ALLTERRA

March 7, 2007

Mr. Jerry Wickham
Alameda County Environmental Health Services
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502

Subject: **First Quarter 2007 Groundwater Monitoring Report and Interim Remedial Progress Report for Fuel Leak Case No. RO0000324, Livermore Gas and Mini Mart, 160 Holmes Street, Livermore, California**

Dear Mr. Wickham:

On behalf of Mr. Manwel Shuwayhat, Allterra Environmental, Inc. (Allterra) has prepared the enclosed First Quarter 2007 Groundwater Monitoring Report. Should you have any questions or comments please contact Allterra at (831) 425-2608.

Sincerely,
Allterra Environmental, Inc.

Erik Allen
Staff Scientist

enclosures:

- First Quarter 2007 Groundwater Monitoring and Interim Remedial Progress Report

First Quarter 2007 Groundwater Monitoring Report and Interim Remedial Progress Report for Fuel Leak Case No. RO0000324, Livermore Gas and Mini Mart 160 Holmes Street, Livermore, California

Date:
March 7, 2007

Project No.:
015-01-002

Prepared For:
Livermore Gas and Mini mart
Attention: Manwel and Samira Shuwayhat
54 Wolfe Canyon Road
Kentfield, California 94904

Allterra Environmental, Inc.
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Santa Cruz, California 95060

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March 7, 2007
Project No.: 015-01-002

Manwel and Samira Shuwayhat
Livermore Gas and Mini Mart
54 Wolfe Canyon Road
Kentfield, California 94904

Subject: First Quarter 2007 Groundwater Monitoring Report and Interim Remedial Progress Report for Fuel Leak Case No. RO0000324, Livermore Gas and Mini Mart, 160 Holmes Street, Livermore, California

Dear Mr. and Mrs. Shuwayhat:

On your behalf, Allterra Environmental, Inc. (Allterra) has prepared this first quarter 2007 groundwater monitoring and interim remedial progress report for the property located at 160 Holmes Street in Livermore, California (Site). This report describes the field and analytical methods, provides a summary of groundwater monitoring and interim remedial results, and presents conclusions and recommendations regarding groundwater conditions at the Site.

Site Location and Description
The Site is located on the southwest corner of Holmes Street and Second Street at 160 Holmes Street in Livermore, California (Figure 1). The Site currently operates as a service station and convenience store. Pertinent site features, such as monitoring well locations, are presented in Figure 2.

Groundwater Monitoring
On January 3 and 4, 2007, Allterra performed quarterly groundwater monitoring for eleven monitoring wells (MW-1A, MW-1B, MW-2A, MW-3, MW-4A, MW-5A, MW-5B, MW-6, MW-7A, MW-7B, MW-7C) and two extraction wells (EW-1 and EW-2). A description of groundwater monitoring activities is presented below.

Groundwater Monitoring Field Activities
Depth to groundwater measurements and an evaluation of groundwater for the presence of petroleum hydrocarbons were performed in monitoring wells MW-1A through MW-7C and extraction wells EW-1 and EW-2. The surveyed elevations of each well casing (measured in feet relative to mean sea level), depths to groundwater, and calculated groundwater elevations are presented in Table 1.

For first quarter 2007, eleven monitoring wells and two extraction wells were sampled for laboratory analysis. Each well was purged and sampled in accordance with Alameda County Environmental Health Services (ACEHS) and Regional Water Quality Control Board (RWQCB) guidelines and Allterra protocols presented in Appendix A. Groundwater Sampling Field Logs are included in Appendix B. Groundwater samples were submitted under chain-of-custody documentation to McCampbell Analytical, Inc., of Pacheco, California, a state of California

certified laboratory (ELAP #1644). Copies of the chain-of-custody documentation for the samples are included in Appendix C.

Laboratory Analysis of Groundwater Samples

Groundwater samples from each of the thirteen wells were analyzed for total petroleum hydrocarbons as gasoline (TPHg) as well as diesel (TPHd) by EPA method 8015C, for benzene, toluene, ethylbenzene, xylenes (BTEX), and methyl tert-butyl ether (MTBE) by EPA Method 8021B, and for the fuel oxygenates MTBE, ethyl tert-butyl ether (ETBE), tert-amyl methyl ether (TAME), di-isopropyl ether (DIPE), tert-butyl alcohol (TBA), methanol, ethanol, 1,2-dibromoethane (EDB), and 1,2-dichloroehtane (1,2-DCA) by EPA Method 8260B. Analytical results from groundwater samples are presented in Table 2. The certified analytical report, including quality assurance and quality control (QA/QC) data, for the samples is included in Appendix C.

Groundwater Monitoring Results

On January 3, 2007, Allterra personnel measured and recorded depths to groundwater from the tops of well casings (TOC) for monitoring wells MW-1 through MW-7C and extraction wells EW-1 and EW-2. Recorded depths to groundwater ranged from 20.90 to 22.53 feet below ground surface (bgs). Groundwater elevation data are summarized in Table 1 and depicted in Figure 3 as groundwater elevation contours. For the January 2006 groundwater monitoring event, groundwater appeared to flow north-northwest at a gradient of approximately 0.007 feet per foot (ft/ft).

Analytical Results

For the January monitoring event, fuel-related compounds were detected in ten of thirteen wells sampled this quarter. Dissolved TPHg was detected in five wells at concentrations ranging from 55 micrograms per liter (µg/L) in MW-2A to 27,000 µg/L in MW-1A. TPHd was detected in six wells at concentrations ranging from 60 µg/L to 2,300 µg/L in wells MW-2A and MW-1A, respectively. Benzene was detected in five wells at concentrations ranging from 0.57 µg/L to 1,300 µg/L in wells MW-2A and MW-1A, respectively. Well samples indicated the presence of MTBE in eight wells at levels ranging from 0.79 µg/L in well MW-4A to 120,000 µg/L in well MW-1A. TBA was detected in five of thirteen wells at concentrations ranging from 24 µg/L to 11,000 µg/L in wells MW-7C and MW-7B, respectively. Methanol was not detected at or above laboratory detection limits in any wells sampled this quarter. Groundwater analytical results from well samples are presented in Table 2. The distribution of TPHg, TPHd, benzene, and MTBE in groundwater is presented in Figure 4.

Purge water

Purge water generated during purging of the groundwater monitoring wells was stored on-site in Department of Transportation (DOT) approved 55-gallon drums pending disposal.

Interim Groundwater Remediation

Groundwater Extraction Activities

During this period of remediation, Allterra extracted approximately 16,652 gallons of impacted groundwater from extraction well EW-1. The first phase of extraction (Batch 4) was completed between December 13 and 14, 2006 and consisted of extracting approximately 5,721 gallons of groundwater from on-site well EW-1. A second phase of extraction (Batch 5) occurred on January 16, 2007 and consisted of extracting approximately 5,506 gallons of groundwater from extraction well EW-1. The third phase of extraction totaled 5,425 gallons and was completed on February 6 and 7, 2007. Extracted groundwater was processed through a sediment filter, two 200-pound carbon vessels, and a flow meter prior to being stored in a 6,800-gallon holding tank. Field data sheets from extraction activities are included in Appendix B.

Sample Collection and Analyses

On December 14, 2006, January 16, 2007, and February 7, 2007, influent flow samples (IN-1) were collected during batch extraction activities. The samples were labeled, stored in a chilled ice chest, and submitted under chain of custody protocol to McCampbell Analytical, Inc., of Pacheco, California, a state of California certified laboratory (ELAP #1644). Samples were tested for TPHg by EPA Method 8015C, BTEX and MTBE by EPA Method 8021B. Additionally, the sample from February 7, 2007 was tested for Total Toxic Organics (TTOs) and MTBE by EPA Method 624.

Water samples were collected from the on-site holding tank on December 14, 2006, on January 16, 2007, and on February 7, 2007 for treatment verification and wastewater discharge permit purposes. The samples were labeled, stored in a chilled ice chest, and submitted under chain of custody protocol to Entech Analytical Labs, Inc. The samples were tested for TTOs by EPA Method 624 (as required by the City of Livermore for wastewater discharge).

Wastewater Discharge Activities

During this period, approximately 16,482 gallons of groundwater were discharged to the sanitary sewer under City of Livermore Wastewater Discharge Permit. Field data sheets from discharge activities are included in Appendix B.

Interim Cleanup Results

Sample Analytical Data

Analytical results from the three influent samples (IN-1) indicated elevated concentrations of petroleum hydrocarbons. TPHg was detected at levels as high as 4,800 µg/L (12/14/2006), benzene was detected as high as 270 µg/L (12/14/2006), and MTBE was detected at levels as high as 17,000 µg/L (12/14/2006). Analytical results for tank samples (Tank-1) indicated that analytes were not detected at or above laboratory detection limits, with the exception of MTBE concentrations of 20 µg/L and 370 µg/L (samples from 12/14/2006 and 2/7/2007, respectively), and a TBA concentration of 570 µg/L in the Tank-1 sample taken on December 14, 2006. Sample data for the influent sample is presented in Table 3 and holding tank data is presented in Table 4. Certified analytical reports for the samples are presented in Appendix C.

Groundwater Extraction Volumes and Contaminant Mass Removal Estimates
Between December 14, 2006 and February 7, 2007, approximately 16,652 gallons of groundwater were extracted from well EW-1 at an estimated flow rate of 11.6 gallons per minute (gpm). Using groundwater extraction volumes and influent sample data, approximately 0.49 pounds of TPHg, 0.033 pounds of benzene, and 2.21 pounds of MTBE were removed from well EW-1 during this period.

Conclusions
Based on the current groundwater monitoring and interim cleanup data, Allterra concludes the following:

- During this monitoring event, the groundwater flow direction was north-northwest with a gradient of 0.007 ft/ft and appears to be consistent with previous quarters.

- The highest concentrations of dissolved TPHg, benzene, and MTBE continue to be detected in on-site monitoring well MW-1A. Additionally, the highest levels of dissolved TBA continue to be found in well MW-7B (11,000 µg/L).

- While A-Zone well MW-1A had the highest levels of TPHg, benzene, and MTBE, petroleum hydrocarbons were not detected in B-Zone well MW-1B (screen interval from 50 to 65 feet bgs).

- Shallow groundwater beneath the Site is heavily impacted with petroleum hydrocarbons and MTBE. In general, contaminant levels decrease with depth, with one exception, dissolved TBA. The highest levels of dissolved TBA occur in B-Zone well MW-7B, which has a screen interval from 45 to 50 feet bgs.

- Approximately 16,652 gallons of groundwater were extracted between December 14, 2006, and February 7, 2007, resulting in the removal of an estimated 0.49 pounds of TPHg, 0.033 pounds of benzene, and 2.21 pounds of MTBE. During this period, three extraction batches were completed, bringing the total to six batches.

- Concentrations of all contaminants in the influent stream were notably higher this remedial period than previous extraction batches. This is most likely due to contaminated groundwater in the surrounding vicinity being drawn toward EW-1 by the repeated groundwater extraction batches.

Recommendations
Based on the conclusions presented above, Allterra recommends the following:

- Continue with the quarterly groundwater monitoring program at the Site.

- Continue with interim groundwater cleanup activities from extraction well EW-1 until the approved remediation system is completed.

Limitations

Allterra prepared this report for the use of Livermore Gas and Mini Mart and ACEHS in evaluating groundwater quality at selected on-site locations at the time of this study. Statements, conclusions, and recommendations in this report are based solely on the field observations and analytical results related to work performed by Allterra and there is no warranty, expressed or implied. Site conditions and data can change over time; therefore, data presented in this report is only applicable to the timeframe of this study. Allterra's services have been performed in accordance with environmental principles generally accepted at this time and location

Should you have any questions, please contact Allterra at (831) 425-2608.

Sincerely,
Allterra Environmental, Inc.

Erik Allen
Environmental Scientist

Michael Killoran, P.G. 6670
Senior Geologist

PROFESSIONAL GEOLOGIST
MICHAEL J. KILLORAN
No. 6670
STATE OF CALIFORNIA

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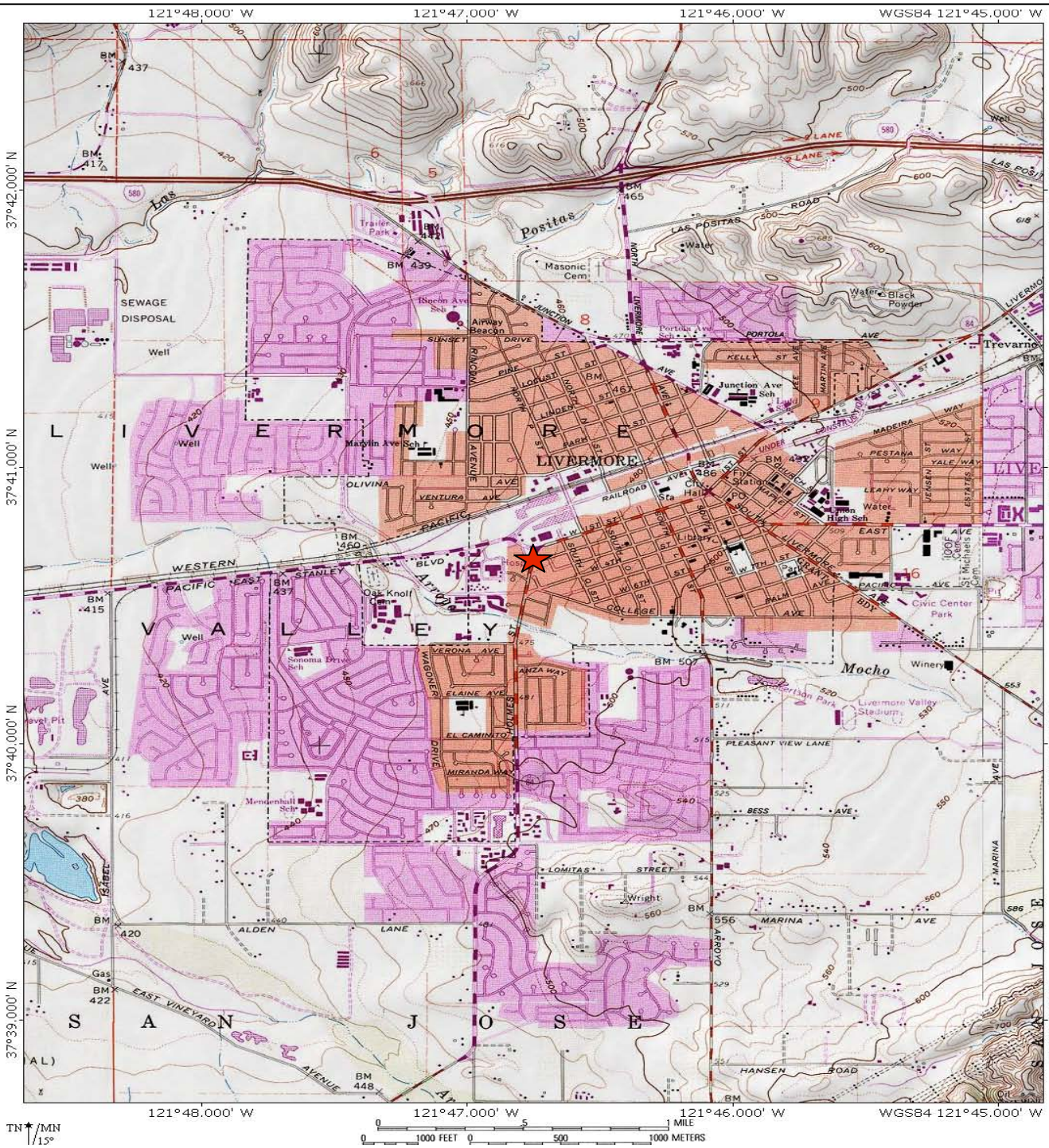
cc: Jerry Wickham, ACEHS

FIGURES 1-4



Vicinity Map

Livermore Gas and Mini-mart
160 Holmes Street
Livermore, California

Figure 1

3/31/06

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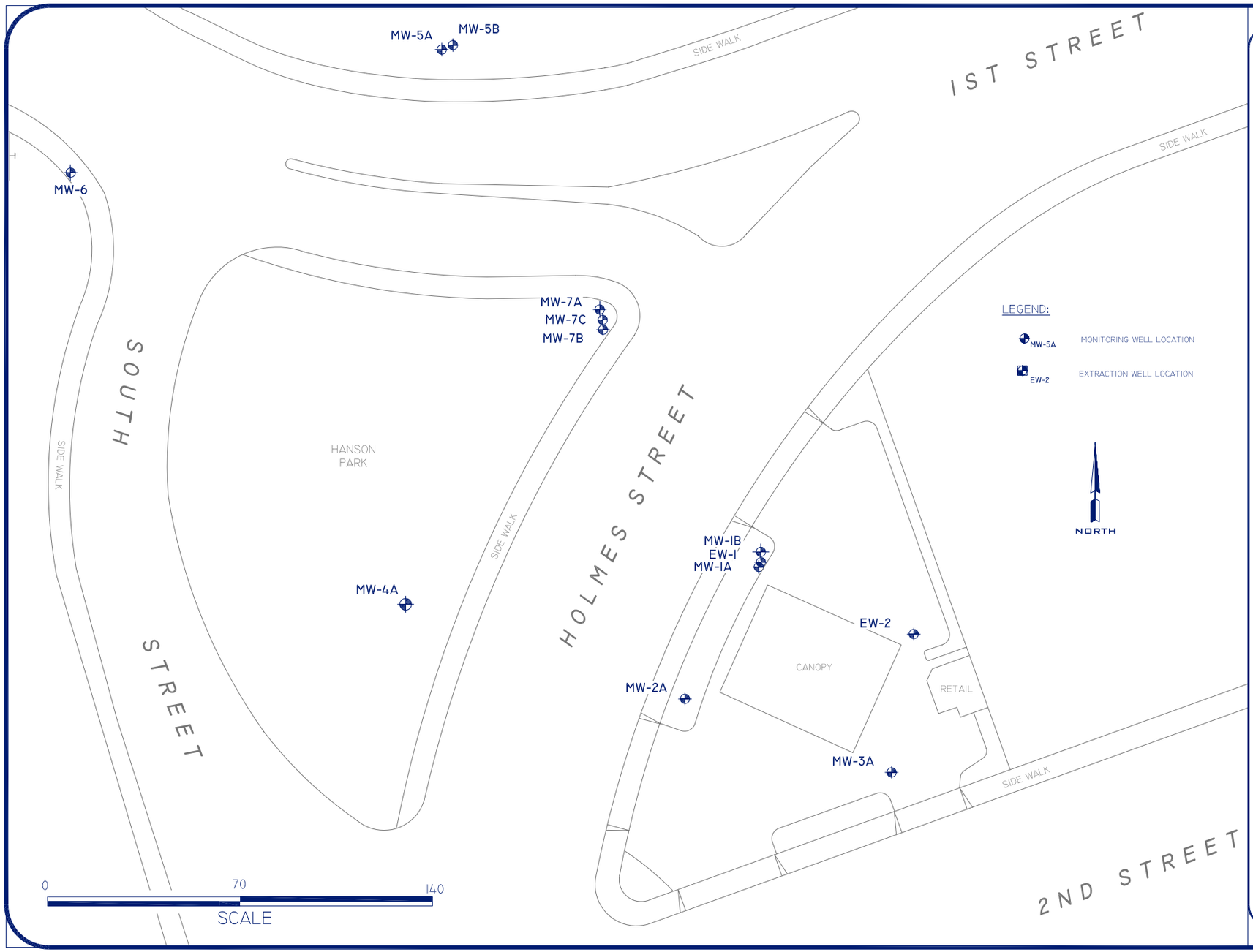

FNAME

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USER

General Notes

STAMP

160 HOLMES STREET
SOIL AND GROUNDWATER INVESTIGATION AND REMEDIATION PROJECT

PREPARED BY:

ALLTERRA

No.	Revision/Issue	Date
0	DRAFT/REVIEW	2/22

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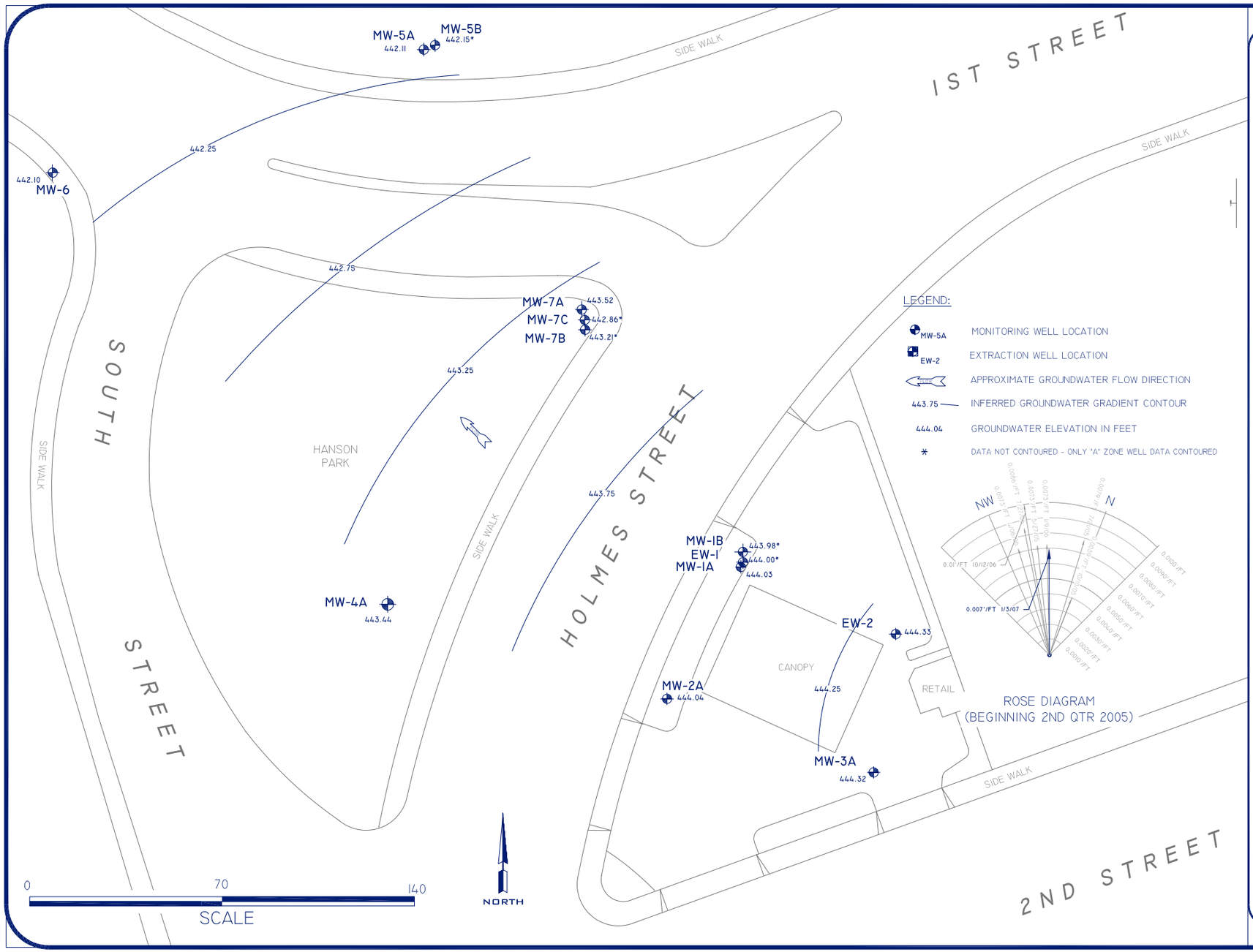
Sheet Name and Address

SITE PLAN

160 HOLMES STREET
LIVERMORE, CALIFORNIA

Project	Sheet
015-01-002	FIGURE 2
Date: 2-22-07	
Scale: SEE DRAWING	



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GROUNDWATER POTENTIOMETRIC MAP FOR 1/3/07

160 HOLMES STREET
LIVERMORE, CALIFORNIA

Project	Sheet
015-01-002	FIGURE 3
Date: 2-22-07	
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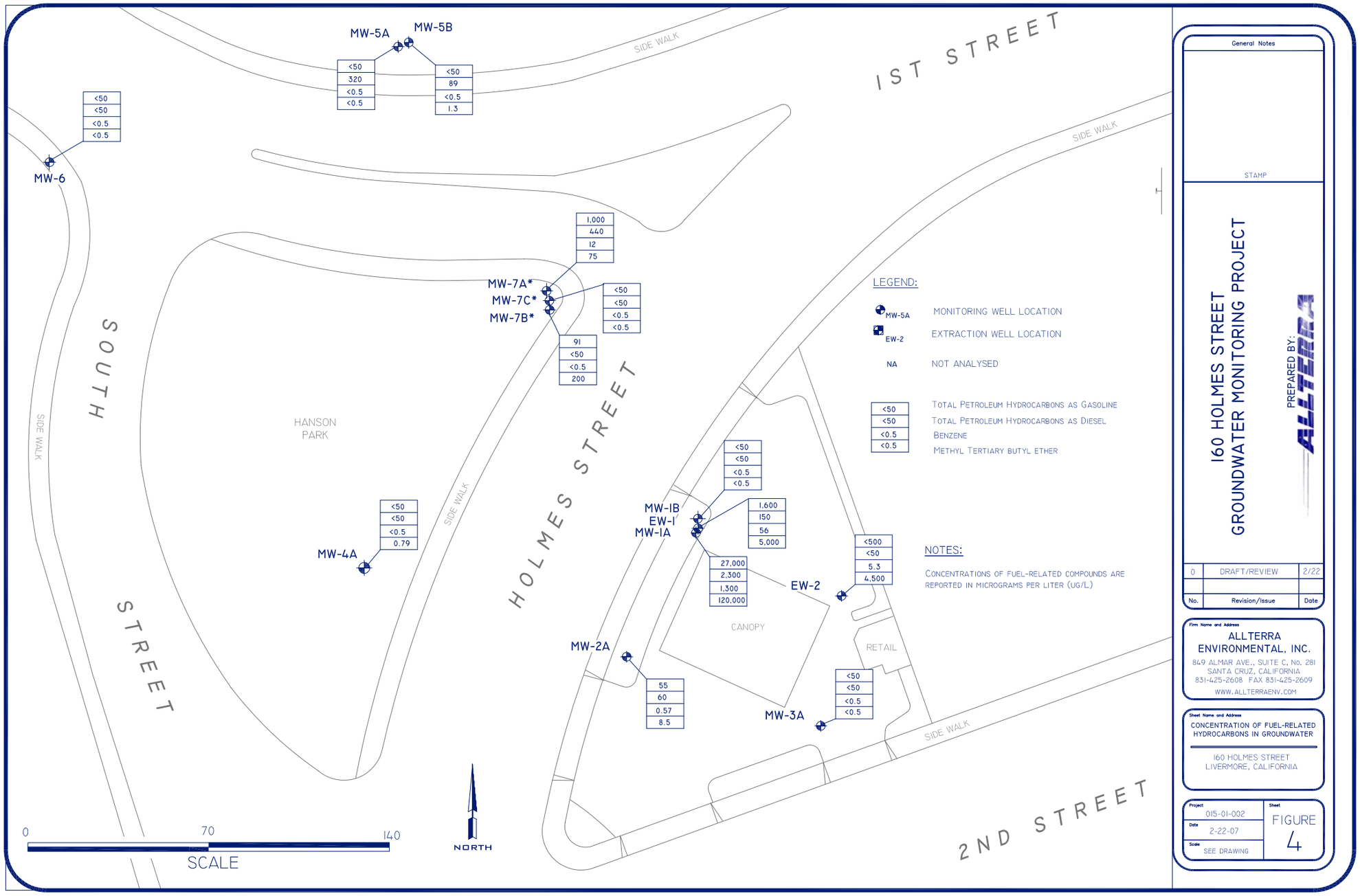

General Notes

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No.	Revision/Issue	Date
0	DRAFT/REVIEW	2/22

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Sheet Name and Address
CONCENTRATION OF FUEL-RELATED HYDROCARBONS IN GROUNDWATER

160 HOLMES STREET
LIVERMORE, CALIFORNIA

Project	Sheet
015-01-002	FIGURE 4
Date: 2-22-07	
Scale: SEE DRAWING	

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TABLES 1-5

Table 1
Groundwater Elevation Data
160 Holmes Street, Livermore

Monitoring Well ID	Date	Top of Casing Elevation* (feet, msl)	Screen Interval (feet bgs)	Depth to Groundwater (feet)	Groundwater Elevation (feet, msl)
MW-1*	8/11/00	465.03	15-30	NM	NC
	10/19/00	465.03		21.94	443.09
	2/22/01	465.03		22.91	442.12
	5/30/01	465.03		Dry	NC
	11/14/01	465.03		Dry	NC
	5/7/02	465.03		Dry	NC
	9/11/02	465.03		26.16	438.87
	12/1/02	465.03		27.55	437.48
	3/14/03	465.03		22.63	442.40
	6/25/03	465.03		22.10	442.93
	9/16/03	465.03		24.91	440.12
	12/22/03	465.03		21.75	443.28
	3/10/04	465.03		17.45	447.58
	6/15/04	465.03		22.38	442.65
	9/17/04	465.03		25.61	439.42
	12/10/04	465.03		22.18	442.85
	3/2/05	465.03		16.95	448.08
	5/27/05	465.03		18.42	446.61
	7/21/05	465.03		21.38	443.65
	10/10/05	465.03		22.49	442.54
	1/9/06	465.03		18.05	446.98
MW-1A*	4/6/06	465.03	15-30	15.60	449.43
	7/27/06	465.03		22.42	442.61
	10/12/06	465.03		23.46	441.57
	1/3/07	**465.03**		**21.00**	**444.03**
MW-1B**	4/6/06	465.02	50-55	15.59	449.43
	7/27/06	465.02		22.47	442.55
	10/12/06	465.02		23.51	441.51
	1/3/07	**465.02**		**21.04**	**443.98**
MW-2	8/11/00	464.94	15-30	NM	NC
	10/19/00	464.94		21.80	443.14
	2/22/01	464.94		22.87	442.07
	5/30/01	464.94		Dry	NC
	11/14/01	464.94		Dry	NC
	5/7/02	464.94		26.70	438.24
	9/11/02	464.94		25.96	438.98
	12/11/02	464.94		27.56	437.38
	3/14/03	464.94		22.41	442.53
	6/25/03	464.94		21.97	442.97
	9/16/03	464.94		24.70	440.24
	12/22/03	464.94		21.58	443.36
	3/10/04	464.94		17.31	447.63
	6/15/04	464.94		22.18	442.76
	9/17/04	464.94		25.44	439.50
	12/10/04	464.94		22.00	442.94
	3/2/05	464.94		16.75	448.19
	5/27/05	464.94		18.29	446.65
	7/21/05	464.94		20.46	444.48
	10/10/05	464.94		22.30	442.64
	1/9/06	464.94		17.67	447.27

Table 1
Groundwater Elevation Data
160 Holmes Street, Livermore

Monitoring Well ID	Date	Top of Casing Elevation* (feet, msl)	Screen Interval (feet bgs)	Depth to Groundwater (feet)	Groundwater Elevation (feet, msl)
MW-2A	4/6/06	464.94	15-30	15.47	449.47
	7/27/06	464.94		22.27	442.67
	10/12/06	464.94		23.35	441.59
	1/3/07	**464.94**		**20.90**	**444.04**
MW-3	8/11/00	465.84	15-30	NM	NC
	10/19/00	465.84		22.45	443.39
	2/22/01	465.84		23.51	442.33
	5/30/01	465.84		Dry	NC
	11/14/01	465.84		Dry	NC
	5/7/02	465.84		Dry	NC
	9/11/02	465.84		26.61	439.23
	12/11/02	465.84		28.18	437.66
	3/14/03	465.84		23.04	442.80
	6/25/03	465.84		22.59	443.25
	9/16/03	465.84		25.33	440.51
	12/22/03	465.84		22.37	443.47
	3/10/04	465.84		17.88	447.96
	6/15/04	465.84		22.82	443.02
	9/17/04	465.84		26.09	439.75
	12/10/04	465.84		22.65	443.19
	3/5/05	465.84		17.33	448.51
	5/27/05	465.84		18.89	446.95
	7/21/05	465.84		21.10	444.74
	10/10/05	465.84		22.94	442.90
	1/9/06	465.84		18.24	447.60
MW-3A	4/6/06	465.84	15-30	16.02	449.82
	7/27/06	465.84		22.90	442.94
	10/12/06	465.84		23.99	441.85
	1/3/07	**465.84**		**21.52**	**444.32**
MW-4***	11/14/01	465.15	15-30	33.84	431.31
	5/7/02	465.15		26.75	438.40
	9/11/02	465.15		26.66	438.49
	12/11/02	465.15		28.39	436.76
	3/14/03	465.15		23.14	442.01
	6/25/03	465.15		22.72	442.43
	9/16/03	465.15		25.39	439.76
	12/22/03	465.15		22.42	442.73
	3/4/04	465.15		18.20	446.95
	6/15/04	465.15		22.95	442.20
	9/17/04	465.15		26.12	439.03
	12/10/04	465.15		22.73	442.42
	3/2/05	465.15		17.60	447.55
	5/27/05	465.15		19.14	446.01
	7/21/05	465.15		21.25	443.90
	10/10/05	465.15		22.85	442.30
	1/9/06	465.15		18.54	446.61
MW-4A**	4/6/06	464.96	15-30	16.19	448.77
	7/27/06	464.96		22.87	442.09
	10/12/06	464.96		23.90	441.06
	1/3/07	**464.96**		**21.52**	**443.44**

Table 1
Groundwater Elevation Data
160 Holmes Street, Livermore

Monitoring Well ID	Date	Top of Casing Elevation* (feet, msl)	Screen Interval (feet bgs)	Depth to Groundwater (feet)	Groundwater Elevation (feet, msl)
MW-5***	11/14/01	464.65	20-50	34.94	429.71
	5/7/02	464.65		27.90	436.75
	9/11/02	464.65		27.99	436.66
	12/11/02	464.65		29.50	435.15
	3/14/03	464.65		24.26	440.39
	6/25/03	464.65		24.01	440.64
	9/16/03	464.65		26.83	437.82
	12/22/03	464.65		23.68	440.97
	3/10/04	464.65		19.22	445.43
	6/15/04	464.65		24.20	440.45
	9/17/04	464.65		27.68	436.97
	12/10/04	464.65		23.93	440.72
	3/2/05	464.65		18.56	446.09
	5/27/05	464.65		20.15	444.50
	7/21/05	464.65		22.55	442.10
	10/10/05	464.65		23.35	441.30
	1/9/06	464.65		19.53	445.12
MW-5A**	4/6/06	464.64	20-35	17.35	447.29
	7/27/06	464.64		24.40	440.24
	10/12/06	464.64		25.58	439.06
	1/3/07	**464.64**		**22.53**	**442.11**
MW-5B**	4/6/06	464.59	50-55	17.44	447.15
	7/27/06	464.59		24.09	440.50
	10/12/06	464.59		25.17	439.42
	1/3/07	**464.59**		**22.44**	**442.15**
MW-6	11/14/01	464.13	20-50	33.88	430.25
	5/7/02	464.13		27.01	437.12
	9/11/02	464.13		27.03	437.10
	12/11/02	464.13		28.77	435.36
	3/14/03	464.13		23.46	440.67
	6/25/03	464.13		23.08	441.05
	9/16/03	464.13		25.77	438.36
	12/22/03	464.13		22.59	441.54
	3/10/04	464.13		18.65	445.48
	6/15/04	464.13		23.31	440.82
	9/17/04	464.13		26.56	437.57
	12/10/04	464.13		23.09	441.04
	3/2/05	464.13		18.04	446.09
	5/27/05	464.13		19.57	444.56
	7/21/05	464.13		21.60	442.53
	10/10/05	464.13		22.21	441.92
	1/9/06	464.13		18.99	445.14
	4/6/06	464.13		17.00	447.13
	7/27/06	464.13		23.45	440.68
	10/12/06	464.13		24.36	439.77
	1/3/07	**464.13**		**22.03**	**442.10**

Table 1
Groundwater Elevation Data
160 Holmes Street, Livermore

Monitoring Well ID	Date	Top of Casing Elevation* (feet, msl)	Screen Interval (feet bgs)	Depth to Groundwater (feet)	Groundwater Elevation (feet, msl)
MW-7A**	4/6/06	465.32	15-30	16.61	448.71
	7/27/06	465.32		23.40	441.92
	10/12/06	465.32		24.50	440.82
	1/3/07	**465.32**		**21.80**	**443.52**
MW-7B**	4/6/06	465.39	45-50	16.85	448.54
	7/27/06	465.39		23.72	441.67
	10/12/06	465.39		24.74	440.65
	1/3/07	**465.39**		**22.18**	**443.21**
MW-7C**	4/6/06	465.39	65-70	17.18	448.21
	7/27/06	465.39		24.15	441.24
	10/12/06	465.39		24.74	440.65
	1/3/07	**465.39**		**22.53**	**442.86**
EW-1**	4/6/06	465.45	15-40	15.99	449.46
	7/27/06	465.45		23.85	441.60
	10/12/06	465.45		23.51	441.94
	1/3/07	**465.45**		**21.45**	**444.00**
EW-2**	4/6/06	465.99	15-40	16.20	449.79
	7/27/06	465.99		23.10	442.89
	10/12/06	465.99		21.48	444.51
	1/3/07	**465.99**		**21.66**	**444.33**
EX-1***	11/14/01	465.30	30-55	33.41	431.89
	5/7/02	465.30		27.58	437.72
	9/11/02	465.30		NM	NC
	12/11/02	465.30		27.98	437.32
	3/14/03	465.30		23.02	442.28
	6/25/03	465.30		22.41	442.89
	9/16/03	465.30		24.65	440.65
	3/10/04	465.30		17.99	447.31
	6/15/04	465.30		22.48	442.82
	9/17/04	465.30		25.91	439.39
	12/10/04	465.30		NM	NC
	3/2/05	465.30		NM	NC
	5/27/05	465.30		18.68	446.62
	7/21/05	465.30		21.55	443.75
	10/10/05	465.30		22.73	442.57
	1/9/06	465.30		18.05	447.25

MSL: Mean sea level
bgs: Below ground surface
NC: elevation not calculated
NA: well not accessible
NM: well not measured
* = Well MW-1 renamed MW-1A
** = Well installed on 2/22/06-2/28/06
*** = Well destroyed on 2/22/06-2/28/06

Table 2
Groundwater Analytical Results
160 Holmes Street, Livermore, California

Well ID	Date Collected	Groundwater Elevation (feet above MSL)	Total Petroleum Hydrocarbonss (µg/L)		Aromatic Volatile Organic Compounds (µg/L)					Oxygenated Volatile Organics (µg/L)							Lead Scavengers (µg/L)	
			Gasoline	Diesel	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE (8021B)	TAME	TBA	DIPE	ETBE	MTBE	ethanol	methanol	EDB	1,2-DCA
MW-1A*	8/11/00	NC	170,000	57,000	6,400	7,600	4,200	9,700	320,000	NA	NA	NA	NA	NA	NA	NA	NA	NA
	10/19/00	443.09	170,000	17,000	8,400	3,200	2,700	10,000	200,000	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2/22/01	442.12	82,000	11,000	5,100	1,000	13,000	8,700	190,000	NA	NA	NA	NA	NA	NA	NA	NA	NA
	5/30/01	NC	not sampled - well dry							NA	NA	NA	NA	NA	NA	NA	NA	NA
	11/14/01	NC	not sampled - well dry							NA	NA	NA	NA	NA	NA	NA	NA	NA
	5/7/02	NC	not sampled - well dry							NA	NA	NA	NA	NA	NA	NA	NA	NA
	9/11/02	438.87	130,000	NA	7,700	1,100	4,500	1,500	<5000	NA	NA	NA	NA	NA	NA	NA	NA	NA
	12/1/02	437.48	NS	NS	NS	NS	NS	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA
	3/14/03	442.40	180,000	3,800	7,100	3,200	4,300	6,000	220,000	NA	NA	NA	NA	NA	NA	NA	NA	NA
	6/25/03	442.93	71,000	3,100	7,500	4,700	4,800	8,900	210,000	NA	NA	NA	NA	NA	NA	NA	NA	NA
	9/16/03	440.12	37,000	3,600	4,600	220	3,600	930	150,000	NA	NA	NA	NA	NA	NA	NA	NA	NA
	12/22/03	443.28	44,000	4,000	6,800	1,500	4,000	3,800	180,000	NA	NA	NA	NA	NA	NA	NA	NA	NA
	3/10/04	447.58	72,000	3,100	6,000	11,000	3,900	10,000	260,000	NA	NA	NA	NA	NA	NA	NA	NA	NA
	6/15/04	442.65	42,000	4,300	5,000	1,800	3,700	6,000	210,000	NA	NA	NA	NA	NA	NA	NA	NA	NA
	9/17/04	439.42	24,000	2,900	2,800	<33	2,900	500	83,000	NA	NA	NA	NA	NA	NA	NA	NA	NA
	12/10/04	442.85	31,000	2,700	4,600	190	4,400	2,800	200,000	NA	NA	NA	NA	NA	NA	NA	NA	NA
	3/2/05	448.08	58,000	2,800	4,000	2,500	4,500	7,800	230,000	NA	NA	NA	NA	NA	NA	NA	NA	NA
	5/27/05	446.61	79,000	4,600	4,300	6,200	5,100	13,000	240,000	NA	NA	NA	NA	NA	NA	NA	NA	NA
	7/21/05	443.65	80,000	NS	4,300	5,300	5,400	14,000	300,000	NA	NA	NA	NA	NA	NA	NA	NA	NA
	10/10/05	442.54	58,000	NS	4,300	240	5,600	8,300	170,000	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1/9/06	446.98	47,000	3,700	3,100	1,100	4,400	5,900	180,000	<2,500	<25,000	<2,500	<2,500	240,000	<250,000	<2,500,000	<2,500	<2,500
	4/6/06	449.43	18,000	1,900	1,200	280	2,400	2,200	110,000	<2,500	<25,000	<2,500	<2,500	87,000	<250,000	<2,500,000	<2,500	<2,500
	7/27/06	442.61	24,000	2,400	2,100	350	3,400	5,300	130,000	<5000	<50,000	<5000	<5000	160,000	NA	NA	NA	NA
	10/12/06	441.57	19,000	1,700	1,000	26	2,000	1,000	68,000	<1,200	<12,000	<1,200	<1,200	84,000	<120,000	<1,200,000	NA	NA
	1/3/07	**444.03**	**27,000**	**2,300**	**1,300**	**53**	**2,500**	**1,900**	**120,000**	**<1,700**	**<1,7000**	**<1,700**	**<1,700**	**110,000**	**<170,000**	**<1,700,000**	**<1,700**	**<1,700**
MW-1B	3/13/06	446.44	<50	<50	<0.5	<0.5	<0.5	<0.5	8.2	<0.5	<5.0	<0.5	<0.5	7.9	<50	<500	<0.5	<0.5
	4/6/06	449.43	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<5.0	<0.5	<0.5	1.0	<50	<500	<0.5	<0.5
	7/27/06	442.55	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<5.0	<0.5	<0.5	<0.5	NA	NA	NA	NA
	10/12/06	441.51	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<5.0	<0.5	<0.5	<0.5	<50	<500	NA	NA
	1/3/07	**443.98**	**<50**	**<50**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<5.0**	**<0.5**	**<5.0**	**<0.5**	**<0.5**	**<0.5**	**<50**	**<500**	**<0.5**	**<0.5**
MW- 2A*	8/11/00	NC	4,500	1,900	220	52	160	170	3,000	NA	NA	NA	NA	NA	NA	NA	NA	NA
	10/19/00	443.14	3,400	1,300	150	21	100	70	1,900	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2/22/01	442.07	7,600	880	25	<10	69	25	2,200	NA	NA	NA	NA	NA	NA	NA	NA	NA
	5/30/01	NC	not sampled - well dry							NA	NA	NA	NA	NA	NA	NA	NA	NA
	11/14/01	NC	not sampled - well dry							NA	NA	NA	NA	NA	NA	NA	NA	NA
	5/7/02	438.24	400	86	5.4	<0.5	1.9	2.3	230	NA	NA	NA	NA	NA	NA	NA	NA	NA
	9/11/02	438.98	260	NA	1.3	<0.5	0.57	0.77	200	NA	NA	NA	NA	NA	NA	NA	NA	NA
	12/1/02	437.38	250	120	7.9	1.6	13	9.9	180	NA	NA	NA	NA	NA	NA	NA	NA	NA
	3/14/03	442.53	830	110	56	<0.5	<0.5	<1.0	1,200	NA	NA	NA	NA	NA	NA	NA	NA	NA
	6/25/03	442.97	260	180	0.92	2.9	3.1	8.1	2,000	NA	NA	NA	NA	NA	NA	NA	NA	NA
	9/16/03	440.24	420	260	3.6	3.4	5.2	2.4	1,300	NA	NA	NA	NA	NA	NA	NA	NA	NA
	12/22/03	443.36	240	120	0.82	3.1	7.8	3.9	1,400	NA	NA	NA	NA	NA	NA	NA	NA	NA
	3/10/04	447.63	280	210	9.4	4.2	14	11	1,400	NA	NA	NA	NA	NA	NA	NA	NA	NA
	6/15/04	442.76	150	150	2.1	2.4	2.2	1.3	1,500	NA	NA	NA	NA	NA	NA	NA	NA	NA
	9/17/04	439.50	61	70	<0.5	1.0	<0.5	<0.5	730	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 2
Groundwater Analytical Results
160 Holmes Street, Livermore, California

Well ID	Date Collected	Groundwater Elevation (feet above MSL)	Total Petroleum Hydrocarbonss (µg/L)		Aromatic Volatile Organic Compounds (µg/L)					Oxygenated Volatile Organics (µg/L)							Lead Scavengers (µg/L)	
			Gasoline	Diesel	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE (8021B)	TAME	TBA	DIPE	ETBE	MTBE	ethanol	methanol	EDB	1,2-DCA
MW- 2A* (cont.)	12/10/04	442.94	84	110	<0.5	1.2	<0.5	1.5	1,300	NA	NA	NA	NA	NA	NA	NA	NA	NA
	3/2/05	448.19	63	91	0.55	<0.5	0.63	0.51	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA
	5/27/05	446.65	270	59	14	3.9	19	6.8	1,100	NA	NA	NA	NA	NA	NA	NA	NA	NA
	7/21/05	444.48	280	NS	8.6	2.5	17	2.5	1,500	NA	NA	NA	NA	NA	NA	NA	NA	NA
	10/10/05	442.64	<50	NS	<.5	<.5	<.5	<.5	680	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1/9/06	447.27	1,700	890	4.4	1.3	120	18	530	<10	330	<10	<10	590	<1000	<10,000	<10	<10
	4/7/06	449.47	110	160	0.61	0.80	4.1	<0.5	270	<5.0	660	<5.0	<5.0	240	<500	<5,000	<5.0	<5.0
	7/27/06	442.67	<50	120	<0.5	0.84	<0.5	<0.5	87	<5.0	870	<5.0	<5.0	110	NA	NA	NA	NA
	10/12/06	441.59	<50	70	<0.5	<0.5	<0.5	<0.5	29	<5.0	480	<5.0	<5.0	30	<500	<5000	NA	NA
	1/3/07	**444.04**	**55**	**60**	**0.57**	**<0.5**	**<0.5**	**<0.5**	**8.5**	**<2.5**	**590**	**<2.5**	**<2.5**	**7.8**	**<250**	**<2,500**	**<2.5**	**<2.5**
MW- 3A*	8/11/00	NC	59	260	<0.5	<0.5	<0.5	<0.5	<5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
	10/19/00	443.39	<50	<65	<0.5	<0.5	<0.5	<0.5	<5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2/22/01	442.33	<50	100	<0.5	<0.5	<0.5	<0.5	<5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
	5/30/01	NC	not sampled - well dry							NA	NA	NA	NA	NA	NA	NA	NA	NA
	11/14/01	NC	not sampled - well dry							NA	NA	NA	NA	NA	NA	NA	NA	NA
	5/7/02	NC	not sampled - well dry							NA	NA	NA	NA	NA	NA	NA	NA	NA
	9/11/02	439.23	<50	NA	<0.5	<0.5	<0.5	<0.5	<5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
	12/1/02	437.66		NS						NA	NA	NA	NA	NA	NA	NA	NA	NA
	3/14/03	442.80	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
	6/25/03	443.25	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
	9/16/03	440.51	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
	12/22/03	443.47	<50	69	<0.5	<0.5	<0.5	<0.5	<5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
	3/10/04	447.96	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
	6/15/04	443.02	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
	9/17/04	439.75	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
	12/10/04	443.19	<50	<50	<0.5	<0.5	<0.5	<0.5	7.6	NA	NA	NA	NA	NA	NA	NA	NA	NA
	3/2/05	448.51	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
	5/27/05	446.95	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
	7/21/05	444.74	<50	NS	<0.5	<0.5	<0.5	<0.5	<5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
	10/10/05	442.90	<50	NS	<0.5	<0.5	<0.5	<0.5	<5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1/9/06	447.60	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<5.0	<0.5	<5.0	<0.5	<50	<500	<0.5	<0.5
	4/7/06	449.82	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<5.0	<0.5	<0.5	<0.5	<50	<500	<0.5	<0.5
	7/27/06	442.94	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<5.0	<0.5	<0.5	<0.5	NA	NA	NA	NA
	10/12/06	441.85	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<5.0	<0.5	<0.5	<0.5	<50	<500	NA	NA
	1/3/07	**444.32**	**<50**	**<50**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<5.0**	**<0.5**	**<5.0**	**<0.5**	**<0.5**	**<0.5**	**<50**	**<500**	**<0.5**	**<0.5**
MW-4**	11/14/01	431.31	510	90	4.0	<0.5	<0.5	<0.5	14	NA	NA	NA	NA	NA	NA	NA	NA	NA
	5/7/02	438.40	150	<50	3.5	0.5	<0.5	<0.5	48	NA	NA	NA	NA	NA	NA	NA	NA	NA
	9/11/02	438.49	<50	NA	<0.5	<0.5	<0.5	<0.5	15	NA	NA	NA	NA	NA	NA	NA	NA	NA
	12/1/02	436.76	<50	<50	<0.5	<0.5	<0.5	<0.5	24	NA	NA	NA	NA	NA	NA	NA	NA	NA
	3/14/03	442.01	<50	<50	<0.5	<0.5	<0.5	<0.5	<1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
	6/25/03	442.43	<50	<50	<0.5	<0.5	<0.5	<0.5	<1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
	9/16/03	439.76	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
	12/22/03	442.73	<50	69	<0.5	<0.5	<0.5	<0.5	<5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
	3/10/04	446.95	<50	<50	<0.5	<0.5	<0.5	<0.5	37	NA	NA	NA	NA	NA	NA	NA	NA	NA
	6/15/04	442.20	<50	<50	<0.5	<0.5	<0.5	<0.5	7.4	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 2
Groundwater Analytical Results
160 Holmes Street, Livermore, California

Well ID	Date Collected	Groundwater Elevation (feet above MSL)	Total Petroleum Hydrocarbonss (µg/L)		Aromatic Volatile Organic Compounds (µg/L)					Oxygenated Volatile Organics (µg/L)							Lead Scavengers (µg/L)	
			Gasoline	Diesel	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE (8021B)	TAME	TBA	DIPE	ETBE	MTBE	ethanol	methanol	EDB	1,2-DCA
MW-4** (cont.)	9/17/04	439.03	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
	12/10/04	442.42	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
	3/2/05	447.55	<50	<50	<0.5	<0.5	<0.5	<0.5	14	NA	NA	NA	NA	NA	NA	NA	NA	NA
	5/27/05	446.01	<50	<50	<0.5	<0.5	<0.5	<0.5	9.6	NA	NA	NA	NA	NA	NA	NA	NA	NA
	7/21/05	443.90	<50	NS	<0.5	<0.5	<0.5	<0.5	<5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
	10/10/05	442.30	<50	NS	<0.5	<0.5	<0.5	<0.5	<5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1/9/06	446.61	<50	<50	<0.5	<0.5	<0.5	<0.5	0.86	<0.5	<5.0	<0.5	<5.0	0.86	<50	<500	<5.0	<5.0
MW-4A	3/13/06	445.87	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<5.0	<0.5	<0.5	0.70	<50	<500	<0.5	<0.5
	4/7/06	448.77	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<5.0	<0.5	<5.0	1.1	<50	<500	<0.5	<0.5
	7/28/06	442.09	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<5.0	<0.5	<0.5	3.0	NA	NA	NA	NA
	10/13/06	441.06	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<5.0	<0.5	<0.5	2.0	<50	<500	NA	NA
	1/4/07	**443.44**	**<50**	**<50**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<5.0**	**<0.5**	**<5.0**	**<0.5**	**<0.5**	**0.79**	**<50**	**<500**	**<0.5**	**<0.5**
MW-5**	11/14/01	429.71	<50	<66	<0.5	<0.5	<0.5	<0.5	8.2	NA	NA	NA	NA	NA	NA	NA	NA	NA
	5/7/02	436.75	140	<50	<0.5	<0.5	<0.5	<0.5	110	NA	NA	NA	NA	NA	NA	NA	NA	NA
	9/11/02	436.66	<50	NA	<0.5	<0.5	<0.5	<0.5	6.3	NA	NA	NA	NA	NA	NA	NA	NA	NA
	12/1/02	435.15	73	<50	<0.5	<0.5	<0.5	<0.5	160	NA	NA	NA	NA	NA	NA	NA	NA	NA
	3/14/03	440.39	110	<50	<0.5	<0.5	<0.5	<0.5	170	NA	NA	NA	NA	NA	NA	NA	NA	NA
	6/25/03	440.64	<50	<50	<0.5	<0.5	<0.5	<0.5	89	NA	NA	NA	NA	NA	NA	NA	NA	NA
	9/16/03	437.82	630	<50	<0.5	3.5	<0.5	2.6	1500	NA	NA	NA	NA	NA	NA	NA	NA	NA
	12/22/03	440.97	<0.5	<50	<0.5	<0.5	<0.5	<0.5	630	NA	NA	NA	NA	NA	NA	NA	NA	NA
	3/10/04	445.43	57	<50	<0.5	<0.5	<0.5	<0.5	1100	NA	NA	NA	NA	NA	NA	NA	NA	NA
	6/15/04	440.45	<50	<50	<0.5	<0.5	<0.5	<0.5	750	NA	NA	NA	NA	NA	NA	NA	NA	NA
	9/17/04	436.97	<50	<50	<0.5	<0.5	<0.5	<0.5	780	NA	NA	NA	NA	NA	NA	NA	NA	NA
	12/10/04	440.72	<50	<50	<0.5	<0.5	<0.5	<0.5	120	NA	NA	NA	NA	NA	NA	NA	NA	NA
	3/2/05	446.09	<50	<50	<0.5	<0.5	<0.5	<0.5	320	NA	NA	NA	NA	NA	NA	NA	NA	NA
	5/27/05	444.50	<50	<50	<0.5	<0.5	<0.5	<0.5	120	NA	NA	NA	NA	NA	NA	NA	NA	NA
	7/21/05	442.10	<50	NS	<0.5	<0.5	<0.5	<0.5	97	NA	NA	NA	NA	NA	NA	NA	NA	NA
	10/10/05	441.30	<50	NS	<0.5	<0.5	<0.5	<0.5	41	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1/9/06	445.12	<50	<50	<0.5	<0.5	<0.5	<0.5	37	<0.5	<5.0	<0.5	<5.0	<5.0	<50	<500	<0.5	<0.5
MW-5A	3/13/06	444.48	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<5.0	<0.5	<0.5	<0.5	<50	<500	<0.5	<0.5
	4/7/06	447.29	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<5.0	<0.5	<0.5	<0.5	<50	<500	<0.5	<0.5
	7/28/06	440.24	<50	62	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<5.0	<0.5	<0.5	<0.5	NA	NA	NA	NA
	10/13/06	439.06	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	6.3	<0.5	<0.5	0.61	<50	<500	NA	NA
	1/4/07	**442.11**	**<50**	**320**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<5.0**	**<0.5**	**<5.0**	**<0.5**	**<0.5**	**<0.5**	**<50**	**<500**	**<0.5**	**<0.5**
MW-5B	3/13/06	444.46	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<5.0	<0.5	<0.5	0.69	<50	<500	<0.5	<0.5
	4/7/06	447.15	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<5.0	<0.5	<0.5	0.98	<50	<500	<0.5	<0.5
	7/28/06	440.50	<50	<50	<0.5	<0.5	<0.5	<0.5	6.8	<0.5	6.3	<0.5	<0.5	0.61	NA	NA	NA	NA
	10/13/06	439.42	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<5.0	<0.5	<0.5	3.6	<50	<500	NA	NA
	1/4/07	**442.15**	**<50**	**89**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<5.0**	**<0.5**	**<5.0**	**<0.5**	**<0.5**	**1.3**	**<50**	**<500**	**<0.5**	**<0.5**
MW-6	11/14/01	430.25	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
	5/7/02	437.12	<50	<67	<0.5	<0.5	<0.5	<0.5	<5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
	9/11/02	437.10	<50	NA	<0.5	<0.5	<0.5	<0.5	<5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
	12/1/02	435.36	<50	<50	<0.5	<0.5	<0.5	<0.5	<1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
	3/14/03	440.67	<50	<50	<0.5	<0.5	<0.5	<1.0	<1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 2
Groundwater Analytical Results
160 Holmes Street, Livermore, California

Well ID	Date Collected	Groundwater Elevation (feet above MSL)	Total Petroleum Hydrocarbonss (µg/L)		Aromatic Volatile Organic Compounds (µg/L)					Oxygenated Volatile Organics (µg/L)							Lead Scavengers (µg/L)	
			Gasoline	Diesel	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE (8021B)	TAME	TBA	DIPE	ETBE	MTBE	ethanol	methanol	EDB	1,2-DCA
MW-6 (cont.)	6/25/03	441.05	<50	<50	<0.5	<0.5	<0.5	<1.0	<1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
	9/16/03	438.36	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
	12/22/03	441.54	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
	3/10/04	445.48	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
	6/15/04	440.82	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
	9/17/04	437.57	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
	12/10/04	441.04	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
	3/2/05	446.09	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
	5/27/05	444.56	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
	7/21/05	442.53	<50	NS	<0.5	<0.5	<0.5	<0.5	<5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
	10/10/05	441.92	<50	NS	<0.5	<0.5	<0.5	<0.5	<5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1/9/06	445.14	<50	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<5.0	0.86	<50	<500	<0.5	<0.5
	4/6/06	447.13	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<5.0	<0.5	<5.0	<0.5	<50	<500	<0.5	<0.5
	7/28/06	440.68	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<5.0	<0.5	<0.5	<0.5	NA	NA	NA	NA
	10/13/06	439.77	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<5.0	<0.5	<0.5	<0.5	<50	<500	NA	NA
	1/4/07	**442.10**	**<50**	**<50**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<5.0**	**<0.5**	**<5.0**	**<0.5**	**<0.5**	**<0.5**	**<50**	**<500**	**<0.5**	**<0.5**
MW-7A	3/13/06	445.85	6,200	1,800	140	21	200	560	6,900	<100	4400	<100	<100	6,300	<10,000	<100,000	<100	<100
	4/7/06	448.71	5,300	1,700	130	26	330	420	5,900	<100	7,500	<100	<100	6,600	<10,000	<100,000	<100	<100
	7/28/06	441.92	2,200	470	28	18	60	0.85	240	<25	4,700	<25	<25	240	NA	NA	NA	NA
	10/12/06	440.82	6,500	2,400	83	38	300	160	980	<17	4,700	<10	<17	1200	<1700	<17,000	NA	NA
***	11/21/06	NM	1,400	NA	25	17	65	<0.5	45	<10	1,400	<10	<10	42	<1,000	<10,000	<10	<10
	1/4/07	**443.52**	**1,000**	**440**	**12**	**18**	**48**	**8.3**	**75**	**<5.0**	**1,100**	**<5.0**	**<5.0**	**73**	**<500**	**<5000**	**<5.0**	**<5.0**
MW-7B	3/13/06	445.64	230	<50	1.8	4.7	<0.5	2.2	1,500	<50	7300	<50	<50	1,300	<5,000	<50,000	<50	<50
	4/7/06	448.54	81	<50	1.9	1.6	1.1	0.58	1,000	<50	9,200	<50	<50	930	<5,000	<50,000	<50	<50
	7/28/06	441.67	150	<50	<0.5	1.9	<0.5	<0.5	1,500	<50	16,000	<50	<50	1,900	NA	NA	NA	NA
	10/12/06	440.65	110	<50	<0.5	1.3	<0.5	<0.5	900	<17	15,000	<17	<17	860	<1700	<17,000	NA	NA
***	11/21/06	NM	61	NA	<0.5	0.76	<0.5	<0.5	740	<50	10,000	<50	<50	680	<5,000	<50,000	<50	<50
	1/4/07	**443.21**	**91**	**<50**	**<0.5**	**2.1**	**<0.5**	**<0.5**	**200**	**<50**	**11,000**	**<50**	**<50**	**180**	**<5000**	**<50,000**	**<50**	**<50**
MW-7C	3/13/06	445.34	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<5.0	<0.5	<0.5	0.60	<50	<500	<0.5	<0.5
	4/7/06	448.21	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<5.0	<0.5	<0.5	<0.5	<50	<500	<0.5	<0.5
	7/28/06	441.24	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<5.0	<0.5	<0.5	<0.5	NA	NA	NA	NA
	10/13/06	440.65	89	<50	<0.5	1.4	<0.5	<0.5	900	<17	12,000	<17	<17	820	<1700	<17,000	NA	NA
***	11/21/06	NM	<50	NA	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	24	<0.5	<0.5	<0.5	<50	<500	<0.5	<0.5
	1/4/07	**442.86**	**<50**	**<50**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<5.0**	**<0.5**	**24**	**<0.5**	**<0.5**	**<0.5**	**<50**	**<500**	**<0.5**	**<0.5**
EX-1**	11/14/01	431.89	13,000	2,000	180	1,000	330	3,200	2,200	NA	NA	NA	NA	NA	NA	NA	NA	NA
	5/7/02	437.72	7,700	560	320	<25	66	150	6,200	NA	NA	NA	NA	NA	NA	NA	NA	NA
	9/11/02	NC	2,800	NA	32	<13	14	<13	2,500	NA	NA	NA	NA	NA	NA	NA	NA	NA
	12/1/02	437.32	3,000	100	81	<0.5	44	<1.0	4,800	NA	NA	NA	NA	NA	NA	NA	NA	NA
	3/14/03	442.28	750	50	<0.5	<0.5	7.7	13	1,200	NA	NA	NA	NA	NA	NA	NA	NA	NA
	6/25/03	442.89	120	<50	3.2	3.7	4.2	7.6	260	NA	NA	NA	NA	NA	NA	NA	NA	NA
	9/16/03	440.65	170	<50	0.5	1.5	<0.5	0.9	1,600	NA	NA	NA	NA	NA	NA	NA	NA	NA
	3/10/04	447.31	NS	NS	NS	NS	NS	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA
	6/15/04	442.82	NS	NS	NS	NS	NS	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA
	9/17/04	439.39	NS	NS	NS	NS	NS	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA
	12/10/04	NC	NS	NS	NS	NS	NS	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA
	3/2/05	NC	NS	NS	NS	NS	NS	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA
	5/27/05	446.62	NS	NS	NS	NS	NS	NS	NS	NA	NA	NA	NA	NA	NA	NA	NA	NA
	7/21/05	443.75	<50	NS	<0.5	<0.5	<0.5	<0.5	610	NA	NA	NA	NA	NA	NA	NA	NA	NA
	10/10/05	442.57	<50	NS	<0.5	<0.5	<0.5	<0.5	31	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1/9/06	447.25	580	55	40	25	45	43	4,200	<170	<1,700	<170	<170	5,200	<170,000	<17,000	<170	<170

Table 2
Groundwater Analytical Results
160 Holmes Street, Livermore, California

Well ID	Date Collected	Groundwater Elevation (feet above MSL)	Total Petroleum Hydrocarbonss (µg/L)		Aromatic Volatile Organic Compounds (µg/L)					Oxygenated Volatile Organics (µg/L)							Lead Scavengers (µg/L)	
			Gasoline	Diesel	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE (8021B)	TAME	TBA	DIPE	ETBE	MTBE	ethanol	methanol	EDB	1,2-DCA
EW-1	3/13/06	446.47	210	120	5.0	4.1	7.5	12	3,400	<50	<100	<50	<50	2,300	<5,000	<50,000	<50	<50
	4/7/06	449.46	1,900	190	66	170	110	380	7,900	<100	<1000	<100	<100	6,400	<10,000	<100,000	<100	<100
	7/27/06	441.60	280	100	7.4	5.5	12	28	8,400	<500	<5,000	<500	<500	12,000	NA	NA	NA	NA
	10/12/06	441.94	2,100	130	86	19	100	310	2,400	<50	1,400	<50	<50	2,800	<5,000	180,000	NA	NA
	1/4/07	**444.00**	**1,600**	**150**	**56**	**27**	**110**	**240**	**5,000**	**<50**	**2,900**	**<50**	**<50**	**4,900**	**<5,000**	**<50,000**	**<50**	**<50**
EW-2	3/13/06	446.81	<250	69	<2.5	<2.5	<2.5	<2.5	5,400	<100	<1,000	<100	<100	5,100	<10,000	<100,000	<100	<100
	4/7/06	449.79	470	160	15	2.5	24	13	2,000	<50	<500	<50	<50	1,800	<5,000	<50,000	<50	<50
	7/27/06	442.89	260	350	2.2	1.7	6.1	3.0	8,700	<500	<5,000	<500	<500	12,000	NA	NA	NA	NA
	10/12/06	444.51	110	<50	2.0	1.0	3.1	3.9	620	<12	<120	<12	<12	680	<1200	<12,000	NA	NA
	1/4/07	**444.33**	**<500**	**<50**	**5.3**	**<5.0**	**16**	**7.1**	**4,500**	**<50**	**<500**	**<50**	**<50**	**4,200**	**<5000**	**<50,000**	**<50**	**<50**

Notes:

Samples analyzed for TPHg and TPHd by EPA Method 8015Cm, BTEX by EPA Method 8021B, MTBE by EPA Method 8021B and/or 8260B, and the fuel oxygenates DIPE, ETBE, TAME, EDB, 1,2-DCA, ethanol, methanol, and TBA by EPA Method 8260B.

µg/L = micrograms per liter
NA = Not Analyzed
EDB = 1,2-Dibromoether
NS = Not Sampled
1,2-DCA = 1,2-Dichloroethane
MTBE = methyl tertiary butyl ether
DIPE =Di-isoprpopyl Ether
ETBE = Ethyl tert-Butyl Ether
TAME - tert-Amyl Methyl Ether
TBA = tert-Butanol

* = Well MW-1 renamed MW-1A, well MW-2 renamed MW-2A, Well MW-3 renamed MW-3A in February 2006
** = Well destroyed in February 2006
*** = Anomalous data observed in MW-7C from October 12, 2006 sample. Therfore, wells MW-7A, MW-7B, and MW-7C were resampled on November 21, 2006.

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Table 3
Influent Groundwater Analytical Results
Livermore Gas & Mini Mart, 160 Holmes Street, Livermore, California

Sample ID	Sample Date	TPHg (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)
In-1	9/8/06	1,600	110	12	120	93	11,000
In-1	9/29/06	1,800	120	11	140	95	13,000
In-2	11/21/06	1,100	55	47	76	140	2,600
In-1	12/14/06	4,800	270	120	340	610	17,000
In-1	1/16/07	3,000	230	93	300	480	16,000
In-1	2/7/07	2,900	240	82	330	550	15,000

Notes and Definitions:
Samples analyzed for TPHg, benzene, toluene, ethylbenzene, xylenes, and MTBE by EPA Method 8015Cm/8021B
µg/L = micrograms per liter
TPHg = Total Petroleum Hydrocarbons as gasoline
MTBE = Methyl tertiary butyl ether
In-1 = Influent water stream sample collected from extraction well EW-1
In-2 = Influent water stream sample collected from extraction well EW-2

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Table 4
EPA Method 624 Analytical Results for Discharge
Livermore Gas & Mini Mart, 160 Holmes Street, Livermore, California

Sample Date	TTOs* (µg/L)			Detected TTOs (µg/L)	
				MTBE	TBA
9/11/06	ND	ND	ND	NA	NA
10/13/06	ND	ND	ND	310	NA
11/21/06	ND	ND	ND	<1.0	NA
12/14/06	ND	ND	ND	20	570
1/16/07	ND	ND	ND	<1.0	NA
2/7/07	ND	ND	ND	370	NA

Notes and Definitions:
Results are for sample Tank-1 are from a sample collected from treated groundwater stored in a holding tank.
Laboratory used EPA Extraction Method 624
µg/L = micrograms per liter
NA = not analyzed
ND = not detected at or above laboratory detection limits
MTBE = methyl tert-butyl ether
TBA = tert-Butanol
TTOs = total toxic organics
* = See certified laboratory report for a full list of TTOs tested for.

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Table 5
Contaminant Mass Removal Data
Livermore Gas & Mini Mart, 160 Holmes Street, Livermore, California

Extraction Batch Number	Date*	Extraction Well	Influent Concentration			Gallons Processed		Estimated Extraction Flow Rate (gpm)	Mass Removed (pounds)					
									Batch Amount			Cumulative Total		
			TPHg	Benzene	MTBE	Batch Amount	Cumulative Total		TPHg	Benzene	MTBE	TPHg	Benzene	MTBE
1	9/8/06	EW-1	1,600	110	11,000	5,560	5,560	10	0.074	0.0051	0.51	0.074	0.005	0.51
2	9/29/06	EW-1	1,800	120	13,000	5,575	11,135	10	0.083	0.0056	0.60	0.157	0.011	1.11
3	11/21/06	EW-2	1,100	55	2,600	5,000	16,135	14	0.046	0.0023	0.11	0.203	0.013	1.22
4	12/14/06	EW-1	4,800	270	17,000	5,721	21,856	12	0.220	0.0128	0.81	0.423	0.026	2.03
5	1/16/07	EW-1	3,000	230	16,000	5,506	27,362	12	0.137	0.0105	0.73	0.560	0.036	2.76
6	2/7/07	EW-1	2,900	240	15,000	5,425	32,787	10	0.131	0.0108	0.68	0.691	0.047	3.44

Definitions and Notes:
All concentrations listed in micrograms per liter (µg/L)
All masses listed in pounds (lb)
* = Date provided is sample date. However, the extraction phase for each batch occurs over several days
gpm = gallons per minute

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APPENDIX A
Groundwater Monitoring Field Protocol

Appendix A

Groundwater Monitoring Protocol

Well Monitoring and Sample Collection

A Teflon bailer or submersible pump was used to purge a minimum of three well volumes of groundwater from each well. After each well volume is purged, field parameters such as pH, temperature, and conductivity are recorded. Wells are purged until field parameters have stabilized or a maximum of ten (10) well volumes of groundwater have been removed. When possible, purge rates will not exceed the recharge rate for the well. However, if the well yield is low and the well was dewatered, the well is allowed to recharge to 80% of its original volume prior to sample collection. Field parameter measurements and pertinent qualitative observations, such as groundwater color and odor, are recorded in Groundwater Sampling Field Logs. Groundwater samples are collected in appropriate bottles and stored on ice for delivery, under chain-of-custody documentation, to a state-certified laboratory for analysis.

Equipment Decontamination

All drilling, sampling, and well development equipment was cleaned in a solution of laboratory grade detergent and distilled water or steam cleaned before use at each sampling point.

Field Personnel

During groundwater sampling activities, sampling personnel will wear pertinent attire to minimize risks to health and safety. Field personnel will also use a pair of clean, powderless, surgical gloves for each successive sampling point. Used surgical gloves will be placed into waste barrels for future disposal.

Waste Disposal

Water generated during well purging and sampling activities will be placed into DOT-approved 55-gallon waste drums. Waste drums will be temporarily stored on-site pending proper disposal of wastewater to an approved transport, storage, and disposal (TSD) facility.

APPENDIX B
Groundwater Sampling Field Logs
Interim Remedial Cleanup Field Logs

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Groundwater Sampling Field Log

Site Address 160 Holmes	Date 1-3-07
Project Number	Field Personnel JR. DL

Monitoring Well Information

Monitoring Well ID MW-2A	Monitoring Well Diameter (inches) 2.0
Depth to Water (feet) 20.90	Water Column (feet) 3.1
Total Depth (feet) 25'	80% Recharge Depth (feet)
Depth to Product (feet)	1 Well Volume (gallons) .52

Comments

Field Measurements and Observations

Time	Depth to Water	Purge Volume	Conductivity	Temperature	pH	Turbidity	Color	Odor
	20.90	.52	1046 µS	18.8°C	6.95	High	brown	mild
	1	1	1034 µS	19.0°C	6.91	1	1	1
			1041 µS	19.0°C	6.96			

Total Purge Volume 1.58	Comments

Groundwater Sampling Information

Sample ID MW-2A	Sample Time
Sample Containers (Number/Type) 3 VOA 1 amber	

Comments

Groundwater Sampling Field Log

Site Address ~~MW-3A~~ 160	Date 1-3-07
Project Number Holmes	Field Personnel JR. DL

Monitoring Well Information

Monitoring Well ID MW-~~3A~~ 3A	Monitoring Well Diameter (inches) 2.0
Depth to Water (feet) 21.52	Water Column (feet) ~~3.16~~ 3.48
Total Depth (feet) 25	80% Recharge Depth (feet)
Depth to Product (feet)	1 Well Volume (gallons) .59

Comments

Field Measurements and Observations

Time	Depth to Water	Purge Volume	Conductivity	Temperature	pH	Turbidity	Color	Odor
	21.52	.59	837 µS	19.0°C	7.55	High	brown	none
	1	1	832 µS	19.0°C	7.31	1	1	1
			828 µS	19.0°C	7.20			

Total Purge Volume 1.77	Comments

Groundwater Sampling Information

Sample ID MW-3A	Sample Time
Sample Containers (Number/Type) 3 VOA. 1 AMBER	

Comments

ALLTERRA

Groundwater Sampling Field Log

Site Address 160 Holmes	Date 1-4-07
Project Number	Field Personnel JR. DL

Monitoring Well Information

Monitoring Well ID MW-4A	Monitoring Well Diameter (inches) 2.0
Depth to Water (feet) 21.52	Water Column (feet) 3.48
Total Depth (feet) 25	80% Recharge Depth (feet)
Depth to Product (feet)	1 Well Volume (gallons) .59
Comments	

Field Measurements and Observations

Time	Depth to Water	Purge Volume	Conductivity	Temperature	pH	Turbidity	Color	Odor
	21.52	.59	798 µS	17.1°C	7.19	Brown@High	none	
	1	1	820 µS	17.3°C	7.16	1	1	1
			826 µS	17.7°C	7.12			

Total Purge Volume	Comments

Groundwater Sampling Information

Sample ID MW-4A	Sample Time
Sample Containers (Number/Type) 3 Voa 1 amber	
Comments	

Groundwater Sampling Field Log

Site Address 160 Holmes	Date 1-4-07
Project Number	Field Personnel JR. DL

Monitoring Well Information

Monitoring Well ID MW-5A	Monitoring Well Diameter (inches) 2.0
Depth to Water (feet) 22.53	Water Column (feet) 2.47
Total Depth (feet) 25	80% Recharge Depth (feet)
Depth to Product (feet)	1 Well Volume (gallons) .41
Comments	

Field Measurements and Observations

Time	Depth to Water	Purge Volume	Conductivity	Temperature	pH	Turbidity	Color	Odor
	22.53	.41	716 µS	17.7°C	7.95	Low	clear	none
	1	1	723 µS	17.8°C	7.62	1	1	1
			724 µS	17.8°C	7.59			

Total Purge Volume	Comments

Groundwater Sampling Information

Sample ID MW-5A	Sample Time
Sample Containers (Number/Type) 3 VOA's 1 Amber	
Comments	

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Groundwater Sampling Field Log

Site Address 160 Holmes	Date 1-4-07
Project Number	Field Personnel D.L.

Monitoring Well Information

Monitoring Well ID MW-5B	Monitoring Well Diameter (inches) 2"
Depth to Water (feet) 22.44	Water Column (feet) 32.56
Total Depth (feet) ~~55~~ 55'	80% Recharge Depth (feet)
Depth to Product (feet)	1 Well Volume (gallons) 5.54
Comments	

Field Measurements and Observations

Time	Depth to Water	Purge Volume	Conductivity	Temperature	pH	Turbidity	Color	Odor
1	1	1	1222 µS	18.9°C	7.35	high	brown	mod.
			1262 µS	19.6°C	7.25	1	1	1
			1235 µS	19.3°C	7.24			

Total Purge Volume	Comments

Groundwater Sampling Information

Sample ID MW-5B	Sample Time
Sample Containers (Number/Type) 3 VOAs / 1L	
Comments	

Groundwater Sampling Field Log

Site Address	Date
Project Number	Field Personnel

Monitoring Well Information

Monitoring Well ID	Monitoring Well Diameter (inches)
Depth to Water (feet)	Water Column (feet)
Total Depth (feet)	80% Recharge Depth (feet)
Depth to Product (feet)	1 Well Volume (gallons)
Comments	

Field Measurements and Observations

Time	Depth to Water	Purge Volume	Conductivity	Temperature	pH	Turbidity	Color	Odor

Total Purge Volume	Comments

Groundwater Sampling Information

Sample ID	Sample Time
Sample Containers (Number/Type)	
Comments	

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Groundwater Sampling Field Log

Site Address 160 Holmes	Date 1-4-07
Project Number	Field Personnel D.L.

Monitoring Well Information

Monitoring Well ID MW-7C	Monitoring Well Diameter (inches) 2"
Depth to Water (feet) 22.53	Water Column (feet) 42.47
Total Depth (feet) 65'	80% Recharge Depth (feet)
Depth to Product (feet)	1 Well Volume (gallons) 7.21
Comments	

Field Measurements and Observations

Time	Depth to Water	Purge Volume	Conductivity	Temperature	pH	Turbidity	Color	Odor
1	1	1	698 µS	17.5°C	7.49	low	l. brown	low
			699 µS	17.3°C	7.53	1	1	1
			701 µS	17.4°C	7.50			

Total Purge Volume	Comments

Groundwater Sampling Information

Sample ID MW-7C	Sample Time
Sample Containers (Number/Type) 3 VOAs / 1L	
Comments	

Groundwater Sampling Field Log

Site Address 160 Holmes	Date 1-4-07
Project Number	Field Personnel D.L.

Monitoring Well Information

Monitoring Well ID MW-6	Monitoring Well Diameter (inches) 2"
Depth to Water (feet) 22.03	Water Column (feet) 2.97
Total Depth (feet) 25'	80% Recharge Depth (feet)
Depth to Product (feet)	1 Well Volume (gallons) .50
Comments	

Field Measurements and Observations

Time	Depth to Water	Purge Volume	Conductivity	Temperature	pH	Turbidity	Color	Odor
1	1	1	959 µS	16.7°C	7.23	med	brown	med.
			964 µS	16.8°C	7.19	1	1	1
			945 µS	17.4°C	7.16			

Total Purge Volume	Comments

Groundwater Sampling Information

Sample ID MW-6	Sample Time
Sample Containers (Number/Type) 3 VOAs / 1L	
Comments	

ALLTERRA

Groundwater Sampling Field Log

Site Address 160 Holmes	Date 1-4-07
Project Number	Field Personnel D.L.

Monitoring Well Information

Monitoring Well ID MW-7A	Monitoring Well Diameter (inches) 2"
Depth to Water (feet) 21.80	Water Column (feet) 3.2
Total Depth (feet) 25'	80% Recharge Depth (feet)
Depth to Product (feet)	1 Well Volume (gallons) .54
Comments	

Field Measurements and Observations

Time	Depth to Water	Purge Volume	Conductivity	Temperature	pH	Turbidity	Color	Odor
			912 µS	17.6°C	7.26	low	brown	med.
			938 µS	18.0°C	7.18			
			925 µS	18.3°C	7.15			

Total Purge Volume	Comments

Groundwater Sampling Information

Sample ID MW-7A	Sample Time
Sample Containers (Number/Type) 3 VOAs/1L	
Comments	

Groundwater Sampling Field Log

Site Address 160 Holmes	Date 1-4-07
Project Number	Field Personnel SR

Monitoring Well Information

Monitoring Well ID MW-7B	Monitoring Well Diameter (inches) 2.0
Depth to Water (feet) ~~21~~ 22.18	Water Column (feet) 32.82
Total Depth (feet) 55	80% Recharge Depth (feet)
Depth to Product (feet)	1 Well Volume (gallons) 5.57
Comments	

Field Measurements and Observations

Time	Depth to Water	Purge Volume	Conductivity	Temperature	pH	Turbidity	Color	Odor
	22.18	5.57	915 µS	17.6°C	7.7C	high	brown	none
			952 µS	17.7°C	7.65			
			932 µS	17.9°C	7.55			

Total Purge Volume	Comments

Groundwater Sampling Information

Sample ID MW-7B	Sample Time
Sample Containers (Number/Type) 3 VOA 1 amber	
Comments	

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Groundwater Sampling Field Log

Site Address 160 Holmes | Date 1-3-07

Project Number | Field Personnel D.L.

Monitoring Well Information

Monitoring Well ID EW-1 | Monitoring Well Diameter (inches) 4"

Depth to Water (feet) 21.45 | Water Column (feet) 16.55

Total Depth (feet) 38' | 80% Recharge Depth (feet)

Depth to Product (feet) | 1 Well Volume (gallons) 10.92

Comments

Field Measurements and Observations

Time	Depth to Water	Purge Volume	Conductivity	Temperature	pH	Turbidity	Color	Odor
/	/	/	751 µS	18.8°C	7.61			
			765 µS	18.8°C	7.42			
			762 µS	18.8°C	7.38			

Total Purge Volume | Comments

Groundwater Sampling Information

Sample ID EW-1 | Sample Time

Sample Containers (Number/Type) 3 VOAs / 1L

Comments

Groundwater Sampling Field Log

Site Address 160 Holmes | Date ~~1-3-07~~ 1-4-07

Project Number | Field Personnel SR. DL

Monitoring Well Information

Monitoring Well ID EW-2 | Monitoring Well Diameter (inches) 4.0

Depth to Water (feet) 21.66 | Water Column (feet) 13.34

Total Depth (feet) 35' | 80% Recharge Depth (feet)

Depth to Product (feet) | 1 Well Volume (gallons) 8.80

Comments

Field Measurements and Observations

Time	Depth to Water	Purge Volume	Conductivity	Temperature	pH	Turbidity	Color	Odor
	21.66	8.80	958 µS	18.5°C	7.29	High	brown	none
	/	/	975 µS	18.7°C	7.29	/	/	/
			934 µS	18.7°C	7.23			

Total Purge Volume 26.4 | Comments

Groundwater Sampling Information

Sample ID EW-2 | Sample Time

Sample Containers (Number/Type) 3 VOA 1 amber

Comments

ALTERRA

Interim remedial clean-up field log

160 Holmes street, Livermore, CA

GWTS OBSERVATIONS AND MEASUREMENTS

DATE:	12/11/06
PERSONNEL:	D. L.
WELL ID :	
DEPTH TO WATER:	
PUMP DEPTH INITIAL:	
COMPLETED DEPTH:	

FLOW TOTALIZE	
INITIAL TOTAL	0
COMPLETED TOTAL	4,611
TOTAL GALLONS PUMPED	4,611

	GPH
FLOW RATE INITIAL	8.5
1 HOUR	8.2
2 HOUR	8.0
3 HOUR	13.3
4 HOUR	13.0
5 HOUR	
6 HOUR	
7 HOUR	
8 HOUR	

SAMPLES COLLECTED

TANK-1		DATE:	
IN-1		DATE:	

NOTES: last 2 hrs w/generator.

TANK DISCHARGE:

TOTAL GALLONS DISCHARGED: 4,611

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Interim remedial clean-up field log

160 Holmes street, Livermore, CA

GWTS OBSERVATIONS AND MEASUREMENTS

DATE:	12-12-06
PERSONNEL:	SJZ
WELL ID :	—
DEPTH TO WATER:	
PUMP DEPTH INITIAL:	
COMPLETED DEPTH:	

FLOW RATE INITIAL	GPH
1 HOUR	13.05
2 HOUR	12.55
3 HOUR	12.01
4 HOUR	11.66
5 HOUR	
6 HOUR	
7 HOUR	
8 HOUR	

Tank Discharge

FLOW TOTALIZE	
INITIAL TOTAL	4611
COMPLETED TOTAL	7086
TOTAL GALLONS PUMPED	2,475

SAMPLES COLLECTED

TANK-1		DATE:	
IN-1		DATE:	

NOTES:

TANK DISCHARGE:

TOTAL GALLONS DISCHARGED: ~~450~~ 2,745 Total Gallons discharge

408-210-3928

ALTERRA

Interim remedial clean-up field log

160 Holmes street, Livermore, CA

GWTS OBSERVATIONS AND MEASUREMENTS

DATE:	12-13-06
PERSONNEL:	D.L.
WELL ID :	EW-1
DEPTH TO WATER:	
PUMP DEPTH INITIAL:	
COMPLETED DEPTH:	

FLOW TOTALIZE	
INITIAL TOTAL	
COMPLETED TOTAL	
TOTAL GALLONS PUMPED	2153.00

	GPH
FLOW RATE INITIAL	13.38
1 HOUR	12.60
2 HOUR	12.49
3 HOUR	12.18
4 HOUR	
5 HOUR	
6 HOUR	
7 HOUR	
8 HOUR	

SAMPLES COLLECTED

TANK-1		DATE:	
IN-1		DATE:	

NOTES: set-up cam-lock fittings for hoses.

TANK DISCHARGE:

TOTAL GALLONS DISCHARGED:

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Interim remedial clean-up field log

160 Holmes street, Livermore, CA

GWTS OBSERVATIONS AND MEASUREMENTS

DATE:	12-14-06
PERSONNEL:	D.L.
WELL ID :	EW-1
DEPTH TO WATER:	/
PUMP DEPTH INITIAL:	
COMPLETED DEPTH:	/

FLOW TOTALIZE	
INITIAL TOTAL	2153.00
COMPLETED TOTAL	5721.93
TOTAL GALLONS PUMPED	3568.93

	GPH
FLOW RATE INITIAL	12.30
1 HOUR	12.24
2 HOUR	12.15
3 HOUR	12.10
4 HOUR	12.0
5 HOUR	11.97
6 HOUR	11.95
7 HOUR	
8 HOUR	

SAMPLES COLLECTED

TANK-1	✓	DATE:	12-14-06
IN-1	✓	DATE:	12-14-06

NOTES: Tank analysis 870 µS 13.7°C
8.72 PH

TANK DISCHARGE:

TOTAL GALLONS DISCHARGED: total: 5721.93 gallons

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Interim remedial clean-up field log

160 Holmes street, Livermore, CA

GWTS OBSERVATIONS AND MEASUREMENTS

DATE: 1-2-06

PERSONNEL: D.L.

WELL ID :

DEPTH TO WATER:

PUMP DEPTH INITIAL:

COMPLETED DEPTH:

	GPH
FLOW RATE INITIAL	14.5
1 HOUR	14.44
2 HOUR	13.75
3 HOUR	13.51
4 HOUR	13.40
5 HOUR	
6 HOUR	
7 HOUR	
8 HOUR	

FLOW TOTALIZE

INITIAL TOTAL	
COMPLETED TOTAL	
TOTAL GALLONS PUMPED	3568.65

SAMPLES COLLECTED

TANK-1

IN-1

DATE:

DATE:

NOTES: Tank Discharge Opened & tagged wells

TANK DISCHARGE:

TOTAL GALLONS DISCHARGED: 3568.65 gallons

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Interim remedial clean-up field log

160 Holmes street, Livermore, CA

GWTS OBSERVATIONS AND MEASUREMENTS

DATE:	1-16-07
PERSONNEL:	JR
WELL ID :	EW-1
DEPTH TO WATER:	26±
PUMP DEPTH INITIAL:	27.0
COMPLETED DEPTH:	28.5

FLOW TOTALIZE

INITIAL TOTAL	0
COMPLETED TOTAL	5506.74
TOTAL GALLONS PUMPED	5506.74

	GPH	
FLOW RATE INITIAL	12.0	
1 HOUR	11.0	
2 HOUR	12.0	Lowered pump
3 HOUR	11.8	
4 HOUR	11.7	
5 HOUR	11.5	
6 HOUR	11.5	
7 HOUR	11.2	
8 HOUR	11.18	

SAMPLES COLLECTED

TANK-1	3 Voa	**DATE:**	1-16-07
IN-1	3 Voa	**DATE:**	1-16-07

↑ EW-1-20 sample collected after 20 min run time

NOTES: Lowered Pump 1.5 Ft. Flow rate increased to 12.0
Unable to obtain accurate Depth to water battery dead on DTW meter.

TANK DISCHARGE:

TOTAL GALLONS DISCHARGED:

ALTERRA

Interim remedial clean-up field log

160 Holmes street, Livermore, CA

GWTS OBSERVATIONS AND MEASUREMENTS

DATE: 1-24-07

PERSONNEL: EA

WELL ID : Tank

DEPTH TO WATER:

PUMP DEPTH INITIAL:

COMPLETED DEPTH:

FLOW TOTALIZE

INITIAL TOTAL	0
COMPLETED TOTAL	1,468
TOTAL GALLONS PUMPED	1,468

FLOW RATE INITIAL	GPH
1 HOUR	14.3
2 HOUR	14.2
3 HOUR	
4 HOUR	
5 HOUR	
6 HOUR	
7 HOUR	
8 HOUR	

SAMPLES COLLECTED

TANK-1	/	DATE:	/
IN-1	/	DATE:	/

NOTES: Discharge to sewer. Begin 1:30
End 3:15
Total discharge: 1,468 gal.

TANK DISCHARGE: /

TOTAL GALLONS DISCHARGED:

ALTERRA

Interim remedial clean-up field log

160 Holmes street, Livermore, CA

GWTS OBSERVATIONS AND MEASUREMENTS

DATE: 1-26-07

PERSONNEL: EA

WELL ID :

DEPTH TO WATER:

PUMP DEPTH INITIAL:

COMPLETED DEPTH:

FLOW TOTALIZE

INITIAL TOTAL	1,468
COMPLETED TOTAL	~~1,1~~ 5,558
TOTAL GALLONS PUMPED	4090

	GPH
FLOW RATE INITIAL	12.5
1 HOUR	12.5
2 HOUR	12.5
3 HOUR	11.0
4 HOUR	10.6
5 HOUR	10.4
6 HOUR	
7 HOUR	
8 HOUR	

SAMPLES COLLECTED

TANK-1		**DATE:**	
IN-1		**DATE:**	

NOTES:

TANK DISCHARGE:

TOTAL GALLONS DISCHARGED: 4090

ALTERRA

Interim remedial clean-up field log

160 Holmes street, Livermore, CA

GWTS OBSERVATIONS AND MEASUREMENTS

DATE:	2-6-07
PERSONNEL:	JK

WELL ID : EW-1

DEPTH TO WATER:

PUMP DEPTH INITIAL:	
COMPLETED DEPTH:	

FLOW TOTALIZE	
INITIAL TOTAL	0
COMPLETED TOTAL	3925
TOTAL GALLONS PUMPED	3925

	GPH
FLOW RATE INITIAL	
1 HOUR	
2 HOUR	
3 HOUR	NA
4 HOUR	
5 HOUR	
6 HOUR	
7 HOUR	
8 HOUR	

SAMPLES COLLECTED

TANK-1		DATE:	
IN-1		DATE:	

NOTES:

TANK DISCHARGE:

TOTAL GALLONS DISCHARGED:

ALTERRA

Interim remedial clean-up field log

160 Holmes street, Livermore, CA

GWTS OBSERVATIONS AND MEASUREMENTS

DATE: 2-7-07

PERSONNEL: D.L.

WELL ID : EW-1

DEPTH TO WATER: Ø ← depth meter broken

PUMP DEPTH INITIAL:

COMPLETED DEPTH:

FLOW RATE INITIAL	GPH
1 HOUR	10.92
2 HOUR	9.95
3 HOUR	9.20
4 HOUR	9.01
5 HOUR	
6 HOUR	
7 HOUR	
8 HOUR	

FLOW TOTALIZE	
INITIAL TOTAL	3925
COMPLETED TOTAL	5425
TOTAL GALLONS PUMPED	1500

SAMPLES COLLECTED

TANK-1		DATE:	
IN-1	X	DATE:	2-7-07

NOTES: filled generator w/ gas

TANK DISCHARGE:

TOTAL GALLONS DISCHARGED: ≈ 1500 gallons (Influent)

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Interim remedial clean-up field log

160 Holmes street, Livermore, CA

GWTS OBSERVATIONS AND MEASUREMENTS

DATE: 2-16-07

PERSONNEL: D.L.

WELL ID :

DEPTH TO WATER:

PUMP DEPTH INITIAL:

COMPLETED DEPTH:

FLOW RATE INITIAL	GPH
1 HOUR	
2 HOUR	
3 HOUR	
4 HOUR	
5 HOUR	
6 HOUR	
7 HOUR	
8 HOUR	

FLOW TOTALIZE	
INITIAL TOTAL	
COMPLETED TOTAL	
TOTAL GALLONS PUMPED	

SAMPLES COLLECTED

TANK-1

IN-1

DATE:

DATE:

NOTES: Took PH readings for Tank (full)

658 µS / 14.8°C / PH 8.45

TANK DISCHARGE:

TOTAL GALLONS DISCHARGED:

APPENDIX C
Certified Analytical Reports and Chain of Custody

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

Allterra Environmental, Inc 849 Almar Ave, Ste. C #281 Santa Cruz, CA 95060	Client Project ID: #015-01-160; Livermore	Date Sampled: 01/03/07
		Date Received: 01/08/07
	Client Contact: James Allen	Date Reported: 01/12/07
	Client P.O.:	Date Completed: 01/12/07

WorkOrder: 0701139

January 12, 2007

Dear James:

Enclosed are:

1). the results of **13** analyzed samples from your **#015-01-160; Livermore project,**

2). a QC report for the above samples

3). a copy of the chain of custody, and

4). a bill for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits. If you have any questions please contact me. McCampbell Analytical Laboratories strives for excellence in quality, service and cost. Thank you for your business and I look forward to working with you again.

Best regards,

Angela Rydelius, Lab Manager

ATTN

ALLTERRA

849 Almar Avenue, Suite C, #281

Website: www.allterraenv.com

Phone: (831) 425-2608 Facsimile: (831) 425-2609

Chain of Custody Record

Turn Around Time (circle one) RUSH 24HR 48HR 72HR (5 Day)

Report and Bill to: Allterra Environmental, Inc.

Project Number: 015-01-160

Project Location: 160 Holmes

Project Name: Livermore

Sampler Signature:

Sample ID	Sample Collection: Date	Sample Collection: Time	Sample Containers: Number of Containers	Sample Containers: Container Type	Matrix: Air	Matrix: Water	Matrix: Soil	Matrix: Sludge	Matrix: Other	Preservation: Ice	Preservation: HCl	Preservation: HNO_3	Preservation: Other	TPHg, BTEX&MTBE (EPA 8021B)	TPHd (EPA 8015)	MTBE (EPA 8260B)	5 -fuel oxys (EPA 8260)	Ethanol and Methanol (EPA 8260)	Lead Scavengers (8260)	Total HVOCs (EPA 8260)	Hardness/Total dissolved solids	CAM-17 Metals (EPA 6010/6020)	LUFT 5 Metals (EPA 6010/6020)	PAH's/ PNA's (EPA 8270,625/8310)	Fish Toxicity/Bioassay	Lead (EPA 6010/200.9/200.8)	TTO's method 624	EDF required
MW-1A	1/3/07		3	VOA/L		X				X	X			X	X		X	X	X									X
MW-1B	1/3/07		3	VOA/L		X				X	X			X	X		X	X	X									X
MW-2A	1/3/07		3	VOA/L		X				X	X			X	X		X	X	X									X
MW-3A	1/3/07		3	VOA/L		X				X	X			X	X		X	X	X									X
MW-4A	1/4/07		3	VOA/L		X				X	X			X	X		X	X	X									X
MW-5A	1/4/07		3	VOA/L		X				X	X			X	X		X	X	X									X
MW-5B	1/4/07		3	VOA/L		X				X	X			X	X		X	X	X									X
MW-6	1/4/07		3	VOA/L		X				X	X			X	X		X	X	X									X
MW-7A	1/4/07		3	VOA/L		X				X	X			X	X		X	X	X									X
MW-7B	1/4/07		3	VOA/L		X				X	X			X	X		X	X	X									X
MW-7C	1/4/07		3	VOA/L		X				X	X			X	X		X	X	X									X
EW-1	1/4/07		3	VOA/L		X				X	X			X	X		X	X	X									X
EW-2	1/3/07		3	VOA/L		X				X	X			X	X		X	X	X									X

Received By: 1/5/07	Date: 1/8/07	Time: 8:30AM	Received By: Mel Vall
Received By:	Date:	Time:	Received By:
Received By:	Date:	Time:	Received By:

Comments: Ambers without blue Hcl label do not contain Hcl

ICE/t° _____
GOOD CONDITION ✓ APPROPRIATE
HEAD SPACE ABSENT _____ CONTAINERS ✓
DECHLORINATED IN LAB _____ PRESERVED IN LAB _____

PRESERVATION	VOAS	O&G	METALS	OTHER
	✓			

REC'D SEALED & INTACT VIA C/O

* received broken (liter)

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0701139 **ClientID: ATRS**

☑ EDF ☐ Fax ☑ Email ☐ HardCopy ☐ ThirdParty

Report to:
James Allen
Allterra Environmental, Inc
849 Almar Ave, Ste. C #281
Santa Cruz, CA 95060
Email: allterraenvironmental@yahoo.com
TEL: 831-425-2608 FAX: 831-425-2609
ProjectNo: #015-01-160; Livermore
PO:

Bill to:
Accounts Payable
Allterra Environmental
849 Almar Ave, Ste. C #281
Santa Cruz, CA 95060

Requested TAT: 5 days

Date Received: 01/08/2007
Date Printed: 01/08/2007

Sample ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
0701139-001	MW-1A	Water	1/3/07	☐	C	A	A	B								
0701139-002	MW-1B	Water	1/3/07	☐	C	A		B								
0701139-003	MW-2A	Water	1/3/07	☐	C	A		B								
0701139-004	MW-3A	Water	1/3/07	☐	C	A		B								
0701139-005	MW-4A	Water	1/3/07	☐	C	A		B								
0701139-006	MW-5A	Water	1/3/07	☐	C	A		B								
0701139-007	MW-5B	Water	1/3/07	☐	C	A		B								
0701139-008	MW-6	Water	1/3/07	☐	C	A		B								
0701139-009	MW-7A	Water	1/3/07	☐	C	A		B								
0701139-010	MW-7B	Water	1/3/07	☐	C	A		B								
0701139-011	MW-7C	Water	1/3/07	☐	C	A		B								
0701139-012	EW-1	Water	1/3/07	☐	C	A		B								
0701139-013	EW-2	Water	1/3/07	☐	C	A		B								

Test Legend:

1	9-OXYS_W	2	G-MBTEX_W	3	PREDF REPORT	4	TPH(D)_W	5	
6		7		8		9		10	
11		12							

Prepared by: Melissa Valles

Comments:

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.

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Allterra Environmental, Inc 849 Almar Ave, Ste. C #281 Santa Cruz, CA 95060	Client Project ID: #015-01-160; Livermore	Date Sampled: 01/03/07
		Date Received: 01/08/07
	Client Contact: James Allen	Date Extracted: 01/09/07-01/10/07
	Client P.O.:	Date Analyzed 01/09/07-01/10/07

Oxygenated Volatile Organics + EDB and 1,2-DCA by P&T and GC/MS*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0701139

Lab ID	0701139-001C	0701139-002C	0701139-003C	0701139-004C	Reporting Limit for DF =1	
Client ID	MW-1A	MW-1B	MW-2A	MW-3A		
Matrix	W	W	W	W		
DF	3300	1	5	1	S	W
Compound	**Concentration**				ug/kg	µg/L
tert-Amyl methyl ether (TAME)	ND<1700	ND	ND<2.5	ND	NA	0.5
t-Butyl alcohol (TBA)	ND<17,000	ND	590	ND	NA	5.0
1,2-Dibromoethane (EDB)	ND<1700	ND	ND<2.5	ND	NA	0.5
1,2-Dichloroethane (1,2-DCA)	ND<1700	ND	ND<2.5	ND	NA	0.5
Diisopropyl ether (DIPE)	ND<1700	ND	ND<2.5	ND	NA	0.5
Ethanol	ND<170,000	ND	ND<250	ND	NA	50
Ethyl tert-butyl ether (ETBE)	ND<1700	ND	ND<2.5	ND	NA	0.5
Methanol	ND<1,700,000	ND	ND<2500	ND	NA	500
Methyl-t-butyl ether (MTBE)	110,000	ND	7.8	ND	NA	0.5
Surrogate Recoveries (%)						
%SS1:	95	96	95	98		
Comments						

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted due to high organic content/matrix interference; J) analyte detected below quantitation limits; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight; m) reporting limit raised due to insufficient sample amount; n) results are reported on a dry weight basis; p) see attached narrative.

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Allterra Environmental, Inc 849 Almar Ave, Ste. C #281 Santa Cruz, CA 95060	Client Project ID: #015-01-160; Livermore	Date Sampled: 01/03/07
		Date Received: 01/08/07
	Client Contact: James Allen	Date Extracted: 01/09/07-01/10/07
	Client P.O.:	Date Analyzed 01/09/07-01/10/07

Oxygenated Volatile Organics + EDB and 1,2-DCA by P&T and GC/MS*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0701139

Lab ID	0701139-005C	0701139-006C	0701139-007C	0701139-008C	Reporting Limit for DF =1	
Client ID	MW-4A	MW-5A	MW-5B	MW-6		
Matrix	W	W	W	W		
DF	1	1	1	1	S	W
Compound	**Concentration**				ug/kg	µg/L
tert-Amyl methyl ether (TAME)	ND	ND	ND	ND	NA	0.5
t-Butyl alcohol (TBA)	ND	ND	ND	ND	NA	5.0
1,2-Dibromoethane (EDB)	ND	ND	ND	ND	NA	0.5
1,2-Dichloroethane (1,2-DCA)	ND	ND	ND	ND	NA	0.5
Diisopropyl ether (DIPE)	ND	ND	ND	ND	NA	0.5
Ethanol	ND	ND	ND	ND	NA	50
Ethyl tert-butyl ether (ETBE)	ND	ND	ND	ND	NA	0.5
Methanol	ND	ND	ND	ND	NA	500
Methyl-t-butyl ether (MTBE)	0.79	ND	1.3	ND	NA	0.5
Surrogate Recoveries (%)						
%SS1:	99	100	99	100		
Comments						

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted due to high organic content/matrix interference; J) analyte detected below quantitation limits; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight; m) reporting limit raised due to insufficient sample amount; n) results are reported on a dry weight basis; p) see attached narrative.

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Allterra Environmental, Inc 849 Almar Ave, Ste. C #281 Santa Cruz, CA 95060	Client Project ID: #015-01-160; Livermore	Date Sampled: 01/03/07
		Date Received: 01/08/07
	Client Contact: James Allen	Date Extracted: 01/09/07-01/10/07
	Client P.O.:	Date Analyzed 01/09/07-01/10/07

Oxygenated Volatile Organics + EDB and 1,2-DCA by P&T and GC/MS*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0701139

Lab ID	0701139-009C	0701139-010C	0701139-011C	0701139-012C	Reporting Limit for DF =1	
Client ID	MW-7A	MW-7B	MW-7C	EW-1		
Matrix	W	W	W	W		
DF	10	100	1	100	S	W
Compound	**Concentration**				ug/kg	µg/L
tert-Amyl methyl ether (TAME)	ND<5.0	ND<50	ND	ND<50	NA	0.5
t-Butyl alcohol (TBA)	1100	11,000	24	2900	NA	5.0
1,2-Dibromoethane (EDB)	ND<5.0	ND<50	ND	ND<50	NA	0.5
1,2-Dichloroethane (1,2-DCA)	ND<5.0	ND<50	ND	ND<50	NA	0.5
Diisopropyl ether (DIPE)	ND<5.0	ND<50	ND	ND<50	NA	0.5
Ethanol	ND<500	ND<5000	ND	ND<5000	NA	50
Ethyl tert-butyl ether (ETBE)	ND<5.0	ND<50	ND	ND<50	NA	0.5
Methanol	ND<5000	ND<50,000	ND	ND<50,000	NA	500
Methyl-t-butyl ether (MTBE)	73	180	ND	4900	NA	0.5
Surrogate Recoveries (%)						
%SS1:	95	95	100	94		
Comments						

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted due to high organic content/matrix interference; J) analyte detected below quantitation limits; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight; m) reporting limit raised due to insufficient sample amount; n) results are reported on a dry weight basis; p) see attached narrative.

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Allterra Environmental, Inc 849 Almar Ave, Ste. C #281 Santa Cruz, CA 95060	Client Project ID: #015-01-160; Livermore	Date Sampled: 01/03/07
		Date Received: 01/08/07
	Client Contact: James Allen	Date Extracted: 01/09/07-01/10/07
	Client P.O.:	Date Analyzed 01/09/07-01/10/07

Oxygenated Volatile Organics + EDB and 1,2-DCA by P&T and GC/MS*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0701139

					Reporting Limit for DF =1	
Lab ID	0701139-013C					
Client ID	EW-2					
Matrix	W					
DF	100				S	W
Compound	**Concentration**				ug/kg	µg/L
tert-Amyl methyl ether (TAME)	ND<50				NA	0.5
t-Butyl alcohol (TBA)	ND<500				NA	5.0
1,2-Dibromoethane (EDB)	ND<50				NA	0.5
1,2-Dichloroethane (1,2-DCA)	ND<50				NA	0.5
Diisopropyl ether (DIPE)	ND<50				NA	0.5
Ethanol	ND<5000				NA	50
Ethyl tert-butyl ether (ETBE)	ND<50				NA	0.5
Methanol	ND<50,000				NA	500
Methyl-t-butyl ether (MTBE)	4200				NA	0.5
Surrogate Recoveries (%)						
%SS1:	93					
Comments						

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted due to high organic content/matrix interference; J) analyte detected below quantitation limits; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight; m) reporting limit raised due to insufficient sample amount; n) results are reported on a dry weight basis; p) see attached narrative.

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Allterra Environmental, Inc	Client Project ID: #015-01-160; Livermore	Date Sampled: 01/03/07
849 Almar Ave, Ste. C #281		Date Received: 01/08/07
Santa Cruz, CA 95060	Client Contact: James Allen	Date Extracted: 01/09/07-01/10/07
	Client P.O.:	Date Analyzed 01/09/07-01/10/07

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE*

Extraction method SW5030B Analytical methods SW8021B/8015Cm Work Order: 0701139

Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS
001A	MW-1A	W	27,000,a	120,000	1300	53	2500	1900	50	114
002A	MW-1B	W	ND	ND	ND	ND	ND	ND	1	104
003A	MW-2A	W	55,a	8.5	0.57	ND	ND	ND	1	109
004A	MW-3A	W	ND	ND	ND	ND	ND	ND	1	108
005A	MW-4A	W	ND	ND	ND	ND	ND	ND	1	99
006A	MW-5A	W	ND	ND	ND	ND	ND	ND	1	98
007A	MW-5B	W	ND	ND	ND	ND	ND	ND	1	95
008A	MW-6	W	ND	ND	ND	ND	ND	ND	1	92
009A	MW-7A	W	1000,a	75	12	18	48	8.3	1	107
010A	MW-7B	W	91,m	200	ND	2.1	ND	ND	1	111
011A	MW-7C	W	ND	ND	ND	ND	ND	ND	1	105
012A	EW-1	W	1600,a	5000	56	27	110	240	10	121
013A	EW-2	W	ND<500,j	4500	5.3	ND<5.0	16	7.1	10	115

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	50	5.0	0.5	0.5	0.5	0.5	1	µg/L
	S	NA	NA	NA	NA	NA	NA	1	mg/Kg

* water and vapor samples and all TCLP & SPLP extracts are reported in ug/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

cluttered chromatogram; sample peak coelutes with surrogate peak.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified gasoline is significant; b) heavier gasoline range compounds are significant(aged gasoline?); c) lighter gasoline range compounds (the most mobile fraction) are significant; d) gasoline range compounds having broad chromatographic peaks are significant; biologically altered gasoline?; e) TPH pattern that does not appear to be derived from gasoline (stoddard solvent / mineral spirit?); f) one to a few isolated non-target peaks present; g) strongly aged gasoline or diesel range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) reporting limit raised due to high MTBE content; k) TPH pattern that does not appear to be derived from gasoline (aviation gas). m) no recognizable pattern; n) TPH(g) range non-target isolated peaks subtracted out of the TPH(g) concentration at the client's request; p) see attached narrative.

DHS ELAP Certification N° 1644

Angela Rydelius, Lab Manager

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Allterra Environmental, Inc 849 Almar Ave, Ste. C #281 Santa Cruz, CA 95060	Client Project ID: #015-01-160; Livermore	Date Sampled: 01/03/07
		Date Received: 01/08/07
	Client Contact: James Allen	Date Extracted: 01/08/07
	Client P.O.:	Date Analyzed 01/10/07-01/11/07

Diesel Range (C10-C23) Extractable Hydrocarbons as Diesel*

Extraction method SW3510C Analytical methods SW8015C Work Order: 0701139

Lab ID	Client ID	Matrix	TPH(d)	DF	% SS
0701139-001B	MW-1A	W	2300,d,b	1	110
0701139-002B	MW-1B	W	ND	1	110
0701139-003B	MW-2A	W	60,d	1	97
0701139-004B	MW-3A	W	ND	1	99
0701139-005B	MW-4A	W	ND	1	102
0701139-006B	MW-5A	W	320,a	1	97
0701139-007B	MW-5B	W	89,b	1	91
0701139-008B	MW-6	W	ND	1	106
0701139-009B	MW-7A	W	440,d	1	98
0701139-010B	MW-7B	W	ND	1	100
0701139-011B	MW-7C	W	ND	1	100
0701139-012B	EW-1	W	150,d	1	97
0701139-013B	EW-2	W	ND	1	97

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	50	µg/L
	S	NA	NA

* water samples are reported in µg/L, wipe samples in µg/wipe, soil/solid/sludge samples in mg/kg, product/oil/non-aqueous liquid samples in mg/L, and all DISTLC / STLC / SPLP / TCLP extracts are reported in µg/L.

cluttered chromatogram resulting in coeluted surrogate and sample peaks, or; surrogate peak is on elevated baseline, or; surrogate has been diminished by dilution of original extract.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified diesel is significant; b) diesel range compounds are significant; no recognizable pattern; c) aged diesel? is significant); d) gasoline range compounds are significant; e) unknown medium boiling point pattern that does not appear to be derived from diesel; f) one to a few isolated peaks present; g) oil range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; k) kerosene/kerosene range/jet fuel range; l) bunker oil; m) fuel oil; n) stoddard solvent/mineral spirit.

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QC SUMMARY REPORT FOR SW8260B

W.O. Sample Matrix: Water QC Matrix: Water WorkOrder 0701139

EPA Method SW8260B **Extraction SW5030B** **BatchID: 25570** **Spiked Sample ID: 0701108-002A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
tert-Amyl methyl ether (TAME	ND	10	96	102	6.13	86.2	87.6	1.62	70 - 130	30	70 - 130	30
t-Butyl alcohol (TBA)	ND	50	126	125	0.323	97.9	99.2	1.31	70 - 130	30	70 - 130	30
1,2-Dibromoethane (EDB)	ND	10	109	113	4.27	96.2	95	1.27	70 - 130	30	70 - 130	30
1,2-Dichloroethane (1,2-DCA)	ND	10	112	119	6.55	106	108	1.73	70 - 130	30	70 - 130	30
Diisopropyl ether (DIPE)	ND	10	110	115	4.65	102	101	0.658	70 - 130	30	70 - 130	30
Ethanol	ND	500	111	111	0	109	113	3.89	70 - 130	30	70 - 130	30
Ethyl tert-butyl ether (ETBE)	ND	10	102	108	5.64	93.6	93.7	0.0747	70 - 130	30	70 - 130	30
Methanol	ND	2500	114	117	3.07	106	105	1.18	70 - 130	30	70 - 130	30
Methyl-t-butyl ether (MTBE)	ND	10	104	111	6.35	96.7	96.6	0.0905	70 - 130	30	70 - 130	30
%SS1:	99	10	110	111	1.04	109	108	0.955	70 - 130	30	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 25570 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0701139-001	1/03/07	1/10/07	1/10/07 3:25 AM	0701139-002	1/03/07	1/09/07	1/09/07 4:01 PM
0701139-003	1/03/07	1/09/07	1/09/07 4:46 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

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QC SUMMARY REPORT FOR SW8260B

W.O. Sample Matrix: Water QC Matrix: Water WorkOrder 0701139

EPA Method SW8260B **Extraction SW5030B** **BatchID: 25606** **Spiked Sample ID: 0701140-006C**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
tert-Amyl methyl ether (TAME	ND	10	92.8	93.2	0.494	99	99.1	0.0679	70 - 130	30	70 - 130	30
t-Butyl alcohol (TBA)	ND	50	120	110	8.56	114	112	1.63	70 - 130	30	70 - 130	30
1,2-Dibromoethane (EDB)	ND	10	103	106	2.26	115	108	6.23	70 - 130	30	70 - 130	30
1,2-Dichloroethane (1,2-DCA)	ND	10	106	106	0	121	122	0.854	70 - 130	30	70 - 130	30
Diisopropyl ether (DIPE)	ND	10	107	109	1.91	118	116	2.11	70 - 130	30	70 - 130	30
Ethanol	ND	500	99.5	95.9	3.71	105	113	7.58	70 - 130	30	70 - 130	30
Ethyl tert-butyl ether (ETBE)	ND	10	97.9	101	3.22	108	106	2.47	70 - 130	30	70 - 130	30
Methanol	ND	2500	112	108	3.26	113	110	1.88	70 - 130	30	70 - 130	30
Methyl-t-butyl ether (MTBE)	ND	10	101	104	2.73	111	109	1.67	70 - 130	30	70 - 130	30
%SS1:	102	10	108	111	2.42	109	107	1.48	70 - 130	30	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 25606 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0701139-004	1/03/07	1/09/07	1/09/07 12:52 AM	0701139-005	1/03/07	1/09/07	1/09/07 1:37 AM
0701139-006	1/03/07	1/09/07	1/09/07 2:22 AM	0701139-007	1/03/07	1/09/07	1/09/07 3:07 AM
0701139-008	1/03/07	1/09/07	1/09/07 3:51 AM	0701139-009	1/03/07	1/09/07	1/09/07 5:32 PM
0701139-010	1/03/07	1/10/07	1/10/07 12:20 PM	0701139-011	1/03/07	1/09/07	1/09/07 6:02 AM
0701139-012	1/03/07	1/09/07	1/09/07 7:04 PM	0701139-013	1/03/07	1/09/07	1/09/07 7:50 PM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

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QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Water QC Matrix: Soil WorkOrder: 0701139

EPA Method SW8021B/8015Cm Extraction SW5030B BatchID: 25595 Spiked Sample ID: 0701131-025A

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH(btex)£	ND	0.60	108	111	3.06	108	95.9	12.2	70 - 130	30	70 - 130	30
MTBE	ND	0.10	94.6	98.3	3.79	100	97.1	2.94	70 - 130	30	70 - 130	30
Benzene	ND	0.10	94	93.9	0.156	93.6	91.5	2.29	70 - 130	30	70 - 130	30
Toluene	ND	0.10	84.5	83.6	0.979	83.8	82.9	1.15	70 - 130	30	70 - 130	30
Ethylbenzene	ND	0.10	90.9	91.7	0.894	93.5	75	21.9	70 - 130	30	70 - 130	30
Xylenes	ND	0.30	90.3	90.7	0.368	91	90.7	0.367	70 - 130	30	70 - 130	30
%SS:	90	0.10	78	88	12.0	81	77	5.06	70 - 130	30	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 25595 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0701139-005	1/03/07	1/09/07	1/09/07 8:47 AM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

£ TPH(btex) = sum of BTEX areas from the FID.

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Water QC Matrix: Water WorkOrder: 0701139

EPA Method SW8021B/8015Cm Extraction SW5030B BatchID: 25603 Spiked Sample ID: 0701140-006A

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH(btex)£	ND	60	101	98.3	3.05	84	101	18.0	70 - 130	30	70 - 130	30
MTBE	ND	10	129	124	3.62	100	99.3	0.900	70 - 130	30	70 - 130	30
Benzene	ND	10	101	102	1.41	103	96.6	6.20	70 - 130	30	70 - 130	30
Toluene	ND	10	94.1	94.1	0	96.9	90.1	7.28	70 - 130	30	70 - 130	30
Ethylbenzene	ND	10	99.9	99.9	0	102	95.3	6.61	70 - 130	30	70 - 130	30
Xylenes	ND	30	91	91	0	94.7	90.3	4.68	70 - 130	30	70 - 130	30
%SS:	116	10	100	104	3.54	103	99	4.39	70 - 130	30	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 25603 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0701139-001	1/03/07	1/09/07	1/09/07 12:11 AM	0701139-001	1/03/07	1/10/07	1/10/07 5:49 AM
0701139-002	1/03/07	1/09/07	1/09/07 1:10 AM	0701139-003	1/03/07	1/09/07	1/09/07 2:09 AM
0701139-004	1/03/07	1/09/07	1/09/07 2:39 AM	0701139-006	1/03/07	1/09/07	1/09/07 9:20 AM
0701139-007	1/03/07	1/09/07	1/09/07 10:25 AM	0701139-008	1/03/07	1/09/07	1/09/07 10:58 AM
0701139-009	1/03/07	1/09/07	1/09/07 11:30 AM	0701139-010	1/03/07	1/09/07	1/09/07 12:04 PM
0701139-011	1/03/07	1/09/07	1/09/07 3:08 AM	0701139-012	1/03/07	1/09/07	1/09/07 4:37 AM
0701139-012	1/03/07	1/10/07	1/10/07 7:17 AM	0701139-013	1/03/07	1/09/07	1/09/07 8:03 AM
0701139-013	1/03/07	1/10/07	1/10/07 7:47 AM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

£ TPH(btex) = sum of BTEX areas from the FID.

DHS ELAP Certification N° 1644

QA/QC Officer

McCampbell Analytical, Inc.
"When Quality Counts"

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Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

QC SUMMARY REPORT FOR SW8015C

W.O. Sample Matrix: Water QC Matrix: Water WorkOrder 0701139

EPA Method SW8015C **Extraction SW3510C** **BatchID: 25586** **Spiked Sample ID: N/A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH(d)	N/A	1000	N/A	N/A	N/A	99.7	99.4	0.328	N/A	N/A	70 - 130	30
%SS:	N/A	2500	N/A	N/A	N/A	91	93	2.32	N/A	N/A	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 25586 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0701139-001	1/03/07	1/08/07	1/10/07 6:41 AM	0701139-002	1/03/07	1/08/07	1/10/07 7:47 AM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

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QC SUMMARY REPORT FOR SW8015C

W.O. Sample Matrix: Water QC Matrix: Water WorkOrder 0701139

EPA Method SW8015C **Extraction SW3510C** **BatchID: 25607** **Spiked Sample ID: N/A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH(d)	N/A	1000	N/A	N/A	N/A	122	120	0.952	N/A	N/A	70 - 130	30
%SS:	N/A	2500	N/A	N/A	N/A	116	117	1.30	N/A	N/A	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 25607 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0701139-003	1/03/07	1/08/07	1/10/07 10:27 PM	0701139-004	1/03/07	1/08/07	1/10/07 11:35 PM
0701139-005	1/03/07	1/08/07	1/11/07 12:44 AM	0701139-006	1/03/07	1/08/07	1/10/07 6:41 AM
0701139-007	1/03/07	1/08/07	1/10/07 7:47 AM	0701139-008	1/03/07	1/08/07	1/11/07 4:47 PM
0701139-009	1/03/07	1/08/07	1/11/07 3:01 AM	0701139-010	1/03/07	1/08/07	1/11/07 4:10 AM
0701139-011	1/03/07	1/08/07	1/11/07 5:18 AM	0701139-012	1/03/07	1/08/07	1/11/07 6:27 AM
0701139-013	1/03/07	1/08/07	1/11/07 7:35 AM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

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Telephone: 877-252-9262 Fax: 925-252-9269

Allterra Environmental, Inc 849 Almar Ave, Ste. C #281 Santa Cruz, CA 95060	Client Project ID: #015-01-160; Livermore	Date Sampled: 12/14/06
		Date Received: 12/19/06
	Client Contact: James Allen	Date Reported: 12/27/06
	Client P.O.:	Date Completed: 12/27/06

WorkOrder: 0612395

December 27, 2006

Dear James:

Enclosed are:

1). the results of **1** analyzed sample from your **#015-01-160; Livermore project,**

2). a QC report for the above sample

3). a copy of the chain of custody, and

4). a bill for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits. If you have any questions please contact me. McCampbell Analytical Laboratories strives for excellence in quality, service and cost. Thank you for your business and I look forward to working with you again.

Best regards,

Angela Rydelius, Lab Manager

atts 0612395

ALLTERRA

849 Almar Avenue, Suite C, #281

Website: www.allterraenv.com

Phone: (831) 425-2608 Facsimile: (831) 425-2609

Chain of Custody Record

Turn Around Time (circle one) RUSH 24HR 48HR 72HR 5 Day

Report and Bill to: Allterra Environmental, Inc.

Project Number: 015-01-160

Project Location: 160 Holmes

Project Name: Livermore

Sampler Signature:

Sample ID	Sample Collection		Sample Containers		Matrix					Preservation				TPHg, BTEX&MTBE (EPA 8021B)	TPHd (EPA 8015)	MTBE (EPA 8260B)	5 -fuel oxys (EPA 8260)	Ethanol and Methanol (EPA 8260)	Lead Scavengers (8260)	Total HVOCs (EPA 8260)	Hardness/Total dissolved solids	CAM-17 Metals (EPA 6010/6020)	LUFT 5 Metals (EPA 6010/6020)	PAH's/ PNA's (EPA 8270,625/8310)	Fish Toxicity/Bioassay	Lead (EPA 6010/200.9/200.8)	TTO's method 624	EDF required
	Date	Time	Number of Containers	Container Type	Air	Water	Soil	Sludge	Other	Ice	HCl	HNO_3	Other																
IN-1	12/14/06		4	VOAS		X				X	X			X															X

Received By: 12/18/06 Time: Received By: 12/19/06

Received By: Date: Time: Received By:

Received By: Date: Time: Received By:

Comments:

ICE/t° 14.8°c

GOOD CONDITION ✓ APPROPRIATE CONTAINERS ✓

HEAD SPACE ABSENT PRESERVED IN LAB

DECHLORINATED IN LAB

PRESERVATION	VOAS	O&G	METALS	OTHER

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0612395 **ClientID: ATRS**

☑ EDF ☐ Fax ☑ Email ☐ HardCopy ☐ ThirdParty

Report to:
James Allen
Allterra Environmental, Inc
849 Almar Ave, Ste. C #281
Santa Cruz, CA 95060
Email: allterraenvironmental@yahoo.com
TEL: 831-425-2608 FAX: 831-425-2609
ProjectNo: #015-01-160; Livermore
PO:

Bill to:
Accounts Payable
Allterra Environmental
849 Almar Ave, Ste. C #281
Santa Cruz, CA 95060

Requested TAT: **5 days**

Date Received: **12/19/2006**
Date Printed: **12/19/2006**

Sample ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
0612395-001	IN-1	Water	12/14/06	☐	A	A										

Test Legend:

1	G-MBTEX_W	2	PREDF REPORT	3		4		5	
6		7		8		9		10	
11		12							

Prepared by: Melissa Valles

Comments:

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.

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Telephone: 877-252-9262 Fax: 925-252-9269

Allterra Environmental, Inc	Client Project ID: #015-01-160; Livermore	Date Sampled: 12/14/06
849 Almar Ave, Ste. C #281		Date Received: 12/19/06
Santa Cruz, CA 95060	Client Contact: James Allen	Date Extracted: 12/20/06-12/22/06
	Client P.O.:	Date Analyzed 12/20/06-12/22/06

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE*

Extraction method SW5030B Analytical methods SW8021B/8015Cm Work Order: 0612395

Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS
001A	IN-1	W	4800,a	17,000	270	120	340	610	10	101

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	50	5.0	0.5	0.5	0.5	0.5	1	µg/L
	S	NA	NA	NA	NA	NA	NA	1	mg/Kg

* water and vapor samples and all TCLP & SPLP extracts are reported in ug/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

cluttered chromatogram; sample peak coelutes with surrogate peak.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified gasoline is significant; b) heavier gasoline range compounds are significant(aged gasoline?); c) lighter gasoline range compounds (the most mobile fraction) are significant; d) gasoline range compounds having broad chromatographic peaks are significant; biologically altered gasoline?; e) TPH pattern that does not appear to be derived from gasoline (stoddard solvent / mineral spirit?); f) one to a few isolated non-target peaks present; g) strongly aged gasoline or diesel range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) reporting limit raised due to high MTBE content; k) TPH pattern that does not appear to be derived from gasoline (aviation gas). m) no recognizable pattern; n) TPH(g) range non-target isolated peaks subtracted out of the TPH(g) concentration at the client's request; p) see attached narrative.

DHS ELAP Certification N° 1644

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Water QC Matrix: Water WorkOrder 0612395

EPA Method SW8021B/8015Cm Extraction SW5030B BatchID: 25296 Spiked Sample ID: 0612394-004A

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH(btex)£	ND	60	104	102	2.74	110	106	3.25	70 - 130	30	70 - 130	30
MTBE	ND	10	93.4	101	7.34	101	108	7.34	70 - 130	30	70 - 130	30
Benzene	ND	10	103	105	1.94	107	109	1.45	70 - 130	30	70 - 130	30
Toluene	ND	10	95	96.2	1.36	98.9	101	1.85	70 - 130	30	70 - 130	30
Ethylbenzene	ND	10	100	102	2.36	106	106	0	70 - 130	30	70 - 130	30
Xylenes	ND	30	95	95	0	99.7	100	0.334	70 - 130	30	70 - 130	30
%SS:	107	10	101	106	4.33	106	104	1.91	70 - 130	30	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 25296 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0612395-001	12/14/06	12/20/06	12/20/06 9:26 PM	0612395-001	12/14/06	12/22/06	12/22/06 3:40 PM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

£ TPH(btex) = sum of BTEX areas from the FID.

McCampbell Analytical, Inc.
"When Quality Counts"

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Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

Allterra Environmental, Inc 849 Almar Ave, Ste. C #281 Santa Cruz, CA 95060	Client Project ID: #015-01-015; 160 Holmes St.	Date Sampled: 01/16/07
		Date Received: 01/19/07
	Client Contact: James Allen	Date Reported: 01/25/07
	Client P.O.:	Date Completed: 01/25/07

WorkOrder: 0701374

January 25, 2007

Dear James:

Enclosed are:

1). the results of **1** analyzed sample from your **#015-01-015; 160 Holmes St. project,**

2). a QC report for the above sample

3). a copy of the chain of custody, and

4). a bill for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits. If you have any questions please contact me. McCampbell Analytical Laboratories strives for excellence in quality, service and cost. Thank you for your business and I look forward to working with you again.

Best regards,

Angela Rydelius, Lab Manager

ALLTERRA

849 Almar Avenue, Suite C, #281

Website: www.allterraenv.com
Phone: (831) 425-2608 Facsimile: (831) 425-2609

Chain of Custody Record

Turn Around Time (circle one) RUSH 24HR 48HR 72HR (5 Day)

Report and Bill to: Allterra Environmental, Inc.
Project Number: 015-01-015
Project Location: 160 HOLMES ST.
Project Name:
Sampler Signature:

Sample ID	Sample Collection		Sample Containers		Matrix					Preservation				TPHg, BTEX,MTBE(EPA 8015M/8020)	TPHd, (EPA 8015m)	MTBE (EPA 8260B)	Five Fuel Oxys,(EPA 8260)	Ethanol and Methanol (EPA 8260)	Lead Scavengers (8260)	Total HVOCs (EPA 8260)	Hardness/Total dissolved solids	TTO'S METHOD 624	LUFT 5 Metals (EPA 6010/6020)	PAH's/ PNA's (EPA 8270,625/8310)	Fish Toxicity/Bioassay	Lead (EPA 6010/200.9/200.8)	METALS BY (EPA 200 SERIES)	EDF required
	Date	Time	Number of Containers	Container Type	Air	Water	Soil	Sludge	Other	Ice	HCl	HNO_3	Other															
EW-1-20	1/16/07		3	VOA		X				X	X			X														X

	######## Time:	Received By:	
Received By:	Date: 1/19/07 Time: 9AM	Received By:	
Received By:	Date:	Received By:	

ICE/t° 15.4
GOOD CONDITION ✓
HEAD SPACE ABSENT ___
DECHLORINATED IN LAB ___
APPROPRIATE CONTAINERS ✓
PRESERVED IN LAB ___
PRESERVATION ✓ | VOAS | O&G | METALS | OTHER

REC'D SEALED & INTACT VIA C/O

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0701374 **ClientID: ATRS**

☑ EDF ☐ Fax ☑ Email ☐ HardCopy ☐ ThirdParty

Report to:
James Allen
Allterra Environmental, Inc
849 Almar Ave, Ste. C #281
Santa Cruz, CA 95060
Email: allterraenvironmental@yahoo.com
TEL: 831-425-2608 FAX: 831-425-2609
ProjectNo: #015-01-015; 160 Holmes St.
PO:

Bill to:
Accounts Payable
Allterra Environmental
849 Almar Ave, Ste. C #281
Santa Cruz, CA 95060

Requested TAT: **5 days**

Date Received: **01/19/2007**
Date Printed: **01/19/2007**

Sample ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
0701374-001	EW-1-20	Water	1/16/07	☐	A	A										

Test Legend:

1	G-MBTEX_W	2	PREDF REPORT	3		4		5	
6		7		8		9		10	
11		12							

Prepared by: Maria Venegas

Comments:

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.

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Allterra Environmental, Inc	Client Project ID: #015-01-015; 160 Holmes St.	Date Sampled: 01/16/07
849 Almar Ave, Ste. C #281		Date Received: 01/19/07
Santa Cruz, CA 95060	Client Contact: James Allen	Date Extracted: 01/23/07
	Client P.O.:	Date Analyzed: 01/23/07

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE*

Extraction method: SW5030B Analytical methods: SW8021B/8015Cm Work Order: 0701374

Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS
001A	EW-1-20	W	3000,a	16,000	230	93	300	480	10	97

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	50	5.0	0.5	0.5	0.5	0.5	1	µg/L
	S	NA	NA	NA	NA	NA	NA	1	mg/Kg

* water and vapor samples and all TCLP & SPLP extracts are reported in ug/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

cluttered chromatogram; sample peak coelutes with surrogate peak.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified gasoline is significant; b) heavier gasoline range compounds are significant(aged gasoline?); c) lighter gasoline range compounds (the most mobile fraction) are significant; d) gasoline range compounds having broad chromatographic peaks are significant; biologically altered gasoline?; e) TPH pattern that does not appear to be derived from gasoline (stoddard solvent / mineral spirit?); f) one to a few isolated non-target peaks present; g) strongly aged gasoline or diesel range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) reporting limit raised due to high MTBE content; k) TPH pattern that does not appear to be derived from gasoline (aviation gas). m) no recognizable pattern; n) TPH(g) range non-target isolated peaks subtracted out of the TPH(g) concentration at the client's request; p) see attached narrative.

DHS ELAP Certification N° 1644

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Water QC Matrix: Water WorkOrder: 0701374

EPA Method SW8021B/8015Cm Extraction SW5030B BatchID: 25817 Spiked Sample ID: 0701375-005A

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH(btex)£	ND	60	102	99.9	1.81	103	103	0	70 - 130	30	70 - 130	30
MTBE	ND	10	83.7	99.1	16.9	92.8	91.6	1.33	70 - 130	30	70 - 130	30
Benzene	ND	10	95.7	102	6.70	93	90.8	2.30	70 - 130	30	70 - 130	30
Toluene	ND	10	94.6	101	6.61	90	90.9	1.08	70 - 130	30	70 - 130	30
Ethylbenzene	ND	10	98.6	104	5.74	88.3	90.4	2.40	70 - 130	30	70 - 130	30
Xylenes	ND	30	110	117	5.88	89.7	90	0.371	70 - 130	30	70 - 130	30
%SS:	86	10	91	93	1.52	95	97	2.36	70 - 130	30	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 25817 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0701374-001	1/16/07	1/23/07	1/23/07 4:06 AM	0701374-001	1/16/07	1/23/07	1/23/07 10:44 PM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

£ TPH(btex) = sum of BTEX areas from the FID.

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Telephone: 877-252-9262 Fax: 925-252-9269

Allterra Environmental, Inc 849 Almar Ave, Ste. C #281 Santa Cruz, CA 95060	Client Project ID: #015-01-160; 160 Holmes	Date Sampled: 02/07/07
		Date Received: 02/12/07
	Client Contact: James Allen	Date Reported: 02/15/07
	Client P.O.:	Date Completed: 02/15/07

WorkOrder: 0702241

February 15, 2007

Dear James:

Enclosed are:

1). the results of **1** analyzed sample from your **#015-01-160; 160 Holmes project,**

2). a QC report for the above sample

3). a copy of the chain of custody, and

4). a bill for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits. If you have any questions please contact me. McCampbell Analytical Laboratories strives for excellence in quality, service and cost. Thank you for your business and I look forward to working with you again.

Best regards,

Angela Rydelius, Lab Manager

ATRS

0702241

ALLTERRA

849 Almar Avenue, Suite C, #281

Website: www.allterraenv.com

Phone: (831) 425-2608 Facsimile: (831) 425-2609

Chain of Custody Record

Turn Around Time (circle one) RUSH 24HR 48HR 72HR 5 Day

Report and Bill to: Allterra Environmental, Inc.

Project Number: 015-01-160

Project Location: 160 Holmes

Project Name: Livermore

Sampler Signature:

Sample ID	Sample Collection		Sample Containers		Matrix					Preservation				TPHg, BTEX&MTBE (EPA 8015)	TPHd (EPA 8015)	MTBE (EPA 8260B)	5 -fuel oxys (EPA 8260)	Ethanol and Methanol (EPA 8260)	Lead Scavengers (8260)	Total HVOCs (EPA 8260)	Hardness/Total dissolved solids	CAM-17 Metals (EPA 6010/6020)	LUFT 5 Metals (EPA 6010/6020)	PAH's/ PNA's (EPA 8270,625/8310)	Fish Toxicity/Bioassay	Lead (EPA 6010/200.9/200.8)	EPA 624 TTOs+MTBE	EDF required
	Date	Time	Number of Containers	Container Type	Air	Water	Soil	Sludge	Other	Ice	HCl	HNO_3	Other																
IN-1	2/7/07		4	VOAS		X				X	X			X														X	

2/8/07		Time: 2/12	Received By: 8-30	Comments: TTOs by EPA 624
Received By:	Date:	Time:	Received By:	ICE/t° 15° ✓ GOOD CONDITION ✓ APPROPRIATE ✓ HEAD SPACE ABSENT ___ CONTAINERS ___ DECHLORINATED IN LAB ___ PRESERVED IN LAB ___ VOA / O&G / METALS / OTHER
Received By:	Date:	Time:	Received By:	

REC'D SEALED & INTACT VIA C/O

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0702241 **ClientID: ATRS**

☐ EDF ☐ Fax ☑ Email ☐ HardCop ☐ ThirdPart

Report to:
James Allen
Allterra Environmental, Inc
849 Almar Ave, Ste. C #281
Santa Cruz, CA 95060

Email: allterraenvironmental@yahoo.com
TEL: 831-425-2608 FAX: 831-425-2609
ProjectNo: #015-01-160; 160 Holmes
PO:

Bill t
Accounts Payable
Allterra Environmental
849 Almar Ave, Ste. C #281
Santa Cruz, CA 95060
amanda@allterraenv.com

Requested TAT: 5 days

Date Received **02/12/2007**
Date Printed: **02/12/2007**

Sample ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
0702241-001	IN-1	Water	02/07/07	☐	B	A										

Test Legend:

1	624_W	2	G-MBTEX_W	3		4		5	
6		7		8		9		10	
11		12							

Prepared by: Elisa Venegas

Comments:

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.

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Allterra Environmental, Inc	Client Project ID: #015-01-160; 160 Holmes	Date Sampled: 02/07/07
		Date Received: 02/12/07
849 Almar Ave, Ste. C #281	Client Contact: James Allen	Date Extracted: 02/13/07
Santa Cruz, CA 95060	Client P.O.:	Date Analyzed 02/13/07

Volatile Organics by P&T and GC/MS (624 Basic Target List)*

Extraction Method: E624 Analytical Method: E624 Work Order: 0702241

Lab ID	0702241-001B
Client ID	IN-1
Matrix	Water

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acrolein	ND<5000	1000	5.0	Acrylonitrile	ND<2000	1000	2.0
Benzene	ND<500	1000	0.5	Bromodichloromethane	ND<500	1000	0.5
Bromoform	ND<500	1000	0.5	Bromomethane	ND<500	1000	0.5
Carbon tetrachloride	ND<500	1000	0.5	Chlorobenzene	ND<500	1000	0.5
Chloroethane	ND<500	1000	0.5	2-Chloroethyl vinyl ether	ND<1000	1000	1.0
Chloroform	ND<500	1000	0.5	Chloromethane	ND<500	1000	0.5
Dibromochloromethane	ND<500	1000	0.5	Dichlorodifluoromethane	ND<500	1000	0.5
1,2-Dichlorobenzene	ND<500	1000	0.5	1,3-Dichlorobenzene	ND<500	1000	0.5
1,4-Dichlorobenzene	ND<500	1000	0.5	1,1-Dichloroethane	ND<500	1000	0.5
1,2-Dichloroethane (1,2-DCA)	ND<500	1000	0.5	1,1-Dichloroethene	ND<500	1000	0.5
cis-1,2-Dichloroethene	ND<500	1000	0.5	trans-1,2-Dichloroethene	ND<500	1000	0.5
1,2-Dichloropropane	ND<500	1000	0.5	cis-1,3-Dichloropropene	ND<500	1000	0.5
trans-1,3-Dichloropropene	ND<500	1000	0.5	Ethylbenzene	ND<500	1000	0.5
Hexachlorobutadiene	ND<500	1000	0.5	Hexachloroethane	ND<500	1000	0.5
Methyl-t-butyl ether (MTBE)	15,000	1000	0.5	Methylene chloride	ND<500	1000	0.5
Naphthalene	ND<500	1000	0.5	Nitrobenzene	ND<10,000	1000	10
Styrene	ND<500	1000	0.5	1,1,2,2-Tetrachloroethane	ND<500	1000	0.5
Tetrachloroethene	ND<500	1000	0.5	Toluene	ND<500	1000	0.5
1,2,4-Trichlorobenzene	ND<500	1000	0.5	1,1,1-Trichloroethane	ND<500	1000	0.5
1,1,2-Trichloroethane	ND<500	1000	0.5	Trichloroethene	ND<500	1000	0.5
Trichlorofluoromethane	ND<500	1000	0.5	Freon 113	ND<10,000	1000	10
Vinyl chloride	ND<500	1000	0.5	Xylenes	500	1000	0.5

Surrogate Recoveries (%)

%SS1:	100	%SS2:	97
%SS3:	91		

Comments:

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or surrogate coelutes with another peak.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted due to high organic content/matrix interference; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight; m) reporting limit raised due to insufficient sample amount; n) results are reported on a dry weight basis; p) see attached narrative.

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Allterra Environmental, Inc 849 Almar Ave, Ste. C #281 Santa Cruz, CA 95060	Client Project ID: #015-01-160; 160 Holmes	Date Sampled: 02/07/07
		Date Received: 02/12/07
	Client Contact: James Allen	Date Extracted: 02/12/07-02/13/07
	Client P.O.:	Date Analyzed 02/12/07-02/13/07

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE*

Extraction method SW5030B Analytical methods SW8021B/8015Cm Work Order: 0702241

Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS
001A	IN-1	W	2900,a	15,000	240	82	330	550	10	99

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	50	5.0	0.5	0.5	0.5	0.5	1	µg/L
	S	NA	NA	NA	NA	NA	NA	1	mg/Kg

* water and vapor samples and all TCLP & SPLP extracts are reported in ug/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

cluttered chromatogram; sample peak coelutes with surrogate peak.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified gasoline is significant; b) heavier gasoline range compounds are significant(aged gasoline?); c) lighter gasoline range compounds (the most mobile fraction) are significant; d) gasoline range compounds having broad chromatographic peaks are significant; biologically altered gasoline?; e) TPH pattern that does not appear to be derived from gasoline (stoddard solvent / mineral spirit?); f) one to a few isolated non-target peaks present; g) strongly aged gasoline or diesel range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) reporting limit raised due to high MTBE content; k) TPH pattern that does not appear to be derived from gasoline (aviation gas). m) no recognizable pattern; n) TPH(g) range non-target isolated peaks subtracted out of the TPH(g) concentration at the client's request; p) see attached narrative.

DHS ELAP Certification N° 1644

Angela Rydelius, Lab Manager

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Telephone: 877-252-9262 Fax: 925-252-9269

QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Water QC Matrix: Water WorkOrder 0702241

EPA Method SW8021B/8015Cm	Extraction SW5030B				BatchID: 26196				Spiked Sample ID: 0702248-011A			
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH(btex)£	ND	60	99.4	83.5	17.3	105	109	4.12	70 - 130	30	70 - 130	30
MTBE	ND	10	103	102	1.27	114	107	6.06	70 - 130	30	70 - 130	30
Benzene	ND	10	113	92.1	20.6	118	111	6.18	70 - 130	30	70 - 130	30
Toluene	ND	10	110	88.7	21.4	116	111	4.70	70 - 130	30	70 - 130	30
Ethylbenzene	ND	10	109	102	6.28	112	108	4.07	70 - 130	30	70 - 130	30
Xylenes	ND	30	100	90.7	9.79	107	100	6.45	70 - 130	30	70 - 130	30
%SS:	110	10	114	110	3.20	121	114	6.58	70 - 130	30	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 26196 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0702241-001	2/07/07	2/12/07	2/12/07 6:38 PM	0702241-001	2/07/07	2/13/07	2/13/07 3:04 PM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

£ TPH(btex) = sum of BTEX areas from the FID.

cluttered chromatogram; sample peak coelutes with surrogate peak.

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QC SUMMARY REPORT FOR E624

W.O. Sample Matrix: Water QC Matrix: Water WorkOrder 0702241

EPA Method E624	Extraction E624				BatchID: 26198				Spiked Sample ID: 0702248-002B			
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Benzene	ND	10	123	120	1.99	126	125	0.992	70 - 130	30	70 - 130	30
Chlorobenzene	ND	10	101	99.4	1.50	99.3	99	0.356	70 - 130	30	70 - 130	30
1,1-Dichloroethene	ND	10	104	101	3.29	103	98.8	4.53	70 - 130	30	70 - 130	30
Toluene	0.54	10	91	96	5.05	103	103	0	70 - 130	30	70 - 130	30
Trichloroethene	ND	10	74.7	72.6	2.67	81	80.2	1.10	70 - 130	30	70 - 130	30
%SS1:	102	10	101	100	0.820	107	106	0.652	70 - 130	30	70 - 130	30
%SS2:	97	10	88	94	6.18	92	94	2.01	70 - 130	30	70 - 130	30
%SS3:	95	10	89	93	4.71	92	92	0	70 - 130	30	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 26198 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0702241-001	2/07/07	2/13/07	2/13/07 2:17 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054 Phone: (408) 588-0200 Fax: (408) 588-0201

James Allen
Allterra Environmental, Inc.
849 Almar Avenue Suite C,#281
Santa Cruz, CA 95060

Lab Certificate Number: 53083
Issued: 12/28/2006

Project Number: 015-01-160
Project Name: Livermore
Project Location: 160 Holmes St.

Global ID: T0600102287

Certificate of Analysis - Final Report

On December 18, 2006, a sample was received under chain of custody for analysis.
Entech analyzes samples "as received" unless otherwise noted. The following results are included:

Matrix	Test / Comments
Liquid	VOCs: EPA 5030C / EPA 8260B for Groundwater and Water - EPA 624 for Wastewater

Entech Analytical Labs, Inc. is certified for environmental analyses by the State of California (#2346).
If you have any questions regarding this report, please call us at 408-588-0200 ext. 225.

Sincerely,

Laurie Glantz-Murphy
Laboratory Director

Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054 Phone: (408) 588-0200 Fax: (408) 588-0201

Allterra Environmental, Inc.
849 Almar Avenue Suite C,#281
Santa Cruz, CA 95060
Attn: James Allen

Project Number: 015-01-160
Project Name: Livermore
Project Location: 160 Holmes St.
GlobalID: T0600102287

Certificate of Analysis - Data Report

Samples Received: 12/18/2006
Sample Collected by: Client

Lab # : 53083-001 **Sample ID: Tank-1** **Matrix:** Liquid **Sample Date:** 12/14/2006

VOCs: EPA 5030C / EPA 8260B for Groundwater and Water - EPA 624 for Wastewater

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
1,1,1,2-Tetrachloroethane	ND		1.0	0.50	µg/L	N/A	N/A	12/27/2006	WM2061227
1,1,1-Trichloroethane	ND		1.0	0.50	µg/L	N/A	N/A	12/27/2006	WM2061227
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	µg/L	N/A	N/A	12/27/2006	WM2061227
1,1,2-Trichloroethane	ND		1.0	0.50	µg/L	N/A	N/A	12/27/2006	WM2061227
1,1-Dichloroethane	ND		1.0	0.50	µg/L	N/A	N/A	12/27/2006	WM2061227
1,1-Dichloroethene	ND		1.0	0.50	µg/L	N/A	N/A	12/27/2006	WM2061227
1,1-Dichloropropene	ND		1.0	0.50	µg/L	N/A	N/A	12/27/2006	WM2061227
1,2,3-Trichlorobenzene	ND		1.0	5.0	µg/L	N/A	N/A	12/27/2006	WM2061227
1,2,3-Trichloropropane	ND		1.0	5.0	µg/L	N/A	N/A	12/27/2006	WM2061227
1,2,4-Trichlorobenzene	ND		1.0	5.0	µg/L	N/A	N/A	12/27/2006	WM2061227
1,2,4-Trimethylbenzene	ND		1.0	5.0	µg/L	N/A	N/A	12/27/2006	WM2061227
1,2-Dibromo-3-Chloropropane	ND		1.0	5.0	µg/L	N/A	N/A	12/27/2006	WM2061227
1,2-Dibromoethane (EDB)	ND		1.0	0.50	µg/L	N/A	N/A	12/27/2006	WM2061227
1,2-Dichlorobenzene	ND		1.0	0.50	µg/L	N/A	N/A	12/27/2006	WM2061227
1,2-Dichloroethane	ND		1.0	0.50	µg/L	N/A	N/A	12/27/2006	WM2061227
1,2-Dichloropropane	ND		1.0	0.50	µg/L	N/A	N/A	12/27/2006	WM2061227
1,3,5-Trimethylbenzene	ND		1.0	5.0	µg/L	N/A	N/A	12/27/2006	WM2061227
1,3-Dichlorobenzene	ND		1.0	0.50	µg/L	N/A	N/A	12/27/2006	WM2061227
1,3-Dichloropropane	ND		1.0	0.50	µg/L	N/A	N/A	12/27/2006	WM2061227
1,4-Dichlorobenzene	ND		1.0	0.50	µg/L	N/A	N/A	12/27/2006	WM2061227
1,4-Dioxane	ND		1.0	50	µg/L	N/A	N/A	12/27/2006	WM2061227
2,2-Dichloropropane	ND		1.0	0.50	µg/L	N/A	N/A	12/27/2006	WM2061227
2-Butanone (MEK)	ND		1.0	20	µg/L	N/A	N/A	12/27/2006	WM2061227
2-Chloroethyl-vinyl Ether	ND		1.0	5.0	µg/L	N/A	N/A	12/27/2006	WM2061227
2-Chlorotoluene	ND		1.0	5.0	µg/L	N/A	N/A	12/27/2006	WM2061227
2-Hexanone	ND		1.0	20	µg/L	N/A	N/A	12/27/2006	WM2061227
4-Chlorotoluene	ND		1.0	5.0	µg/L	N/A	N/A	12/27/2006	WM2061227
4-Methyl-2-Pentanone(MIBK)	ND		1.0	20	µg/L	N/A	N/A	12/27/2006	WM2061227
Acetone	ND		1.0	20	µg/L	N/A	N/A	12/27/2006	WM2061227
Acetonitrile	ND		1.0	5.0	µg/L	N/A	N/A	12/27/2006	WM2061227
Acrolein	ND		1.0	5.0	µg/L	N/A	N/A	12/27/2006	WM2061227
Acrylonitrile	ND		1.0	5.0	µg/L	N/A	N/A	12/27/2006	WM2061227
Benzene	ND		1.0	0.50	µg/L	N/A	N/A	12/27/2006	WM2061227
Benzyl Chloride	ND		1.0	5.0	µg/L	N/A	N/A	12/27/2006	WM2061227
Bromobenzene	ND		1.0	0.50	µg/L	N/A	N/A	12/27/2006	WM2061227
Bromochloromethane	ND		1.0	0.50	µg/L	N/A	N/A	12/27/2006	WM2061227
Bromodichloromethane	ND		1.0	0.50	µg/L	N/A	N/A	12/27/2006	WM2061227
Bromoform	ND		1.0	0.50	µg/L	N/A	N/A	12/27/2006	WM2061227
Bromomethane	ND		1.0	0.50	µg/L	N/A	N/A	12/27/2006	WM2061227
Carbon Disulfide	ND		1.0	0.50	µg/L	N/A	N/A	12/27/2006	WM2061227
Carbon Tetrachloride	ND		1.0	0.50	µg/L	N/A	N/A	12/27/2006	WM2061227
Chlorobenzene	ND		1.0	0.50	µg/L	N/A	N/A	12/27/2006	WM2061227
Chloroethane	ND		1.0	0.50	µg/L	N/A	N/A	12/27/2006	WM2061227
Chloroform	ND		1.0	0.50	µg/L	N/A	N/A	12/27/2006	WM2061227
Chloromethane	ND		1.0	0.50	µg/L	N/A	N/A	12/27/2006	WM2061227

Detection Limit = Detection Limit for Reporting.
ND = Not Detected at or above the Detection Limit.
D/P-F = Dilution and/or Prep Factor includes sample volume adjustments.
Qual = Data Qualifier

Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054 Phone: (408) 588-0200 Fax: (408) 588-0201

Allterra Environmental, Inc.
849 Almar Avenue Suite C,#281
Santa Cruz, CA 95060
Attn: James Allen

Project Number: 015-01-160
Project Name: Livermore
Project Location: 160 Holmes St.
GlobalID: T0600102287

Certificate of Analysis - Data Report

Samples Received: 12/18/2006
Sample Collected by: Client

Lab # : 53083-001 **Sample ID: Tank-1** **Matrix:** Liquid **Sample Date:** 12/14/2006

VOCs: EPA 5030C / EPA 8260B for Groundwater and Water - EPA 624 for Wastewater

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
cis-1,2-Dichloroethene	ND		1.0	0.50	µg/L	N/A	N/A	12/27/2006	WM2061227
cis-1,3-Dichloropropene	ND		1.0	0.50	µg/L	N/A	N/A	12/27/2006	WM2061227
Cyclohexanone	ND		1.0	20	µg/L	N/A	N/A	12/27/2006	WM2061227
Dibromochloromethane	ND		1.0	0.50	µg/L	N/A	N/A	12/27/2006	WM2061227
Dibromomethane	ND		1.0	0.50	µg/L	N/A	N/A	12/27/2006	WM2061227
Dichlorodifluoromethane	ND		1.0	0.50	µg/L	N/A	N/A	12/27/2006	WM2061227
Diisopropyl Ether	ND		1.0	5.0	µg/L	N/A	N/A	12/27/2006	WM2061227
Ethyl Benzene	ND		1.0	0.50	µg/L	N/A	N/A	12/27/2006	WM2061227
Freon 113	ND		1.0	5.0	µg/L	N/A	N/A	12/27/2006	WM2061227
Hexachlorobutadiene	ND		1.0	5.0	µg/L	N/A	N/A	12/27/2006	WM2061227
Iodomethane	ND		1.0	5.0	µg/L	N/A	N/A	12/27/2006	WM2061227
Isopropanol	ND		1.0	20	µg/L	N/A	N/A	12/27/2006	WM2061227
Isopropylbenzene	ND		1.0	1.0	µg/L	N/A	N/A	12/27/2006	WM2061227
Methyl-t-butyl Ether	**20**		1.0	1.0	µg/L	N/A	N/A	12/27/2006	WM2061227
Methylene Chloride	ND		1.0	20	µg/L	N/A	N/A	12/27/2006	WM2061227
n-Butylbenzene	ND		1.0	5.0	µg/L	N/A	N/A	12/27/2006	WM2061227
n-Propylbenzene	ND		1.0	5.0	µg/L	N/A	N/A	12/27/2006	WM2061227
Naphthalene	ND		1.0	5.0	µg/L	N/A	N/A	12/27/2006	WM2061227
p-Isopropyltoluene	ND		1.0	5.0	µg/L	N/A	N/A	12/27/2006	WM2061227
Pentachloroethane	ND		1.0	0.50	µg/L	N/A	N/A	12/27/2006	WM2061227
sec-Butylbenzene	ND		1.0	5.0	µg/L	N/A	N/A	12/27/2006	WM2061227
Styrene	ND		1.0	0.50	µg/L	N/A	N/A	12/27/2006	WM2061227
tert-Amyl Methyl Ether	ND		1.0	5.0	µg/L	N/A	N/A	12/27/2006	WM2061227
tert-Butanol (TBA)	**570**		1.0	10	µg/L	N/A	N/A	12/27/2006	WM2061227
tert-Butyl Ethyl Ether	ND		1.0	5.0	µg/L	N/A	N/A	12/27/2006	WM2061227
tert-Butylbenzene	ND		1.0	5.0	µg/L	N/A	N/A	12/27/2006	WM2061227
Tetrachloroethene	ND		1.0	0.50	µg/L	N/A	N/A	12/27/2006	WM2061227
Tetrahydrofuran	ND		1.0	20	µg/L	N/A	N/A	12/27/2006	WM2061227
Toluene	ND		1.0	0.50	µg/L	N/A	N/A	12/27/2006	WM2061227
trans-1,2-Dichloroethene	ND		1.0	0.50	µg/L	N/A	N/A	12/27/2006	WM2061227
trans-1,3-Dichloropropene	ND		1.0	0.50	µg/L	N/A	N/A	12/27/2006	WM2061227
trans-1,4-Dichloro-2-butene	ND		1.0	5.0	µg/L	N/A	N/A	12/27/2006	WM2061227
Trichloroethene	ND		1.0	0.50	µg/L	N/A	N/A	12/27/2006	WM2061227
Trichlorofluoromethane	ND		1.0	0.50	µg/L	N/A	N/A	12/27/2006	WM2061227
Vinyl Acetate	ND		1.0	5.0	µg/L	N/A	N/A	12/27/2006	WM2061227
Vinyl Chloride	ND		1.0	0.50	µg/L	N/A	N/A	12/27/2006	WM2061227
Xylenes, Total	ND		1.0	0.50	µg/L	N/A	N/A	12/27/2006	WM2061227

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	93.9	60 - 130
Dibromofluoromethane	99.9	60 - 130
Toluene-d8	102	60 - 130

Analyzed by: TAF
Reviewed by: MaiChiTu

Detection Limit = Detection Limit for Reporting.
D/P-F = Dilution and/or Prep Factor includes sample volume adjustments.
ND = Not Detected at or above the Detection Limit.
Qual = Data Qualifier

Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054 Phone: (408) 588-0200 Fax: (408) 588-0201

Method Blank - Liquid - VOCs: EPA 5030C / EPA 8260B for Groundwater and Water - EPA 624 for Wastewater

QC Batch ID: WM2061227

Validated by: MaiChiTu - 12/28/06

QC Batch Analysis Date: 12/27/2006

Parameter	Result	DF	PQLR	Units
1,1,1,2-Tetrachloroethane	ND	1	0.50	µg/L
1,1,1-Trichloroethane	ND	1	0.50	µg/L
1,1,2,2-Tetrachloroethane	ND	1	0.50	µg/L
1,1,2-Trichloroethane	ND	1	0.50	µg/L
1,1-Dichloroethane	ND	1	0.50	µg/L
1,1-Dichloroethene	ND	1	0.50	µg/L
1,1-Dichloropropene	ND	1	0.50	µg/L
1,2,3-Trichlorobenzene	ND	1	5.0	µg/L
1,2,3-Trichloropropane	ND	1	5.0	µg/L
1,2,4-Trichlorobenzene	ND	1	5.0	µg/L
1,2,4-Trimethylbenzene	ND	1	5.0	µg/L
1,2-Dibromo-3-Chloropropane	ND	1	5.0	µg/L
1,2-Dibromoethane (EDB)	ND	1	0.50	µg/L
1,2-Dichlorobenzene	ND	1	0.50	µg/L
1,2-Dichloroethane	ND	1	0.50	µg/L
1,2-Dichloropropane	ND	1	0.50	µg/L
1,3,5-Trimethylbenzene	ND	1	5.0	µg/L
1,3-Dichlorobenzene	ND	1	0.50	µg/L
1,3-Dichloropropane	ND	1	0.50	µg/L
1,4-Dichlorobenzene	ND	1	0.50	µg/L
1,4-Dioxane	ND	1	50	µg/L
2,2-Dichloropropane	ND	1	0.50	µg/L
2-Butanone (MEK)	ND	1	20	µg/L
2-Chloroethyl-vinyl Ether	ND	1	5.0	µg/L
2-Chlorotoluene	ND	1	5.0	µg/L
2-Hexanone	ND	1	20	µg/L
4-Chlorotoluene	ND	1	5.0	µg/L
4-Methyl-2-Pentanone(MIBK)	ND	1	20	µg/L
Acetone	ND	1	20	µg/L
Acetonitrile	ND	1	5.0	µg/L
Acrolein	ND	1	5.0	µg/L
Acrylonitrile	ND	1	5.0	µg/L
Benzene	ND	1	0.50	µg/L
Benzyl Chloride	ND	1	5.0	µg/L
Bromobenzene	ND	1	0.50	µg/L
Bromochloromethane	ND	1	0.50	µg/L
Bromodichloromethane	ND	1	0.50	µg/L
Bromoform	ND	1	0.50	µg/L
Bromomethane	ND	1	0.50	µg/L
Carbon Disulfide	ND	1	0.50	µg/L
Carbon Tetrachloride	ND	1	0.50	µg/L
Chlorobenzene	ND	1	0.50	µg/L
Chloroethane	ND	1	0.50	µg/L
Chloroform	ND	1	0.50	µg/L
Chloromethane	ND	1	0.50	µg/L
cis-1,2-Dichloroethene	ND	1	0.50	µg/L
cis-1,3-Dichloropropene	ND	1	0.50	µg/L
Cyclohexanone	ND	1	20	µg/L
Dibromochloromethane	ND	1	0.50	µg/L
Dibromomethane	ND	1	0.50	µg/L

Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054 Phone: (408) 588-0200 Fax: (408) 588-0201

Method Blank - Liquid - VOCs: EPA 5030C / EPA 8260B for Groundwater and Water - EPA 624 for Wastewater

QC Batch ID: WM2061227

Validated by: MaiChiTu - 12/28/06

QC Batch Analysis Date: 12/27/2006

Parameter	Result	DF	PQLR	Units
Dichlorodifluoromethane	ND	1	0.50	µg/L
Diisopropyl Ether	ND	1	5.0	µg/L
Ethyl Benzene	ND	1	0.50	µg/L
Freon 113	ND	1	5.0	µg/L
Hexachlorobutadiene	ND	1	5.0	µg/L
Iodomethane	ND	1	5.0	µg/L
Isopropanol	ND	1	20	µg/L
Isopropylbenzene	ND	1	1.0	µg/L
Methylene Chloride	ND	1	20	µg/L
Methyl-t-butyl Ether	ND	1	1.0	µg/L
Naphthalene	ND	1	5.0	µg/L
n-Butylbenzene	ND	1	5.0	µg/L
n-Propylbenzene	ND	1	5.0	µg/L
Pentachloroethane	ND	1	0.50	µg/L
p-Isopropyltoluene	ND	1	5.0	µg/L
sec-Butylbenzene	ND	1	5.0	µg/L
Styrene	ND	1	0.50	µg/L
tert-Amyl Methyl Ether	ND	1	5.0	µg/L
tert-Butanol (TBA)	ND	1	10	µg/L
tert-Butyl Ethyl Ether	ND	1	5.0	µg/L
tert-Butylbenzene	ND	1	5.0	µg/L
Tetrachloroethene	ND	1	0.50	µg/L
Tetrahydrofuran	ND	1	20	µg/L
Toluene	ND	1	0.50	µg/L
trans-1,2-Dichloroethene	ND	1	0.50	µg/L
trans-1,3-Dichloropropene	ND	1	0.50	µg/L
trans-1,4-Dichloro-2-butene	ND	1	5.0	µg/L
Trichloroethene	ND	1	0.50	µg/L
Trichlorofluoromethane	ND	1	0.50	µg/L
Vinyl Acetate	ND	1	5.0	µg/L
Vinyl Chloride	ND	1	0.50	µg/L
Xylenes, Total	ND	1	0.50	µg/L

Surrogate for Blank	% Recovery	Control Limits
4-Bromofluorobenzene	**96.1**	70 - 125
Dibromofluoromethane	**105**	70 - 125
Toluene-d8	**104**	70 - 125

Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054 Phone: (408) 588-0200 Fax: (408) 588-0201

LCS / LCSD - Liquid - VOCs: EPA 5030C / EPA 8260B for Groundwater and Water - EPA 624 for Wastewater

QC Batch ID: WM2061227 Reviewed by: MaiChiTu - 12/28/06

QC Batch ID Analysis Date: 12/27/2006

LCS

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	Recovery Limits
1,1-Dichloroethene	<0.50	20	19.0	µg/L	95.0	70 - 130
Benzene	<0.50	20	20.0	µg/L	100	70 - 130
Chlorobenzene	<0.50	20	20.7	µg/L	104	70 - 130
Methyl-t-butyl Ether	<1.0	20	20.6	µg/L	103	70 - 130
Toluene	<0.50	20	20.3	µg/L	102	70 - 130
Trichloroethene	<0.50	20	21.1	µg/L	106	70 - 130

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	**97.7**	60 - 130
Dibromofluoromethane	**103.0**	60 - 130
Toluene-d8	**103.0**	60 - 130

LCSD

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	RPD	RPD Limits	Recovery Limits
1,1-Dichloroethene	<0.50	20	17.7	µg/L	88.5	7.1	25.0	70 - 130
Benzene	<0.50	20	19.1	µg/L	95.5	4.6	25.0	70 - 130
Chlorobenzene	<0.50	20	19.8	µg/L	99.0	4.4	25.0	70 - 130
Methyl-t-butyl Ether	<1.0	20	18.9	µg/L	94.5	8.6	25.0	70 - 130
Toluene	<0.50	20	19.1	µg/L	95.5	6.1	25.0	70 - 130
Trichloroethene	<0.50	20	20.3	µg/L	102	3.9	25.0	70 - 130

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	**94.6**	60 - 130
Dibromofluoromethane	**105.0**	60 - 130
Toluene-d8	**102.0**	60 - 130

Chain of Custody Record

ALTERRA
849 Almar Avenue, Suite C, #281

Website: www.allterraenv.com
Phone: (831) 425-2608 Facsimile: (831) 425-2609

Turn Around Time (circle one) RUSH 24HR 48HR 72HR (5 Day)

Report and Bill to: Allterra Environmental, Inc.
Project Number: 015-01-160
Project Location: 160 Holmes
Project Name: Livermore
Sampler Signature:

53083

Sample ID	Sample Collection		Sample Containers		Matrix					Preservation				TPHg, BTEX&MTBE (EPA 8021B)	TPHd (EPA 8015)	MTBE (EPA 8260B)	5 -fuel oxys (EPA 8260)	Ethanol and Methanol (EPA 8260)	Lead Scavengers (8260)	Total HVOCs (EPA 8260)	Hardness/Total dissolved solids	CAM-17 Metals (EPA 6010/6020)	LUFT 5 Metals (EPA 6010/6020)	PAH's/ PNA's (EPA 8270,625/8310)	Fish Toxicity/Bioassay	Lead (EPA 6010/200.9/200.8)	TTO's method 624	EDF required
	Date	Time	Number of Containers	Container Type	Air	Water	Soil	Sludge	Other	Ice	HCl	HNO_3	Other																
Tank-1	12/14/06		4	VOAS		X				X	X			- 001														X	X

Comments: TTOs by EPA 624

Received By: 12/18/06	Date: 12/18/06	Time: 1042	Received By:
Received By:	Date:	Time:	Received By:
Received By:	Date:	Time:	Received By:

Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054 Phone: (408) 588-0200 Fax: (408) 588-0201

James Allen
Allterra Environmental, Inc.
849 Almar Avenue Suite C,#281
Santa Cruz, CA 95060

Lab Certificate Number: 53492
Issued: 01/18/2007

Project Number: 015-01-015
Project Name: Livermore
Project Location: 160 Holmes St.

Global ID: T0600102287

Certificate of Analysis - Final Report

On January 17, 2007, a sample was received under chain of custody for analysis.
Entech analyzes samples "as received" unless otherwise noted. The following results are included:

Matrix	Test / Comments
Liquid	Electronic Deliverables for Geotracker
	VOCs: EPA 5030C / EPA 8260B for Groundwater and Water - EPA 624 for Wastewater

Entech Analytical Labs, Inc. is certified for environmental analyses by the State of California (#2346).
If you have any questions regarding this report, please call us at 408-588-0200 ext. 225.

Sincerely,

C. L. Thom
Laboratory Director

Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054 Phone: (408) 588-0200 Fax: (408) 588-0201

Allterra Environmental, Inc.
849 Almar Avenue Suite C,#281
Santa Cruz, CA 95060
Attn: James Allen

Project Number: 015-01-015
Project Name: Livermore
Project Location: 160 Holmes St.
GlobalID: T0600102287

Certificate of Analysis - Data Report

Samples Received: 01/17/2007
Sample Collected by: Client

Lab # : 53492-001 **Sample ID: Tank-1** **Matrix:** Liquid **Sample Date:** 1/16/2007

VOCs: EPA 5030C / EPA 8260B for Groundwater and Water - EPA 624 for Wastewater

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Benzene	ND		5.0	2.5	µg/L	N/A	N/A	1/17/2007	WM1070117
Bromodichloromethane	ND		5.0	2.5	µg/L	N/A	N/A	1/17/2007	WM1070117
Bromoform	ND		5.0	2.5	µg/L	N/A	N/A	1/17/2007	WM1070117
Bromomethane	ND		5.0	2.5	µg/L	N/A	N/A	1/17/2007	WM1070117
Carbon Tetrachloride	ND		5.0	2.5	µg/L	N/A	N/A	1/17/2007	WM1070117
Chlorobenzene	ND		5.0	2.5	µg/L	N/A	N/A	1/17/2007	WM1070117
Chloroethane	ND		5.0	2.5	µg/L	N/A	N/A	1/17/2007	WM1070117
2-Chloroethyl-vinyl Ether	ND		5.0	25	µg/L	N/A	N/A	1/17/2007	WM1070117
Chloroform	ND		5.0	2.5	µg/L	N/A	N/A	1/17/2007	WM1070117
Chloromethane	ND		5.0	2.5	µg/L	N/A	N/A	1/17/2007	WM1070117
Dibromochloromethane	ND		5.0	2.5	µg/L	N/A	N/A	1/17/2007	WM1070117
1,2-Dichlorobenzene	ND		5.0	2.5	µg/L	N/A	N/A	1/17/2007	WM1070117
1,3-Dichlorobenzene	ND		5.0	2.5	µg/L	N/A	N/A	1/17/2007	WM1070117
1,4-Dichlorobenzene	ND		5.0	2.5	µg/L	N/A	N/A	1/17/2007	WM1070117
1,1-Dichloroethane	ND		5.0	2.5	µg/L	N/A	N/A	1/17/2007	WM1070117
1,2-Dichloroethane	ND		5.0	2.5	µg/L	N/A	N/A	1/17/2007	WM1070117
1,1-Dichloroethene	ND		5.0	2.5	µg/L	N/A	N/A	1/17/2007	WM1070117
trans-1,2-Dichloroethene	ND		5.0	2.5	µg/L	N/A	N/A	1/17/2007	WM1070117
1,2-Dichloropropane	ND		5.0	2.5	µg/L	N/A	N/A	1/17/2007	WM1070117
cis-1,3-Dichloropropene	ND		5.0	2.5	µg/L	N/A	N/A	1/17/2007	WM1070117
trans-1,3-Dichloropropene	ND		5.0	2.5	µg/L	N/A	N/A	1/17/2007	WM1070117
Ethyl Benzene	ND		5.0	2.5	µg/L	N/A	N/A	1/17/2007	WM1070117
Methylene Chloride	ND		5.0	100	µg/L	N/A	N/A	1/17/2007	WM1070117
1,1,2,2-Tetrachloroethane	ND		5.0	2.5	µg/L	N/A	N/A	1/17/2007	WM1070117
Tetrachloroethene	ND		5.0	2.5	µg/L	N/A	N/A	1/17/2007	WM1070117
Toluene	ND		5.0	2.5	µg/L	N/A	N/A	1/17/2007	WM1070117
1,1,1-Trichloroethane	ND		5.0	2.5	µg/L	N/A	N/A	1/17/2007	WM1070117
1,1,2-Trichloroethane	ND		5.0	2.5	µg/L	N/A	N/A	1/17/2007	WM1070117
Trichloroethene	ND		5.0	2.5	µg/L	N/A	N/A	1/17/2007	WM1070117
Trichlorofluoromethane	ND		5.0	2.5	µg/L	N/A	N/A	1/17/2007	WM1070117
Vinyl Chloride	ND		5.0	2.5	µg/L	N/A	N/A	1/17/2007	WM1070117

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	101	60 - 130
Dibromofluoromethane	93.4	60 - 130
Toluene-d8	99.8	60 - 130

Analyzed by: XBian
Reviewed by: MaiChiTu

Detection Limit = Detection Limit for Reporting.
D/P-F = Dilution and/or Prep Factor includes sample volume adjustments.
ND = Not Detected at or above the Detection Limit.
Qual = Data Qualifier

Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054 Phone: (408) 588-0200 Fax: (408) 588-0201

Method Blank - Liquid - VOCs: EPA 5030C / EPA 8260B for Groundwater and Water - EPA 624 for Wastewater

QC Batch ID: WM1070117

Validated by: MaiChiTu - 01/18/07

QC Batch Analysis Date: 1/17/2007

Parameter	Result	DF	PQLR	Units
1,1,1-Trichloroethane	ND	1	0.50	µg/L
1,1,2,2-Tetrachloroethane	ND	1	0.50	µg/L
1,1,2-Trichloroethane	ND	1	0.50	µg/L
1,1-Dichloroethane	ND	1	0.50	µg/L
1,1-Dichloroethene	ND	1	0.50	µg/L
1,2-Dichlorobenzene	ND	1	0.50	µg/L
1,2-Dichloroethane	ND	1	0.50	µg/L
1,2-Dichloropropane	ND	1	0.50	µg/L
1,3-Dichlorobenzene	ND	1	0.50	µg/L
1,4-Dichlorobenzene	ND	1	0.50	µg/L
2-Chloroethyl-vinyl Ether	ND	1	5.0	µg/L
Benzene	ND	1	0.50	µg/L
Bromodichloromethane	ND	1	0.50	µg/L
Bromoform	ND	1	0.50	µg/L
Bromomethane	ND	1	0.50	µg/L
Carbon Tetrachloride	ND	1	0.50	µg/L
Chlorobenzene	ND	1	0.50	µg/L
Chloroethane	ND	1	0.50	µg/L
Chloroform	ND	1	0.50	µg/L
Chloromethane	ND	1	0.50	µg/L
cis-1,3-Dichloropropene	ND	1	0.50	µg/L
Dibromochloromethane	ND	1	0.50	µg/L
Ethyl Benzene	ND	1	0.50	µg/L
Methylene Chloride	ND	1	20	µg/L
Tetrachloroethene	ND	1	0.50	µg/L
Toluene	ND	1	0.50	µg/L
trans-1,2-Dichloroethene	ND	1	0.50	µg/L
trans-1,3-Dichloropropene	ND	1	0.50	µg/L
Trichloroethene	ND	1	0.50	µg/L
Trichlorofluoromethane	ND	1	0.50	µg/L
Vinyl Chloride	ND	1	0.50	µg/L

Surrogate for Blank	% Recovery	Control Limits
4-Bromofluorobenzene	**93.8**	70 - 125
Dibromofluoromethane	**85.5**	70 - 125
Toluene-d8	**101**	70 - 125

Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054 Phone: (408) 588-0200 Fax: (408) 588-0201

LCS / LCSD - Liquid - VOCs: EPA 5030C / EPA 8260B for Groundwater and Water - EPA 624 for Wastewater

QC Batch ID: WM1070117

Reviewed by: MaiChiTu - 01/18/07

QC Batch ID Analysis Date: 1/17/2007

LCS

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	Recovery Limits
1,1-Dichloroethene	<0.50	20	19.6	µg/L	98.0	70 - 130
Benzene	<0.50	20	19.7	µg/L	98.5	70 - 130
Chlorobenzene	<0.50	20	20.0	µg/L	100	70 - 130
Methyl-t-butyl Ether	<1.0	20	19.1	µg/L	95.5	70 - 130
Toluene	<0.50	20	18.9	µg/L	94.5	70 - 130
Trichloroethene	<0.50	20	20.6	µg/L	103	70 - 130

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	**98.7**	60 - 130
Dibromofluoromethane	**90.0**	60 - 130
Toluene-d8	**92.6**	60 - 130

LCSD

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	RPD	RPD Limits	Recovery Limits
1,1-Dichloroethene	<0.50	20	19.0	µg/L	95.0	3.1	25.0	70 - 130
Benzene	<0.50	20	19.1	µg/L	95.5	3.1	25.0	70 - 130
Chlorobenzene	<0.50	20	20.4	µg/L	102	2.0	25.0	70 - 130
Methyl-t-butyl Ether	<1.0	20	18.4	µg/L	92.0	3.7	25.0	70 - 130
Toluene	<0.50	20	19.2	µg/L	96.0	1.6	25.0	70 - 130
Trichloroethene	<0.50	20	20.5	µg/L	102	0.49	25.0	70 - 130

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	**95.1**	60 - 130
Dibromofluoromethane	**88.5**	60 - 130
Toluene-d8	**93.2**	60 - 130

Chain of Custody Record

ALLTERRA
849 Almar Avenue, Suite C, #281

Website: www.allterraenv.com
Phone: (831) 425-2608 Facsimile: (831) 425-2609

Turn Around Time (circle one) RUSH 24HR 48HR 72HR (5 Day)

Report and Bill to: Allterra Environmental, Inc.
Project Number: 015-01-015
Project Location: 160 HOLMES ST.
Project Name: 53492
Sampler Signature:

Sample ID	Sample Collection		Sample Containers		Matrix					Preservation				TPHg, BTEX,MTBE(EPA 8015M/8020)	TPHd, (EPA 8015m)	MTBE (EPA 8260B)	Five Fuel Oxys,(EPA 8260)	Ethanol and Methanol (EPA 8260)	Lead Scavengers (8260)	Total HVOCs (EPA 8260)	Hardness/Total dissolved solids	TTO'S METHOD 624	LUFT 5 Metals (EPA 6010/6020)	PAH's/ PNA's (EPA 8270,625/8310)	Fish Toxicity/Bioassay	Lead (EPA 6010/200.9/200.8)	METALS BY (EPA 200 SERIES)	EDF required
	Date	Time	Number of Containers	Container Type	Air	Water	Soil	Sludge	Other	Ice	HCl	HNO_3	Other																
TANK-1	1/16/07	-001	3	VOA		X				X	X											X						X

	######## 1/17/07	Time: 1150	Received By: Amachado
Received By:	Date:	Time:	Received By:
Received By:	Date:	Time:	Received By:

Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054 Phone: (408) 588-0200 Fax: (408) 588-0201

James Allen
Allterra Environmental, Inc.
849 Almar Avenue Suite C,#281
Santa Cruz, CA 95060

Lab Certificate Number: 53840
Issued: 02/26/2007

Project Number: 002-01-004
Project Location: 444 E. Taylor

Global ID: T0608502375

Certificate of Analysis-Revision

Note: This is a revision of the original report issued on 2/15/2007. This report only contains sample 53840-001 (Tank-1) per the client's request.

On February 08, 2007, samples were received under chain of custody for analysis.
Entech analyzes samples "as received" unless otherwise noted. The following results are included:

Matrix	Test / Comments
Liquid	Electronic Deliverables for Geotracker
	VOCs: EPA 5030C / EPA 8260B for Groundwater and Water - EPA 624 for Wastewater

Entech Analytical Labs, Inc. is certified for environmental analyses by the State of California (#2346).
If you have any questions regarding this report, please call us at 408-588-0200 ext. 225.

Sincerely,

C. L. Thom
Laboratory Director

Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054 Phone: (408) 588-0200 Fax: (408) 588-0201

Allterra Environmental, Inc.
849 Almar Avenue Suite C,#281
Santa Cruz, CA 95060
Attn: James Allen

Project Number: 002-01-004

Project Location: 444 E. Taylor
GlobalID: T0608502375

Certificate of Analysis - Data Report

Samples Received: 02/08/2007
Sample Collected by: Client

Lab # : 53840-001 Sample ID: Tank-1 Matrix: Liquid Sample Date: 2/7/2007

VOCs: EPA 5030C / EPA 8260B for Groundwater and Water - EPA 624 for Wastewater

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Benzene	ND		2.0	1.0	µg/L	N/A	N/A	2/12/2007	WM1070212
Bromodichloromethane	ND		2.0	1.0	µg/L	N/A	N/A	2/12/2007	WM1070212
Bromoform	ND		2.0	1.0	µg/L	N/A	N/A	2/12/2007	WM1070212
Bromomethane	ND		2.0	1.0	µg/L	N/A	N/A	2/12/2007	WM1070212
Carbon Tetrachloride	ND		2.0	1.0	µg/L	N/A	N/A	2/12/2007	WM1070212
Chlorobenzene	ND		2.0	1.0	µg/L	N/A	N/A	2/12/2007	WM1070212
Chloroethane	ND		2.0	1.0	µg/L	N/A	N/A	2/12/2007	WM1070212
2-Chloroethyl-vinyl Ether	ND		2.0	10	µg/L	N/A	N/A	2/12/2007	WM1070212
Chloroform	ND		2.0	1.0	µg/L	N/A	N/A	2/12/2007	WM1070212
Chloromethane	ND		2.0	1.0	µg/L	N/A	N/A	2/12/2007	WM1070212
Dibromochloromethane	ND		2.0	1.0	µg/L	N/A	N/A	2/12/2007	WM1070212
1,2-Dichlorobenzene	ND		2.0	1.0	µg/L	N/A	N/A	2/12/2007	WM1070212
1,3-Dichlorobenzene	ND		2.0	1.0	µg/L	N/A	N/A	2/12/2007	WM1070212
1,4-Dichlorobenzene	ND		2.0	1.0	µg/L	N/A	N/A	2/12/2007	WM1070212
1,1-Dichloroethane	ND		2.0	1.0	µg/L	N/A	N/A	2/12/2007	WM1070212
1,2-Dichloroethane	ND		2.0	1.0	µg/L	N/A	N/A	2/12/2007	WM1070212
1,1-Dichloroethene	ND		2.0	1.0	µg/L	N/A	N/A	2/12/2007	WM1070212
trans-1,2-Dichloroethene	ND		2.0	1.0	µg/L	N/A	N/A	2/12/2007	WM1070212
1,1,2,2-Tetrachloroethane	ND		2.0	1.0	µg/L	N/A	N/A	2/12/2007	WM1070212
Tetrachloroethene	ND		2.0	1.0	µg/L	N/A	N/A	2/12/2007	WM1070212
Toluene	ND		2.0	1.0	µg/L	N/A	N/A	2/12/2007	WM1070212
1,1,1-Trichloroethane	ND		2.0	1.0	µg/L	N/A	N/A	2/12/2007	WM1070212
1,1,2-Trichloroethane	ND		2.0	1.0	µg/L	N/A	N/A	2/12/2007	WM1070212
Trichloroethene	ND		2.0	1.0	µg/L	N/A	N/A	2/12/2007	WM1070212
Trichlorofluoromethane	ND		2.0	1.0	µg/L	N/A	N/A	2/12/2007	WM1070212
Vinyl Chloride	ND		2.0	1.0	µg/L	N/A	N/A	2/12/2007	WM1070212
Methyl-t-butyl Ether	**370**	E	2.0	2.0	µg/L	N/A	N/A	2/12/2007	WM1070212

E=Estimated value-This value was out of the instrument's calibration range. It is Entech's policy to report any analyte found to be >20X the reporting limit.

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	114	60 - 130
Dibromofluoromethane	112	60 - 130
Toluene-d8	109	60 - 130

Analyzed by: XBian
Reviewed by: Tfulton

*** Sample diluted due to high concentration of non-target compounds.

Detection Limit = Detection Limit for Reporting.
D/P-F = Dilution and/or Prep Factor includes sample volume adjustments.
ND = Not Detected at or above the Detection Limit.
Qual = Data Qualifier

Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054 Phone: (408) 588-0200 Fax: (408) 588-0201

Method Blank - Liquid - VOCs: EPA 5030C / EPA 8260B for Groundwater and Water - EPA 624 for Wastewater

QC Batch ID: WM1070212

Validated by: TFulton - 02/13/07

QC Batch Analysis Date: 2/12/2007

Parameter	Result	DF	PQLR	Units
1,1,1-Trichloroethane	ND	1	0.50	µg/L
1,1,2,2-Tetrachloroethane	ND	1	0.50	µg/L
1,1,2-Trichloroethane	ND	1	0.50	µg/L
1,1-Dichloroethane	ND	1	0.50	µg/L
1,1-Dichloroethene	ND	1	0.50	µg/L
1,2-Dichlorobenzene	ND	1	0.50	µg/L
1,2-Dichloroethane	ND	1	0.50	µg/L
1,3-Dichlorobenzene	ND	1	0.50	µg/L
1,4-Dichlorobenzene	ND	1	0.50	µg/L
2-Chloroethyl-vinyl Ether	ND	1	5.0	µg/L
Benzene	ND	1	0.50	µg/L
Bromodichloromethane	ND	1	0.50	µg/L
Bromoform	ND	1	0.50	µg/L
Bromomethane	ND	1	0.50	µg/L
Carbon Tetrachloride	ND	1	0.50	µg/L
Chlorobenzene	ND	1	0.50	µg/L
Chloroethane	ND	1	0.50	µg/L
Chloroform	ND	1	0.50	µg/L
Chloromethane	ND	1	0.50	µg/L
Dibromochloromethane	ND	1	0.50	µg/L
Methyl-t-butyl Ether	ND	1	1.0	µg/L
Tetrachloroethene	ND	1	0.50	µg/L
Toluene	ND	1	0.50	µg/L
trans-1,2-Dichloroethene	ND	1	0.50	µg/L
Trichloroethene	ND	1	0.50	µg/L
Trichlorofluoromethane	ND	1	0.50	µg/L
Vinyl Chloride	ND	1	0.50	µg/L

Surrogate for Blank	% Recovery	Control Limits
4-Bromofluorobenzene	**99.1**	70 - 125
Dibromofluoromethane	**97.0**	70 - 125
Toluene-d8	**107**	70 - 125

Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054 Phone: (408) 588-0200 Fax: (408) 588-0201

LCS / LCSD - Liquid - VOCs: EPA 5030C / EPA 8260B for Groundwater and Water - EPA 624 for Wastewater

QC Batch ID: WM1070212 Reviewed by: TFulton - 02/13/07

QC Batch ID Analysis Date: 2/12/2007

LCS

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	Recovery Limits
1,1-Dichloroethene	<0.50	20	21.0	µg/L	105	70 - 130
Benzene	<0.50	20	22.3	µg/L	112	70 - 130
Chlorobenzene	<0.50	20	22.4	µg/L	112	70 - 130
Methyl-t-butyl Ether	<1.0	20	22.0	µg/L	110	70 - 130
Toluene	<0.50	20	21.2	µg/L	106	70 - 130
Trichloroethene	<0.50	20	22.0	µg/L	110	70 - 130

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	**105.0**	60 - 130
Dibromofluoromethane	**98.4**	60 - 130
Toluene-d8	**96.9**	60 - 130

LCSD

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	RPD	RPD Limits	Recovery Limits
1,1-Dichloroethene	<0.50	20	18.1	µg/L	90.5	15	25.0	70 - 130
Benzene	<0.50	20	19.0	µg/L	95.0	16	25.0	70 - 130
Chlorobenzene	<0.50	20	19.1	µg/L	95.5	16	25.0	70 - 130
Methyl-t-butyl Ether	<1.0	20	19.1	µg/L	95.5	14	25.0	70 - 130
Toluene	<0.50	20	18.2	µg/L	91.0	15	25.0	70 - 130
Trichloroethene	<0.50	20	18.6	µg/L	93.0	17	25.0	70 - 130

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	**102.0**	60 - 130
Dibromofluoromethane	**94.9**	60 - 130
Toluene-d8	**98.8**	60 - 130

Chain of Custody Record

ALLTERRA
849 Almar Avenue, Suite C, #281
Website: www.allterraenv.com
Phone: (831) 425-2608 Facsimile: (831) 425-2609

Turn Around Time (circle one) RUSH 24HR 48HR 72HR (5 Day)

Report and Bill to: Allterra Environmental, Inc.
Project Number: 015-01-160
Project Location: 160 Holmes
Project Name: Livermore 53840
Sampler Signature:

Sample ID	Sample Collection		Sample Containers		Matrix					Preservation				TPHg, BTEX&MTBE (EPA 624TTOs)+MTBE	TPHd (EPA 8015)	MTBE (EPA 8260B)	5 -fuel oxys (EPA 8260)	Ethanol and Methanol (EPA 8260)	Lead Scavengers (8260)	Total HVOCs (EPA 8260)	Hardness/Total dissolved solids	CAM-17 Metals (EPA 6010/6020)	LUFT 5 Metals (EPA 6010/6020)	PAH's/ PNA's (EPA 8270,625/8310)	Fish Toxicity/Bioassay	Lead (EPA 6010/200.9/200.8)	TTO's method 624	EDF required
	Date	Time	Number of Containers	Container Type	Air	Water	Soil	Sludge	Other	Ice	HCl	HNO_3	Other															
Tank-1	2/7/07		4	VOAS		X				X	X			-001													X	
Tank-1(1)	2-607		3	VOAS		X				X	X			-002													X	

Comments: TTOs by EPA 624

Received By:	Date: 2/8/07	Time: 1415	Received By:
Received By:	Date:	Time:	Received By:
Received By:	Date:	Time:	Received By: