorobenzene	1.2	Not Detected	7.4	Not Detected
1,2,4-Trichlorobenzene	4.9	Not Detected	37	Not Detected
Hexachlorobutadiene	4.9	Not Detected	53	Not Detected

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount ppbv
Vinyl Acetate	108-05-4	NA	Not Detected
trans-1,4-Dichloro-2-butene	110-57-6	NA	Not Detected
Iodomethane	74-88-4	NA	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
Toluene-d8	80	70-130
1,2-Dichloroethane-d4	99	70-130
4-Bromofluorobenzene	98	70-130

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: PVP-5

Lab ID#: 0707403-06A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7072420**	**Date of Collection:**	**7/23/07**
Dil. Factor:	**2.09**	**Date of Analysis:**	**7/24/07 11:09 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	1.0	Not Detected	5.2	Not Detected
Freon 114	1.0	Not Detected	7.3	Not Detected
Chloromethane	4.2	Not Detected	8.6	Not Detected
Vinyl Chloride	1.0	Not Detected	2.7	Not Detected
1,3-Butadiene	1.0	Not Detected	2.3	Not Detected
Bromomethane	1.0	Not Detected	4.0	Not Detected
Chloroethane	1.0	Not Detected	2.8	Not Detected
Freon 11	1.0	Not Detected	5.9	Not Detected
Ethanol	4.2	Not Detected	7.9	Not Detected
Freon 113	1.0	Not Detected	8.0	Not Detected
1,1-Dichloroethene	1.0	Not Detected	4.1	Not Detected
Acetone	4.2	4.1 J	9.9	9.7 J
2-Propanol	4.2	Not Detected	10	Not Detected
Carbon Disulfide	1.0	Not Detected	3.2	Not Detected
3-Chloropropene	4.2	Not Detected	13	Not Detected
Methylene Chloride	1.0	Not Detected	3.6	Not Detected
Methyl tert-butyl ether	1.0	Not Detected	3.8	Not Detected
trans-1,2-Dichloroethene	1.0	Not Detected	4.1	Not Detected
Hexane	1.0	Not Detected	3.7	Not Detected
1,1-Dichloroethane	1.0	Not Detected	4.2	Not Detected
2-Butanone (Methyl Ethyl Ketone)	1.0	1.9	3.1	5.6
cis-1,2-Dichloroethene	1.0	Not Detected	4.1	Not Detected
Tetrahydrofuran	1.0	Not Detected	3.1	Not Detected
Chloroform	1.0	Not Detected	5.1	Not Detected
1,1,1-Trichloroethane	1.0	Not Detected	5.7	Not Detected
Cyclohexane	1.0	Not Detected	3.6	Not Detected
Carbon Tetrachloride	1.0	Not Detected	6.6	Not Detected
2,2,4-Trimethylpentane	1.0	Not Detected	4.9	Not Detected
Benzene	1.0	Not Detected	3.3	Not Detected
1,2-Dichloroethane	1.0	Not Detected	4.2	Not Detected
Heptane	1.0	Not Detected	4.3	Not Detected
Trichloroethene	1.0	Not Detected	5.6	Not Detected
1,2-Dichloropropane	1.0	Not Detected	4.8	Not Detected
1,4-Dioxane	4.2	Not Detected	15	Not Detected
Bromodichloromethane	1.0	Not Detected	7.0	Not Detected
cis-1,3-Dichloropropene	1.0	Not Detected	4.7	Not Detected
4-Methyl-2-pentanone	1.0	Not Detected	4.3	Not Detected
Toluene	1.0	Not Detected	3.9	Not Detected
trans-1,3-Dichloropropene	1.0	Not Detected	4.7	Not Detected

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: PVP-5

Lab ID#: 0707403-06A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7072420**	**Date of Collection:**	**7/23/07**
Dil. Factor:	**2.09**	**Date of Analysis:**	**7/24/07 11:09 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
1,1,2-Trichloroethane	1.0	Not Detected	5.7	Not Detected
Tetrachloroethene	1.0	Not Detected	7.1	Not Detected
2-Hexanone	4.2	Not Detected	17	Not Detected
Dibromochloromethane	1.0	Not Detected	8.9	Not Detected
1,2-Dibromoethane (EDB)	1.0	Not Detected	8.0	Not Detected
Chlorobenzene	1.0	Not Detected	4.8	Not Detected
Ethyl Benzene	1.0	Not Detected	4.5	Not Detected
m,p-Xylene	1.0	Not Detected	4.5	Not Detected
o-Xylene	1.0	Not Detected	4.5	Not Detected
Styrene	1.0	Not Detected	4.4	Not Detected
Bromoform	1.0	Not Detected	11	Not Detected
Cumene	1.0	Not Detected	5.1	Not Detected
1,1,2,2-Tetrachloroethane	1.0	Not Detected	7.2	Not Detected
Propylbenzene	1.0	Not Detected	5.1	Not Detected
4-Ethyltoluene	1.0	Not Detected	5.1	Not Detected
1,3,5-Trimethylbenzene	1.0	Not Detected	5.1	Not Detected
1,2,4-Trimethylbenzene	1.0	Not Detected	5.1	Not Detected
1,3-Dichlorobenzene	1.0	Not Detected	6.3	Not Detected
1,4-Dichlorobenzene	1.0	Not Detected	6.3	Not Detected
alpha-Chlorotoluene	1.0	Not Detected	5.4	Not Detected
1,2-Dichlorobenzene	1.0	Not Detected	6.3	Not Detected
1,2,4-Trichlorobenzene	4.2	Not Detected	31	Not Detected
Hexachlorobutadiene	4.2	Not Detected	44	Not Detected

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount ppbv
Vinyl Acetate	108-05-4	NA	Not Detected
trans-1,4-Dichloro-2-butene	110-57-6	NA	Not Detected
Iodomethane	74-88-4	NA	Not Detected

J = Estimated value.

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
Toluene-d8	87	70-130
1,2-Dichloroethane-d4	93	70-130
4-Bromofluorobenzene	100	70-130

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: PVP-3A

Lab ID#: 0707403-07A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7072421**	**Date of Collection:**	**7/23/07**
Dil. Factor:	**2.38**	**Date of Analysis:**	**7/24/07 11:55 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	1.2	Not Detected	5.9	Not Detected
Freon 114	1.2	Not Detected	8.3	Not Detected
Chloromethane	4.8	Not Detected	9.8	Not Detected
Vinyl Chloride	1.2	Not Detected	3.0	Not Detected
1,3-Butadiene	1.2	Not Detected	2.6	Not Detected
Bromomethane	1.2	Not Detected	4.6	Not Detected
Chloroethane	1.2	Not Detected	3.1	Not Detected
Freon 11	1.2	Not Detected	6.7	Not Detected
Ethanol	4.8	Not Detected	9.0	Not Detected
Freon 113	1.2	Not Detected	9.1	Not Detected
1,1-Dichloroethene	1.2	Not Detected	4.7	Not Detected
Acetone	4.8	8.6	11	20
2-Propanol	4.8	Not Detected	12	Not Detected
Carbon Disulfide	1.2	Not Detected	3.7	Not Detected
3-Chloropropene	4.8	Not Detected	15	Not Detected
Methylene Chloride	1.2	Not Detected	4.1	Not Detected
Methyl tert-butyl ether	1.2	Not Detected	4.3	Not Detected
trans-1,2-Dichloroethene	1.2	Not Detected	4.7	Not Detected
Hexane	1.2	Not Detected	4.2	Not Detected
1,1-Dichloroethane	1.2	Not Detected	4.8	Not Detected
2-Butanone (Methyl Ethyl Ketone)	1.2	4.4	3.5	13
cis-1,2-Dichloroethene	1.2	Not Detected	4.7	Not Detected
Tetrahydrofuran	1.2	Not Detected	3.5	Not Detected
Chloroform	1.2	Not Detected	5.8	Not Detected
1,1,1-Trichloroethane	1.2	Not Detected	6.5	Not Detected
Cyclohexane	1.2	Not Detected	4.1	Not Detected
Carbon Tetrachloride	1.2	Not Detected	7.5	Not Detected
2,2,4-Trimethylpentane	1.2	Not Detected	5.6	Not Detected
Benzene	1.2	Not Detected	3.8	Not Detected
1,2-Dichloroethane	1.2	Not Detected	4.8	Not Detected
Heptane	1.2	Not Detected	4.9	Not Detected
Trichloroethene	1.2	Not Detected	6.4	Not Detected
1,2-Dichloropropane	1.2	Not Detected	5.5	Not Detected
1,4-Dioxane	4.8	Not Detected	17	Not Detected
Bromodichloromethane	1.2	Not Detected	8.0	Not Detected
cis-1,3-Dichloropropene	1.2	Not Detected	5.4	Not Detected
4-Methyl-2-pentanone	1.2	Not Detected	4.9	Not Detected
Toluene	1.2	Not Detected	4.5	Not Detected
trans-1,3-Dichloropropene	1.2	Not Detected	5.4	Not Detected

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: PVP-3A

Lab ID#: 0707403-07A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7072421**	**Date of Collection:**	**7/23/07**
Dil. Factor:	**2.38**	**Date of Analysis:**	**7/24/07 11:55 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
1,1,2-Trichloroethane	1.2	Not Detected	6.5	Not Detected
Tetrachloroethene	1.2	Not Detected	8.1	Not Detected
2-Hexanone	4.8	Not Detected	19	Not Detected
Dibromochloromethane	1.2	Not Detected	10	Not Detected
1,2-Dibromoethane (EDB)	1.2	Not Detected	9.1	Not Detected
Chlorobenzene	1.2	Not Detected	5.5	Not Detected
Ethyl Benzene	1.2	Not Detected	5.2	Not Detected
m,p-Xylene	1.2	Not Detected	5.2	Not Detected
o-Xylene	1.2	Not Detected	5.2	Not Detected
Styrene	1.2	Not Detected	5.1	Not Detected
Bromoform	1.2	Not Detected	12	Not Detected
Cumene	1.2	Not Detected	5.8	Not Detected
1,1,2,2-Tetrachloroethane	1.2	Not Detected	8.2	Not Detected
Propylbenzene	1.2	Not Detected	5.8	Not Detected
4-Ethyltoluene	1.2	Not Detected	5.8	Not Detected
1,3,5-Trimethylbenzene	1.2	Not Detected	5.8	Not Detected
1,2,4-Trimethylbenzene	1.2	Not Detected	5.8	Not Detected
1,3-Dichlorobenzene	1.2	Not Detected	7.2	Not Detected
1,4-Dichlorobenzene	1.2	Not Detected	7.2	Not Detected
alpha-Chlorotoluene	1.2	Not Detected	6.2	Not Detected
1,2-Dichlorobenzene	1.2	Not Detected	7.2	Not Detected
1,2,4-Trichlorobenzene	4.8	Not Detected	35	Not Detected
Hexachlorobutadiene	4.8	Not Detected	51	Not Detected

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount ppbv
Vinyl Acetate	108-05-4	NA	Not Detected
trans-1,4-Dichloro-2-butene	110-57-6	NA	Not Detected
Iodomethane	74-88-4	NA	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
Toluene-d8	85	70-130
1,2-Dichloroethane-d4	98	70-130
4-Bromofluorobenzene	98	70-130

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: PVP-4A

Lab ID#: 0707403-08A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7072423**	**Date of Collection:**	**7/23/07**
Dil. Factor:	**2.38**	**Date of Analysis:**	**7/25/07 02:20 AM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	1.2	8.3	5.9	41
Freon 114	1.2	Not Detected	8.3	Not Detected
Chloromethane	4.8	Not Detected	9.8	Not Detected
Vinyl Chloride	1.2	Not Detected	3.0	Not Detected
1,3-Butadiene	1.2	Not Detected	2.6	Not Detected
Bromomethane	1.2	Not Detected	4.6	Not Detected
Chloroethane	1.2	Not Detected	3.1	Not Detected
Freon 11	1.2	Not Detected	6.7	Not Detected
Ethanol	4.8	Not Detected	9.0	Not Detected
Freon 113	1.2	Not Detected	9.1	Not Detected
1,1-Dichloroethene	1.2	Not Detected	4.7	Not Detected
Acetone	4.8	Not Detected	11	Not Detected
2-Propanol	4.8	Not Detected	12	Not Detected
Carbon Disulfide	1.2	Not Detected	3.7	Not Detected
3-Chloropropene	4.8	Not Detected	15	Not Detected
Methylene Chloride	1.2	Not Detected	4.1	Not Detected
Methyl tert-butyl ether	1.2	Not Detected	4.3	Not Detected
trans-1,2-Dichloroethene	1.2	Not Detected	4.7	Not Detected
Hexane	1.2	Not Detected	4.2	Not Detected
1,1-Dichloroethane	1.2	Not Detected	4.8	Not Detected
2-Butanone (Methyl Ethyl Ketone)	1.2	1.4	3.5	4.2
cis-1,2-Dichloroethene	1.2	Not Detected	4.7	Not Detected
Tetrahydrofuran	1.2	Not Detected	3.5	Not Detected
Chloroform	1.2	Not Detected	5.8	Not Detected
1,1,1-Trichloroethane	1.2	Not Detected	6.5	Not Detected
Cyclohexane	1.2	Not Detected	4.1	Not Detected
Carbon Tetrachloride	1.2	Not Detected	7.5	Not Detected
2,2,4-Trimethylpentane	1.2	Not Detected	5.6	Not Detected
Benzene	1.2	Not Detected	3.8	Not Detected
1,2-Dichloroethane	1.2	Not Detected	4.8	Not Detected
Heptane	1.2	Not Detected	4.9	Not Detected
Trichloroethene	1.2	Not Detected	6.4	Not Detected
1,2-Dichloropropane	1.2	Not Detected	5.5	Not Detected
1,4-Dioxane	4.8	Not Detected	17	Not Detected
Bromodichloromethane	1.2	Not Detected	8.0	Not Detected
cis-1,3-Dichloropropene	1.2	Not Detected	5.4	Not Detected
4-Methyl-2-pentanone	1.2	Not Detected	4.9	Not Detected
Toluene	1.2	Not Detected	4.5	Not Detected
trans-1,3-Dichloropropene	1.2	Not Detected	5.4	Not Detected

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: PVP-4A

Lab ID#: 0707403-08A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7072423**	**Date of Collection:**	**7/23/07**
Dil. Factor:	**2.38**	**Date of Analysis:**	**7/25/07 02:20 AM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
1,1,2-Trichloroethane	1.2	Not Detected	6.5	Not Detected
Tetrachloroethene	1.2	3.8	8.1	26
2-Hexanone	4.8	Not Detected	19	Not Detected
Dibromochloromethane	1.2	Not Detected	10	Not Detected
1,2-Dibromoethane (EDB)	1.2	Not Detected	9.1	Not Detected
Chlorobenzene	1.2	Not Detected	5.5	Not Detected
Ethyl Benzene	1.2	Not Detected	5.2	Not Detected
m,p-Xylene	1.2	Not Detected	5.2	Not Detected
o-Xylene	1.2	Not Detected	5.2	Not Detected
Styrene	1.2	Not Detected	5.1	Not Detected
Bromoform	1.2	Not Detected	12	Not Detected
Cumene	1.2	Not Detected	5.8	Not Detected
1,1,2,2-Tetrachloroethane	1.2	Not Detected	8.2	Not Detected
Propylbenzene	1.2	Not Detected	5.8	Not Detected
4-Ethyltoluene	1.2	Not Detected	5.8	Not Detected
1,3,5-Trimethylbenzene	1.2	Not Detected	5.8	Not Detected
1,2,4-Trimethylbenzene	1.2	Not Detected	5.8	Not Detected
1,3-Dichlorobenzene	1.2	Not Detected	7.2	Not Detected
1,4-Dichlorobenzene	1.2	Not Detected	7.2	Not Detected
alpha-Chlorotoluene	1.2	Not Detected	6.2	Not Detected
1,2-Dichlorobenzene	1.2	Not Detected	7.2	Not Detected
1,2,4-Trichlorobenzene	4.8	Not Detected	35	Not Detected
Hexachlorobutadiene	4.8	Not Detected	51	Not Detected

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount ppbv
Vinyl Acetate	108-05-4	NA	Not Detected
trans-1,4-Dichloro-2-butene	110-57-6	NA	Not Detected
Iodomethane	74-88-4	NA	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
Toluene-d8	86	70-130
1,2-Dichloroethane-d4	93	70-130
4-Bromofluorobenzene	117	70-130

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: PVP-4C

Lab ID#: 0707403-09A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7072424**	**Date of Collection:**	**7/23/07**
Dil. Factor:	**2.53**	**Date of Analysis:**	**7/25/07 03:04 AM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	1.3	7.4	6.2	36
Freon 114	1.3	Not Detected	8.8	Not Detected
Chloromethane	5.1	Not Detected	10	Not Detected
Vinyl Chloride	1.3	Not Detected	3.2	Not Detected
1,3-Butadiene	1.3	Not Detected	2.8	Not Detected
Bromomethane	1.3	Not Detected	4.9	Not Detected
Chloroethane	1.3	Not Detected	3.3	Not Detected
Freon 11	1.3	Not Detected	7.1	Not Detected
Ethanol	5.1	Not Detected	9.5	Not Detected
Freon 113	1.3	Not Detected	9.7	Not Detected
1,1-Dichloroethene	1.3	Not Detected	5.0	Not Detected
Acetone	5.1	11	12	26
2-Propanol	5.1	Not Detected	12	Not Detected
Carbon Disulfide	1.3	Not Detected	3.9	Not Detected
3-Chloropropene	5.1	Not Detected	16	Not Detected
Methylene Chloride	1.3	Not Detected	4.4	Not Detected
Methyl tert-butyl ether	1.3	Not Detected	4.6	Not Detected
trans-1,2-Dichloroethene	1.3	Not Detected	5.0	Not Detected
Hexane	1.3	Not Detected	4.4	Not Detected
1,1-Dichloroethane	1.3	Not Detected	5.1	Not Detected
2-Butanone (Methyl Ethyl Ketone)	1.3	3.4	3.7	10
cis-1,2-Dichloroethene	1.3	Not Detected	5.0	Not Detected
Tetrahydrofuran	1.3	Not Detected	3.7	Not Detected
Chloroform	1.3	Not Detected	6.2	Not Detected
1,1,1-Trichloroethane	1.3	Not Detected	6.9	Not Detected
Cyclohexane	1.3	Not Detected	4.4	Not Detected
Carbon Tetrachloride	1.3	Not Detected	8.0	Not Detected
2,2,4-Trimethylpentane	1.3	Not Detected	5.9	Not Detected
Benzene	1.3	Not Detected	4.0	Not Detected
1,2-Dichloroethane	1.3	Not Detected	5.1	Not Detected
Heptane	1.3	Not Detected	5.2	Not Detected
Trichloroethene	1.3	Not Detected	6.8	Not Detected
1,2-Dichloropropane	1.3	Not Detected	5.8	Not Detected
1,4-Dioxane	5.1	Not Detected	18	Not Detected
Bromodichloromethane	1.3	Not Detected	8.5	Not Detected
cis-1,3-Dichloropropene	1.3	Not Detected	5.7	Not Detected
4-Methyl-2-pentanone	1.3	Not Detected	5.2	Not Detected
Toluene	1.3	Not Detected	4.8	Not Detected
trans-1,3-Dichloropropene	1.3	Not Detected	5.7	Not Detected

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: PVP-4C

Lab ID#: 0707403-09A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7072424**	**Date of Collection:**	**7/23/07**
Dil. Factor:	**2.53**	**Date of Analysis:**	**7/25/07 03:04 AM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
1,1,2-Trichloroethane	1.3	Not Detected	6.9	Not Detected
Tetrachloroethene	1.3	3.8	8.6	26
2-Hexanone	5.1	Not Detected	21	Not Detected
Dibromochloromethane	1.3	Not Detected	11	Not Detected
1,2-Dibromoethane (EDB)	1.3	Not Detected	9.7	Not Detected
Chlorobenzene	1.3	Not Detected	5.8	Not Detected
Ethyl Benzene	1.3	Not Detected	5.5	Not Detected
m,p-Xylene	1.3	Not Detected	5.5	Not Detected
o-Xylene	1.3	Not Detected	5.5	Not Detected
Styrene	1.3	Not Detected	5.4	Not Detected
Bromoform	1.3	Not Detected	13	Not Detected
Cumene	1.3	Not Detected	6.2	Not Detected
1,1,2,2-Tetrachloroethane	1.3	Not Detected	8.7	Not Detected
Propylbenzene	1.3	Not Detected	6.2	Not Detected
4-Ethyltoluene	1.3	Not Detected	6.2	Not Detected
1,3,5-Trimethylbenzene	1.3	Not Detected	6.2	Not Detected
1,2,4-Trimethylbenzene	1.3	Not Detected	6.2	Not Detected
1,3-Dichlorobenzene	1.3	Not Detected	7.6	Not Detected
1,4-Dichlorobenzene	1.3	Not Detected	7.6	Not Detected
alpha-Chlorotoluene	1.3	Not Detected	6.5	Not Detected
1,2-Dichlorobenzene	1.3	Not Detected	7.6	Not Detected
1,2,4-Trichlorobenzene	5.1	Not Detected	38	Not Detected
Hexachlorobutadiene	5.1	Not Detected	54	Not Detected

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount ppbv
Vinyl Acetate	108-05-4	NA	Not Detected
trans-1,4-Dichloro-2-butene	110-57-6	NA	Not Detected
Iodomethane	74-88-4	NA	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
Toluene-d8	72	70-130
1,2-Dichloroethane-d4	101	70-130
4-Bromofluorobenzene	100	70-130

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: VW-2A

Lab ID#: 0707403-10A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7072425**	**Date of Collection:**	**7/23/07**
Dil. Factor:	**2.38**	**Date of Analysis:**	**7/25/07 03:53 AM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	1.2	Not Detected	5.9	Not Detected
Freon 114	1.2	Not Detected	8.3	Not Detected
Chloromethane	4.8	Not Detected	9.8	Not Detected
Vinyl Chloride	1.2	Not Detected	3.0	Not Detected
1,3-Butadiene	1.2	Not Detected	2.6	Not Detected
Bromomethane	1.2	Not Detected	4.6	Not Detected
Chloroethane	1.2	Not Detected	3.1	Not Detected
Freon 11	1.2	Not Detected	6.7	Not Detected
Ethanol	4.8	Not Detected	9.0	Not Detected
Freon 113	1.2	Not Detected	9.1	Not Detected
1,1-Dichloroethene	1.2	Not Detected	4.7	Not Detected
Acetone	4.8	4.7 J	11	11
2-Propanol	4.8	Not Detected	12	Not Detected
Carbon Disulfide	1.2	Not Detected	3.7	Not Detected
3-Chloropropene	4.8	Not Detected	15	Not Detected
Methylene Chloride	1.2	Not Detected	4.1	Not Detected
Methyl tert-butyl ether	1.2	Not Detected	4.3	Not Detected
trans-1,2-Dichloroethene	1.2	Not Detected	4.7	Not Detected
Hexane	1.2	Not Detected	4.2	Not Detected
1,1-Dichloroethane	1.2	Not Detected	4.8	Not Detected
2-Butanone (Methyl Ethyl Ketone)	1.2	2.2	3.5	6.4
cis-1,2-Dichloroethene	1.2	Not Detected	4.7	Not Detected
Tetrahydrofuran	1.2	Not Detected	3.5	Not Detected
Chloroform	1.2	Not Detected	5.8	Not Detected
1,1,1-Trichloroethane	1.2	Not Detected	6.5	Not Detected
Cyclohexane	1.2	Not Detected	4.1	Not Detected
Carbon Tetrachloride	1.2	Not Detected	7.5	Not Detected
2,2,4-Trimethylpentane	1.2	Not Detected	5.6	Not Detected
Benzene	1.2	Not Detected	3.8	Not Detected
1,2-Dichloroethane	1.2	Not Detected	4.8	Not Detected
Heptane	1.2	Not Detected	4.9	Not Detected
Trichloroethene	1.2	Not Detected	6.4	Not Detected
1,2-Dichloropropane	1.2	Not Detected	5.5	Not Detected
1,4-Dioxane	4.8	Not Detected	17	Not Detected
Bromodichloromethane	1.2	Not Detected	8.0	Not Detected
cis-1,3-Dichloropropene	1.2	Not Detected	5.4	Not Detected
4-Methyl-2-pentanone	1.2	Not Detected	4.9	Not Detected
Toluene	1.2	Not Detected	4.5	Not Detected
trans-1,3-Dichloropropene	1.2	Not Detected	5.4	Not Detected

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: VW-2A

Lab ID#: 0707403-10A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7072425**	**Date of Collection:**	**7/23/07**
Dil. Factor:	**2.38**	**Date of Analysis:**	**7/25/07 03:53 AM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
1,1,2-Trichloroethane	1.2	Not Detected	6.5	Not Detected
Tetrachloroethene	1.2	Not Detected	8.1	Not Detected
2-Hexanone	4.8	Not Detected	19	Not Detected
Dibromochloromethane	1.2	Not Detected	10	Not Detected
1,2-Dibromoethane (EDB)	1.2	Not Detected	9.1	Not Detected
Chlorobenzene	1.2	Not Detected	5.5	Not Detected
Ethyl Benzene	1.2	Not Detected	5.2	Not Detected
m,p-Xylene	1.2	Not Detected	5.2	Not Detected
o-Xylene	1.2	Not Detected	5.2	Not Detected
Styrene	1.2	Not Detected	5.1	Not Detected
Bromoform	1.2	Not Detected	12	Not Detected
Cumene	1.2	Not Detected	5.8	Not Detected
1,1,2,2-Tetrachloroethane	1.2	Not Detected	8.2	Not Detected
Propylbenzene	1.2	Not Detected	5.8	Not Detected
4-Ethyltoluene	1.2	Not Detected	5.8	Not Detected
1,3,5-Trimethylbenzene	1.2	Not Detected	5.8	Not Detected
1,2,4-Trimethylbenzene	1.2	Not Detected	5.8	Not Detected
1,3-Dichlorobenzene	1.2	Not Detected	7.2	Not Detected
1,4-Dichlorobenzene	1.2	Not Detected	7.2	Not Detected
alpha-Chlorotoluene	1.2	Not Detected	6.2	Not Detected
1,2-Dichlorobenzene	1.2	Not Detected	7.2	Not Detected
1,2,4-Trichlorobenzene	4.8	Not Detected	35	Not Detected
Hexachlorobutadiene	4.8	Not Detected	51	Not Detected

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount ppbv
Vinyl Acetate	108-05-4	NA	Not Detected
trans-1,4-Dichloro-2-butene	110-57-6	NA	Not Detected
Iodomethane	74-88-4	NA	Not Detected

J = Estimated value.

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
Toluene-d8	101	70-130
1,2-Dichloroethane-d4	96	70-130
4-Bromofluorobenzene	96	70-130

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: VW-4A

Lab ID#: 0707403-11A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7072426**	**Date of Collection:**	**7/23/07**
Dil. Factor:	**2.29**	**Date of Analysis:**	**7/25/07 04:53 AM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	1.1	2.8	5.7	14
Freon 114	1.1	Not Detected	8.0	Not Detected
Chloromethane	4.6	Not Detected	9.4	Not Detected
Vinyl Chloride	1.1	Not Detected	2.9	Not Detected
1,3-Butadiene	1.1	Not Detected	2.5	Not Detected
Bromomethane	1.1	Not Detected	4.4	Not Detected
Chloroethane	1.1	Not Detected	3.0	Not Detected
Freon 11	1.1	Not Detected	6.4	Not Detected
Ethanol	4.6	Not Detected	8.6	Not Detected
Freon 113	1.1	Not Detected	8.8	Not Detected
1,1-Dichloroethene	1.1	Not Detected	4.5	Not Detected
Acetone	4.6	Not Detected	11	Not Detected
2-Propanol	4.6	Not Detected	11	Not Detected
Carbon Disulfide	1.1	Not Detected	3.6	Not Detected
3-Chloropropene	4.6	Not Detected	14	Not Detected
Methylene Chloride	1.1	Not Detected	4.0	Not Detected
Methyl tert-butyl ether	1.1	Not Detected	4.1	Not Detected
trans-1,2-Dichloroethene	1.1	Not Detected	4.5	Not Detected
Hexane	1.1	Not Detected	4.0	Not Detected
1,1-Dichloroethane	1.1	Not Detected	4.6	Not Detected
2-Butanone (Methyl Ethyl Ketone)	1.1	1.2	3.4	3.6
cis-1,2-Dichloroethene	1.1	Not Detected	4.5	Not Detected
Tetrahydrofuran	1.1	Not Detected	3.4	Not Detected
Chloroform	1.1	Not Detected	5.6	Not Detected
1,1,1-Trichloroethane	1.1	Not Detected	6.2	Not Detected
Cyclohexane	1.1	Not Detected	3.9	Not Detected
Carbon Tetrachloride	1.1	Not Detected	7.2	Not Detected
2,2,4-Trimethylpentane	1.1	Not Detected	5.3	Not Detected
Benzene	1.1	Not Detected	3.6	Not Detected
1,2-Dichloroethane	1.1	Not Detected	4.6	Not Detected
Heptane	1.1	Not Detected	4.7	Not Detected
Trichloroethene	1.1	Not Detected	6.2	Not Detected
1,2-Dichloropropane	1.1	Not Detected	5.3	Not Detected
1,4-Dioxane	4.6	Not Detected	16	Not Detected
Bromodichloromethane	1.1	Not Detected	7.7	Not Detected
cis-1,3-Dichloropropene	1.1	Not Detected	5.2	Not Detected
4-Methyl-2-pentanone	1.1	Not Detected	4.7	Not Detected
Toluene	1.1	Not Detected	4.3	Not Detected
trans-1,3-Dichloropropene	1.1	Not Detected	5.2	Not Detected

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: VW-4A

Lab ID#: 0707403-11A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7072426**	**Date of Collection:**	**7/23/07**
Dil. Factor:	**2.29**	**Date of Analysis:**	**7/25/07 04:53 AM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
1,1,2-Trichloroethane	1.1	Not Detected	6.2	Not Detected
Tetrachloroethene	1.1	62	7.8	420
2-Hexanone	4.6	Not Detected	19	Not Detected
Dibromochloromethane	1.1	Not Detected	9.8	Not Detected
1,2-Dibromoethane (EDB)	1.1	Not Detected	8.8	Not Detected
Chlorobenzene	1.1	Not Detected	5.3	Not Detected
Ethyl Benzene	1.1	Not Detected	5.0	Not Detected
m,p-Xylene	1.1	Not Detected	5.0	Not Detected
o-Xylene	1.1	Not Detected	5.0	Not Detected
Styrene	1.1	Not Detected	4.9	Not Detected
Bromoform	1.1	Not Detected	12	Not Detected
Cumene	1.1	Not Detected	5.6	Not Detected
1,1,2,2-Tetrachloroethane	1.1	Not Detected	7.9	Not Detected
Propylbenzene	1.1	Not Detected	5.6	Not Detected
4-Ethyltoluene	1.1	Not Detected	5.6	Not Detected
1,3,5-Trimethylbenzene	1.1	Not Detected	5.6	Not Detected
1,2,4-Trimethylbenzene	1.1	Not Detected	5.6	Not Detected
1,3-Dichlorobenzene	1.1	Not Detected	6.9	Not Detected
1,4-Dichlorobenzene	1.1	Not Detected	6.9	Not Detected
alpha-Chlorotoluene	1.1	Not Detected	5.9	Not Detected
1,2-Dichlorobenzene	1.1	Not Detected	6.9	Not Detected
1,2,4-Trichlorobenzene	4.6	Not Detected	34	Not Detected
Hexachlorobutadiene	4.6	Not Detected	49	Not Detected

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount ppbv
Vinyl Acetate	108-05-4	NA	Not Detected
trans-1,4-Dichloro-2-butene	110-57-6	NA	Not Detected
Iodomethane	74-88-4	NA	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
Toluene-d8	87	70-130
1,2-Dichloroethane-d4	118	70-130
4-Bromofluorobenzene	81	70-130

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: VW-4B

Lab ID#: 0707403-12A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7072427**	**Date of Collection:**	**7/23/07**
Dil. Factor:	**2.33**	**Date of Analysis:**	**7/25/07 05:39 AM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	1.2	3.6	5.8	18
Freon 114	1.2	Not Detected	8.1	Not Detected
Chloromethane	4.7	Not Detected	9.6	Not Detected
Vinyl Chloride	1.2	Not Detected	3.0	Not Detected
1,3-Butadiene	1.2	Not Detected	2.6	Not Detected
Bromomethane	1.2	Not Detected	4.5	Not Detected
Chloroethane	1.2	Not Detected	3.1	Not Detected
Freon 11	1.2	Not Detected	6.5	Not Detected
Ethanol	4.7	Not Detected	8.8	Not Detected
Freon 113	1.2	1.7	8.9	13
1,1-Dichloroethene	1.2	Not Detected	4.6	Not Detected
Acetone	4.7	Not Detected	11	Not Detected
2-Propanol	4.7	Not Detected	11	Not Detected
Carbon Disulfide	1.2	Not Detected	3.6	Not Detected
3-Chloropropene	4.7	Not Detected	14	Not Detected
Methylene Chloride	1.2	Not Detected	4.0	Not Detected
Methyl tert-butyl ether	1.2	Not Detected	4.2	Not Detected
trans-1,2-Dichloroethene	1.2	Not Detected	4.6	Not Detected
Hexane	1.2	Not Detected	4.1	Not Detected
1,1-Dichloroethane	1.2	Not Detected	4.7	Not Detected
2-Butanone (Methyl Ethyl Ketone)	1.2	1.5	3.4	4.6
cis-1,2-Dichloroethene	1.2	Not Detected	4.6	Not Detected
Tetrahydrofuran	1.2	Not Detected	3.4	Not Detected
Chloroform	1.2	Not Detected	5.7	Not Detected
1,1,1-Trichloroethane	1.2	Not Detected	6.4	Not Detected
Cyclohexane	1.2	Not Detected	4.0	Not Detected
Carbon Tetrachloride	1.2	Not Detected	7.3	Not Detected
2,2,4-Trimethylpentane	1.2	Not Detected	5.4	Not Detected
Benzene	1.2	Not Detected	3.7	Not Detected
1,2-Dichloroethane	1.2	Not Detected	4.7	Not Detected
Heptane	1.2	Not Detected	4.8	Not Detected
Trichloroethene	1.2	Not Detected	6.3	Not Detected
1,2-Dichloropropane	1.2	Not Detected	5.4	Not Detected
1,4-Dioxane	4.7	Not Detected	17	Not Detected
Bromodichloromethane	1.2	Not Detected	7.8	Not Detected
cis-1,3-Dichloropropene	1.2	Not Detected	5.3	Not Detected
4-Methyl-2-pentanone	1.2	Not Detected	4.8	Not Detected
Toluene	1.2	Not Detected	4.4	Not Detected
trans-1,3-Dichloropropene	1.2	Not Detected	5.3	Not Detected

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: VW-4B

Lab ID#: 0707403-12A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7072427**	**Date of Collection:**	**7/23/07**
Dil. Factor:	**2.33**	**Date of Analysis:**	**7/25/07 05:39 AM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
1,1,2-Trichloroethane	1.2	Not Detected	6.4	Not Detected
Tetrachloroethene	1.2	69	7.9	460
2-Hexanone	4.7	Not Detected	19	Not Detected
Dibromochloromethane	1.2	Not Detected	9.9	Not Detected
1,2-Dibromoethane (EDB)	1.2	Not Detected	9.0	Not Detected
Chlorobenzene	1.2	Not Detected	5.4	Not Detected
Ethyl Benzene	1.2	Not Detected	5.0	Not Detected
m,p-Xylene	1.2	Not Detected	5.0	Not Detected
o-Xylene	1.2	Not Detected	5.0	Not Detected
Styrene	1.2	Not Detected	5.0	Not Detected
Bromoform	1.2	Not Detected	12	Not Detected
Cumene	1.2	Not Detected	5.7	Not Detected
1,1,2,2-Tetrachloroethane	1.2	Not Detected	8.0	Not Detected
Propylbenzene	1.2	Not Detected	5.7	Not Detected
4-Ethyltoluene	1.2	Not Detected	5.7	Not Detected
1,3,5-Trimethylbenzene	1.2	Not Detected	5.7	Not Detected
1,2,4-Trimethylbenzene	1.2	Not Detected	5.7	Not Detected
1,3-Dichlorobenzene	1.2	Not Detected	7.0	Not Detected
1,4-Dichlorobenzene	1.2	Not Detected	7.0	Not Detected
alpha-Chlorotoluene	1.2	Not Detected	6.0	Not Detected
1,2-Dichlorobenzene	1.2	Not Detected	7.0	Not Detected
1,2,4-Trichlorobenzene	4.7	Not Detected	34	Not Detected
Hexachlorobutadiene	4.7	Not Detected	50	Not Detected

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount ppbv
Vinyl Acetate	108-05-4	NA	Not Detected
trans-1,4-Dichloro-2-butene	110-57-6	NA	Not Detected
Iodomethane	74-88-4	NA	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
Toluene-d8	71	70-130
1,2-Dichloroethane-d4	106	70-130
4-Bromofluorobenzene	95	70-130

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: QCTB

Lab ID#: 0707403-13A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7072428**	**Date of Collection: 7/23/07**	
Dil. Factor:	**1.00**	**Date of Analysis: 7/25/07 06:17 AM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.50	Not Detected	2.5	Not Detected
Freon 114	0.50	Not Detected	3.5	Not Detected
Chloromethane	2.0	Not Detected	4.1	Not Detected
Vinyl Chloride	0.50	Not Detected	1.3	Not Detected
1,3-Butadiene	0.50	Not Detected	1.1	Not Detected
Bromomethane	0.50	Not Detected	1.9	Not Detected
Chloroethane	0.50	Not Detected	1.3	Not Detected
Freon 11	0.50	Not Detected	2.8	Not Detected
Ethanol	2.0	Not Detected	3.8	Not Detected
Freon 113	0.50	Not Detected	3.8	Not Detected
1,1-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Acetone	2.0	Not Detected	4.8	Not Detected
2-Propanol	2.0	Not Detected	4.9	Not Detected
Carbon Disulfide	0.50	Not Detected	1.6	Not Detected
3-Chloropropene	2.0	Not Detected	6.3	Not Detected
Methylene Chloride	0.50	Not Detected	1.7	Not Detected
Methyl tert-butyl ether	0.50	Not Detected	1.8	Not Detected
trans-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Hexane	0.50	Not Detected	1.8	Not Detected
1,1-Dichloroethane	0.50	Not Detected	2.0	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.50	Not Detected	1.5	Not Detected
cis-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Tetrahydrofuran	0.50	Not Detected	1.5	Not Detected
Chloroform	0.50	Not Detected	2.4	Not Detected
1,1,1-Trichloroethane	0.50	Not Detected	2.7	Not Detected
Cyclohexane	0.50	Not Detected	1.7	Not Detected
Carbon Tetrachloride	0.50	Not Detected	3.1	Not Detected
2,2,4-Trimethylpentane	0.50	Not Detected	2.3	Not Detected
Benzene	0.50	Not Detected	1.6	Not Detected
1,2-Dichloroethane	0.50	Not Detected	2.0	Not Detected
Heptane	0.50	Not Detected	2.0	Not Detected
Trichloroethene	0.50	Not Detected	2.7	Not Detected
1,2-Dichloropropane	0.50	Not Detected	2.3	Not Detected
1,4-Dioxane	2.0	Not Detected	7.2	Not Detected
Bromodichloromethane	0.50	Not Detected	3.4	Not Detected
cis-1,3-Dichloropropene	0.50	Not Detected	2.3	Not Detected
4-Methyl-2-pentanone	0.50	Not Detected	2.0	Not Detected
Toluene	0.50	Not Detected	1.9	Not Detected
trans-1,3-Dichloropropene	0.50	Not Detected	2.3	Not Detected

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: QCTB

Lab ID#: 0707403-13A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7072428**	**Date of Collection:**	**7/23/07**
Dil. Factor:	**1.00**	**Date of Analysis:**	**7/25/07 06:17 AM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
1,1,2-Trichloroethane	0.50	Not Detected	2.7	Not Detected
Tetrachloroethene	0.50	Not Detected	3.4	Not Detected
2-Hexanone	2.0	Not Detected	8.2	Not Detected
Dibromochloromethane	0.50	Not Detected	4.2	Not Detected
1,2-Dibromoethane (EDB)	0.50	Not Detected	3.8	Not Detected
Chlorobenzene	0.50	Not Detected	2.3	Not Detected
Ethyl Benzene	0.50	Not Detected	2.2	Not Detected
m,p-Xylene	0.50	Not Detected	2.2	Not Detected
o-Xylene	0.50	Not Detected	2.2	Not Detected
Styrene	0.50	Not Detected	2.1	Not Detected
Bromoform	0.50	Not Detected	5.2	Not Detected
Cumene	0.50	Not Detected	2.4	Not Detected
1,1,2,2-Tetrachloroethane	0.50	Not Detected	3.4	Not Detected
Propylbenzene	0.50	Not Detected	2.4	Not Detected
4-Ethyltoluene	0.50	Not Detected	2.4	Not Detected
1,3,5-Trimethylbenzene	0.50	Not Detected	2.4	Not Detected
1,2,4-Trimethylbenzene	0.50	Not Detected	2.4	Not Detected
1,3-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
1,4-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
alpha-Chlorotoluene	0.50	Not Detected	2.6	Not Detected
1,2-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
1,2,4-Trichlorobenzene	2.0	Not Detected	15	Not Detected
Hexachlorobutadiene	2.0	Not Detected	21	Not Detected

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount ppbv
Vinyl Acetate	108-05-4	NA	Not Detected
trans-1,4-Dichloro-2-butene	110-57-6	NA	Not Detected
Iodomethane	74-88-4	NA	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
Toluene-d8	88	70-130
1,2-Dichloroethane-d4	106	70-130
4-Bromofluorobenzene	92	70-130

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Lab Blank

Lab ID#: 0707403-14A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7072405**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 7/24/07 11:27 AM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.50	Not Detected	2.5	Not Detected
Freon 114	0.50	Not Detected	3.5	Not Detected
Chloromethane	2.0	Not Detected	4.1	Not Detected
Vinyl Chloride	0.50	Not Detected	1.3	Not Detected
1,3-Butadiene	0.50	Not Detected	1.1	Not Detected
Bromomethane	0.50	Not Detected	1.9	Not Detected
Chloroethane	0.50	Not Detected	1.3	Not Detected
Freon 11	0.50	Not Detected	2.8	Not Detected
Ethanol	2.0	Not Detected	3.8	Not Detected
Freon 113	0.50	Not Detected	3.8	Not Detected
1,1-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Acetone	2.0	Not Detected	4.8	Not Detected
2-Propanol	2.0	Not Detected	4.9	Not Detected
Carbon Disulfide	0.50	Not Detected	1.6	Not Detected
3-Chloropropene	2.0	Not Detected	6.3	Not Detected
Methylene Chloride	0.50	Not Detected	1.7	Not Detected
Methyl tert-butyl ether	0.50	Not Detected	1.8	Not Detected
trans-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Hexane	0.50	Not Detected	1.8	Not Detected
1,1-Dichloroethane	0.50	Not Detected	2.0	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.50	Not Detected	1.5	Not Detected
cis-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Tetrahydrofuran	0.50	Not Detected	1.5	Not Detected
Chloroform	0.50	Not Detected	2.4	Not Detected
1,1,1-Trichloroethane	0.50	Not Detected	2.7	Not Detected
Cyclohexane	0.50	Not Detected	1.7	Not Detected
Carbon Tetrachloride	0.50	Not Detected	3.1	Not Detected
2,2,4-Trimethylpentane	0.50	Not Detected	2.3	Not Detected
Benzene	0.50	Not Detected	1.6	Not Detected
1,2-Dichloroethane	0.50	Not Detected	2.0	Not Detected
Heptane	0.50	Not Detected	2.0	Not Detected
Trichloroethene	0.50	Not Detected	2.7	Not Detected
1,2-Dichloropropane	0.50	Not Detected	2.3	Not Detected
1,4-Dioxane	2.0	Not Detected	7.2	Not Detected
Bromodichloromethane	0.50	Not Detected	3.4	Not Detected
cis-1,3-Dichloropropene	0.50	Not Detected	2.3	Not Detected
4-Methyl-2-pentanone	0.50	Not Detected	2.0	Not Detected
Toluene	0.50	Not Detected	1.9	Not Detected
trans-1,3-Dichloropropene	0.50	Not Detected	2.3	Not Detected

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Lab Blank

Lab ID#: 0707403-14A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7072405**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 7/24/07 11:27 AM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
1,1,2-Trichloroethane	0.50	Not Detected	2.7	Not Detected
Tetrachloroethene	0.50	Not Detected	3.4	Not Detected
2-Hexanone	2.0	Not Detected	8.2	Not Detected
Dibromochloromethane	0.50	Not Detected	4.2	Not Detected
1,2-Dibromoethane (EDB)	0.50	Not Detected	3.8	Not Detected
Chlorobenzene	0.50	Not Detected	2.3	Not Detected
Ethyl Benzene	0.50	Not Detected	2.2	Not Detected
m,p-Xylene	0.50	Not Detected	2.2	Not Detected
o-Xylene	0.50	Not Detected	2.2	Not Detected
Styrene	0.50	Not Detected	2.1	Not Detected
Bromoform	0.50	Not Detected	5.2	Not Detected
Cumene	0.50	Not Detected	2.4	Not Detected
1,1,2,2-Tetrachloroethane	0.50	Not Detected	3.4	Not Detected
Propylbenzene	0.50	Not Detected	2.4	Not Detected
4-Ethyltoluene	0.50	Not Detected	2.4	Not Detected
1,3,5-Trimethylbenzene	0.50	Not Detected	2.4	Not Detected
1,2,4-Trimethylbenzene	0.50	Not Detected	2.4	Not Detected
1,3-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
1,4-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
alpha-Chlorotoluene	0.50	Not Detected	2.6	Not Detected
1,2-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
1,2,4-Trichlorobenzene	2.0	Not Detected	15	Not Detected
Hexachlorobutadiene	2.0	Not Detected	21	Not Detected

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount ppbv
Vinyl Acetate	108-05-4	NA	Not Detected
trans-1,4-Dichloro-2-butene	110-57-6	NA	Not Detected
Iodomethane	74-88-4	NA	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	93	70-130
1,2-Dichloroethane-d4	125	70-130
4-Bromofluorobenzene	101	70-130

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: CCV

Lab ID#: 0707403-15A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7072402**	**Date of Collection: NA**
Dil. Factor:	**1.00**	**Date of Analysis: 7/24/07 09:18 AM**

Compound	%Recovery
Freon 12	91
Freon 114	97
Chloromethane	91
Vinyl Chloride	88
1,3-Butadiene	91
Bromomethane	88
Chloroethane	95
Freon 11	90
Ethanol	92
Freon 113	92
1,1-Dichloroethene	91
Acetone	90
2-Propanol	92
Carbon Disulfide	91
3-Chloropropene	90
Methylene Chloride	89
Methyl tert-butyl ether	110
trans-1,2-Dichloroethene	93
Hexane	116
1,1-Dichloroethane	118
2-Butanone (Methyl Ethyl Ketone)	121
cis-1,2-Dichloroethene	116
Tetrahydrofuran	117
Chloroform	111
1,1,1-Trichloroethane	110
Cyclohexane	114
Carbon Tetrachloride	109
2,2,4-Trimethylpentane	114
Benzene	128
1,2-Dichloroethane	129
Heptane	136 Q
Trichloroethene	107
1,2-Dichloropropane	107
1,4-Dioxane	106
Bromodichloromethane	102
cis-1,3-Dichloropropene	101
4-Methyl-2-pentanone	101
Toluene	96
trans-1,3-Dichloropropene	109

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: CCV

Lab ID#: 0707403-15A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7072402**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 7/24/07 09:18 AM**	

Compound	**%Recovery**
1,1,2-Trichloroethane	107
Tetrachloroethene	111
2-Hexanone	106
Dibromochloromethane	114
1,2-Dibromoethane (EDB)	109
Chlorobenzene	104
Ethyl Benzene	107
m,p-Xylene	105
o-Xylene	107
Styrene	118
Bromoform	116
Cumene	108
1,1,2,2-Tetrachloroethane	102
Propylbenzene	104
4-Ethyltoluene	107
1,3,5-Trimethylbenzene	116
1,2,4-Trimethylbenzene	128
1,3-Dichlorobenzene	122
1,4-Dichlorobenzene	124
alpha-Chlorotoluene	129
1,2-Dichlorobenzene	121
1,2,4-Trichlorobenzene	128
Hexachlorobutadiene	123

Q = Exceeds Quality Control limits.

Container Type: NA - Not Applicable

Surrogates	**%Recovery**	**Method Limits**
Toluene-d8	92	70-130
1,2-Dichloroethane-d4	104	70-130
4-Bromofluorobenzene	105	70-130

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: LCS

Lab ID#: 0707403-16A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7072403**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 7/24/07 10:00 AM**	

Compound	%Recovery
Freon 12	99
Freon 114	103
Chloromethane	104
Vinyl Chloride	104
1,3-Butadiene	104
Bromomethane	110
Chloroethane	113
Freon 11	104
Ethanol	117
Freon 113	120
1,1-Dichloroethene	121
Acetone	111
2-Propanol	113
Carbon Disulfide	110
3-Chloropropene	111
Methylene Chloride	116
Methyl tert-butyl ether	127
trans-1,2-Dichloroethene	113
Hexane	115
1,1-Dichloroethane	115
2-Butanone (Methyl Ethyl Ketone)	119
cis-1,2-Dichloroethene	113
Tetrahydrofuran	110
Chloroform	111
1,1,1-Trichloroethane	110
Cyclohexane	110
Carbon Tetrachloride	111
2,2,4-Trimethylpentane	113
Benzene	103
1,2-Dichloroethane	112
Heptane	111
Trichloroethene	108
1,2-Dichloropropane	115
1,4-Dioxane	106
Bromodichloromethane	103
cis-1,3-Dichloropropene	102
4-Methyl-2-pentanone	104
Toluene	85
trans-1,3-Dichloropropene	111

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: LCS

Lab ID#: 0707403-16A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7072403**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 7/24/07 10:00 AM**	

Compound	**%Recovery**
1,1,2-Trichloroethane	108
Tetrachloroethene	114
2-Hexanone	108
Dibromochloromethane	115
1,2-Dibromoethane (EDB)	106
Chlorobenzene	104
Ethyl Benzene	106
m,p-Xylene	103
o-Xylene	105
Styrene	115
Bromoform	114
Cumene	108
1,1,2,2-Tetrachloroethane	98
Propylbenzene	102
4-Ethyltoluene	104
1,3,5-Trimethylbenzene	101
1,2,4-Trimethylbenzene	103
1,3-Dichlorobenzene	102
1,4-Dichlorobenzene	102
alpha-Chlorotoluene	105
1,2-Dichlorobenzene	98
1,2,4-Trichlorobenzene	87
Hexachlorobutadiene	90

Container Type: NA - Not Applicable

Surrogates	**%Recovery**	**Method Limits**
Toluene-d8	79	70-130
1,2-Dichloroethane-d4	111	70-130
4-Bromofluorobenzene	104	70-130

Air Toxics LTD.

CHAIN-OF-CUSTODY RECORD

Sample Transportation Notice
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180 BLUE RAVINE ROAD, SUITE B
FOLSOM, CA 95630-4719
(916) 985-1000 FAX (916) 985-1020

Project Manager: CHRIS GALE
Collected by: (Print and Sign) D. SHOPPOW / S. MCCANDY
Company: GEOSYNTEC Email: cgale@geosyntec.com
Address: 10875 RANCHO BERNARDO, SUITE 200 City: SAN DIEGO State: CA Zip: 92127
Phone: 858-674-6559 Fax: –

Project Info:
P.O. #:
Project #: SC0233
Project Name: Poway

Turn Around Time:
☒ Normal
☐ Rush
specify

Lab Use Only
Pressurized by: VFA
Date: 7/24/07
Pressurization Gas: N_2 He

Lab I.D.	Field Sample I.D. (Location)	Can #	Date of Collection	Time of Collection	Analyses Requested	Canister Pressure/Vacuum Initial	Final	Receipt	Final (psi)
01A	PVP-6	33643	7/23/07	8:55	T015	-29	-3.5	5.5"Hg	15.0 psi
02A	PVP-1A	9446		10:32		-29	-3.5	6.5"Hg	
03A	PVP-2A	31776		11:31		-29.5	-2.0	5.5"Hg	
04A	VW-1B	33710		15:45		-29	-4.0	7.0"Hg	
05A	QCFB	34118		16:00		-29	-3.5	5.5"Hg	
06A	PVP-5	1472		4:04		-29.5	0.0	1.0"Hg	
07A	PVP-3A	3556		10:23		-30	-4	4.5"Hg	
08A	PVP-4A	1456		11:32		-30	-3.5	4.5"Hg	
09A	PVP-4C	33412		11:32		-30	-4.5	6.0"Hg	
10A	VW-2A	5692		14:01		-30	-3.5	4.5"Hg	

Relinquished by: (signature)	Date/Time	Received by: (signature)	Date/Time
[signature]	7/23/07 18:00	Monica Grossen AIR	7/24/07 845
Relinquished by: (signature)	Date/Time	Received by: (signature)	Date/Time
Relinquished by: (signature)	Date/Time	Received by: (signature)	Date/Time

Notes: * C. Gale [signature] S. RAGNES [signature] *SAMPLERS

Lab Use Only	Shipper Name	Air Bill #	Temp (°C)	Condition	Custody Seals Intact?	Work Order #
	FedEx	862078608984	N/A	GOOD	Yes No None	0707403

Form 1295 rev.11

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CHAIN-OF-CUSTODY RECORD

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FOLSOM, CA 95630-4719
(916) 985-1000 FAX (916) 985-1020

Page 2 of 2

Project Manager: CHRIS GAGLE
Collected by: (Print and Sign) D. SHADOW / S. MCCARTHY
Company: GEOSYNTEC Email: cgagle@geosyntec.com
Address: ~~11205~~ 10875 RANCHO BERNARDO RD City: SAN DIEGO State: CA Zip: 92127 Suite 200
Phone: 858-674-6554 Fax:

Project Info:
P.O. #:
Project #: 500233
Project Name: POWAY ~~LANDFILL~~

Turn Around Time: ☑ Normal ☐ Rush _____ specify

Lab Use Only
Pressurized by: VHG
Date: 7/24/07
Pressurization Gas: N_2 He

Lab I.D.	Field Sample I.D. (Location)	Can #	Date of Collection	Time of Collection	Analyses Requested	Canister Pressure/Vacuum Initial	Final	Receipt	Final (psi)
11A	VW-4A	34092	7/23/07	15:26	TO-15	-30	-30	3.5%	15.9psi
12A	VW-4B	9328	↓	16:18	↓	-30	-30	4.0%	↓
13A	OCTB	11628	↓	—	↓	—	—	28.5%	↓

Relinquished by: (signature)	Date/Time	Received by: (signature)	Date/Time
[signature]	7/23/07 18:00	Monica Gaggin ATL	7/24/07 8:45
Relinquished by: (signature)	Date/Time	Received by: (signature)	Date/Time
Relinquished by: (signature)	Date/Time	Received by: (signature)	Date/Time

Notes: SAMPLED: C. GALE [signature] S. AMMEI

Lab Use Only	Shipper Name	Air Bill #	Temp (°C)	Condition	Custody Seals Intact?	Work Order #
	Fed Ex	8620 7860 6984	NA	Good	Yes No None	0707403

WAY BILL # 8620 7860 6984

Form 1203 rev.11

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Air Toxics Ltd. Introduces the Electronic Report

Thank you for choosing Air Toxics Ltd. To better serve our customers, we are providing your report by e-mail. This document is provided in Portable Document Format which can be viewed with Acrobat Reader by Adobe.

This electronic report includes the following:

- Work order Summary;
- Laboratory Narrative;
- Results; and
- Chain of Custody (copy).

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630

(916) 985-1000 .FAX (916) 985-1020
Hours 8:00 A.M to 6:00 P.M. Pacific

AN ENVIRONMENTAL ANALYTICAL LABORATORY

WORK ORDER #: 0707431

Work Order Summary

CLIENT:	Mr. Chris Gale GeoSyntec Consultants 10875 Rancho Bernardo Road Suite 200 San Diego, CA 92127	**BILL TO:**	Mr. Chris Gale GeoSyntec Consultants 10875 Rancho Bernardo Road Suite 200 San Diego, CA 92127
PHONE:	858-674-6559	**P.O. #**	
FAX:	858-674-6586	**PROJECT #**	SC0233 Poway
DATE RECEIVED:	07/25/2007	**CONTACT:**	Kyle Vagadori
DATE COMPLETED:	08/01/2007		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.
01A	VW-3A	Modified TO-15/TICs	5.0 "Hg
02A	VW-3C	Modified TO-15/TICs	4.5 "Hg
03A	VW-8A	Modified TO-15/TICs	4.0 "Hg
04A	VW-8B	Modified TO-15/TICs	4.5 "Hg
05A	VW-11	Modified TO-15/TICs	6.0 "Hg
05AA	VW-11 Lab Duplicate	Modified TO-15/TICs	6.0 "Hg
06A	VW-13	Modified TO-15/TICs	6.0 "Hg
07A	VW-5A	Modified TO-15/TICs	2.0 "Hg
08A	VW-7A	Modified TO-15/TICs	4.0 "Hg
09A	VW-10	Modified TO-15/TICs	4.5 "Hg
10A	VW-12	Modified TO-15/TICs	2.5 "Hg
11A	VW-14	Modified TO-15/TICs	5.0 "Hg
12A	QCFB	Modified TO-15/TICs	4.5 "Hg
13A	QCTB	Modified TO-15/TICs	28.5 "Hg
14A	VW-1A	Modified TO-15/TICs	6.0 "Hg
15A	Lab Blank	Modified TO-15/TICs	NA
15B	Lab Blank	Modified TO-15/TICs	NA

Continued on next page

AN ENVIRONMENTAL ANALYTICAL LABORATORY

WORK ORDER #: 0707431

Work Order Summary

CLIENT:	Mr. Chris Gale GeoSyntec Consultants 10875 Rancho Bernardo Road Suite 200 San Diego, CA 92127	**BILL TO:**	Mr. Chris Gale GeoSyntec Consultants 10875 Rancho Bernardo Road Suite 200 San Diego, CA 92127
PHONE:	858-674-6559	**P.O. #**	
FAX:	858-674-6586	**PROJECT #**	SC0233 Poway
DATE RECEIVED:	07/25/2007	**CONTACT:**	Kyle Vagadori
DATE COMPLETED:	08/01/2007		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.
16A	CCV	Modified TO-15/TICs	NA
16B	CCV	Modified TO-15/TICs	NA
17A	LCS	Modified TO-15/TICs	NA
17B	LCS	Modified TO-15/TICs	NA

CERTIFIED BY: Linda L. Freeman DATE: 08/01/07

Laboratory Director

Certfication numbers: CA NELAP - 02110CA, LA NELAP/LELAP- AI 30763, NJ NELAP - CA004
NY NELAP - 11291, UT NELAP - 9166389892
Name of Accrediting Agency: NELAP/Florida Department of Health, Scope of Application: Clean Air Act,
Accreditation number: E87680, Effective date: 07/01/07, Expiration date: 06/30/08
Air Toxics Ltd. certifies that the test results contained in this report meet all requirements of the NELAC standards

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LABORATORY NARRATIVE
Modified TO-15
GeoSyntec Consultants
Workorder# 0707431

Fourteen 1 Liter Summa Canister (100% Certified) samples were received on July 25, 2007. The laboratory performed analysis via modified EPA Method TO-15 using GC/MS in the full scan mode. The method involves concentrating up to 0.2 liters of air. The concentrated aliquot is then flash vaporized and swept through a water management system to remove water vapor. Following dehumidification, the sample passes directly into the GC/MS for analysis.

This workorder was independently validated prior to submittal using 'USEPA National Functional Guidelines' as generally applied to the analysis of volatile organic compounds in air. A rules-based, logic driven, independent validation engine was employed to assess completeness, evaluate pass/fail of relevant project quality control requirements and verification of all quantified amounts.

Method modifications taken to run these samples are summarized in the table below. Specific project requirements may over-ride the ATL modifications.

Requirement	***TO-15***	***ATL Modifications***
Daily CCV	+- 30% Difference	</= 30% Difference with two allowed out up to </=40%.; flag and narrate outliers
Sample collection media	Summa canister	ATL recommends use of summa canisters to insure data defensibility, but will report results from Tedlar bags at client request
Method Detection Limit	Follow 40CFR Pt.136 App. B	The MDL met all relevant requirements in Method TO-15 (statistical MDL less than the LOQ). The concentration of the spiked replicate may have exceeded 10X the calculated MDL in some cases

Receiving Notes

Sample identification for sample VW-8A was not provided on the sample tag. The information on the Chain of Custody was used to process and report the sample.

According to the Chain of Custody (COC), sample QCTB was collected on 7/24/07. However, the date on the sample tag reflects a collection date of 7/27/07. The date on the COC was used to calculate the sample holding time.

Sample collection date was not provided on the Chain of Custody or sample tag for sample VW-8A. The sampling date of 7/24/07 was used to determine the extent of hold time.

Analytical Notes

Per client request the following narrative is included:

A Tentatively Identified Compound (TIC) outside the client requested compound list was observed in samples VW-3A, VW-3C, VW-8A, VW-8B, VW-11, VW-11 Lab Duplicate, VW-13, VW-5A,

VW-7A, VW-10, VW-12, VW-14 and QCFB.

Specific analytes that are requested by the client to be reported as tentatively identified compounds (TICs) are determined by searching for each compound's characteristic spectra. If no chromatographic peak displaying the compound specific spectra exists, then the TIC is reported as not detected. Please note that the laboratory has not evaluated the stability of any heretofore tentatively identified compound in the vapor phase or for efficiency of recovery through the analytical system.

Definition of Data Qualifying Flags

Eight qualifiers may have been used on the data analysis sheets and indicates as follows:

B - Compound present in laboratory blank greater than reporting limit (background subtraction no performed).

J - Estimated value.

E - Exceeds instrument calibration range.

S - Saturated peak.

Q - Exceeds quality control limits.

U - Compound analyzed for but not detected above the reporting limit.

UJ- Non-detected compound associated with low bias in the CCV

N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified

b-File was quantified by a second column and detector

r1-File was requantified for the purpose of reissue

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: VW-3A

Lab ID#: 0707431-01A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Acetone	4.8	4.8	11	11
2-Butanone (Methyl Ethyl Ketone)	1.2	2.6	3.6	7.8

Client Sample ID: VW-3C

Lab ID#: 0707431-02A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
2-Butanone (Methyl Ethyl Ketone)	1.2	1.5	3.5	4.6
Toluene	1.2	1.2	4.5	4.6

Client Sample ID: VW-8A

Lab ID#: 0707431-03A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Acetone	4.7	23	11	54
2-Butanone (Methyl Ethyl Ketone)	1.2	4.5	3.4	13
Toluene	1.2	1.4	4.4	5.4
Tetrachloroethene	1.2	1.9	7.9	13

Client Sample ID: VW-8B

Lab ID#: 0707431-04A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Acetone	4.8	5.8	11	14
2-Butanone (Methyl Ethyl Ketone)	1.2	3.2	3.5	9.6
Tetrachloroethene	1.2	1.4	8.1	9.7

Client Sample ID: VW-11

Lab ID#: 0707431-05A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Acetone	5.1	11	12	27
2-Butanone (Methyl Ethyl Ketone)	1.3	4.8	3.7	14

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: VW-11 Lab Duplicate

Lab ID#: 0707431-05AA

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Acetone	5.1	9.9	12	24
2-Butanone (Methyl Ethyl Ketone)	1.3	4.5	3.7	13

Client Sample ID: VW-13

Lab ID#: 0707431-06A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
2-Butanone (Methyl Ethyl Ketone)	1.3	1.8	3.7	5.3

Client Sample ID: VW-5A

Lab ID#: 0707431-07A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	1.1	2.5	5.3	12
Freon 113	1.1	2.6	8.3	20
Acetone	4.3	9.1	10	22
Carbon Disulfide	1.1	8.6	3.4	27
2-Butanone (Methyl Ethyl Ketone)	1.1	5.0	3.2	15
Tetrachloroethene	1.1	23	7.3	160

Client Sample ID: VW-7A

Lab ID#: 0707431-08A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Acetone	4.7	38	11	89

Client Sample ID: VW-10

Lab ID#: 0707431-09A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
2-Butanone (Methyl Ethyl Ketone)	1.2	1.6	3.5	4.6
Chloroform	1.2	1.2	5.8	5.8
Toluene	1.2	1.7	4.5	6.6

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Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: VW-12

Lab ID#: 0707431-10A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	1.1	21	5.4	100
Freon 114	1.1	1.8	7.7	12
Ethanol	4.4	10	8.3	20
Freon 113	1.1	25	8.4	190
Acetone	4.4	8.5	10	20
Carbon Disulfide	1.1	4.5	3.4	14
Methylene Chloride	1.1	2.1	3.8	7.2
2-Butanone (Methyl Ethyl Ketone)	1.1	1.6	3.2	4.8
Tetrachloroethene	1.1	9.2	7.5	62

Client Sample ID: VW-14

Lab ID#: 0707431-11A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	1.2	7.5	6.0	37
Freon 113	1.2	4.6	9.3	35
Acetone	4.8	8.9	11	21
2-Butanone (Methyl Ethyl Ketone)	1.2	3.0	3.6	9.0
Toluene	1.2	1.7	4.6	6.3

Client Sample ID: QCFB

Lab ID#: 0707431-12A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Acetone	4.8	7.5	11	18
2-Propanol	4.8	7.8	12	19

Client Sample ID: QCTB

Lab ID#: 0707431-13A

No Detections Were Found.

Client Sample ID: VW-1A

Lab ID#: 0707431-14A

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: VW-1A

Lab ID#: 0707431-14A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Chloroform	1.3	1.3	6.2	6.2

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: VW-3A

Lab ID#: 0707431-01A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**1072608**	**Date of Collection: 7/24/07**	
Dil. Factor:	**2.42**	**Date of Analysis: 7/26/07 12:52 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	1.2	Not Detected	6.0	Not Detected
Freon 114	1.2	Not Detected	8.4	Not Detected
Chloromethane	4.8	Not Detected	10	Not Detected
Vinyl Chloride	1.2	Not Detected	3.1	Not Detected
1,3-Butadiene	1.2	Not Detected	2.7	Not Detected
Bromomethane	1.2	Not Detected	4.7	Not Detected
Chloroethane	1.2	Not Detected	3.2	Not Detected
Freon 11	1.2	Not Detected	6.8	Not Detected
Ethanol	4.8	Not Detected	9.1	Not Detected
Freon 113	1.2	Not Detected	9.3	Not Detected
1,1-Dichloroethene	1.2	Not Detected	4.8	Not Detected
Acetone	4.8	4.8	11	11
2-Propanol	4.8	Not Detected	12	Not Detected
Carbon Disulfide	1.2	Not Detected	3.8	Not Detected
3-Chloropropene	4.8	Not Detected	15	Not Detected
Methylene Chloride	1.2	Not Detected	4.2	Not Detected
Methyl tert-butyl ether	1.2	Not Detected	4.4	Not Detected
trans-1,2-Dichloroethene	1.2	Not Detected	4.8	Not Detected
Hexane	1.2	Not Detected	4.3	Not Detected
1,1-Dichloroethane	1.2	Not Detected	4.9	Not Detected
2-Butanone (Methyl Ethyl Ketone)	1.2	2.6	3.6	7.8
cis-1,2-Dichloroethene	1.2	Not Detected	4.8	Not Detected
Tetrahydrofuran	1.2	Not Detected	3.6	Not Detected
Chloroform	1.2	Not Detected	5.9	Not Detected
1,1,1-Trichloroethane	1.2	Not Detected	6.6	Not Detected
Cyclohexane	1.2	Not Detected	4.2	Not Detected
Carbon Tetrachloride	1.2	Not Detected	7.6	Not Detected
2,2,4-Trimethylpentane	1.2	Not Detected	5.6	Not Detected
Benzene	1.2	Not Detected	3.9	Not Detected
1,2-Dichloroethane	1.2	Not Detected	4.9	Not Detected
Heptane	1.2	Not Detected	5.0	Not Detected
Trichloroethene	1.2	Not Detected	6.5	Not Detected
1,2-Dichloropropane	1.2	Not Detected	5.6	Not Detected
1,4-Dioxane	4.8	Not Detected	17	Not Detected
Bromodichloromethane	1.2	Not Detected	8.1	Not Detected
cis-1,3-Dichloropropene	1.2	Not Detected	5.5	Not Detected
4-Methyl-2-pentanone	1.2	Not Detected	5.0	Not Detected
Toluene	1.2	Not Detected	4.6	Not Detected
trans-1,3-Dichloropropene	1.2	Not Detected	5.5	Not Detected

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: VW-3A

Lab ID#: 0707431-01A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**1072608**	**Date of Collection:**	**7/24/07**
Dil. Factor:	**2.42**	**Date of Analysis:**	**7/26/07 12:52 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
1,1,2-Trichloroethane	1.2	Not Detected	6.6	Not Detected
Tetrachloroethene	1.2	Not Detected	8.2	Not Detected
2-Hexanone	4.8	Not Detected	20	Not Detected
Dibromochloromethane	1.2	Not Detected	10	Not Detected
1,2-Dibromoethane (EDB)	1.2	Not Detected	9.3	Not Detected
Chlorobenzene	1.2	Not Detected	5.6	Not Detected
Ethyl Benzene	1.2	Not Detected	5.2	Not Detected
m,p-Xylene	1.2	Not Detected	5.2	Not Detected
o-Xylene	1.2	Not Detected	5.2	Not Detected
Styrene	1.2	Not Detected	5.2	Not Detected
Bromoform	1.2	Not Detected	12	Not Detected
Cumene	1.2	Not Detected	5.9	Not Detected
1,1,2,2-Tetrachloroethane	1.2	Not Detected	8.3	Not Detected
Propylbenzene	1.2	Not Detected	5.9	Not Detected
4-Ethyltoluene	1.2	Not Detected	5.9	Not Detected
1,3,5-Trimethylbenzene	1.2	Not Detected	5.9	Not Detected
1,2,4-Trimethylbenzene	1.2	Not Detected	5.9	Not Detected
1,3-Dichlorobenzene	1.2	Not Detected	7.3	Not Detected
1,4-Dichlorobenzene	1.2	Not Detected	7.3	Not Detected
alpha-Chlorotoluene	1.2	Not Detected	6.3	Not Detected
1,2-Dichlorobenzene	1.2	Not Detected	7.3	Not Detected
1,2,4-Trichlorobenzene	4.8	Not Detected	36	Not Detected
Hexachlorobutadiene	4.8	Not Detected	52	Not Detected

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount ppbv
Vinyl Acetate	108-05-4	NA	Not Detected
trans-1,4-Dichloro-2-butene	110-57-6	NA	Not Detected
Iodomethane	74-88-4	NA	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
Toluene-d8	98	70-130
1,2-Dichloroethane-d4	98	70-130
4-Bromofluorobenzene	97	70-130

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: VW-3C

Lab ID#: 0707431-02A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**1072609**	**Date of Collection:**	**7/24/07**
Dil. Factor:	**2.38**	**Date of Analysis:**	**7/26/07 01:29 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	1.2	Not Detected	5.9	Not Detected
Freon 114	1.2	Not Detected	8.3	Not Detected
Chloromethane	4.8	Not Detected	9.8	Not Detected
Vinyl Chloride	1.2	Not Detected	3.0	Not Detected
1,3-Butadiene	1.2	Not Detected	2.6	Not Detected
Bromomethane	1.2	Not Detected	4.6	Not Detected
Chloroethane	1.2	Not Detected	3.1	Not Detected
Freon 11	1.2	Not Detected	6.7	Not Detected
Ethanol	4.8	Not Detected	9.0	Not Detected
Freon 113	1.2	Not Detected	9.1	Not Detected
1,1-Dichloroethene	1.2	Not Detected	4.7	Not Detected
Acetone	4.8	Not Detected	11	Not Detected
2-Propanol	4.8	Not Detected	12	Not Detected
Carbon Disulfide	1.2	Not Detected	3.7	Not Detected
3-Chloropropene	4.8	Not Detected	15	Not Detected
Methylene Chloride	1.2	Not Detected	4.1	Not Detected
Methyl tert-butyl ether	1.2	Not Detected	4.3	Not Detected
trans-1,2-Dichloroethene	1.2	Not Detected	4.7	Not Detected
Hexane	1.2	Not Detected	4.2	Not Detected
1,1-Dichloroethane	1.2	Not Detected	4.8	Not Detected
2-Butanone (Methyl Ethyl Ketone)	1.2	1.5	3.5	4.6
cis-1,2-Dichloroethene	1.2	Not Detected	4.7	Not Detected
Tetrahydrofuran	1.2	Not Detected	3.5	Not Detected
Chloroform	1.2	Not Detected	5.8	Not Detected
1,1,1-Trichloroethane	1.2	Not Detected	6.5	Not Detected
Cyclohexane	1.2	Not Detected	4.1	Not Detected
Carbon Tetrachloride	1.2	Not Detected	7.5	Not Detected
2,2,4-Trimethylpentane	1.2	Not Detected	5.6	Not Detected
Benzene	1.2	Not Detected	3.8	Not Detected
1,2-Dichloroethane	1.2	Not Detected	4.8	Not Detected
Heptane	1.2	Not Detected	4.9	Not Detected
Trichloroethene	1.2	Not Detected	6.4	Not Detected
1,2-Dichloropropane	1.2	Not Detected	5.5	Not Detected
1,4-Dioxane	4.8	Not Detected	17	Not Detected
Bromodichloromethane	1.2	Not Detected	8.0	Not Detected
cis-1,3-Dichloropropene	1.2	Not Detected	5.4	Not Detected
4-Methyl-2-pentanone	1.2	Not Detected	4.9	Not Detected
Toluene	1.2	1.2	4.5	4.6
trans-1,3-Dichloropropene	1.2	Not Detected	5.4	Not Detected

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: VW-3C

Lab ID#: 0707431-02A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**1072609**	**Date of Collection:**	**7/24/07**
Dil. Factor:	**2.38**	**Date of Analysis:**	**7/26/07 01:29 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
1,1,2-Trichloroethane	1.2	Not Detected	6.5	Not Detected
Tetrachloroethene	1.2	Not Detected	8.1	Not Detected
2-Hexanone	4.8	Not Detected	19	Not Detected
Dibromochloromethane	1.2	Not Detected	10	Not Detected
1,2-Dibromoethane (EDB)	1.2	Not Detected	9.1	Not Detected
Chlorobenzene	1.2	Not Detected	5.5	Not Detected
Ethyl Benzene	1.2	Not Detected	5.2	Not Detected
m,p-Xylene	1.2	Not Detected	5.2	Not Detected
o-Xylene	1.2	Not Detected	5.2	Not Detected
Styrene	1.2	Not Detected	5.1	Not Detected
Bromoform	1.2	Not Detected	12	Not Detected
Cumene	1.2	Not Detected	5.8	Not Detected
1,1,2,2-Tetrachloroethane	1.2	Not Detected	8.2	Not Detected
Propylbenzene	1.2	Not Detected	5.8	Not Detected
4-Ethyltoluene	1.2	Not Detected	5.8	Not Detected
1,3,5-Trimethylbenzene	1.2	Not Detected	5.8	Not Detected
1,2,4-Trimethylbenzene	1.2	Not Detected	5.8	Not Detected
1,3-Dichlorobenzene	1.2	Not Detected	7.2	Not Detected
1,4-Dichlorobenzene	1.2	Not Detected	7.2	Not Detected
alpha-Chlorotoluene	1.2	Not Detected	6.2	Not Detected
1,2-Dichlorobenzene	1.2	Not Detected	7.2	Not Detected
1,2,4-Trichlorobenzene	4.8	Not Detected	35	Not Detected
Hexachlorobutadiene	4.8	Not Detected	51	Not Detected

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount ppbv
Vinyl Acetate	108-05-4	NA	Not Detected
trans-1,4-Dichloro-2-butene	110-57-6	NA	Not Detected
Iodomethane	74-88-4	NA	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
Toluene-d8	99	70-130
1,2-Dichloroethane-d4	96	70-130
4-Bromofluorobenzene	95	70-130

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: VW-8A

Lab ID#: 0707431-03A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**1072610**	**Date of Collection:**	**7/24/07**
Dil. Factor:	**2.33**	**Date of Analysis:**	**7/26/07 02:13 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	1.2	Not Detected	5.8	Not Detected
Freon 114	1.2	Not Detected	8.1	Not Detected
Chloromethane	4.7	Not Detected	9.6	Not Detected
Vinyl Chloride	1.2	Not Detected	3.0	Not Detected
1,3-Butadiene	1.2	Not Detected	2.6	Not Detected
Bromomethane	1.2	Not Detected	4.5	Not Detected
Chloroethane	1.2	Not Detected	3.1	Not Detected
Freon 11	1.2	Not Detected	6.5	Not Detected
Ethanol	4.7	Not Detected	8.8	Not Detected
Freon 113	1.2	Not Detected	8.9	Not Detected
1,1-Dichloroethene	1.2	Not Detected	4.6	Not Detected
Acetone	4.7	23	11	54
2-Propanol	4.7	Not Detected	11	Not Detected
Carbon Disulfide	1.2	Not Detected	3.6	Not Detected
3-Chloropropene	4.7	Not Detected	14	Not Detected
Methylene Chloride	1.2	Not Detected	4.0	Not Detected
Methyl tert-butyl ether	1.2	Not Detected	4.2	Not Detected
trans-1,2-Dichloroethene	1.2	Not Detected	4.6	Not Detected
Hexane	1.2	Not Detected	4.1	Not Detected
1,1-Dichloroethane	1.2	Not Detected	4.7	Not Detected
2-Butanone (Methyl Ethyl Ketone)	1.2	4.5	3.4	13
cis-1,2-Dichloroethene	1.2	Not Detected	4.6	Not Detected
Tetrahydrofuran	1.2	Not Detected	3.4	Not Detected
Chloroform	1.2	Not Detected	5.7	Not Detected
1,1,1-Trichloroethane	1.2	Not Detected	6.4	Not Detected
Cyclohexane	1.2	Not Detected	4.0	Not Detected
Carbon Tetrachloride	1.2	Not Detected	7.3	Not Detected
2,2,4-Trimethylpentane	1.2	Not Detected	5.4	Not Detected
Benzene	1.2	Not Detected	3.7	Not Detected
1,2-Dichloroethane	1.2	Not Detected	4.7	Not Detected
Heptane	1.2	Not Detected	4.8	Not Detected
Trichloroethene	1.2	Not Detected	6.3	Not Detected
1,2-Dichloropropane	1.2	Not Detected	5.4	Not Detected
1,4-Dioxane	4.7	Not Detected	17	Not Detected
Bromodichloromethane	1.2	Not Detected	7.8	Not Detected
cis-1,3-Dichloropropene	1.2	Not Detected	5.3	Not Detected
4-Methyl-2-pentanone	1.2	Not Detected	4.8	Not Detected
Toluene	1.2	1.4	4.4	5.4
trans-1,3-Dichloropropene	1.2	Not Detected	5.3	Not Detected

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: VW-8A

Lab ID#: 0707431-03A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**1072610**	**Date of Collection:**	**7/24/07**
Dil. Factor:	**2.33**	**Date of Analysis:**	**7/26/07 02:13 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
1,1,2-Trichloroethane	1.2	Not Detected	6.4	Not Detected
Tetrachloroethene	1.2	1.9	7.9	13
2-Hexanone	4.7	Not Detected	19	Not Detected
Dibromochloromethane	1.2	Not Detected	9.9	Not Detected
1,2-Dibromoethane (EDB)	1.2	Not Detected	9.0	Not Detected
Chlorobenzene	1.2	Not Detected	5.4	Not Detected
Ethyl Benzene	1.2	Not Detected	5.0	Not Detected
m,p-Xylene	1.2	Not Detected	5.0	Not Detected
o-Xylene	1.2	Not Detected	5.0	Not Detected
Styrene	1.2	Not Detected	5.0	Not Detected
Bromoform	1.2	Not Detected	12	Not Detected
Cumene	1.2	Not Detected	5.7	Not Detected
1,1,2,2-Tetrachloroethane	1.2	Not Detected	8.0	Not Detected
Propylbenzene	1.2	Not Detected	5.7	Not Detected
4-Ethyltoluene	1.2	Not Detected	5.7	Not Detected
1,3,5-Trimethylbenzene	1.2	Not Detected	5.7	Not Detected
1,2,4-Trimethylbenzene	1.2	Not Detected	5.7	Not Detected
1,3-Dichlorobenzene	1.2	Not Detected	7.0	Not Detected
1,4-Dichlorobenzene	1.2	Not Detected	7.0	Not Detected
alpha-Chlorotoluene	1.2	Not Detected	6.0	Not Detected
1,2-Dichlorobenzene	1.2	Not Detected	7.0	Not Detected
1,2,4-Trichlorobenzene	4.7	Not Detected	34	Not Detected
Hexachlorobutadiene	4.7	Not Detected	50	Not Detected

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount ppbv
Vinyl Acetate	108-05-4	NA	Not Detected
trans-1,4-Dichloro-2-butene	110-57-6	NA	Not Detected
Iodomethane	74-88-4	NA	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
Toluene-d8	99	70-130
1,2-Dichloroethane-d4	94	70-130
4-Bromofluorobenzene	97	70-130

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: VW-8B

Lab ID#: 0707431-04A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**1072611**	**Date of Collection:**	**7/24/07**
Dil. Factor:	**2.38**	**Date of Analysis:**	**7/26/07 02:56 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	1.2	Not Detected	5.9	Not Detected
Freon 114	1.2	Not Detected	8.3	Not Detected
Chloromethane	4.8	Not Detected	9.8	Not Detected
Vinyl Chloride	1.2	Not Detected	3.0	Not Detected
1,3-Butadiene	1.2	Not Detected	2.6	Not Detected
Bromomethane	1.2	Not Detected	4.6	Not Detected
Chloroethane	1.2	Not Detected	3.1	Not Detected
Freon 11	1.2	Not Detected	6.7	Not Detected
Ethanol	4.8	Not Detected	9.0	Not Detected
Freon 113	1.2	Not Detected	9.1	Not Detected
1,1-Dichloroethene	1.2	Not Detected	4.7	Not Detected
Acetone	4.8	5.8	11	14
2-Propanol	4.8	Not Detected	12	Not Detected
Carbon Disulfide	1.2	Not Detected	3.7	Not Detected
3-Chloropropene	4.8	Not Detected	15	Not Detected
Methylene Chloride	1.2	Not Detected	4.1	Not Detected
Methyl tert-butyl ether	1.2	Not Detected	4.3	Not Detected
trans-1,2-Dichloroethene	1.2	Not Detected	4.7	Not Detected
Hexane	1.2	Not Detected	4.2	Not Detected
1,1-Dichloroethane	1.2	Not Detected	4.8	Not Detected
2-Butanone (Methyl Ethyl Ketone)	1.2	3.2	3.5	9.6
cis-1,2-Dichloroethene	1.2	Not Detected	4.7	Not Detected
Tetrahydrofuran	1.2	Not Detected	3.5	Not Detected
Chloroform	1.2	Not Detected	5.8	Not Detected
1,1,1-Trichloroethane	1.2	Not Detected	6.5	Not Detected
Cyclohexane	1.2	Not Detected	4.1	Not Detected
Carbon Tetrachloride	1.2	Not Detected	7.5	Not Detected
2,2,4-Trimethylpentane	1.2	Not Detected	5.6	Not Detected
Benzene	1.2	Not Detected	3.8	Not Detected
1,2-Dichloroethane	1.2	Not Detected	4.8	Not Detected
Heptane	1.2	Not Detected	4.9	Not Detected
Trichloroethene	1.2	Not Detected	6.4	Not Detected
1,2-Dichloropropane	1.2	Not Detected	5.5	Not Detected
1,4-Dioxane	4.8	Not Detected	17	Not Detected
Bromodichloromethane	1.2	Not Detected	8.0	Not Detected
cis-1,3-Dichloropropene	1.2	Not Detected	5.4	Not Detected
4-Methyl-2-pentanone	1.2	Not Detected	4.9	Not Detected
Toluene	1.2	Not Detected	4.5	Not Detected
trans-1,3-Dichloropropene	1.2	Not Detected	5.4	Not Detected

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: VW-8B

Lab ID#: 0707431-04A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**1072611**	**Date of Collection:**	**7/24/07**
Dil. Factor:	**2.38**	**Date of Analysis:**	**7/26/07 02:56 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
1,1,2-Trichloroethane	1.2	Not Detected	6.5	Not Detected
Tetrachloroethene	1.2	1.4	8.1	9.7
2-Hexanone	4.8	Not Detected	19	Not Detected
Dibromochloromethane	1.2	Not Detected	10	Not Detected
1,2-Dibromoethane (EDB)	1.2	Not Detected	9.1	Not Detected
Chlorobenzene	1.2	Not Detected	5.5	Not Detected
Ethyl Benzene	1.2	Not Detected	5.2	Not Detected
m,p-Xylene	1.2	Not Detected	5.2	Not Detected
o-Xylene	1.2	Not Detected	5.2	Not Detected
Styrene	1.2	Not Detected	5.1	Not Detected
Bromoform	1.2	Not Detected	12	Not Detected
Cumene	1.2	Not Detected	5.8	Not Detected
1,1,2,2-Tetrachloroethane	1.2	Not Detected	8.2	Not Detected
Propylbenzene	1.2	Not Detected	5.8	Not Detected
4-Ethyltoluene	1.2	Not Detected	5.8	Not Detected
1,3,5-Trimethylbenzene	1.2	Not Detected	5.8	Not Detected
1,2,4-Trimethylbenzene	1.2	Not Detected	5.8	Not Detected
1,3-Dichlorobenzene	1.2	Not Detected	7.2	Not Detected
1,4-Dichlorobenzene	1.2	Not Detected	7.2	Not Detected
alpha-Chlorotoluene	1.2	Not Detected	6.2	Not Detected
1,2-Dichlorobenzene	1.2	Not Detected	7.2	Not Detected
1,2,4-Trichlorobenzene	4.8	Not Detected	35	Not Detected
Hexachlorobutadiene	4.8	Not Detected	51	Not Detected

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount ppbv
Vinyl Acetate	108-05-4	NA	Not Detected
trans-1,4-Dichloro-2-butene	110-57-6	NA	Not Detected
Iodomethane	74-88-4	NA	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
Toluene-d8	98	70-130
1,2-Dichloroethane-d4	96	70-130
4-Bromofluorobenzene	94	70-130

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: VW-11

Lab ID#: 0707431-05A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**1072612**	**Date of Collection:**	**7/24/07**
Dil. Factor:	**2.53**	**Date of Analysis:**	**7/26/07 03:35 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	1.3	Not Detected	6.2	Not Detected
Freon 114	1.3	Not Detected	8.8	Not Detected
Chloromethane	5.1	Not Detected	10	Not Detected
Vinyl Chloride	1.3	Not Detected	3.2	Not Detected
1,3-Butadiene	1.3	Not Detected	2.8	Not Detected
Bromomethane	1.3	Not Detected	4.9	Not Detected
Chloroethane	1.3	Not Detected	3.3	Not Detected
Freon 11	1.3	Not Detected	7.1	Not Detected
Ethanol	5.1	Not Detected	9.5	Not Detected
Freon 113	1.3	Not Detected	9.7	Not Detected
1,1-Dichloroethene	1.3	Not Detected	5.0	Not Detected
Acetone	5.1	11	12	27
2-Propanol	5.1	Not Detected	12	Not Detected
Carbon Disulfide	1.3	Not Detected	3.9	Not Detected
3-Chloropropene	5.1	Not Detected	16	Not Detected
Methylene Chloride	1.3	Not Detected	4.4	Not Detected
Methyl tert-butyl ether	1.3	Not Detected	4.6	Not Detected
trans-1,2-Dichloroethene	1.3	Not Detected	5.0	Not Detected
Hexane	1.3	Not Detected	4.4	Not Detected
1,1-Dichloroethane	1.3	Not Detected	5.1	Not Detected
2-Butanone (Methyl Ethyl Ketone)	1.3	4.8	3.7	14
cis-1,2-Dichloroethene	1.3	Not Detected	5.0	Not Detected
Tetrahydrofuran	1.3	Not Detected	3.7	Not Detected
Chloroform	1.3	Not Detected	6.2	Not Detected
1,1,1-Trichloroethane	1.3	Not Detected	6.9	Not Detected
Cyclohexane	1.3	Not Detected	4.4	Not Detected
Carbon Tetrachloride	1.3	Not Detected	8.0	Not Detected
2,2,4-Trimethylpentane	1.3	Not Detected	5.9	Not Detected
Benzene	1.3	Not Detected	4.0	Not Detected
1,2-Dichloroethane	1.3	Not Detected	5.1	Not Detected
Heptane	1.3	Not Detected	5.2	Not Detected
Trichloroethene	1.3	Not Detected	6.8	Not Detected
1,2-Dichloropropane	1.3	Not Detected	5.8	Not Detected
1,4-Dioxane	5.1	Not Detected	18	Not Detected
Bromodichloromethane	1.3	Not Detected	8.5	Not Detected
cis-1,3-Dichloropropene	1.3	Not Detected	5.7	Not Detected
4-Methyl-2-pentanone	1.3	Not Detected	5.2	Not Detected
Toluene	1.3	Not Detected	4.8	Not Detected
trans-1,3-Dichloropropene	1.3	Not Detected	5.7	Not Detected

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: VW-11

Lab ID#: 0707431-05A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**1072612**	**Date of Collection:**	**7/24/07**
Dil. Factor:	**2.53**	**Date of Analysis:**	**7/26/07 03:35 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
1,1,2-Trichloroethane	1.3	Not Detected	6.9	Not Detected
Tetrachloroethene	1.3	Not Detected	8.6	Not Detected
2-Hexanone	5.1	Not Detected	21	Not Detected
Dibromochloromethane	1.3	Not Detected	11	Not Detected
1,2-Dibromoethane (EDB)	1.3	Not Detected	9.7	Not Detected
Chlorobenzene	1.3	Not Detected	5.8	Not Detected
Ethyl Benzene	1.3	Not Detected	5.5	Not Detected
m,p-Xylene	1.3	Not Detected	5.5	Not Detected
o-Xylene	1.3	Not Detected	5.5	Not Detected
Styrene	1.3	Not Detected	5.4	Not Detected
Bromoform	1.3	Not Detected	13	Not Detected
Cumene	1.3	Not Detected	6.2	Not Detected
1,1,2,2-Tetrachloroethane	1.3	Not Detected	8.7	Not Detected
Propylbenzene	1.3	Not Detected	6.2	Not Detected
4-Ethyltoluene	1.3	Not Detected	6.2	Not Detected
1,3,5-Trimethylbenzene	1.3	Not Detected	6.2	Not Detected
1,2,4-Trimethylbenzene	1.3	Not Detected	6.2	Not Detected
1,3-Dichlorobenzene	1.3	Not Detected	7.6	Not Detected
1,4-Dichlorobenzene	1.3	Not Detected	7.6	Not Detected
alpha-Chlorotoluene	1.3	Not Detected	6.5	Not Detected
1,2-Dichlorobenzene	1.3	Not Detected	7.6	Not Detected
1,2,4-Trichlorobenzene	5.1	Not Detected	38	Not Detected
Hexachlorobutadiene	5.1	Not Detected	54	Not Detected

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount ppbv
Vinyl Acetate	108-05-4	NA	Not Detected
trans-1,4-Dichloro-2-butene	110-57-6	NA	Not Detected
Iodomethane	74-88-4	NA	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
Toluene-d8	96	70-130
1,2-Dichloroethane-d4	100	70-130
4-Bromofluorobenzene	96	70-130

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: VW-11 Lab Duplicate

Lab ID#: 0707431-05AA

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**1072615**	**Date of Collection:**	**7/24/07**
Dil. Factor:	**2.53**	**Date of Analysis:**	**7/26/07 05:34 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	1.3	Not Detected	6.2	Not Detected
Freon 114	1.3	Not Detected	8.8	Not Detected
Chloromethane	5.1	Not Detected	10	Not Detected
Vinyl Chloride	1.3	Not Detected	3.2	Not Detected
1,3-Butadiene	1.3	Not Detected	2.8	Not Detected
Bromomethane	1.3	Not Detected	4.9	Not Detected
Chloroethane	1.3	Not Detected	3.3	Not Detected
Freon 11	1.3	Not Detected	7.1	Not Detected
Ethanol	5.1	Not Detected	9.5	Not Detected
Freon 113	1.3	Not Detected	9.7	Not Detected
1,1-Dichloroethene	1.3	Not Detected	5.0	Not Detected
Acetone	5.1	9.9	12	24
2-Propanol	5.1	Not Detected	12	Not Detected
Carbon Disulfide	1.3	Not Detected	3.9	Not Detected
3-Chloropropene	5.1	Not Detected	16	Not Detected
Methylene Chloride	1.3	Not Detected	4.4	Not Detected
Methyl tert-butyl ether	1.3	Not Detected	4.6	Not Detected
trans-1,2-Dichloroethene	1.3	Not Detected	5.0	Not Detected
Hexane	1.3	Not Detected	4.4	Not Detected
1,1-Dichloroethane	1.3	Not Detected	5.1	Not Detected
2-Butanone (Methyl Ethyl Ketone)	1.3	4.5	3.7	13
cis-1,2-Dichloroethene	1.3	Not Detected	5.0	Not Detected
Tetrahydrofuran	1.3	Not Detected	3.7	Not Detected
Chloroform	1.3	Not Detected	6.2	Not Detected
1,1,1-Trichloroethane	1.3	Not Detected	6.9	Not Detected
Cyclohexane	1.3	Not Detected	4.4	Not Detected
Carbon Tetrachloride	1.3	Not Detected	8.0	Not Detected
2,2,4-Trimethylpentane	1.3	Not Detected	5.9	Not Detected
Benzene	1.3	Not Detected	4.0	Not Detected
1,2-Dichloroethane	1.3	Not Detected	5.1	Not Detected
Heptane	1.3	Not Detected	5.2	Not Detected
Trichloroethene	1.3	Not Detected	6.8	Not Detected
1,2-Dichloropropane	1.3	Not Detected	5.8	Not Detected
1,4-Dioxane	5.1	Not Detected	18	Not Detected
Bromodichloromethane	1.3	Not Detected	8.5	Not Detected
cis-1,3-Dichloropropene	1.3	Not Detected	5.7	Not Detected
4-Methyl-2-pentanone	1.3	Not Detected	5.2	Not Detected
Toluene	1.3	Not Detected	4.8	Not Detected
trans-1,3-Dichloropropene	1.3	Not Detected	5.7	Not Detected

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: VW-11 Lab Duplicate

Lab ID#: 0707431-05AA

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**1072615**	**Date of Collection:**	**7/24/07**
Dil. Factor:	**2.53**	**Date of Analysis:**	**7/26/07 05:34 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
1,1,2-Trichloroethane	1.3	Not Detected	6.9	Not Detected
Tetrachloroethene	1.3	Not Detected	8.6	Not Detected
2-Hexanone	5.1	Not Detected	21	Not Detected
Dibromochloromethane	1.3	Not Detected	11	Not Detected
1,2-Dibromoethane (EDB)	1.3	Not Detected	9.7	Not Detected
Chlorobenzene	1.3	Not Detected	5.8	Not Detected
Ethyl Benzene	1.3	Not Detected	5.5	Not Detected
m,p-Xylene	1.3	Not Detected	5.5	Not Detected
o-Xylene	1.3	Not Detected	5.5	Not Detected
Styrene	1.3	Not Detected	5.4	Not Detected
Bromoform	1.3	Not Detected	13	Not Detected
Cumene	1.3	Not Detected	6.2	Not Detected
1,1,2,2-Tetrachloroethane	1.3	Not Detected	8.7	Not Detected
Propylbenzene	1.3	Not Detected	6.2	Not Detected
4-Ethyltoluene	1.3	Not Detected	6.2	Not Detected
1,3,5-Trimethylbenzene	1.3	Not Detected	6.2	Not Detected
1,2,4-Trimethylbenzene	1.3	Not Detected	6.2	Not Detected
1,3-Dichlorobenzene	1.3	Not Detected	7.6	Not Detected
1,4-Dichlorobenzene	1.3	Not Detected	7.6	Not Detected
alpha-Chlorotoluene	1.3	Not Detected	6.5	Not Detected
1,2-Dichlorobenzene	1.3	Not Detected	7.6	Not Detected
1,2,4-Trichlorobenzene	5.1	Not Detected	38	Not Detected
Hexachlorobutadiene	5.1	Not Detected	54	Not Detected

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount ppbv
Vinyl Acetate	108-05-4	NA	Not Detected
trans-1,4-Dichloro-2-butene	110-57-6	NA	Not Detected
Iodomethane	74-88-4	NA	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
Toluene-d8	94	70-130
1,2-Dichloroethane-d4	96	70-130
4-Bromofluorobenzene	96	70-130

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: VW-13

Lab ID#: 0707431-06A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**1072613**	**Date of Collection:**	**7/24/07**
Dil. Factor:	**2.53**	**Date of Analysis:**	**7/26/07 04:13 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	1.3	Not Detected	6.2	Not Detected
Freon 114	1.3	Not Detected	8.8	Not Detected
Chloromethane	5.1	Not Detected	10	Not Detected
Vinyl Chloride	1.3	Not Detected	3.2	Not Detected
1,3-Butadiene	1.3	Not Detected	2.8	Not Detected
Bromomethane	1.3	Not Detected	4.9	Not Detected
Chloroethane	1.3	Not Detected	3.3	Not Detected
Freon 11	1.3	Not Detected	7.1	Not Detected
Ethanol	5.1	Not Detected	9.5	Not Detected
Freon 113	1.3	Not Detected	9.7	Not Detected
1,1-Dichloroethene	1.3	Not Detected	5.0	Not Detected
Acetone	5.1	Not Detected	12	Not Detected
2-Propanol	5.1	Not Detected	12	Not Detected
Carbon Disulfide	1.3	Not Detected	3.9	Not Detected
3-Chloropropene	5.1	Not Detected	16	Not Detected
Methylene Chloride	1.3	Not Detected	4.4	Not Detected
Methyl tert-butyl ether	1.3	Not Detected	4.6	Not Detected
trans-1,2-Dichloroethene	1.3	Not Detected	5.0	Not Detected
Hexane	1.3	Not Detected	4.4	Not Detected
1,1-Dichloroethane	1.3	Not Detected	5.1	Not Detected
2-Butanone (Methyl Ethyl Ketone)	1.3	1.8	3.7	5.3
cis-1,2-Dichloroethene	1.3	Not Detected	5.0	Not Detected
Tetrahydrofuran	1.3	Not Detected	3.7	Not Detected
Chloroform	1.3	Not Detected	6.2	Not Detected
1,1,1-Trichloroethane	1.3	Not Detected	6.9	Not Detected
Cyclohexane	1.3	Not Detected	4.4	Not Detected
Carbon Tetrachloride	1.3	Not Detected	8.0	Not Detected
2,2,4-Trimethylpentane	1.3	Not Detected	5.9	Not Detected
Benzene	1.3	Not Detected	4.0	Not Detected
1,2-Dichloroethane	1.3	Not Detected	5.1	Not Detected
Heptane	1.3	Not Detected	5.2	Not Detected
Trichloroethene	1.3	Not Detected	6.8	Not Detected
1,2-Dichloropropane	1.3	Not Detected	5.8	Not Detected
1,4-Dioxane	5.1	Not Detected	18	Not Detected
Bromodichloromethane	1.3	Not Detected	8.5	Not Detected
cis-1,3-Dichloropropene	1.3	Not Detected	5.7	Not Detected
4-Methyl-2-pentanone	1.3	Not Detected	5.2	Not Detected
Toluene	1.3	Not Detected	4.8	Not Detected
trans-1,3-Dichloropropene	1.3	Not Detected	5.7	Not Detected

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: VW-13

Lab ID#: 0707431-06A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**1072613**	**Date of Collection:**	**7/24/07**
Dil. Factor:	**2.53**	**Date of Analysis:**	**7/26/07 04:13 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
1,1,2-Trichloroethane	1.3	Not Detected	6.9	Not Detected
Tetrachloroethene	1.3	Not Detected	8.6	Not Detected
2-Hexanone	5.1	Not Detected	21	Not Detected
Dibromochloromethane	1.3	Not Detected	11	Not Detected
1,2-Dibromoethane (EDB)	1.3	Not Detected	9.7	Not Detected
Chlorobenzene	1.3	Not Detected	5.8	Not Detected
Ethyl Benzene	1.3	Not Detected	5.5	Not Detected
m,p-Xylene	1.3	Not Detected	5.5	Not Detected
o-Xylene	1.3	Not Detected	5.5	Not Detected
Styrene	1.3	Not Detected	5.4	Not Detected
Bromoform	1.3	Not Detected	13	Not Detected
Cumene	1.3	Not Detected	6.2	Not Detected
1,1,2,2-Tetrachloroethane	1.3	Not Detected	8.7	Not Detected
Propylbenzene	1.3	Not Detected	6.2	Not Detected
4-Ethyltoluene	1.3	Not Detected	6.2	Not Detected
1,3,5-Trimethylbenzene	1.3	Not Detected	6.2	Not Detected
1,2,4-Trimethylbenzene	1.3	Not Detected	6.2	Not Detected
1,3-Dichlorobenzene	1.3	Not Detected	7.6	Not Detected
1,4-Dichlorobenzene	1.3	Not Detected	7.6	Not Detected
alpha-Chlorotoluene	1.3	Not Detected	6.5	Not Detected
1,2-Dichlorobenzene	1.3	Not Detected	7.6	Not Detected
1,2,4-Trichlorobenzene	5.1	Not Detected	38	Not Detected
Hexachlorobutadiene	5.1	Not Detected	54	Not Detected

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount ppbv
Vinyl Acetate	108-05-4	NA	Not Detected
trans-1,4-Dichloro-2-butene	110-57-6	NA	Not Detected
Iodomethane	74-88-4	NA	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
Toluene-d8	93	70-130
1,2-Dichloroethane-d4	92	70-130
4-Bromofluorobenzene	96	70-130

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: VW-5A

Lab ID#: 0707431-07A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**1072614**	**Date of Collection:**	**7/24/07**
Dil. Factor:	**2.16**	**Date of Analysis:**	**7/26/07 04:53 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	1.1	2.5	5.3	12
Freon 114	1.1	Not Detected	7.6	Not Detected
Chloromethane	4.3	Not Detected	8.9	Not Detected
Vinyl Chloride	1.1	Not Detected	2.8	Not Detected
1,3-Butadiene	1.1	Not Detected	2.4	Not Detected
Bromomethane	1.1	Not Detected	4.2	Not Detected
Chloroethane	1.1	Not Detected	2.8	Not Detected
Freon 11	1.1	Not Detected	6.1	Not Detected
Ethanol	4.3	Not Detected	8.1	Not Detected
Freon 113	1.1	2.6	8.3	20
1,1-Dichloroethene	1.1	Not Detected	4.3	Not Detected
Acetone	4.3	9.1	10	22
2-Propanol	4.3	Not Detected	11	Not Detected
Carbon Disulfide	1.1	8.6	3.4	27
3-Chloropropene	4.3	Not Detected	14	Not Detected
Methylene Chloride	1.1	Not Detected	3.8	Not Detected
Methyl tert-butyl ether	1.1	Not Detected	3.9	Not Detected
trans-1,2-Dichloroethene	1.1	Not Detected	4.3	Not Detected
Hexane	1.1	Not Detected	3.8	Not Detected
1,1-Dichloroethane	1.1	Not Detected	4.4	Not Detected
2-Butanone (Methyl Ethyl Ketone)	1.1	5.0	3.2	15
cis-1,2-Dichloroethene	1.1	Not Detected	4.3	Not Detected
Tetrahydrofuran	1.1	Not Detected	3.2	Not Detected
Chloroform	1.1	Not Detected	5.3	Not Detected
1,1,1-Trichloroethane	1.1	Not Detected	5.9	Not Detected
Cyclohexane	1.1	Not Detected	3.7	Not Detected
Carbon Tetrachloride	1.1	Not Detected	6.8	Not Detected
2,2,4-Trimethylpentane	1.1	Not Detected	5.0	Not Detected
Benzene	1.1	Not Detected	3.4	Not Detected
1,2-Dichloroethane	1.1	Not Detected	4.4	Not Detected
Heptane	1.1	Not Detected	4.4	Not Detected
Trichloroethene	1.1	Not Detected	5.8	Not Detected
1,2-Dichloropropane	1.1	Not Detected	5.0	Not Detected
1,4-Dioxane	4.3	Not Detected	16	Not Detected
Bromodichloromethane	1.1	Not Detected	7.2	Not Detected
cis-1,3-Dichloropropene	1.1	Not Detected	4.9	Not Detected
4-Methyl-2-pentanone	1.1	Not Detected	4.4	Not Detected
Toluene	1.1	Not Detected	4.1	Not Detected
trans-1,3-Dichloropropene	1.1	Not Detected	4.9	Not Detected

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: VW-5A

Lab ID#: 0707431-07A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**1072614**	**Date of Collection:**	**7/24/07**
Dil. Factor:	**2.16**	**Date of Analysis:**	**7/26/07 04:53 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
1,1,2-Trichloroethane	1.1	Not Detected	5.9	Not Detected
Tetrachloroethene	1.1	23	7.3	160
2-Hexanone	4.3	Not Detected	18	Not Detected
Dibromochloromethane	1.1	Not Detected	9.2	Not Detected
1,2-Dibromoethane (EDB)	1.1	Not Detected	8.3	Not Detected
Chlorobenzene	1.1	Not Detected	5.0	Not Detected
Ethyl Benzene	1.1	Not Detected	4.7	Not Detected
m,p-Xylene	1.1	Not Detected	4.7	Not Detected
o-Xylene	1.1	Not Detected	4.7	Not Detected
Styrene	1.1	Not Detected	4.6	Not Detected
Bromoform	1.1	Not Detected	11	Not Detected
Cumene	1.1	Not Detected	5.3	Not Detected
1,1,2,2-Tetrachloroethane	1.1	Not Detected	7.4	Not Detected
Propylbenzene	1.1	Not Detected	5.3	Not Detected
4-Ethyltoluene	1.1	Not Detected	5.3	Not Detected
1,3,5-Trimethylbenzene	1.1	Not Detected	5.3	Not Detected
1,2,4-Trimethylbenzene	1.1	Not Detected	5.3	Not Detected
1,3-Dichlorobenzene	1.1	Not Detected	6.5	Not Detected
1,4-Dichlorobenzene	1.1	Not Detected	6.5	Not Detected
alpha-Chlorotoluene	1.1	Not Detected	5.6	Not Detected
1,2-Dichlorobenzene	1.1	Not Detected	6.5	Not Detected
1,2,4-Trichlorobenzene	4.3	Not Detected	32	Not Detected
Hexachlorobutadiene	4.3	Not Detected	46	Not Detected

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount ppbv
Vinyl Acetate	108-05-4	NA	Not Detected
trans-1,4-Dichloro-2-butene	110-57-6	NA	Not Detected
Iodomethane	74-88-4	NA	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
Toluene-d8	98	70-130
1,2-Dichloroethane-d4	92	70-130
4-Bromofluorobenzene	94	70-130

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: VW-7A

Lab ID#: 0707431-08A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7072607**	**Date of Collection:**	**7/24/07**
Dil. Factor:	**2.33**	**Date of Analysis:**	**7/26/07 03:04 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	1.2	Not Detected	5.8	Not Detected
Freon 114	1.2	Not Detected	8.1	Not Detected
Chloromethane	4.7	Not Detected	9.6	Not Detected
Vinyl Chloride	1.2	Not Detected	3.0	Not Detected
1,3-Butadiene	1.2	Not Detected	2.6	Not Detected
Bromomethane	1.2	Not Detected	4.5	Not Detected
Chloroethane	1.2	Not Detected	3.1	Not Detected
Freon 11	1.2	Not Detected	6.5	Not Detected
Ethanol	4.7	Not Detected	8.8	Not Detected
Freon 113	1.2	Not Detected	8.9	Not Detected
1,1-Dichloroethene	1.2	Not Detected	4.6	Not Detected
Acetone	4.7	38	11	89
2-Propanol	4.7	Not Detected	11	Not Detected
Carbon Disulfide	1.2	Not Detected	3.6	Not Detected
3-Chloropropene	4.7	Not Detected	14	Not Detected
Methylene Chloride	1.2	Not Detected	4.0	Not Detected
Methyl tert-butyl ether	1.2	Not Detected	4.2	Not Detected
trans-1,2-Dichloroethene	1.2	Not Detected	4.6	Not Detected
Hexane	1.2	Not Detected	4.1	Not Detected
1,1-Dichloroethane	1.2	Not Detected	4.7	Not Detected
2-Butanone (Methyl Ethyl Ketone)	1.2	Not Detected	3.4	Not Detected
cis-1,2-Dichloroethene	1.2	Not Detected	4.6	Not Detected
Tetrahydrofuran	1.2	Not Detected	3.4	Not Detected
Chloroform	1.2	Not Detected	5.7	Not Detected
1,1,1-Trichloroethane	1.2	Not Detected	6.4	Not Detected
Cyclohexane	1.2	Not Detected	4.0	Not Detected
Carbon Tetrachloride	1.2	Not Detected	7.3	Not Detected
2,2,4-Trimethylpentane	1.2	Not Detected	5.4	Not Detected
Benzene	1.2	Not Detected	3.7	Not Detected
1,2-Dichloroethane	1.2	Not Detected	4.7	Not Detected
Heptane	1.2	Not Detected	4.8	Not Detected
Trichloroethene	1.2	Not Detected	6.3	Not Detected
1,2-Dichloropropane	1.2	Not Detected	5.4	Not Detected
1,4-Dioxane	4.7	Not Detected	17	Not Detected
Bromodichloromethane	1.2	Not Detected	7.8	Not Detected
cis-1,3-Dichloropropene	1.2	Not Detected	5.3	Not Detected
4-Methyl-2-pentanone	1.2	Not Detected	4.8	Not Detected
Toluene	1.2	Not Detected	4.4	Not Detected
trans-1,3-Dichloropropene	1.2	Not Detected	5.3	Not Detected

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: VW-7A

Lab ID#: 0707431-08A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7072607**	**Date of Collection:**	**7/24/07**
Dil. Factor:	**2.33**	**Date of Analysis:**	**7/26/07 03:04 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
1,1,2-Trichloroethane	1.2	Not Detected	6.4	Not Detected
Tetrachloroethene	1.2	Not Detected	7.9	Not Detected
2-Hexanone	4.7	Not Detected	19	Not Detected
Dibromochloromethane	1.2	Not Detected	9.9	Not Detected
1,2-Dibromoethane (EDB)	1.2	Not Detected	9.0	Not Detected
Chlorobenzene	1.2	Not Detected	5.4	Not Detected
Ethyl Benzene	1.2	Not Detected	5.0	Not Detected
m,p-Xylene	1.2	Not Detected	5.0	Not Detected
o-Xylene	1.2	Not Detected	5.0	Not Detected
Styrene	1.2	Not Detected	5.0	Not Detected
Bromoform	1.2	Not Detected	12	Not Detected
Cumene	1.2	Not Detected	5.7	Not Detected
1,1,2,2-Tetrachloroethane	1.2	Not Detected	8.0	Not Detected
Propylbenzene	1.2	Not Detected	5.7	Not Detected
4-Ethyltoluene	1.2	Not Detected	5.7	Not Detected
1,3,5-Trimethylbenzene	1.2	Not Detected	5.7	Not Detected
1,2,4-Trimethylbenzene	1.2	Not Detected	5.7	Not Detected
1,3-Dichlorobenzene	1.2	Not Detected	7.0	Not Detected
1,4-Dichlorobenzene	1.2	Not Detected	7.0	Not Detected
alpha-Chlorotoluene	1.2	Not Detected	6.0	Not Detected
1,2-Dichlorobenzene	1.2	Not Detected	7.0	Not Detected
1,2,4-Trichlorobenzene	4.7	Not Detected	34	Not Detected
Hexachlorobutadiene	4.7	Not Detected	50	Not Detected

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount ppbv
Vinyl Acetate	108-05-4	NA	Not Detected
trans-1,4-Dichloro-2-butene	110-57-6	NA	Not Detected
Iodomethane	74-88-4	NA	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
Toluene-d8	88	70-130
1,2-Dichloroethane-d4	97	70-130
4-Bromofluorobenzene	102	70-130

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: VW-10

Lab ID#: 0707431-09A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7072608**	**Date of Collection:**	**7/24/07**
Dil. Factor:	**2.38**	**Date of Analysis:**	**7/26/07 03:52 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	1.2	Not Detected	5.9	Not Detected
Freon 114	1.2	Not Detected	8.3	Not Detected
Chloromethane	4.8	Not Detected	9.8	Not Detected
Vinyl Chloride	1.2	Not Detected	3.0	Not Detected
1,3-Butadiene	1.2	Not Detected	2.6	Not Detected
Bromomethane	1.2	Not Detected	4.6	Not Detected
Chloroethane	1.2	Not Detected	3.1	Not Detected
Freon 11	1.2	Not Detected	6.7	Not Detected
Ethanol	4.8	Not Detected	9.0	Not Detected
Freon 113	1.2	Not Detected	9.1	Not Detected
1,1-Dichloroethene	1.2	Not Detected	4.7	Not Detected
Acetone	4.8	Not Detected	11	Not Detected
2-Propanol	4.8	Not Detected	12	Not Detected
Carbon Disulfide	1.2	Not Detected	3.7	Not Detected
3-Chloropropene	4.8	Not Detected	15	Not Detected
Methylene Chloride	1.2	Not Detected	4.1	Not Detected
Methyl tert-butyl ether	1.2	Not Detected	4.3	Not Detected
trans-1,2-Dichloroethene	1.2	Not Detected	4.7	Not Detected
Hexane	1.2	Not Detected	4.2	Not Detected
1,1-Dichloroethane	1.2	Not Detected	4.8	Not Detected
2-Butanone (Methyl Ethyl Ketone)	1.2	1.6	3.5	4.6
cis-1,2-Dichloroethene	1.2	Not Detected	4.7	Not Detected
Tetrahydrofuran	1.2	Not Detected	3.5	Not Detected
Chloroform	1.2	1.2	5.8	5.8
1,1,1-Trichloroethane	1.2	Not Detected	6.5	Not Detected
Cyclohexane	1.2	Not Detected	4.1	Not Detected
Carbon Tetrachloride	1.2	Not Detected	7.5	Not Detected
2,2,4-Trimethylpentane	1.2	Not Detected	5.6	Not Detected
Benzene	1.2	Not Detected	3.8	Not Detected
1,2-Dichloroethane	1.2	Not Detected	4.8	Not Detected
Heptane	1.2	Not Detected	4.9	Not Detected
Trichloroethene	1.2	Not Detected	6.4	Not Detected
1,2-Dichloropropane	1.2	Not Detected	5.5	Not Detected
1,4-Dioxane	4.8	Not Detected	17	Not Detected
Bromodichloromethane	1.2	Not Detected	8.0	Not Detected
cis-1,3-Dichloropropene	1.2	Not Detected	5.4	Not Detected
4-Methyl-2-pentanone	1.2	Not Detected	4.9	Not Detected
Toluene	1.2	1.7	4.5	6.6
trans-1,3-Dichloropropene	1.2	Not Detected	5.4	Not Detected

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: VW-10

Lab ID#: 0707431-09A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7072608**	**Date of Collection:**	**7/24/07**
Dil. Factor:	**2.38**	**Date of Analysis:**	**7/26/07 03:52 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
1,1,2-Trichloroethane	1.2	Not Detected	6.5	Not Detected
Tetrachloroethene	1.2	Not Detected	8.1	Not Detected
2-Hexanone	4.8	Not Detected	19	Not Detected
Dibromochloromethane	1.2	Not Detected	10	Not Detected
1,2-Dibromoethane (EDB)	1.2	Not Detected	9.1	Not Detected
Chlorobenzene	1.2	Not Detected	5.5	Not Detected
Ethyl Benzene	1.2	Not Detected	5.2	Not Detected
m,p-Xylene	1.2	Not Detected	5.2	Not Detected
o-Xylene	1.2	Not Detected	5.2	Not Detected
Styrene	1.2	Not Detected	5.1	Not Detected
Bromoform	1.2	Not Detected	12	Not Detected
Cumene	1.2	Not Detected	5.8	Not Detected
1,1,2,2-Tetrachloroethane	1.2	Not Detected	8.2	Not Detected
Propylbenzene	1.2	Not Detected	5.8	Not Detected
4-Ethyltoluene	1.2	Not Detected	5.8	Not Detected
1,3,5-Trimethylbenzene	1.2	Not Detected	5.8	Not Detected
1,2,4-Trimethylbenzene	1.2	Not Detected	5.8	Not Detected
1,3-Dichlorobenzene	1.2	Not Detected	7.2	Not Detected
1,4-Dichlorobenzene	1.2	Not Detected	7.2	Not Detected
alpha-Chlorotoluene	1.2	Not Detected	6.2	Not Detected
1,2-Dichlorobenzene	1.2	Not Detected	7.2	Not Detected
1,2,4-Trichlorobenzene	4.8	Not Detected	35	Not Detected
Hexachlorobutadiene	4.8	Not Detected	51	Not Detected

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount ppbv
Vinyl Acetate	108-05-4	NA	Not Detected
trans-1,4-Dichloro-2-butene	110-57-6	NA	Not Detected
Iodomethane	74-88-4	NA	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
Toluene-d8	93	70-130
1,2-Dichloroethane-d4	96	70-130
4-Bromofluorobenzene	90	70-130

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: VW-12

Lab ID#: 0707431-10A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7072609**	**Date of Collection:**	**7/24/07**
Dil. Factor:	**2.20**	**Date of Analysis:**	**7/26/07 04:32 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	1.1	21	5.4	100
Freon 114	1.1	1.8	7.7	12
Chloromethane	4.4	Not Detected	9.1	Not Detected
Vinyl Chloride	1.1	Not Detected	2.8	Not Detected
1,3-Butadiene	1.1	Not Detected	2.4	Not Detected
Bromomethane	1.1	Not Detected	4.3	Not Detected
Chloroethane	1.1	Not Detected	2.9	Not Detected
Freon 11	1.1	Not Detected	6.2	Not Detected
Ethanol	4.4	10	8.3	20
Freon 113	1.1	25	8.4	190
1,1-Dichloroethene	1.1	Not Detected	4.4	Not Detected
Acetone	4.4	8.5	10	20
2-Propanol	4.4	Not Detected	11	Not Detected
Carbon Disulfide	1.1	4.5	3.4	14
3-Chloropropene	4.4	Not Detected	14	Not Detected
Methylene Chloride	1.1	2.1	3.8	7.2
Methyl tert-butyl ether	1.1	Not Detected	4.0	Not Detected
trans-1,2-Dichloroethene	1.1	Not Detected	4.4	Not Detected
Hexane	1.1	Not Detected	3.9	Not Detected
1,1-Dichloroethane	1.1	Not Detected	4.4	Not Detected
2-Butanone (Methyl Ethyl Ketone)	1.1	1.6	3.2	4.8
cis-1,2-Dichloroethene	1.1	Not Detected	4.4	Not Detected
Tetrahydrofuran	1.1	Not Detected	3.2	Not Detected
Chloroform	1.1	Not Detected	5.4	Not Detected
1,1,1-Trichloroethane	1.1	Not Detected	6.0	Not Detected
Cyclohexane	1.1	Not Detected	3.8	Not Detected
Carbon Tetrachloride	1.1	Not Detected	6.9	Not Detected
2,2,4-Trimethylpentane	1.1	Not Detected	5.1	Not Detected
Benzene	1.1	Not Detected	3.5	Not Detected
1,2-Dichloroethane	1.1	Not Detected	4.4	Not Detected
Heptane	1.1	Not Detected	4.5	Not Detected
Trichloroethene	1.1	Not Detected	5.9	Not Detected
1,2-Dichloropropane	1.1	Not Detected	5.1	Not Detected
1,4-Dioxane	4.4	Not Detected	16	Not Detected
Bromodichloromethane	1.1	Not Detected	7.4	Not Detected
cis-1,3-Dichloropropene	1.1	Not Detected	5.0	Not Detected
4-Methyl-2-pentanone	1.1	Not Detected	4.5	Not Detected
Toluene	1.1	Not Detected	4.1	Not Detected
trans-1,3-Dichloropropene	1.1	Not Detected	5.0	Not Detected

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: VW-12

Lab ID#: 0707431-10A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7072609**	**Date of Collection:**	**7/24/07**
Dil. Factor:	**2.20**	**Date of Analysis:**	**7/26/07 04:32 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
1,1,2-Trichloroethane	1.1	Not Detected	6.0	Not Detected
Tetrachloroethene	1.1	9.2	7.5	62
2-Hexanone	4.4	Not Detected	18	Not Detected
Dibromochloromethane	1.1	Not Detected	9.4	Not Detected
1,2-Dibromoethane (EDB)	1.1	Not Detected	8.4	Not Detected
Chlorobenzene	1.1	Not Detected	5.1	Not Detected
Ethyl Benzene	1.1	Not Detected	4.8	Not Detected
m,p-Xylene	1.1	Not Detected	4.8	Not Detected
o-Xylene	1.1	Not Detected	4.8	Not Detected
Styrene	1.1	Not Detected	4.7	Not Detected
Bromoform	1.1	Not Detected	11	Not Detected
Cumene	1.1	Not Detected	5.4	Not Detected
1,1,2,2-Tetrachloroethane	1.1	Not Detected	7.6	Not Detected
Propylbenzene	1.1	Not Detected	5.4	Not Detected
4-Ethyltoluene	1.1	Not Detected	5.4	Not Detected
1,3,5-Trimethylbenzene	1.1	Not Detected	5.4	Not Detected
1,2,4-Trimethylbenzene	1.1	Not Detected	5.4	Not Detected
1,3-Dichlorobenzene	1.1	Not Detected	6.6	Not Detected
1,4-Dichlorobenzene	1.1	Not Detected	6.6	Not Detected
alpha-Chlorotoluene	1.1	Not Detected	5.7	Not Detected
1,2-Dichlorobenzene	1.1	Not Detected	6.6	Not Detected
1,2,4-Trichlorobenzene	4.4	Not Detected	33	Not Detected
Hexachlorobutadiene	4.4	Not Detected	47	Not Detected

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount ppbv
Vinyl Acetate	108-05-4	NA	Not Detected
trans-1,4-Dichloro-2-butene	110-57-6	NA	Not Detected
Iodomethane	74-88-4	NA	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
Toluene-d8	83	70-130
1,2-Dichloroethane-d4	110	70-130
4-Bromofluorobenzene	95	70-130

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: VW-14

Lab ID#: 0707431-11A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7072610**	**Date of Collection: 7/24/07**	
Dil. Factor:	**2.42**	**Date of Analysis: 7/26/07 05:11 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	1.2	7.5	6.0	37
Freon 114	1.2	Not Detected	8.4	Not Detected
Chloromethane	4.8	Not Detected	10	Not Detected
Vinyl Chloride	1.2	Not Detected	3.1	Not Detected
1,3-Butadiene	1.2	Not Detected	2.7	Not Detected
Bromomethane	1.2	Not Detected	4.7	Not Detected
Chloroethane	1.2	Not Detected	3.2	Not Detected
Freon 11	1.2	Not Detected	6.8	Not Detected
Ethanol	4.8	Not Detected	9.1	Not Detected
Freon 113	1.2	4.6	9.3	35
1,1-Dichloroethene	1.2	Not Detected	4.8	Not Detected
Acetone	4.8	8.9	11	21
2-Propanol	4.8	Not Detected	12	Not Detected
Carbon Disulfide	1.2	Not Detected	3.8	Not Detected
3-Chloropropene	4.8	Not Detected	15	Not Detected
Methylene Chloride	1.2	Not Detected	4.2	Not Detected
Methyl tert-butyl ether	1.2	Not Detected	4.4	Not Detected
trans-1,2-Dichloroethene	1.2	Not Detected	4.8	Not Detected
Hexane	1.2	Not Detected	4.3	Not Detected
1,1-Dichloroethane	1.2	Not Detected	4.9	Not Detected
2-Butanone (Methyl Ethyl Ketone)	1.2	3.0	3.6	9.0
cis-1,2-Dichloroethene	1.2	Not Detected	4.8	Not Detected
Tetrahydrofuran	1.2	Not Detected	3.6	Not Detected
Chloroform	1.2	Not Detected	5.9	Not Detected
1,1,1-Trichloroethane	1.2	Not Detected	6.6	Not Detected
Cyclohexane	1.2	Not Detected	4.2	Not Detected
Carbon Tetrachloride	1.2	Not Detected	7.6	Not Detected
2,2,4-Trimethylpentane	1.2	Not Detected	5.6	Not Detected
Benzene	1.2	Not Detected	3.9	Not Detected
1,2-Dichloroethane	1.2	Not Detected	4.9	Not Detected
Heptane	1.2	Not Detected	5.0	Not Detected
Trichloroethene	1.2	Not Detected	6.5	Not Detected
1,2-Dichloropropane	1.2	Not Detected	5.6	Not Detected
1,4-Dioxane	4.8	Not Detected	17	Not Detected
Bromodichloromethane	1.2	Not Detected	8.1	Not Detected
cis-1,3-Dichloropropene	1.2	Not Detected	5.5	Not Detected
4-Methyl-2-pentanone	1.2	Not Detected	5.0	Not Detected
Toluene	1.2	1.7	4.6	6.3
trans-1,3-Dichloropropene	1.2	Not Detected	5.5	Not Detected

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: VW-14

Lab ID#: 0707431-11A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7072610**	**Date of Collection:**	**7/24/07**
Dil. Factor:	**2.42**	**Date of Analysis:**	**7/26/07 05:11 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
1,1,2-Trichloroethane	1.2	Not Detected	6.6	Not Detected
Tetrachloroethene	1.2	Not Detected	8.2	Not Detected
2-Hexanone	4.8	Not Detected	20	Not Detected
Dibromochloromethane	1.2	Not Detected	10	Not Detected
1,2-Dibromoethane (EDB)	1.2	Not Detected	9.3	Not Detected
Chlorobenzene	1.2	Not Detected	5.6	Not Detected
Ethyl Benzene	1.2	Not Detected	5.2	Not Detected
m,p-Xylene	1.2	Not Detected	5.2	Not Detected
o-Xylene	1.2	Not Detected	5.2	Not Detected
Styrene	1.2	Not Detected	5.2	Not Detected
Bromoform	1.2	Not Detected	12	Not Detected
Cumene	1.2	Not Detected	5.9	Not Detected
1,1,2,2-Tetrachloroethane	1.2	Not Detected	8.3	Not Detected
Propylbenzene	1.2	Not Detected	5.9	Not Detected
4-Ethyltoluene	1.2	Not Detected	5.9	Not Detected
1,3,5-Trimethylbenzene	1.2	Not Detected	5.9	Not Detected
1,2,4-Trimethylbenzene	1.2	Not Detected	5.9	Not Detected
1,3-Dichlorobenzene	1.2	Not Detected	7.3	Not Detected
1,4-Dichlorobenzene	1.2	Not Detected	7.3	Not Detected
alpha-Chlorotoluene	1.2	Not Detected	6.3	Not Detected
1,2-Dichlorobenzene	1.2	Not Detected	7.3	Not Detected
1,2,4-Trichlorobenzene	4.8	Not Detected	36	Not Detected
Hexachlorobutadiene	4.8	Not Detected	52	Not Detected

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount ppbv
Vinyl Acetate	108-05-4	NA	Not Detected
trans-1,4-Dichloro-2-butene	110-57-6	NA	Not Detected
Iodomethane	74-88-4	NA	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
Toluene-d8	87	70-130
1,2-Dichloroethane-d4	106	70-130
4-Bromofluorobenzene	91	70-130

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: QCFB

Lab ID#: 0707431-12A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7072611**	**Date of Collection: 7/24/07**	
Dil. Factor:	**2.38**	**Date of Analysis: 7/26/07 05:50 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	1.2	Not Detected	5.9	Not Detected
Freon 114	1.2	Not Detected	8.3	Not Detected
Chloromethane	4.8	Not Detected	9.8	Not Detected
Vinyl Chloride	1.2	Not Detected	3.0	Not Detected
1,3-Butadiene	1.2	Not Detected	2.6	Not Detected
Bromomethane	1.2	Not Detected	4.6	Not Detected
Chloroethane	1.2	Not Detected	3.1	Not Detected
Freon 11	1.2	Not Detected	6.7	Not Detected
Ethanol	4.8	Not Detected	9.0	Not Detected
Freon 113	1.2	Not Detected	9.1	Not Detected
1,1-Dichloroethene	1.2	Not Detected	4.7	Not Detected
Acetone	4.8	7.5	11	18
2-Propanol	4.8	7.8	12	19
Carbon Disulfide	1.2	Not Detected	3.7	Not Detected
3-Chloropropene	4.8	Not Detected	15	Not Detected
Methylene Chloride	1.2	Not Detected	4.1	Not Detected
Methyl tert-butyl ether	1.2	Not Detected	4.3	Not Detected
trans-1,2-Dichloroethene	1.2	Not Detected	4.7	Not Detected
Hexane	1.2	Not Detected	4.2	Not Detected
1,1-Dichloroethane	1.2	Not Detected	4.8	Not Detected
2-Butanone (Methyl Ethyl Ketone)	1.2	Not Detected	3.5	Not Detected
cis-1,2-Dichloroethene	1.2	Not Detected	4.7	Not Detected
Tetrahydrofuran	1.2	Not Detected	3.5	Not Detected
Chloroform	1.2	Not Detected	5.8	Not Detected
1,1,1-Trichloroethane	1.2	Not Detected	6.5	Not Detected
Cyclohexane	1.2	Not Detected	4.1	Not Detected
Carbon Tetrachloride	1.2	Not Detected	7.5	Not Detected
2,2,4-Trimethylpentane	1.2	Not Detected	5.6	Not Detected
Benzene	1.2	Not Detected	3.8	Not Detected
1,2-Dichloroethane	1.2	Not Detected	4.8	Not Detected
Heptane	1.2	Not Detected	4.9	Not Detected
Trichloroethene	1.2	Not Detected	6.4	Not Detected
1,2-Dichloropropane	1.2	Not Detected	5.5	Not Detected
1,4-Dioxane	4.8	Not Detected	17	Not Detected
Bromodichloromethane	1.2	Not Detected	8.0	Not Detected
cis-1,3-Dichloropropene	1.2	Not Detected	5.4	Not Detected
4-Methyl-2-pentanone	1.2	Not Detected	4.9	Not Detected
Toluene	1.2	Not Detected	4.5	Not Detected
trans-1,3-Dichloropropene	1.2	Not Detected	5.4	Not Detected

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: QCFB

Lab ID#: 0707431-12A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7072611**	**Date of Collection:**	**7/24/07**
Dil. Factor:	**2.38**	**Date of Analysis:**	**7/26/07 05:50 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
1,1,2-Trichloroethane	1.2	Not Detected	6.5	Not Detected
Tetrachloroethene	1.2	Not Detected	8.1	Not Detected
2-Hexanone	4.8	Not Detected	19	Not Detected
Dibromochloromethane	1.2	Not Detected	10	Not Detected
1,2-Dibromoethane (EDB)	1.2	Not Detected	9.1	Not Detected
Chlorobenzene	1.2	Not Detected	5.5	Not Detected
Ethyl Benzene	1.2	Not Detected	5.2	Not Detected
m,p-Xylene	1.2	Not Detected	5.2	Not Detected
o-Xylene	1.2	Not Detected	5.2	Not Detected
Styrene	1.2	Not Detected	5.1	Not Detected
Bromoform	1.2	Not Detected	12	Not Detected
Cumene	1.2	Not Detected	5.8	Not Detected
1,1,2,2-Tetrachloroethane	1.2	Not Detected	8.2	Not Detected
Propylbenzene	1.2	Not Detected	5.8	Not Detected
4-Ethyltoluene	1.2	Not Detected	5.8	Not Detected
1,3,5-Trimethylbenzene	1.2	Not Detected	5.8	Not Detected
1,2,4-Trimethylbenzene	1.2	Not Detected	5.8	Not Detected
1,3-Dichlorobenzene	1.2	Not Detected	7.2	Not Detected
1,4-Dichlorobenzene	1.2	Not Detected	7.2	Not Detected
alpha-Chlorotoluene	1.2	Not Detected	6.2	Not Detected
1,2-Dichlorobenzene	1.2	Not Detected	7.2	Not Detected
1,2,4-Trichlorobenzene	4.8	Not Detected	35	Not Detected
Hexachlorobutadiene	4.8	Not Detected	51	Not Detected

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount ppbv
Vinyl Acetate	108-05-4	NA	Not Detected
trans-1,4-Dichloro-2-butene	110-57-6	NA	Not Detected
Iodomethane	74-88-4	NA	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
Toluene-d8	88	70-130
1,2-Dichloroethane-d4	106	70-130
4-Bromofluorobenzene	98	70-130

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: QCTB

Lab ID#: 0707431-13A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7072612**	**Date of Collection: 7/24/07**	
Dil. Factor:	**1.00**	**Date of Analysis: 7/26/07 06:30 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.50	Not Detected	2.5	Not Detected
Freon 114	0.50	Not Detected	3.5	Not Detected
Chloromethane	2.0	Not Detected	4.1	Not Detected
Vinyl Chloride	0.50	Not Detected	1.3	Not Detected
1,3-Butadiene	0.50	Not Detected	1.1	Not Detected
Bromomethane	0.50	Not Detected	1.9	Not Detected
Chloroethane	0.50	Not Detected	1.3	Not Detected
Freon 11	0.50	Not Detected	2.8	Not Detected
Ethanol	2.0	Not Detected	3.8	Not Detected
Freon 113	0.50	Not Detected	3.8	Not Detected
1,1-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Acetone	2.0	Not Detected	4.8	Not Detected
2-Propanol	2.0	Not Detected	4.9	Not Detected
Carbon Disulfide	0.50	Not Detected	1.6	Not Detected
3-Chloropropene	2.0	Not Detected	6.3	Not Detected
Methylene Chloride	0.50	Not Detected	1.7	Not Detected
Methyl tert-butyl ether	0.50	Not Detected	1.8	Not Detected
trans-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Hexane	0.50	Not Detected	1.8	Not Detected
1,1-Dichloroethane	0.50	Not Detected	2.0	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.50	Not Detected	1.5	Not Detected
cis-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Tetrahydrofuran	0.50	Not Detected	1.5	Not Detected
Chloroform	0.50	Not Detected	2.4	Not Detected
1,1,1-Trichloroethane	0.50	Not Detected	2.7	Not Detected
Cyclohexane	0.50	Not Detected	1.7	Not Detected
Carbon Tetrachloride	0.50	Not Detected	3.1	Not Detected
2,2,4-Trimethylpentane	0.50	Not Detected	2.3	Not Detected
Benzene	0.50	Not Detected	1.6	Not Detected
1,2-Dichloroethane	0.50	Not Detected	2.0	Not Detected
Heptane	0.50	Not Detected	2.0	Not Detected
Trichloroethene	0.50	Not Detected	2.7	Not Detected
1,2-Dichloropropane	0.50	Not Detected	2.3	Not Detected
1,4-Dioxane	2.0	Not Detected	7.2	Not Detected
Bromodichloromethane	0.50	Not Detected	3.4	Not Detected
cis-1,3-Dichloropropene	0.50	Not Detected	2.3	Not Detected
4-Methyl-2-pentanone	0.50	Not Detected	2.0	Not Detected
Toluene	0.50	Not Detected	1.9	Not Detected
trans-1,3-Dichloropropene	0.50	Not Detected	2.3	Not Detected

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: QCTB

Lab ID#: 0707431-13A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7072612**	**Date of Collection:**	**7/24/07**
Dil. Factor:	**1.00**	**Date of Analysis:**	**7/26/07 06:30 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
1,1,2-Trichloroethane	0.50	Not Detected	2.7	Not Detected
Tetrachloroethene	0.50	Not Detected	3.4	Not Detected
2-Hexanone	2.0	Not Detected	8.2	Not Detected
Dibromochloromethane	0.50	Not Detected	4.2	Not Detected
1,2-Dibromoethane (EDB)	0.50	Not Detected	3.8	Not Detected
Chlorobenzene	0.50	Not Detected	2.3	Not Detected
Ethyl Benzene	0.50	Not Detected	2.2	Not Detected
m,p-Xylene	0.50	Not Detected	2.2	Not Detected
o-Xylene	0.50	Not Detected	2.2	Not Detected
Styrene	0.50	Not Detected	2.1	Not Detected
Bromoform	0.50	Not Detected	5.2	Not Detected
Cumene	0.50	Not Detected	2.4	Not Detected
1,1,2,2-Tetrachloroethane	0.50	Not Detected	3.4	Not Detected
Propylbenzene	0.50	Not Detected	2.4	Not Detected
4-Ethyltoluene	0.50	Not Detected	2.4	Not Detected
1,3,5-Trimethylbenzene	0.50	Not Detected	2.4	Not Detected
1,2,4-Trimethylbenzene	0.50	Not Detected	2.4	Not Detected
1,3-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
1,4-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
alpha-Chlorotoluene	0.50	Not Detected	2.6	Not Detected
1,2-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
1,2,4-Trichlorobenzene	2.0	Not Detected	15	Not Detected
Hexachlorobutadiene	2.0	Not Detected	21	Not Detected

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount ppbv
Vinyl Acetate	108-05-4	NA	Not Detected
trans-1,4-Dichloro-2-butene	110-57-6	NA	Not Detected
Iodomethane	74-88-4	NA	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
Toluene-d8	87	70-130
1,2-Dichloroethane-d4	106	70-130
4-Bromofluorobenzene	84	70-130

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: VW-1A

Lab ID#: 0707431-14A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7072613**	**Date of Collection:**	**7/24/07**
Dil. Factor:	**2.53**	**Date of Analysis:**	**7/26/07 07:11 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	1.3	Not Detected	6.2	Not Detected
Freon 114	1.3	Not Detected	8.8	Not Detected
Chloromethane	5.1	Not Detected	10	Not Detected
Vinyl Chloride	1.3	Not Detected	3.2	Not Detected
1,3-Butadiene	1.3	Not Detected	2.8	Not Detected
Bromomethane	1.3	Not Detected	4.9	Not Detected
Chloroethane	1.3	Not Detected	3.3	Not Detected
Freon 11	1.3	Not Detected	7.1	Not Detected
Ethanol	5.1	Not Detected	9.5	Not Detected
Freon 113	1.3	Not Detected	9.7	Not Detected
1,1-Dichloroethene	1.3	Not Detected	5.0	Not Detected
Acetone	5.1	Not Detected	12	Not Detected
2-Propanol	5.1	Not Detected	12	Not Detected
Carbon Disulfide	1.3	Not Detected	3.9	Not Detected
3-Chloropropene	5.1	Not Detected	16	Not Detected
Methylene Chloride	1.3	Not Detected	4.4	Not Detected
Methyl tert-butyl ether	1.3	Not Detected	4.6	Not Detected
trans-1,2-Dichloroethene	1.3	Not Detected	5.0	Not Detected
Hexane	1.3	Not Detected	4.4	Not Detected
1,1-Dichloroethane	1.3	Not Detected	5.1	Not Detected
2-Butanone (Methyl Ethyl Ketone)	1.3	Not Detected	3.7	Not Detected
cis-1,2-Dichloroethene	1.3	Not Detected	5.0	Not Detected
Tetrahydrofuran	1.3	Not Detected	3.7	Not Detected
Chloroform	1.3	1.3	6.2	6.2
1,1,1-Trichloroethane	1.3	Not Detected	6.9	Not Detected
Cyclohexane	1.3	Not Detected	4.4	Not Detected
Carbon Tetrachloride	1.3	Not Detected	8.0	Not Detected
2,2,4-Trimethylpentane	1.3	Not Detected	5.9	Not Detected
Benzene	1.3	Not Detected	4.0	Not Detected
1,2-Dichloroethane	1.3	Not Detected	5.1	Not Detected
Heptane	1.3	Not Detected	5.2	Not Detected
Trichloroethene	1.3	Not Detected	6.8	Not Detected
1,2-Dichloropropane	1.3	Not Detected	5.8	Not Detected
1,4-Dioxane	5.1	Not Detected	18	Not Detected
Bromodichloromethane	1.3	Not Detected	8.5	Not Detected
cis-1,3-Dichloropropene	1.3	Not Detected	5.7	Not Detected
4-Methyl-2-pentanone	1.3	Not Detected	5.2	Not Detected
Toluene	1.3	Not Detected	4.8	Not Detected
trans-1,3-Dichloropropene	1.3	Not Detected	5.7	Not Detected

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: VW-1A

Lab ID#: 0707431-14A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7072613**	**Date of Collection:**	**7/24/07**
Dil. Factor:	**2.53**	**Date of Analysis:**	**7/26/07 07:11 PM**

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
1,1,2-Trichloroethane	1.3	Not Detected	6.9	Not Detected
Tetrachloroethene	1.3	Not Detected	8.6	Not Detected
2-Hexanone	5.1	Not Detected	21	Not Detected
Dibromochloromethane	1.3	Not Detected	11	Not Detected
1,2-Dibromoethane (EDB)	1.3	Not Detected	9.7	Not Detected
Chlorobenzene	1.3	Not Detected	5.8	Not Detected
Ethyl Benzene	1.3	Not Detected	5.5	Not Detected
m,p-Xylene	1.3	Not Detected	5.5	Not Detected
o-Xylene	1.3	Not Detected	5.5	Not Detected
Styrene	1.3	Not Detected	5.4	Not Detected
Bromoform	1.3	Not Detected	13	Not Detected
Cumene	1.3	Not Detected	6.2	Not Detected
1,1,2,2-Tetrachloroethane	1.3	Not Detected	8.7	Not Detected
Propylbenzene	1.3	Not Detected	6.2	Not Detected
4-Ethyltoluene	1.3	Not Detected	6.2	Not Detected
1,3,5-Trimethylbenzene	1.3	Not Detected	6.2	Not Detected
1,2,4-Trimethylbenzene	1.3	Not Detected	6.2	Not Detected
1,3-Dichlorobenzene	1.3	Not Detected	7.6	Not Detected
1,4-Dichlorobenzene	1.3	Not Detected	7.6	Not Detected
alpha-Chlorotoluene	1.3	Not Detected	6.5	Not Detected
1,2-Dichlorobenzene	1.3	Not Detected	7.6	Not Detected
1,2,4-Trichlorobenzene	5.1	Not Detected	38	Not Detected
Hexachlorobutadiene	5.1	Not Detected	54	Not Detected

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount ppbv
Vinyl Acetate	108-05-4	NA	Not Detected
trans-1,4-Dichloro-2-butene	110-57-6	NA	Not Detected
Iodomethane	74-88-4	NA	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
Toluene-d8	88	70-130
1,2-Dichloroethane-d4	99	70-130
4-Bromofluorobenzene	110	70-130

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Lab Blank

Lab ID#: 0707431-15A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7072606**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 7/26/07 02:07 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.50	Not Detected	2.5	Not Detected
Freon 114	0.50	Not Detected	3.5	Not Detected
Chloromethane	2.0	Not Detected	4.1	Not Detected
Vinyl Chloride	0.50	Not Detected	1.3	Not Detected
1,3-Butadiene	0.50	Not Detected	1.1	Not Detected
Bromomethane	0.50	Not Detected	1.9	Not Detected
Chloroethane	0.50	Not Detected	1.3	Not Detected
Freon 11	0.50	Not Detected	2.8	Not Detected
Ethanol	2.0	Not Detected	3.8	Not Detected
Freon 113	0.50	Not Detected	3.8	Not Detected
1,1-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Acetone	2.0	Not Detected	4.8	Not Detected
2-Propanol	2.0	Not Detected	4.9	Not Detected
Carbon Disulfide	0.50	Not Detected	1.6	Not Detected
3-Chloropropene	2.0	Not Detected	6.3	Not Detected
Methylene Chloride	0.50	Not Detected	1.7	Not Detected
Methyl tert-butyl ether	0.50	Not Detected	1.8	Not Detected
trans-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Hexane	0.50	Not Detected	1.8	Not Detected
1,1-Dichloroethane	0.50	Not Detected	2.0	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.50	Not Detected	1.5	Not Detected
cis-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Tetrahydrofuran	0.50	Not Detected	1.5	Not Detected
Chloroform	0.50	Not Detected	2.4	Not Detected
1,1,1-Trichloroethane	0.50	Not Detected	2.7	Not Detected
Cyclohexane	0.50	Not Detected	1.7	Not Detected
Carbon Tetrachloride	0.50	Not Detected	3.1	Not Detected
2,2,4-Trimethylpentane	0.50	Not Detected	2.3	Not Detected
Benzene	0.50	Not Detected	1.6	Not Detected
1,2-Dichloroethane	0.50	Not Detected	2.0	Not Detected
Heptane	0.50	Not Detected	2.0	Not Detected
Trichloroethene	0.50	Not Detected	2.7	Not Detected
1,2-Dichloropropane	0.50	Not Detected	2.3	Not Detected
1,4-Dioxane	2.0	Not Detected	7.2	Not Detected
Bromodichloromethane	0.50	Not Detected	3.4	Not Detected
cis-1,3-Dichloropropene	0.50	Not Detected	2.3	Not Detected
4-Methyl-2-pentanone	0.50	Not Detected	2.0	Not Detected
Toluene	0.50	Not Detected	1.9	Not Detected
trans-1,3-Dichloropropene	0.50	Not Detected	2.3	Not Detected

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Lab Blank

Lab ID#: 0707431-15A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7072606**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 7/26/07 02:07 PM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
1,1,2-Trichloroethane	0.50	Not Detected	2.7	Not Detected
Tetrachloroethene	0.50	Not Detected	3.4	Not Detected
2-Hexanone	2.0	Not Detected	8.2	Not Detected
Dibromochloromethane	0.50	Not Detected	4.2	Not Detected
1,2-Dibromoethane (EDB)	0.50	Not Detected	3.8	Not Detected
Chlorobenzene	0.50	Not Detected	2.3	Not Detected
Ethyl Benzene	0.50	Not Detected	2.2	Not Detected
m,p-Xylene	0.50	Not Detected	2.2	Not Detected
o-Xylene	0.50	Not Detected	2.2	Not Detected
Styrene	0.50	Not Detected	2.1	Not Detected
Bromoform	0.50	Not Detected	5.2	Not Detected
Cumene	0.50	Not Detected	2.4	Not Detected
1,1,2,2-Tetrachloroethane	0.50	Not Detected	3.4	Not Detected
Propylbenzene	0.50	Not Detected	2.4	Not Detected
4-Ethyltoluene	0.50	Not Detected	2.4	Not Detected
1,3,5-Trimethylbenzene	0.50	Not Detected	2.4	Not Detected
1,2,4-Trimethylbenzene	0.50	Not Detected	2.4	Not Detected
1,3-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
1,4-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
alpha-Chlorotoluene	0.50	Not Detected	2.6	Not Detected
1,2-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
1,2,4-Trichlorobenzene	2.0	Not Detected	15	Not Detected
Hexachlorobutadiene	2.0	Not Detected	21	Not Detected

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount ppbv
Vinyl Acetate	108-05-4	NA	Not Detected
trans-1,4-Dichloro-2-butene	110-57-6	NA	Not Detected
Iodomethane	74-88-4	NA	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	86	70-130
1,2-Dichloroethane-d4	84	70-130
4-Bromofluorobenzene	98	70-130

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Lab Blank

Lab ID#: 0707431-15B

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**1072605**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 7/26/07 10:33 AM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	0.50	Not Detected	2.5	Not Detected
Freon 114	0.50	Not Detected	3.5	Not Detected
Chloromethane	2.0	Not Detected	4.1	Not Detected
Vinyl Chloride	0.50	Not Detected	1.3	Not Detected
1,3-Butadiene	0.50	Not Detected	1.1	Not Detected
Bromomethane	0.50	Not Detected	1.9	Not Detected
Chloroethane	0.50	Not Detected	1.3	Not Detected
Freon 11	0.50	Not Detected	2.8	Not Detected
Ethanol	2.0	Not Detected	3.8	Not Detected
Freon 113	0.50	Not Detected	3.8	Not Detected
1,1-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Acetone	2.0	Not Detected	4.8	Not Detected
2-Propanol	2.0	Not Detected	4.9	Not Detected
Carbon Disulfide	0.50	Not Detected	1.6	Not Detected
3-Chloropropene	2.0	Not Detected	6.3	Not Detected
Methylene Chloride	0.50	Not Detected	1.7	Not Detected
Methyl tert-butyl ether	0.50	Not Detected	1.8	Not Detected
trans-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Hexane	0.50	Not Detected	1.8	Not Detected
1,1-Dichloroethane	0.50	Not Detected	2.0	Not Detected
2-Butanone (Methyl Ethyl Ketone)	0.50	Not Detected	1.5	Not Detected
cis-1,2-Dichloroethene	0.50	Not Detected	2.0	Not Detected
Tetrahydrofuran	0.50	Not Detected	1.5	Not Detected
Chloroform	0.50	Not Detected	2.4	Not Detected
1,1,1-Trichloroethane	0.50	Not Detected	2.7	Not Detected
Cyclohexane	0.50	Not Detected	1.7	Not Detected
Carbon Tetrachloride	0.50	Not Detected	3.1	Not Detected
2,2,4-Trimethylpentane	0.50	Not Detected	2.3	Not Detected
Benzene	0.50	Not Detected	1.6	Not Detected
1,2-Dichloroethane	0.50	Not Detected	2.0	Not Detected
Heptane	0.50	Not Detected	2.0	Not Detected
Trichloroethene	0.50	Not Detected	2.7	Not Detected
1,2-Dichloropropane	0.50	Not Detected	2.3	Not Detected
1,4-Dioxane	2.0	Not Detected	7.2	Not Detected
Bromodichloromethane	0.50	Not Detected	3.4	Not Detected
cis-1,3-Dichloropropene	0.50	Not Detected	2.3	Not Detected
4-Methyl-2-pentanone	0.50	Not Detected	2.0	Not Detected
Toluene	0.50	Not Detected	1.9	Not Detected
trans-1,3-Dichloropropene	0.50	Not Detected	2.3	Not Detected

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Lab Blank

Lab ID#: 0707431-15B

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**1072605**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 7/26/07 10:33 AM**	

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
1,1,2-Trichloroethane	0.50	Not Detected	2.7	Not Detected
Tetrachloroethene	0.50	Not Detected	3.4	Not Detected
2-Hexanone	2.0	Not Detected	8.2	Not Detected
Dibromochloromethane	0.50	Not Detected	4.2	Not Detected
1,2-Dibromoethane (EDB)	0.50	Not Detected	3.8	Not Detected
Chlorobenzene	0.50	Not Detected	2.3	Not Detected
Ethyl Benzene	0.50	Not Detected	2.2	Not Detected
m,p-Xylene	0.50	Not Detected	2.2	Not Detected
o-Xylene	0.50	Not Detected	2.2	Not Detected
Styrene	0.50	Not Detected	2.1	Not Detected
Bromoform	0.50	Not Detected	5.2	Not Detected
Cumene	0.50	Not Detected	2.4	Not Detected
1,1,2,2-Tetrachloroethane	0.50	Not Detected	3.4	Not Detected
Propylbenzene	0.50	Not Detected	2.4	Not Detected
4-Ethyltoluene	0.50	Not Detected	2.4	Not Detected
1,3,5-Trimethylbenzene	0.50	Not Detected	2.4	Not Detected
1,2,4-Trimethylbenzene	0.50	Not Detected	2.4	Not Detected
1,3-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
1,4-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
alpha-Chlorotoluene	0.50	Not Detected	2.6	Not Detected
1,2-Dichlorobenzene	0.50	Not Detected	3.0	Not Detected
1,2,4-Trichlorobenzene	2.0	Not Detected	15	Not Detected
Hexachlorobutadiene	2.0	Not Detected	21	Not Detected

TENTATIVELY IDENTIFIED COMPOUNDS

Compound	CAS Number	Match Quality	Amount ppbv
Vinyl Acetate	108-05-4	NA	Not Detected
trans-1,4-Dichloro-2-butene	110-57-6	NA	Not Detected
Iodomethane	74-88-4	NA	Not Detected

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
Toluene-d8	99	70-130
1,2-Dichloroethane-d4	94	70-130
4-Bromofluorobenzene	95	70-130

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: CCV

Lab ID#: 0707431-16A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7072602**	**Date of Collection: NA**
Dil. Factor:	**1.00**	**Date of Analysis: 7/26/07 11:09 AM**

Compound	%Recovery
Freon 12	91
Freon 114	100
Chloromethane	91
Vinyl Chloride	108
1,3-Butadiene	109
Bromomethane	79
Chloroethane	92
Freon 11	84
Ethanol	91
Freon 113	105
1,1-Dichloroethene	109
Acetone	114
2-Propanol	114
Carbon Disulfide	115
3-Chloropropene	114
Methylene Chloride	118
Methyl tert-butyl ether	113
trans-1,2-Dichloroethene	111
Hexane	118
1,1-Dichloroethane	112
2-Butanone (Methyl Ethyl Ketone)	123
cis-1,2-Dichloroethene	118
Tetrahydrofuran	120
Chloroform	108
1,1,1-Trichloroethane	104
Cyclohexane	110
Carbon Tetrachloride	103
2,2,4-Trimethylpentane	114
Benzene	108
1,2-Dichloroethane	111
Heptane	113
Trichloroethene	106
1,2-Dichloropropane	110
1,4-Dioxane	105
Bromodichloromethane	99
cis-1,3-Dichloropropene	99
4-Methyl-2-pentanone	102
Toluene	95
trans-1,3-Dichloropropene	113

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: CCV

Lab ID#: 0707431-16A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7072602**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 7/26/07 11:09 AM**	

Compound	**%Recovery**
1,1,2-Trichloroethane	113
Tetrachloroethene	112
2-Hexanone	118
Dibromochloromethane	114
1,2-Dibromoethane (EDB)	111
Chlorobenzene	100
Ethyl Benzene	104
m,p-Xylene	100
o-Xylene	105
Styrene	115
Bromoform	109
Cumene	106
1,1,2,2-Tetrachloroethane	104
Propylbenzene	104
4-Ethyltoluene	105
1,3,5-Trimethylbenzene	104
1,2,4-Trimethylbenzene	105
1,3-Dichlorobenzene	99
1,4-Dichlorobenzene	98
alpha-Chlorotoluene	102
1,2-Dichlorobenzene	94
1,2,4-Trichlorobenzene	80
Hexachlorobutadiene	82

Container Type: NA - Not Applicable

Surrogates	**%Recovery**	**Method Limits**
Toluene-d8	89	70-130
1,2-Dichloroethane-d4	101	70-130
4-Bromofluorobenzene	102	70-130

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: CCV

Lab ID#: 0707431-16B

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**1072602**	**Date of Collection: NA**
Dil. Factor:	**1.00**	**Date of Analysis: 7/26/07 08:27 AM**

Compound	%Recovery
Freon 12	108
Freon 114	109
Chloromethane	109
Vinyl Chloride	113
1,3-Butadiene	112
Bromomethane	110
Chloroethane	98
Freon 11	104
Ethanol	117
Freon 113	113
1,1-Dichloroethene	111
Acetone	112
2-Propanol	116
Carbon Disulfide	105
3-Chloropropene	112
Methylene Chloride	99
Methyl tert-butyl ether	92
trans-1,2-Dichloroethene	98
Hexane	112
1,1-Dichloroethane	109
2-Butanone (Methyl Ethyl Ketone)	112
cis-1,2-Dichloroethene	111
Tetrahydrofuran	105
Chloroform	107
1,1,1-Trichloroethane	105
Cyclohexane	106
Carbon Tetrachloride	107
2,2,4-Trimethylpentane	107
Benzene	102
1,2-Dichloroethane	105
Heptane	105
Trichloroethene	101
1,2-Dichloropropane	106
1,4-Dioxane	102
Bromodichloromethane	102
cis-1,3-Dichloropropene	105
4-Methyl-2-pentanone	115
Toluene	104
trans-1,3-Dichloropropene	104

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: CCV

Lab ID#: 0707431-16B

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**1072602**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 7/26/07 08:27 AM**	

Compound	**%Recovery**
1,1,2-Trichloroethane	98
Tetrachloroethene	102
2-Hexanone	102
Dibromochloromethane	102
1,2-Dibromoethane (EDB)	102
Chlorobenzene	99
Ethyl Benzene	102
m,p-Xylene	99
o-Xylene	100
Styrene	102
Bromoform	104
Cumene	96
1,1,2,2-Tetrachloroethane	97
Propylbenzene	96
4-Ethyltoluene	95
1,3,5-Trimethylbenzene	91
1,2,4-Trimethylbenzene	92
1,3-Dichlorobenzene	94
1,4-Dichlorobenzene	94
alpha-Chlorotoluene	96
1,2-Dichlorobenzene	91
1,2,4-Trichlorobenzene	91
Hexachlorobutadiene	90

Container Type: NA - Not Applicable

Surrogates	**%Recovery**	**Method Limits**
Toluene-d8	102	70-130
1,2-Dichloroethane-d4	102	70-130
4-Bromofluorobenzene	100	70-130

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: LCS

Lab ID#: 0707431-17A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7072604**	**Date of Collection: NA**
Dil. Factor:	**1.00**	**Date of Analysis: 7/26/07 12:32 PM**

Compound	%Recovery
Freon 12	86
Freon 114	96
Chloromethane	89
Vinyl Chloride	106
1,3-Butadiene	105
Bromomethane	102
Chloroethane	108
Freon 11	98
Ethanol	116
Freon 113	117
1,1-Dichloroethene	122
Acetone	113
2-Propanol	113
Carbon Disulfide	110
3-Chloropropene	106
Methylene Chloride	118
Methyl tert-butyl ether	109
trans-1,2-Dichloroethene	109
Hexane	127
1,1-Dichloroethane	116
2-Butanone (Methyl Ethyl Ketone)	116
cis-1,2-Dichloroethene	113
Tetrahydrofuran	121
Chloroform	108
1,1,1-Trichloroethane	105
Cyclohexane	109
Carbon Tetrachloride	102
2,2,4-Trimethylpentane	110
Benzene	107
1,2-Dichloroethane	109
Heptane	115
Trichloroethene	106
1,2-Dichloropropane	112
1,4-Dioxane	104
Bromodichloromethane	102
cis-1,3-Dichloropropene	101
4-Methyl-2-pentanone	110
Toluene	99
trans-1,3-Dichloropropene	114

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: LCS

Lab ID#: 0707431-17A

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**7072604**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 7/26/07 12:32 PM**	

Compound	**%Recovery**
1,1,2-Trichloroethane	108
Tetrachloroethene	111
2-Hexanone	110
Dibromochloromethane	114
1,2-Dibromoethane (EDB)	105
Chlorobenzene	105
Ethyl Benzene	107
m,p-Xylene	106
o-Xylene	105
Styrene	114
Bromoform	108
Cumene	111
1,1,2,2-Tetrachloroethane	102
Propylbenzene	107
4-Ethyltoluene	108
1,3,5-Trimethylbenzene	104
1,2,4-Trimethylbenzene	103
1,3-Dichlorobenzene	101
1,4-Dichlorobenzene	101
alpha-Chlorotoluene	111
1,2-Dichlorobenzene	100
1,2,4-Trichlorobenzene	90
Hexachlorobutadiene	92

Container Type: NA - Not Applicable

Surrogates	**%Recovery**	**Method Limits**
Toluene-d8	90	70-130
1,2-Dichloroethane-d4	99	70-130
4-Bromofluorobenzene	105	70-130

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: LCS

Lab ID#: 0707431-17B

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**1072603**	**Date of Collection: NA**
Dil. Factor:	**1.00**	**Date of Analysis: 7/26/07 09:05 AM**

Compound	%Recovery
Freon 12	103
Freon 114	104
Chloromethane	109
Vinyl Chloride	108
1,3-Butadiene	113
Bromomethane	108
Chloroethane	97
Freon 11	103
Ethanol	104
Freon 113	109
1,1-Dichloroethene	106
Acetone	103
2-Propanol	108
Carbon Disulfide	100
3-Chloropropene	107
Methylene Chloride	100
Methyl tert-butyl ether	96
trans-1,2-Dichloroethene	100
Hexane	112
1,1-Dichloroethane	109
2-Butanone (Methyl Ethyl Ketone)	112
cis-1,2-Dichloroethene	113
Tetrahydrofuran	103
Chloroform	108
1,1,1-Trichloroethane	106
Cyclohexane	109
Carbon Tetrachloride	107
2,2,4-Trimethylpentane	114
Benzene	108
1,2-Dichloroethane	110
Heptane	110
Trichloroethene	106
1,2-Dichloropropane	111
1,4-Dioxane	99
Bromodichloromethane	108
cis-1,3-Dichloropropene	108
4-Methyl-2-pentanone	114
Toluene	107
trans-1,3-Dichloropropene	106

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: LCS

Lab ID#: 0707431-17B

MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

File Name:	**1072603**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 7/26/07 09:05 AM**	

Compound	**%Recovery**
1,1,2-Trichloroethane	104
Tetrachloroethene	108
2-Hexanone	103
Dibromochloromethane	107
1,2-Dibromoethane (EDB)	106
Chlorobenzene	104
Ethyl Benzene	107
m,p-Xylene	106
o-Xylene	104
Styrene	109
Bromoform	110
Cumene	102
1,1,2,2-Tetrachloroethane	102
Propylbenzene	103
4-Ethyltoluene	104
1,3,5-Trimethylbenzene	99
1,2,4-Trimethylbenzene	100
1,3-Dichlorobenzene	102
1,4-Dichlorobenzene	104
alpha-Chlorotoluene	103
1,2-Dichlorobenzene	98
1,2,4-Trichlorobenzene	86
Hexachlorobutadiene	92

Container Type: NA - Not Applicable

Surrogates	**%Recovery**	**Method Limits**
Toluene-d8	100	70-130
1,2-Dichloroethane-d4	97	70-130
4-Bromofluorobenzene	104	70-130

Air Toxics LTD.

CHAIN-OF-CUSTODY RECORD

Sample Transportation Notice
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180 BLUE RAVINE ROAD, SUITE B
FOLSOM, CA 95630-4719
(916) 985-1000 FAX (916) 985-1020

Project Manager: CHRIS GALE
Collected by: (Print and Sign) D. HAMON / S. MCCLOSKY
Company: GEOSYNTEC Email: cgale@geosyntec.com
Address: 10975 RANCHO BERNARDO RD SUITE 200 City: SAN DIEGO State: CA Zip: 92127
Phone: 858-674-6559 Fax: -

Project Info:
P.O. #
Project # SC0233
Project Name: Poway

Turn Around Time:
☒ Normal
☐ Rush
specify

Lab Use Only
Pressurized by: VFR
Date: 7/25/07
Pressurization Gas: (N) He

Lab I.D.	Field Sample I.D. (Location)	Can #	Date of Collection	Time of Collection	Analyses Requested	Canister Pressure/Vacuum Initial	Final	Receipt	Final (psi)
01A	VW-3A	35629	7/24/07	8:53	TO15	-29.5	-2	5.0"Hg	1.5 psi
02A	VW-3C	11446		8:53		-29.5	-2	4.5"Hg	
03A	VW-8A	2120		10:38		-29	-0.5	4.0"Hg	
04A	VW-8B	34573		10:02		-29.5	-2	4.5"Hg	
05A	VW-11	35667		13:31		-29.5	-3.5	6.0"Hg	
06A	VW-13	30818		14:46		-29.5	-3.5	6.0"Hg	
07A	VW-5A	35604		0905		-30.0	-2.0	2.0"Hg	
08A	VW-7A	2079		1032		-29.5	-3.5	4.0"Hg	
09A	VW-10	1463		1213		-30.0	-4.0	4.5"Hg	
10A	VW-12	93109		1400		-30.0	-2.0	2.5"Hg	

Relinquished by: (signature)	Date/Time	Received by: (signature)	Date/Time
[signature] (GSC)	7/24/07 1655	[signature] ATL	7/25/07 0835
Relinquished by: (signature)	Date/Time	Received by: (signature)	Date/Time
Relinquished by: (signature)	Date/Time	Received by: (signature)	Date/Time

Notes:

Lab Use Only	Shipper Name	Air Bill #	Temp (°C)	Condition	Custody Seals Intact?	Work Order #
	Fed-Ex	7902 9900 9613	NA	good	Yes No None	0707431

Form 1233 rev.11

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AN ENVIRONMENTAL ANALYTICAL LABORATORY

CHAIN-OF-CUSTODY RECORD

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180 BLUE RAVINE ROAD, SUITE B
FOLSOM, CA 95630-4719
(916) 985-1000 FAX (916) 985-1020

Page 2 of ____

Contact Person Chris Gale
Company Geosyntec Email cgale@geosyntec.com
Address 10875 Rancho Bernardo Rd Suite 200 City ____ State CA Zip 92127
Phone 858.674.6559 Fax 858.674.6586
Collected by: (Signature) [signature]

Project Info:
P.O. # ____
Project # SC0233
Project Name Poway

Turn Around Time:
☒ Normal
☐ Rush ____ specify

Lab Use Only
Pressurized by: VFR
Date: 7/25/07
Pressurization Gas: N_2 He

Lab I.D.	Field Sample I.D. (Location)	Can#	Date	Time	Analyses Requested	Canister Pressure/Vacuum Initial	Final	Receipt	Final (psi)
11A	VW-14	9423	7/24/07	1506	TO-15	-29.5	-2.0	5.0 "Hg	15.0 psi
12A	QCFB	2067		1412		-30	-3.0	4.5 "Hg	
13A	QCTB	2171		—		—	—	28.5 "Hg	15.0 psi
14A	VW-1A	2117		1555		-30.0	-3.0	6.0 "Hg	

Relinquished by: (signature)	Date/Time	Received by: (signature)	Date/Time
[signature] (GGC)	7/27/07 1655	T. LaFleur - ATL	7/25/07 0835
Relinquished by: (signature)	Date/Time	Received by: (signature)	Date/Time
Relinquished by: (signature)	Date/Time	Received by: (signature)	Date/Time

Notes:

Lab Use Only	Shipper Name	Air Bill #	Temp (°C)	Condition	Customer Seals Intact?	Work Order #
	Fed Ex	7902 9900 9613	NA	Good	Yes No None	0707431

Form 1293 rev.10