ALLTERRA

June 7, 2007

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

Subject: **Second 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 Second Quarter 2007 Groundwater Monitoring Report. Should you have any questions or comments please contact Allterra at (831) 425-2608.

Sincerely,
Allterra Environmental, Inc.

Michael Killoran, PG 6670
Senior Geologist

enclosures: Second Quarter 2007 Groundwater Monitoring and Interim Remedial Progress Report

Second 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:
June 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.
849 Almar Avenue, Suite C, No. 281
Santa Cruz, California 95060

Phone: (831) 425-2608
Fax: (831) 425-2609
http://www.allterraenv.com

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

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

Subject: Second 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 second 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 April 13 and 16, 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). 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. 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 second quarter 2007, eleven monitoring 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 eleven 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 April 13, 2007, Allterra personnel measured and recorded depths to groundwater from the tops of well casings (TOC) for monitoring wells MW-1 through MW-7C. Recorded depths to groundwater ranged from 23.16 to 25.33 feet below ground surface (bgs). Groundwater elevation data are summarized in Table 1 and depicted in Figure 3 as groundwater elevation contours. For the April 2007 groundwater monitoring event, groundwater appeared to flow northwest at a gradient of approximately 0.006 feet per foot (ft/ft).

Analytical Results

For the April 2007 monitoring event, fuel-related compounds were detected in six of eleven wells sampled this quarter. Dissolved TPHg was detected in four wells at concentrations ranging from 86 micrograms per liter (µg/L) in MW-2A to 28,000 µg/L in MW-1A. TPHd was detected in three wells at concentrations ranging from 130 µg/L to 3,000 µg/L in wells MW-2A and MW-1A, respectively. Benzene was detected in two wells at concentrations of 17 µg/L and 1,600 µg/L in wells MW-7A and MW-1A, respectively. Well samples indicated the presence of MTBE in six wells at levels ranging from 0.51 µg/L in well MW-4A to 200,000 µg/L in well MW-1A. TBA was detected in three of eleven wells at concentrations ranging from 740 µg/L to 10,000 µg/L in wells MW-2A 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 23,505 gallons of impacted groundwater from extraction well EW-1. The first phase of extraction (Batch 7) was completed

on March 13, 2007 and consisted of extracting approximately 6,000 gallons of groundwater from on-site well EW-1. A second phase of extraction (Batch 8) occurred on March 29, 2007 and consisted of extracting approximately 6,000 gallons of groundwater from extraction well EW-1. The third phase (Batch 9) of extraction totaled 5,505 gallons and was completed on April 17, 2007. The fourth and final phase for this period of extraction (Batch 10) totaled 6,000 gallons and was completed on May 24, 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 March 13, March 29, April 17, and May 24, 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.

Water samples were collected from the on-site holding tank on March 13, March 29, April 27, and May 24, 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 17,505 gallons of groundwater were discharged to the sanitary sewer under City of Livermore Wastewater Discharge Permit. Approximately 6,000 gallons of water remain in the holding tank pending discharge. Field data sheets from discharge activities are included in Appendix B.

Interim Cleanup Results
Sample Analytical Data
Analytical results for the four influent samples (IN-1) indicated elevated concentrations of petroleum hydrocarbons. TPHg was detected at levels as high as 4,900 µg/L (March 13, 2007), benzene was detected as high as 250 µg/L (March 29, 2007), and MTBE was detected at levels as high as 19,000 µg/L (March 13 and March 29, 2007).

Analytical results for the four tank samples (Tank-1) indicated that analytes were not detected at or above laboratory detection limits, with the exception of TBA and MTBE. TBA was detected in three of the four tank samples, at levels as high as 1,600 µg/L (May 24, 2007). MTBE was detected in all four tank samples, at a maximum concentration of 480 µg/L (May 24, 2007). 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.

In compliance with the City of Livermore wastewater discharge permit, the sum of TTOs cannot exceed a combined total of 1,000 µg/L. Since the combined MTBE and TBA concentrations in

the fourth tank sample (May 24, 2007) exceed the 1,000 µg/L limit, additional treatment and testing will be completed to verify that the wastewater remaining in the holding tank (Batch 10) is in compliance prior to discharge.

Groundwater Extraction Volumes and Contaminant Mass Removal Estimates
Between March 13 and May 24, 2007, approximately 23,505 gallons of groundwater were extracted from well EW-1 at an average flow rate of 13.2 gallons per minute (gpm). Using groundwater extraction volumes and influent sample data, approximately 0.52 pounds of TPHg, 0.032 pounds of benzene, and 2.69 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 northwest with a gradient of 0.006 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 (10,000 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 23,505 gallons of groundwater were extracted between March 13 and May 24, 2007, resulting in the removal of an estimated 0.52 pounds of TPHg, 0.038 pounds of benzene, and 2.69 pounds of MTBE. During this period, four extraction batches were completed, bringing the total to ten batches.

- Since groundwater extraction from well EW-1 was initiated in 2006, analytical data from the previous remedial period of extraction batches (Dec. 14, 2006 through February 7, 2007) indicates a substantial general increase in dissolved-phase removal. High dissolved phase removal continued during the current remedial period; however, contaminant levels in the last extraction batch (May 24, 2007) dropped to an historic low concentration.

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.

James Allen, R.E.A. II
Project Manager

Michael Killoran, P.G. 6670
Senior Geologist

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

List of Figures
Figure 1, Site Vicinity Map
Figure 2, Site Plan
Figure 3, Groundwater Potentiometric Map for 4/13/2007
Figure 4, Concentrations of Fuel-Related Hydrocarbons in Groundwater

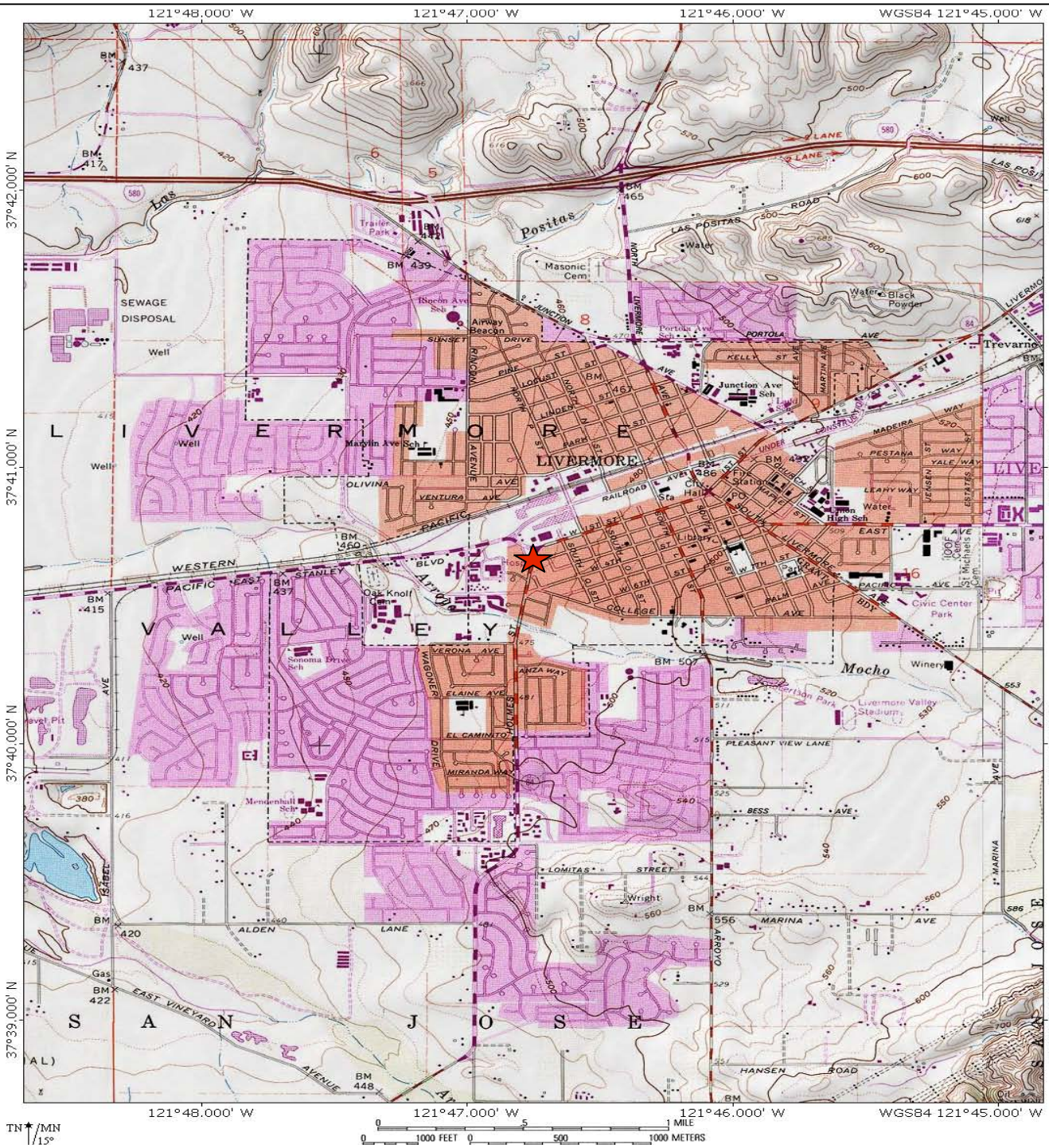
List of Tables
Table 1, Groundwater Elevation Data
Table 2, Groundwater Analytical Results
Table 3, Influent Groundwater Analytical Results
Table 4, EPA Method 624 Analytical Results for Discharge
Table 5, Contaminant Mass Removal Data

List of Appendices

Appendix A, Groundwater Monitoring Field Protocol
Appendix B, Groundwater Sampling Field Logs and Interim Remedial Cleanup Field Logs
Appendix C, Certified Analytical Reports and Chain of Custody

cc: Jerry Wickham, ACEHS

FIGURES 1-4



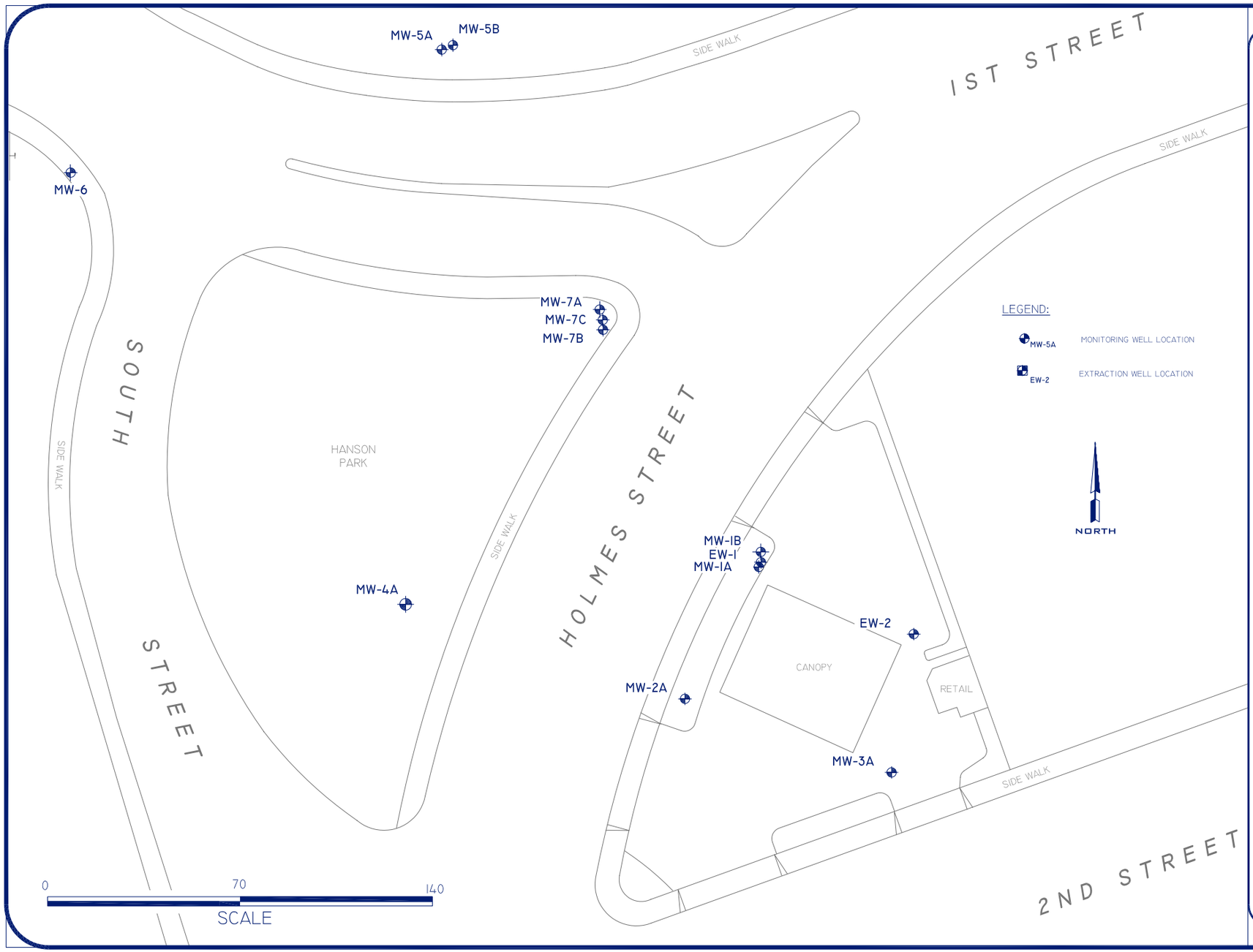
Vicinity Map

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

Figure 1

3/31/06

ALLTERRA
849 Almar Avenue, Suite C, No. 281
Santa Cruz, California
http://www.allterraenv.com



General Notes

STAMP

160 HOLMES STREET
SOIL AND GROUNDWATER INVESTIGATION AND REMEDIATION PROJECT

PREPARED BY:

No.	Revision/Issue	Date
0	DRAFT/REVIEW	4/26

Firm Name and Address

ALLTERRA ENVIRONMENTAL, INC.

849 ALMAR AVE., SUITE C, No. 281
SANTA CRUZ, CALIFORNIA
831-425-2608 FAX 831-425-2609
WWW.ALLTERRAENV.COM

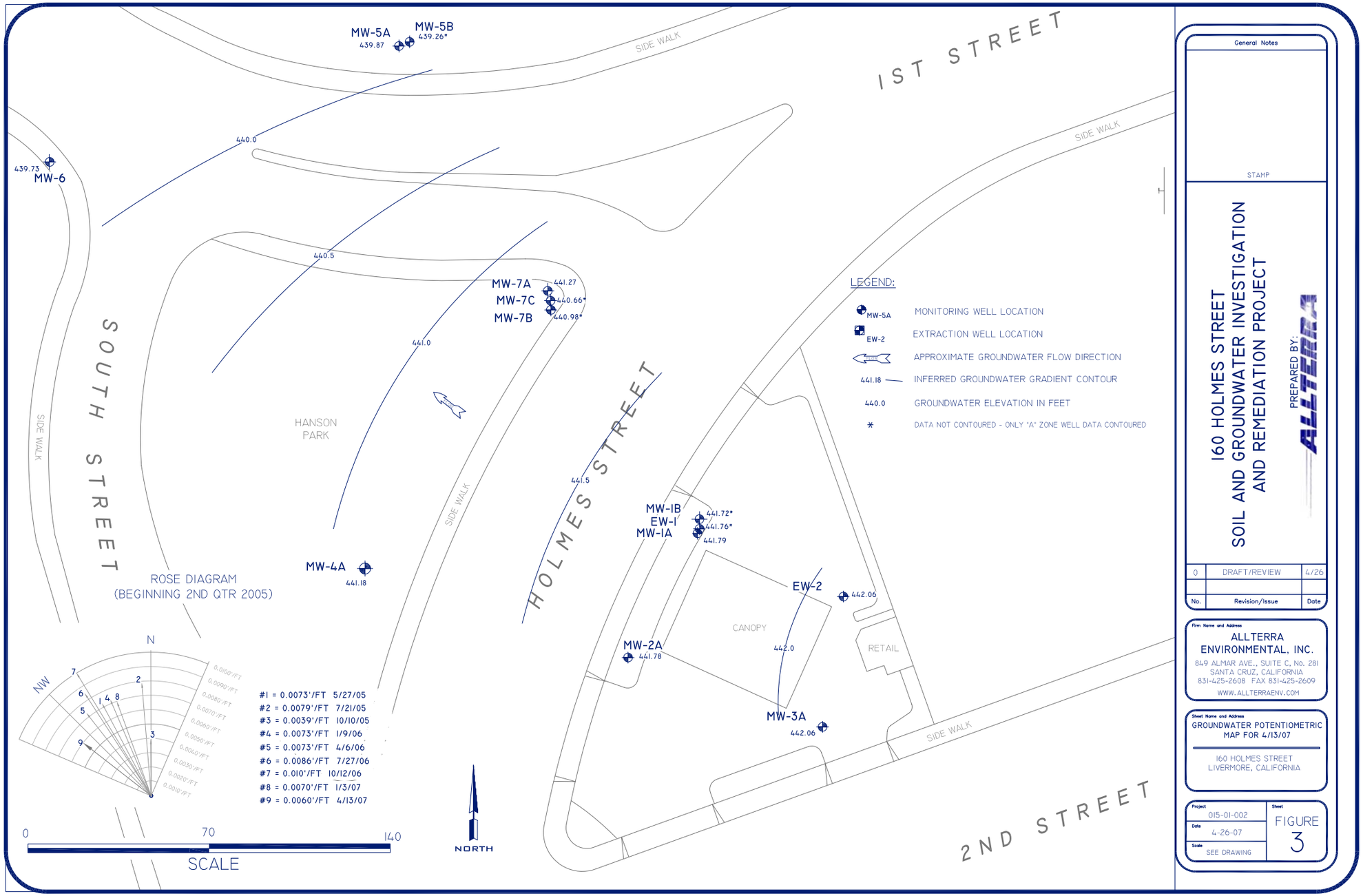
Sheet Name and Address

SITE PLAN

160 HOLMES STREET
LIVERMORE, CALIFORNIA

Project	Sheet
015-01-002	FIGURE 2
Date: 4-26-07	
Scale: SEE DRAWING	

FNAME
REVDATE
USER



General Notes

STAMP

160 HOLMES STREET
SOIL AND GROUNDWATER INVESTIGATION AND REMEDIATION PROJECT

PREPARED BY: ALLTERRA

No.	Revision/Issue	Date
0	DRAFT/REVIEW	4/26

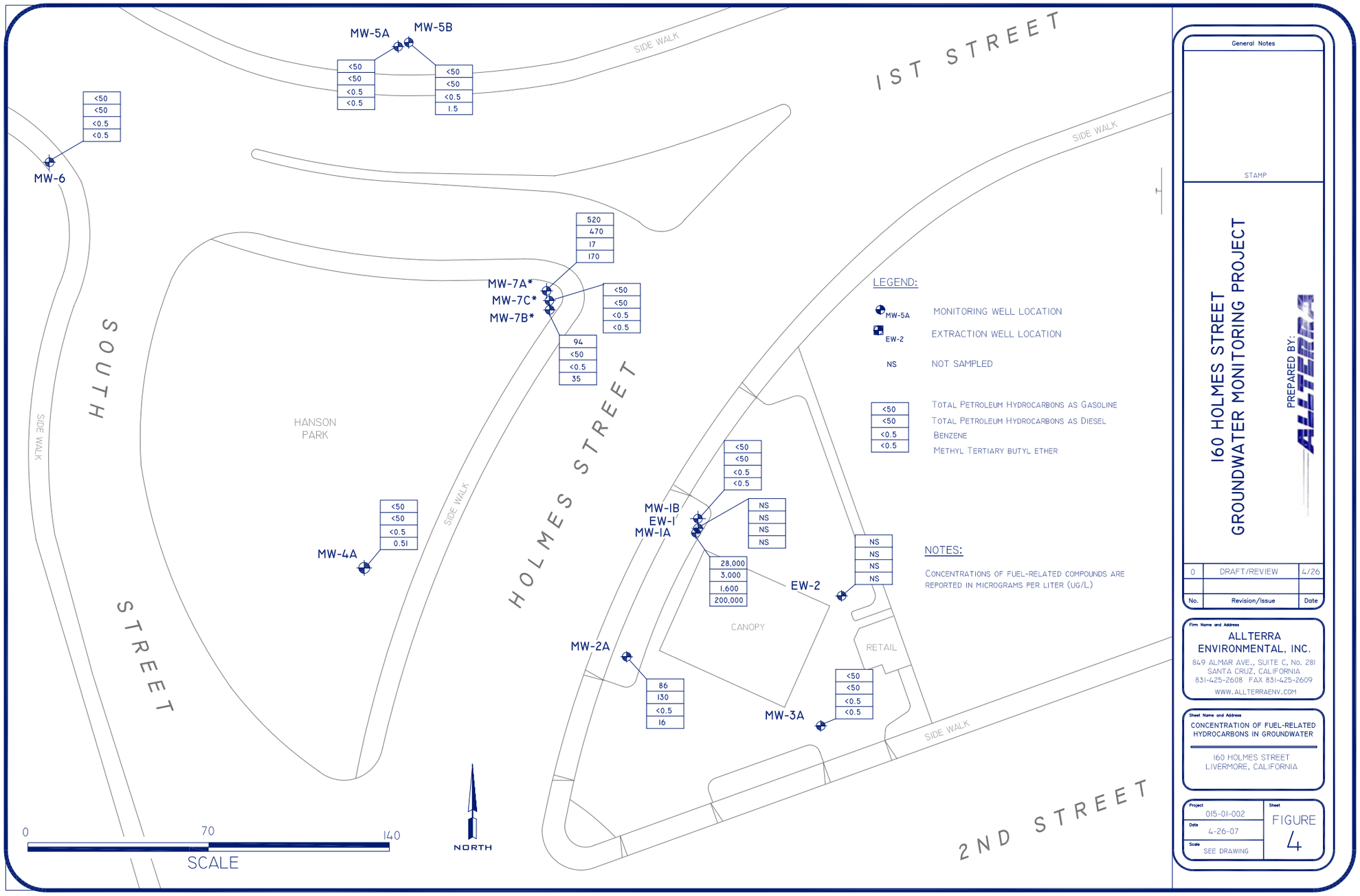
Firm Name and Address
ALLTERRA ENVIRONMENTAL, INC.
849 ALMAR AVE., SUITE C, No. 281
SANTA CRUZ, CALIFORNIA
831-425-2608 FAX 831-425-2609
WWW.ALLTERRAENV.COM

Sheet Name and Address
GROUNDWATER POTENTIOMETRIC MAP FOR 4/13/07

160 HOLMES STREET
LIVERMORE, CALIFORNIA

Project	Sheet
015-01-002	FIGURE 3
Date: 4-26-07	
Scale: SEE DRAWING	

FNAME
REVDATE
USER



General Notes

STAMP

160 HOLMES STREET GROUNDWATER MONITORING PROJECT

PREPARED BY: ALLTERRA

No.	Revision/Issue	Date
0	DRAFT/REVIEW	4/26

Firm Name and Address
ALLTERRA ENVIRONMENTAL, INC.
849 ALMAR AVE., SUITE C, No. 281
SANTA CRUZ, CALIFORNIA
831-425-2608 FAX 831-425-2609
WWW.ALLTERRAENV.COM

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

160 HOLMES STREET
LIVERMORE, CALIFORNIA

Project	Sheet
015-01-002	FIGURE 4
Date: 4-26-07	
Scale: SEE DRAWING	

FNAME
REVDATE
USER

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
	4/13/07	**465.03**		**23.24**	**441.79**
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
	4/13/07	**465.02**		**23.30**	**441.72**
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
	4/13/07	**464.94**		**23.16**	**441.78**
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
	4/13/07	**465.84**		**23.78**	**442.06**
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
	4/13/07	**464.96**		**23.78**	**441.18**

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
	4/13/07	**464.64**		**24.77**	**439.87**
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
	4/13/07	**464.59**		**25.33**	**439.26**
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
	4/13/07	**464.13**		**24.40**	**439.73**

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
	4/13/07	**465.32**		**24.05**	**441.27**
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
	4/13/07	**465.39**		**24.41**	**440.98**
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
	4/13/07	**465.39**		**24.73**	**440.66**
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
	4/13/07	**465.45**		**23.69**	**441.76**
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
	4/13/07	**465.99**		**23.93**	**442.06**
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
	4/13/07	**441.79**	**28,000**	**3,000**	**1,600**	**74**	**3,700**	**1,800**	**190,000**	**<5,000**	**<50,000**	**<5,000**	**<5,000**	**200,000**	**<500,000**	**<5,000,000**	**<5,000**	**<5,000**
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
	4/13/07	**441.72**	**<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

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.)	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
	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
	4/13/07	**441.78**	**86**	**130**	**<0.5**	**0.60**	**<0.5**	**<0.5**	**16**	**<5.0**	**740**	**<5.0**	**<5.0**	**16**	**<500**	**<5,000**	**<5.0**	**<5.0**
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
	4/13/07	**442.06**	**<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**

ALLTERRA

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**	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
	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
	4/16/07	**441.18**	**<50**	**<50**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<5.0**	**<0.5**	**<5.0**	**<0.5**	**<0.5**	**0.51**	**<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

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-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
	4/16/07	**439.87**	**<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-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
	4/16/07	**439.26**	**<50**	**<50**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<5.0**	**<0.5**	**<5.0**	**<0.5**	**<0.5**	**1.5**	**<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
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
	4/16/07	**439.73**	**<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
	4/16/07	**441.27**	**520**	**470**	**17**	**5.6**	**2.6**	**0.88**	**140**	**<12**	**2,500**	**<12**	**<12**	**170**	**<1,200**	**<12,000**	**<12**	**<12**

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-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
	4/16/07	**440.98**	**94**	**<50**	**<0.5**	**2.6**	**<0.5**	**<0.5**	**35**	**<50**	**10,000**	**<50**	**<50**	**<50**	**<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
	4/16/07	**440.66**	**<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**
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
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
	4/13/07	**441.76**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**

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-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
	4/13/07	**442.06**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**
B1	2/2/01	30	650,000	13,000	6,300	10000.0	<2,500	12,000	290,000	NA	NA	NA	NA	NA	NA	NA	NA	NA
B2	2/2/01	30	56	<0.5	<0.5	<0.5	<0.5	<0.5	47	NA	NA	NA	NA	NA	NA	NA	NA	NA
B3	2/2/01	30	6,200	NA	<50	<50	<50	<50	3,800	NA	NA	NA	NA	NA	NA	NA	NA	NA
B4	2/2/01	30	12,000	NA	<50	<50	<50	<50	6,000	NA	NA	NA	NA	NA	NA	NA	NA	NA
B5	2/2/01	30	<25,000	960	<250	<250	<250	<250	16,000	NA	NA	NA	NA	NA	NA	NA	NA	NA
MB-1-A	11/10/01	28	21,000	4,300	970	<25	3,300	1200	NA	<2,500	<25,000	<2,500	<2,500	100,000	NA	NA	NA	NA
MB-1-B	11/10/01	50	470	210	7.8	0.97	31	48	NA	<25	<250	<25	<25	1,500	NA	NA	NA	NA
MB-1-C	11/10/01	70	990	NA	17	1.3	89	160	NA	<25	<250	<25	<25	1,200	NA	NA	NA	NA
MB-2-A	11/9/01	28	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	<0.5	<5.0	<0.5	<0.5	<0.5	NA	NA	NA	NA
MB-2-B	11/10/01	50	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	<0.5	<5.0	<0.5	<0.5	<0.5	NA	NA	NA	NA
MB-3-A	11/10/01	28	40,000	41,000	120	130	1,700	2,800	NA	<50	2,500	<50	<50	<4,500	NA	NA	NA	NA
MB-3-B	11/13/01	50	1,400	210	0.93	9.3	14	27	NA	<50	6,200	<50	<50	190	NA	NA	NA	NA
MB-3-C	11/13/01	70	930	260	1.7	3.8	33	100	NA	<100	16,000	<100	<100	330	NA	NA	NA	NA
DB-1-A	11/9/01	28	160	NA	<0.5	<0.5	<0.5	<0.5	NA	<1.7	<17	<1.7	<1.7	86	NA	NA	NA	NA
DB-2-A	11/10/01	28	<50	<50	<0.5	<0.5	<0.5	<0.5	NA	<0.5	<5.0	<0.5	<0.5	<0.5	NA	NA	NA	NA
DB-3-A	11/13/01	28	<50	51	<0.5	<0.5	<0.5	<0.5	NA	<0.5	<5.0	<0.5	<0.5	<0.5	NA	NA	NA	NA
DB-4-A	11/13/01	28	<50	57	<0.5	<0.5	<0.5	<0.5	NA	<0.5	<5.0	<0.5	<0.5	<0.5	NA	NA	NA	NA
DB-5-A	11/10/01	28	<50	910	<0.5	<0.5	<0.5	<0.5	NA	<0.5	<5.0	<0.5	<0.5	<0.5	NA	NA	NA	NA
B-1-A	11/9/01	28	<50	230	<0.5	<0.5	<0.5	<0.5	NA	<0.5	<5.0	<0.5	<0.5	28	NA	NA	NA	NA
B-2-A	11/9/01	28	25,000	6,200	900	<50	2,000	2,600	NA	<1,700	<17,000	<1,700	<1,700	80,000	NA	NA	NA	NA
B-3-A	11/9/01	28	42,000	14,000	530	140	2,400	7,800	NA	<500	<5,000	<500	<500	19,000	NA	NA	NA	NA
HP-1-A	11/13/01	28	<50	NA	<0.5	<0.5	<0.5	0.80	NA	<50	24	<50	<50	12	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
GP-1	1/10/07	28	270	--	<0.5	<0.5	2.6	0.85	61	--	--	--	--	--	--	--	--	--
GP-2	1/10/07	28	2,000	--	61	46	93	280	2,600	--	--	--	--	--	--	--	--	--
GP-3	1/10/07	28	11,000	--	38	27	1,100	980	37,000	--	--	--	--	--	--	--	--	--
GP-4	1/10/07	28	20,000	--	820	260	1,400	3,200	35,000	--	--	--	--	--	--	--	--	--
GP-5	1/10/07	28	4,100	--	64	6.6	13	550	780	--	--	--	--	--	--	--	--	--
GP-6	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
GP-6A	1/11/07	28	11,000	--	360	150	1,500	480	6,100	--	--	--	--	--	--	--	--	--
GP-7	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
GP-8	1/10/07	28	61,000	--	2,800	490	2,600	4,400	190,000	--	--	--	--	--	--	--	--	--
GP-9	1/10/07	28	100,000	--	5,600	3,400	3,500	24,000	260,000	--	--	--	--	--	--	--	--	--
GP-10	1/10/07	28	44,000	--	2,400	590	3,600	3,300	92,000	--	--	--	--	--	--	--	--	--
GP-11	1/11/07	28	550	--	1.4	1.3	2.1	36	110	--	--	--	--	--	--	--	--	--
GP-12	1/11/07	28	15,000	--	68	20	1,800	94	6,600	--	--	--	--	--	--	--	--	--
GP-13	1/11/07	28	88,000	--	5,100	<50	5,500	7,400	87,000	--	--	--	--	--	--	--	--	--
GP-14	1/11/07	28	210,000	--	11,000	26,000	4,600	21,000	1,500,000	--	--	--	--	--	--	--	--	--
GP-15	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
GP-16	1/11/07	28	160	--	5.2	3.2	18	7.5	210	--	--	--	--	--	--	--	--	--
GP-17	1/11/07	28	460	--	7.7	4.8	8.0	7.4	790	--	--	--	--	--	--	--	--	--
GP-18	1/11/07	28	35,000	--	250	72	2,800	380	13,000	--	--	--	--	--	--	--	--	--
GP-19	1/11/07	28	430	--	8.9	1.6	24	31	430	--	--	--	--	--	--	--	--	--

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.

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
In-1	3/13/07	4,900	230	150	320	600	19,000
In-1	3/29/07	3,400	250	99	310	480	19,000
In-1	4/17/07	2,200	160	26	200	170	16,000
In-1	5/24/07	130	10	<0.5	8.2	2.7	1,200

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

ALLTERRA

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	NA	NA
10/13/06	ND	310	NA
11/21/06	ND	<1.0	NA
12/14/06	ND	20	570
1/16/07	ND	<1.0	NA
2/7/07	ND	370	NA
3/13/07	ND	430	190
3/29/07	ND	260	310
4/27/07	ND	76	<10
5/24/07	ND	480	1600

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.

ALLTERRA

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
7	3/13/07	EW-1	4,900	230	19,000	6,000	38,787	12	0.244	0.0115	0.95	0.936	0.059	4.39
8	3/29/07	EW-1	3,400	250	19,000	6,000	44,787	14	0.170	0.0125	0.95	1.105	0.071	5.34
9	4/17/07	EW-1	2,200	160	16,000	5,505	50,292	14	0.101	0.0073	0.73	1.206	0.078	6.07
10	5/24/07	EW-1	130	10	1,200	6,000	56,292	13	0.006	0.0005	0.06	1.213	0.079	6.13

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

ALTERRA

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 and Interim Remedial Cleanup Field Logs

ALLTERRA

Groundwater Sampling Field Log

Site Address 160 Holmes	Date 4-13-07
Project Number	Field Personnel D.L.

Monitoring Well Information

Monitoring Well ID MW-1A	Monitoring Well Diameter (inches) 2"
Depth to Water (feet) 23.24	Water Column (feet) 1.76
Total Depth (feet) 25'	80% Recharge Depth (feet)
Depth to Product (feet)	1 Well Volume (gallons) 0.30
Comments	

Field Measurements and Observations

Time	Depth to Water	Purge Volume	Conductivity	Temperature	pH	Turbidity	Color	Odor
|	|	|	1061 µS	19.4°C	7.67	Med. grey	high
			1048 µS	19.4°C	7.45	|	|	|
			1022 µS	19.4°C	7.28			

Total Purge Volume	Comments

Groundwater Sampling Information

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

Groundwater Sampling Field Log

Site Address 160 Holmes	Date 4-13-07
Project Number	Field Personnel D.L.

Monitoring Well Information

Monitoring Well ID MW-1B	Monitoring Well Diameter (inches) 2"
Depth to Water (feet) 23.30	Water Column (feet) 11.70
Total Depth (feet) 55'	80% Recharge Depth (feet)
Depth to Product (feet)	1 Well Volume (gallons) 1.90
Comments	

Field Measurements and Observations

Time	Depth to Water	Purge Volume	Conductivity	Temperature	pH	Turbidity	Color	Odor
|	|	|	607 µS	20.4°C	8.24	n/a	clear	n/a
			602 µS	19.9°C	8.18	|	|	|
			605 µS	19.9°C	8.15			

Total Purge Volume	Comments

Groundwater Sampling Information

Sample ID MW-1B	Sample Time —
Sample Containers (Number/Type) 4 Voa/ 1L	
Comments	

ALLTERRA

Groundwater Sampling Field Log

Site Address 160 Holmes	Date 4-13-07
Project Number	Field Personnel D.L.

Monitoring Well Information

Monitoring Well ID MW-2A	Monitoring Well Diameter (inches) 2"
Depth to Water (feet) 23.16	Water Column (feet) 1.84
Total Depth (feet) 25'	80% Recharge Depth (feet)
Depth to Product (feet)	1 Well Volume (gallons) 0.31
Comments	

Field Measurements and Observations

Time	Depth to Water	Purge Volume	Conductivity	Temperature	pH	Turbidity	Color	Odor
|	|	|	904 µS	21.8°C	7.42	high	grey	high
			904 µS	21.3°C	7.29	|	|	|
			894 µS	21.0°C	7.15			

Total Purge Volume	Comments

Groundwater Sampling Information

Sample ID MW-2A	Sample Time —
Sample Containers (Number/Type) 4 Voa / 1L	
Comments	

Groundwater Sampling Field Log

Site Address 160 Holmes	Date 4-13-07
Project Number	Field Personnel D.L.

Monitoring Well Information

Monitoring Well ID MW-3A	Monitoring Well Diameter (inches) 2"
Depth to Water (feet) 23.78	Water Column (feet) 1.22
Total Depth (feet) 25'	80% Recharge Depth (feet)
Depth to Product (feet)	1 Well Volume (gallons) 0.21
Comments	

Field Measurements and Observations

Time	Depth to Water	Purge Volume	Conductivity	Temperature	pH	Turbidity	Color	Odor
|	|	|	722 µS	20.4°C	8.25	high	brown	n/a
			710 µS	19.2°C	7.98	|	|	|
			717 µS	19.1°C	7.93			

Total Purge Volume	Comments

Groundwater Sampling Information

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

ALLTERRA

Groundwater Sampling Field Log

Site Address 160 Holmes	Date 4-16-07
Project Number	Field Personnel D.L.

Monitoring Well Information

Monitoring Well ID MW-4A	Monitoring Well Diameter (inches) 2"
Depth to Water (feet) 23.78	Water Column (feet) 1.22
Total Depth (feet) 25	80% Recharge Depth (feet)
Depth to Product (feet)	1 Well Volume (gallons) 0.21
Comments	

Field Measurements and Observations

Time	Depth to Water	Purge Volume	Conductivity	Temperature	pH	Turbidity	Color	Odor
|	|	|	668 µS	20.2°C	8.31	high	brown	n/a
			677 µS	19.8°C	8.22	1	1	1
			675 µS	19.7°C	8.07			

Total Purge Volume	Comments

Groundwater Sampling Information

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

Groundwater Sampling Field Log

Site Address 160 Holmes	Date 4-16-07
Project Number	Field Personnel D.L.

Monitoring Well Information

Monitoring Well ID MW-5A	Monitoring Well Diameter (inches) 2"
Depth to Water (feet) 24.77	Water Column (feet) 0.23
Total Depth (feet) 25'	80% Recharge Depth (feet)
Depth to Product (feet)	1 Well Volume (gallons) 0.04
Comments	

Field Measurements and Observations

Time	Depth to Water	Purge Volume	Conductivity	Temperature	pH	Turbidity	Color	Odor
|	|	|	647 µS	20.6°C	8.07	n/a	clear	n/a
			646 µS	20.6°C	8.05	1	1	1
			645 µS	21.0°C	8.01			

Total Purge Volume	Comments

Groundwater Sampling Information

Sample ID MW-5A	Sample Time —
Sample Containers (Number/Type) 4 Voa / 1L	
Comments	

ALLTERRA

Groundwater Sampling Field Log

Site Address 160 Holmes	Date 4-16-07
Project Number	Field Personnel D.L.

Monitoring Well Information

Monitoring Well ID MW-5B	Monitoring Well Diameter (inches) 2"
Depth to Water (feet) 25.33	Water Column (feet) 9.67
Total Depth (feet) 35'	80% Recharge Depth (feet)
Depth to Product (feet)	1 Well Volume (gallons) 1.64
Comments	

Field Measurements and Observations

Time	Depth to Water	Purge Volume	Conductivity	Temperature	pH	Turbidity	Color	Odor
|	|	|	977 µS	20.8°C	8.02	med.	grey	n/a
			990 µS	20.4°C	7.90	|	|	|
			986 µS	20.4°C	7.81			

Total Purge Volume	Comments

Groundwater Sampling Information

Sample ID MW-5B	Sample Time —
Sample Containers (Number/Type) 4 VOA / 1L	
Comments	

Groundwater Sampling Field Log

Site Address 160 Holmes	Date 4-16-07
Project Number	Field Personnel D.L.

Monitoring Well Information

Monitoring Well ID MW-6	Monitoring Well Diameter (inches) 2"
Depth to Water (feet) 24.40	Water Column (feet) 0.60
Total Depth (feet) 25'	80% Recharge Depth (feet)
Depth to Product (feet)	1 Well Volume (gallons) 0.10
Comments	

Field Measurements and Observations

Time	Depth to Water	Purge Volume	Conductivity	Temperature	pH	Turbidity	Color	Odor
|	|	|	853 µS	19.7°C	8.10	med.	brown	n/a
			830 µS	19.7°C	7.96	|	|	|
			837 µS	19.6°C	7.92			

Total Purge Volume	Comments

Groundwater Sampling Information

Sample ID MW-6	Sample Time —
Sample Containers (Number/Type) 4 VOA / 1L	
Comments	

ALLTERRA

Groundwater Sampling Field Log

Site Address 160 Holmes	Date 4-16-07
Project Number	Field Personnel D.L.

Monitoring Well Information

Monitoring Well ID MW-7~~3~~ B	Monitoring Well Diameter (inches) 2"
Depth to Water (feet) ~~24.05~~ 24.41	Water Column (feet) ~~0.95~~ 10.59
Total Depth (feet) ~~25'~~ 35'	80% Recharge Depth (feet)
Depth to Product (feet)	1 Well Volume (gallons) ~~0.16~~ 1.80
Comments	

Field Measurements and Observations

Time	Depth to Water	Purge Volume	Conductivity	Temperature	pH	Turbidity	Color	Odor
			772 µS	19.8°C	8.00	med.	grey	n/a
			794 µS	19.0°C	7.92	1	1	1
			817 µS	19.0°C	7.89			

Total Purge Volume	Comments

Groundwater Sampling Information

Sample ID MW-7~~3~~ B	Sample Time —
Sample Containers (Number/Type) 4 VOA / 1L	
Comments	

Groundwater Sampling Field Log

Site Address 160 Holmes	Date 4-16-07
Project Number	Field Personnel D.L.

Monitoring Well Information

Monitoring Well ID MW-7~~3~~ A	Monitoring Well Diameter (inches) 2"
Depth to Water (feet) ~~24.05~~ 24.05	Water Column (feet) ~~0.95~~ 0.95
Total Depth (feet) ~~25'~~ 25'	80% Recharge Depth (feet)
Depth to Product (feet)	1 Well Volume (gallons) ~~0.16~~ 0.16
Comments	

Field Measurements and Observations

Time	Depth to Water	Purge Volume	Conductivity	Temperature	pH	Turbidity	Color	Odor
			798 µS	20.4°C	7.76	high	grey	n/a
			802 µS	20.1°C	7.69	1	1	1
			808 µS	20.2°C	7.57			

Total Purge Volume	Comments

Groundwater Sampling Information

Sample ID MW-7~~3~~ A	Sample Time —
Sample Containers (Number/Type) 4 VOA / 1L	
Comments	

ALLTERRA

Groundwater Sampling Field Log

Site Address 160 Holmes	Date 4-16-07
Project Number	Field Personnel D.L.

Monitoring Well Information

Monitoring Well ID MW-7C	Monitoring Well Diameter (inches) 2"
Depth to Water (feet) 24.73	Water Column (feet) 20.27
Total Depth (feet) 45'	80% Recharge Depth (feet)
Depth to Product (feet)	1 Well Volume (gallons) 3.45
Comments	

Field Measurements and Observations

Time	Depth to Water	Purge Volume	Conductivity	Temperature	pH	Turbidity	Color	Odor
1	1	1	470 µS	20.7°C	8.44	n/a	clear	n/a
			610 µS	19.0°C	8.35	1	1	1
			620 µS	18.7°C	8.24			

Total Purge Volume	Comments

Groundwater Sampling Information

Sample ID MW-7C	Sample Time —
Sample Containers (Number/Type) 4 Voa/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	

ALLTERRA

Groundwater Sampling Field Log

Site Address 160 Holmes	Date 4-13-07
Project Number	Field Personnel D.L.

Monitoring Well Information

Monitoring Well ID EW-1	Monitoring Well Diameter (inches)
Depth to Water (feet) 23.69	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	Conduc-tivity	Temper-ature	pH	Turbidity	Color	Odor

Total Purge Volume	Comments

Groundwater Sampling Information

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

Groundwater Sampling Field Log

Site Address 160 Holmes	Date 4-13-07
Project Number	Field Personnel D.L.

Monitoring Well Information

Monitoring Well ID EW-2	Monitoring Well Diameter (inches)
Depth to Water (feet) 23.93	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	Conduc-tivity	Temper-ature	pH	Turbidity	Color	Odor

Total Purge Volume	Comments

Groundwater Sampling Information

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

ALLTERRA

Interim remedial clean-up field log

160 Holmes street, Livermore, CA

GWTS OBSERVATIONS AND MEASUREMENTS

DATE:	3-4-07
PERSONNEL:	SJ2
WELL ID :	EW-1
DEPTH TO WATER:	
PUMP DEPTH INITIAL:	
COMPLETED DEPTH:	

FLOW TOTALIZE

INITIAL TOTAL	
COMPLETED TOTAL	
TOTAL GALLONS PUMPED	

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

SAMPLES COLLECTED

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

NOTES: Tank discharge

TANK DISCHARGE:

TOTAL GALLONS DISCHARGED: 5000 + Gallons

ALLTERRA

Interim remedial clean-up field log

160 Holmes street, Livermore, CA

GWTS OBSERVATIONS AND MEASUREMENTS

DATE:	3-13-07
PERSONNEL:	D.C.

WELL ID : EW-1

DEPTH TO WATER: 20.46 ON 3/12/07

PUMP DEPTH INITIAL:	30'
COMPLETED DEPTH:	30'

FLOW TOTALIZE	
INITIAL TOTAL	0
COMPLETED TOTAL	6,000
TOTAL GALLONS PUMPED	6,000

	GPH
FLOW RATE INITIAL	12.7
1 HOUR	12.1
2 HOUR	12.0
3 HOUR	11.96
4 HOUR	11.89
5 HOUR	11.82
6 HOUR	11.85
7 HOUR	11.88
8 HOUR	11.92

SAMPLES COLLECTED

TANK-1	X	**DATE:**	3-13-07
IN-1	X	**DATE:**	3-13-07

NOTES: PH reading: 714 µs / 20.°C / 8.03 PH

TANK DISCHARGE:

TOTAL GALLONS DISCHARGED: ~~6,000~~

ALLTERRA

Interim remedial clean-up field log

160 Holmes street, Livermore, CA

GWTS OBSERVATIONS AND MEASUREMENTS

DATE: 3-23-07

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: Emptied Tank

TANK DISCHARGE:

TOTAL GALLONS DISCHARGED: ≈ 6,000 gallons

ALLTERRA

Interim remedial clean-up field log

160 Holmes street, Livermore, CA

GWTS OBSERVATIONS AND MEASUREMENTS

DATE:	3-28-07
PERSONNEL:	D.L.
WELL ID :	EW-1
DEPTH TO WATER:	
PUMP DEPTH INITIAL:	
COMPLETED DEPTH:	

FLOW TOTALIZE	
INITIAL TOTAL	0
COMPLETED TOTAL	
TOTAL GALLONS PUMPED	

	GPH
FLOW RATE INITIAL	14.37
1 HOUR	14.29
2 HOUR	14.22
3 HOUR	14.16
4 HOUR	14.16
5 HOUR	
6 HOUR	
7 HOUR	
8 HOUR	

SAMPLES COLLECTED

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

NOTES:

TANK DISCHARGE:

TOTAL GALLONS DISCHARGED: 3278.41

ALLTERRA

Interim remedial clean-up field log

160 Holmes street, Livermore, CA

GWTS OBSERVATIONS AND MEASUREMENTS

DATE:	3-29-07
PERSONNEL:	D.C.,
WELL ID :	EW-1
DEPTH TO WATER:	
PUMP DEPTH INITIAL:	
COMPLETED DEPTH:	

FLOW TOTALIZE	
INITIAL TOTAL	3278.41
COMPLETED TOTAL	6000.00
TOTAL GALLONS PUMPED	

	GPH
FLOW RATE INITIAL	14.33
1 HOUR	13.81
2 HOUR	13.86
3 HOUR	13.79
4 HOUR	13.82
5 HOUR	
6 HOUR	
7 HOUR	
8 HOUR	

SAMPLES COLLECTED

TANK-1	4 Voa	**DATE:**	3-29-07
IN-1	4 Voa	**DATE:**	3-29-07

NOTES: Tank PH : 692 µS / 19.1°C / 7.80 PH

TANK DISCHARGE:

TOTAL GALLONS DISCHARGED: 3/28/07 + 3/29/07 = 6,000 gallons discharged

ALLTERRA

Interim remedial clean-up field log

160 Holmes street, Livermore, CA

GWTS OBSERVATIONS AND MEASUREMENTS

DATE:	4-12-07
PERSONNEL:	D.L.

WELL ID :

DEPTH TO WATER:

PUMP DEPTH INITIAL:	
COMPLETED DEPTH:	

	GPH
FLOW RATE INITIAL	
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		**DATE:**	
IN-1		**DATE:**	

NOTES: Discharged Tank-1

TANK DISCHARGE:

TOTAL GALLONS DISCHARGED: 6,000

ALLTERRA

Interim remedial clean-up field log

160 Holmes street, Livermore, CA

GWTS OBSERVATIONS AND MEASUREMENTS

DATE:	4-17-07
PERSONNEL:	SR, SC
WELL ID :	EW-1
DEPTH TO WATER:	24.02
PUMP DEPTH INITIAL:	32.0
COMPLETED DEPTH:	32.0

FLOW TOTALIZE	
INITIAL TOTAL	0
COMPLETED TOTAL	5505
TOTAL GALLONS PUMPED	5505

	GPH
FLOW RATE INITIAL	14.61
1 HOUR	14.20
2 HOUR	13.77
3 HOUR	13.77
4 HOUR	13.77
5 HOUR	13.73
6 HOUR	13.68
7 HOUR	
8 HOUR	

SAMPLES COLLECTED

PH: 6.66

TANK-1	3 Voa	**DATE:**	4-17-07
IN-1	3 Voa	**DATE:**	4-17-07

NOTES: Lead carbon vessels old and leak ~~sig~~ recomend replacment

TANK DISCHARGE:

TOTAL GALLONS DISCHARGED:

ALLTERRA

Interim remedial clean-up field log

160 Holmes street, Livermore, CA

GWTS OBSERVATIONS AND MEASUREMENTS

DATE:	5-10-07
PERSONNEL:	D.L.
WELL ID :	
DEPTH TO WATER:	
PUMP DEPTH INITIAL:	
COMPLETED DEPTH:	

FLOW TOTALIZE	
INITIAL TOTAL	
COMPLETED TOTAL	
TOTAL GALLONS PUMPED	

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

SAMPLES COLLECTED

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

NOTES: Discharged Tank-1

TANK DISCHARGE:

TOTAL GALLONS DISCHARGED: ≈ 6,000 gallons

ALLTERRA

Interim remedial clean-up field log

160 Holmes street, Livermore, CA

GWTS OBSERVATIONS AND MEASUREMENTS

DATE:	5-24-07
PERSONNEL:	D.L.
WELL ID :	EW-1
DEPTH TO WATER:	30.14
PUMP DEPTH INITIAL:	30'
COMPLETED DEPTH:	30'

FLOW TOTALIZE

INITIAL TOTAL	
COMPLETED TOTAL	
TOTAL GALLONS PUMPED	6,000

	GPH
FLOW RATE INITIAL	14.50
1 HOUR	
2 HOUR	
3 HOUR	
4 HOUR	
5 HOUR	
6 HOUR	
7 HOUR	
8 HOUR	10.72

SAMPLES COLLECTED

TANK-1	X	**DATE:**	5-24-07
IN-1	X	**DATE:**	5-24-07

NOTES: filled tank

TANK DISCHARGE:

TOTAL GALLONS DISCHARGED: filled

APPENDIX C
Certified Analytical Reports and Chains 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; 160 Holmes	Date Sampled: 04/13/07-04/16/07
		Date Received: 04/18/07
	Client Contact: James Allen	Date Reported: 04/24/07
	Client P.O.:	Date Completed: 04/24/07

WorkOrder: 0704347

April 24, 2007

Dear James:

Enclosed are:

1). the results of **11** analyzed samples from your **#015-01-160; 160 Holmes 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

0704347

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: Livermore
Project Name: 160 Holmes
Sampler Signature:

Sample ID	Sample Collection		Sample Containers		Matrix					Preservation				TPHg, BTEX&MTBE (EPA 8015/8021)	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)	Turbidity	EDF required
	Date	Time	Number of Containers	Container Type	Air	Water	Soil	Sludge	Other	Ice	HCl	HNO_3	Other																
MW-1A	4/13/07		4/1	VOA/L		X				X	X			X	X		X												X
MW-1B	4/13/07		4/1	VOA/L		X				X	X			X	X		X												X
MW-2A	4/13/07		4/1	VOA/L		X				X	X			X	X		X												X
MW-3A	4/13/07		4/1	VOA/L		X				X	X			X	X		X												X
MW-4A	4/16/07		4/1	VOA/L		X				X	X			X	X		X												X
MW-5A	4/16/07		4/1	VOA/L		X				X	X			X	X		X												X
MW-5B	4/16/07		4/1	VOA/L		X				X	X			X	X		X												X
MW-6	4/16/07		4/1	VOA/L		X				X	X			X	X		X												X
MW-7A	4/16/07		4/1	VOA/L		X				X	X			X	X		X												X
MW-7B	4/16/07		4/1	VOA/L		X				X	X			X	X		X												X
MW-7C	4/16/07		4/1	VOA/L		X				X	X			X	X		X												X

4/17/06		Time:	Received By:
Received By:	Date:	Time:	Received By:
Received By:	Date: 4/18	Time: 9:05	Received By:

Comments: **Ambers for wells, MW-1A, 1B, 2A, 3A, 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

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

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0704347 **ClientID: ATRS**

☑ EDF ☐ Excel ☐ 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; 160 Holmes
PO:

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

Requested TAT: 5 days

Date Received: **04/18/2007**
Date Printed: **04/24/2007**

Sample ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
0704347-001	MW-1A	Water	4/13/2007	☐	B	A	A	C								
0704347-002	MW-1B	Water	4/13/2007	☐	B	A		C								
0704347-003	MW-2A	Water	4/13/2007	☐	B	A		C								
0704347-004	MW-3A	Water	4/13/2007	☐	B	A		C								
0704347-005	MW-4A	Water	4/13/2007	☐	B	A		C								
0704347-006	MW-5A	Water	4/16/2007	☐	B	A		C								
0704347-007	MW-5B	Water	4/16/2007	☐	B	A		C								
0704347-008	MW-6	Water	4/16/2007	☐	B	A		C								
0704347-009	MW-7A	Water	4/16/2007	☐	B	A		C								
0704347-010	MW-7B	Water	4/16/2007	☐	B	A		C								
0704347-011	MW-7C	Water	4/16/2007	☐	B	A		C								

Test Legend:

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

Prepared by: Rosa 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.

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

Sample Receipt Checklist

Client Name: **Allterra Environmental, Inc**

Date and Time Received: **4/18/2007 9:39:14 AM**

Project Name: **#015-01-160; 160 Holmes**

Checklist completed and reviewed by: Rosa Venegas

WorkOrder N°: **0704347** Matrix Water

Carrier: CA OverNight

Chain of Custody (COC) Information

Chain of custody present?	Yes ☑	No ☐
Chain of custody signed when relinquished and received?	Yes ☑	No ☐
Chain of custody agrees with sample labels?	Yes ☑	No ☐
Sample IDs noted by Client on COC?	Yes ☑	No ☐
Date and Time of collection noted by Client on COC?	Yes ☑	No ☐
Sampler's name noted on COC?	Yes ☑	No ☐

Sample Receipt Information

Custody seals intact on shippping container/cooler?	Yes ☐	No ☐	NA ☑
Shipping container/cooler in good condition?	Yes ☑	No ☐	
Samples in proper containers/bottles?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature	Cooler Temp:		NA ☑
Water - VOA vials have zero headspace / no bubbles?	Yes ☑	No ☐	No VOA vials submitted ☐
Sample labels checked for correct preservation?	Yes ☑	No ☐	

Client contacted: Date contacted: Contacted by:

Comments:

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; 160 Holmes	Date Sampled: 04/13/07-04/16/07
		Date Received: 04/18/07
	Client Contact: James Allen	Date Extracted: 04/19/07-04/21/07
	Client P.O.:	Date Analyzed: 04/19/07-04/21/07

Oxygenated Volatile Organics by P&T and GC/MS*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0704347

Lab ID	0704347-001B	0704347-002B	0704347-003B	0704347-004B	Reporting Limit for DF =1	
Client ID	MW-1A	MW-1B	MW-2A	MW-3A		
Matrix	W	W	W	W		
DF	10000	1	10	1	S	W
Compound	**Concentration**				ug/kg	µg/L
tert-Amyl methyl ether (TAME)	ND<5000	ND	ND<5.0	ND	NA	0.5
t-Butyl alcohol (TBA)	ND<50,000	ND	740	ND	NA	5.0
1,2-Dibromoethane (EDB)	ND<5000	ND	ND<5.0	ND	NA	0.5
1,2-Dichloroethane (1,2-DCA)	ND<5000	ND	ND<5.0	ND	NA	0.5
Diisopropyl ether (DIPE)	ND<5000	ND	ND<5.0	ND	NA	0.5
Ethanol	ND<500,000	ND	ND<500	ND	NA	50
Ethyl tert-butyl ether (ETBE)	ND<5000	ND	ND<5.0	ND	NA	0.5
Methanol	ND<5,000,000	ND	ND<5000	ND	NA	500
Methyl-t-butyl ether (MTBE)	200,000	ND	16	ND	NA	0.5
Surrogate Recoveries (%)						
%SS1:	91	96	93	97		
Comments	i		i	i		

* 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.

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; 160 Holmes	Date Sampled: 04/13/07-04/16/07
		Date Received: 04/18/07
	Client Contact: James Allen	Date Extracted: 04/19/07-04/21/07
	Client P.O.:	Date Analyzed: 04/19/07-04/21/07

Oxygenated Volatile Organics by P&T and GC/MS*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0704347

Lab ID	0704347-005B	0704347-006B	0704347-007B	0704347-008B	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)	0.51	ND	1.5	ND	NA	0.5
Surrogate Recoveries (%)						
%SS1:	96	96	98	97		
Comments	i		i	i		

* 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.

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; 160 Holmes	Date Sampled: 04/13/07-04/16/07
		Date Received: 04/18/07
	Client Contact: James Allen	Date Extracted: 04/19/07-04/21/07
	Client P.O.:	Date Analyzed: 04/19/07-04/21/07

Oxygenated Volatile Organics by P&T and GC/MS*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0704347

Lab ID	0704347-009B	0704347-010B	0704347-011B		Reporting Limit for DF =1	
Client ID	MW-7A	MW-7B	MW-7C			
Matrix	W	W	W			
DF	25	100	1		S	W
Compound	**Concentration**				ug/kg	µg/L
tert-Amyl methyl ether (TAME)	ND<12	ND<50	ND		NA	0.5
t-Butyl alcohol (TBA)	2500	10,000	ND		NA	5.0
1,2-Dibromoethane (EDB)	ND<12	ND<50	ND		NA	0.5
1,2-Dichloroethane (1,2-DCA)	ND<12	ND<50	ND		NA	0.5
Diisopropyl ether (DIPE)	ND<12	ND<50	ND		NA	0.5
Ethanol	ND<1200	ND<5000	ND		NA	50
Ethyl tert-butyl ether (ETBE)	ND<12	ND<50	ND		NA	0.5
Methanol	ND<12,000	ND<50,000	ND		NA	500
Methyl-t-butyl ether (MTBE)	170	ND<50	ND		NA	0.5
Surrogate Recoveries (%)						
%SS1:	96	95	98			
Comments	i		i			

* 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.

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	Client Project ID: #015-01-160; 160 Holmes	Date Sampled: 04/13/07-04/16/07
849 Almar Ave, Ste. C #281		Date Received: 04/18/07
Santa Cruz, CA 95060	Client Contact: James Allen	Date Extracted: 04/18/07-04/20/07
	Client P.O.:	Date Analyzed: 04/18/07-04/20/07

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

Extraction method: SW5030B Analytical methods: SW8021B/8015Cm Work Order: 0704347

Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS
001A	MW-1A	W	28,000,a,i	190,000	1600	74	3700	1800	100	99
002A	MW-1B	W	ND	ND	ND	ND	ND	ND	1	90
003A	MW-2A	W	86,b,i	16	ND	0.60	ND	ND	1	102
004A	MW-3A	W	ND,i	ND	ND	ND	ND	ND	1	91
005A	MW-4A	W	ND,i	ND	ND	ND	ND	ND	1	97
006A	MW-5A	W	ND	ND	ND	ND	ND	ND	1	94
007A	MW-5B	W	ND,i	ND	ND	ND	ND	ND	1	94
008A	MW-6	W	ND,i	ND	ND	ND	ND	ND	1	92
009A	MW-7A	W	520,a,m,i	140	17	5.6	2.6	0.88	1	90
010A	MW-7B	W	94,m	35	ND	2.6	ND	ND	1	114
011A	MW-7C	W	ND,i	ND	ND	ND	ND	ND	1	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

Allterra Environmental, Inc 849 Almar Ave, Ste. C #281 Santa Cruz, CA 95060	Client Project ID: #015-01-160; 160 Holmes	Date Sampled: 04/13/07-04/16/07
		Date Received: 04/18/07
	Client Contact: James Allen	Date Extracted: 04/18/07
	Client P.O.:	Date Analyzed 04/18/07-04/20/07

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

Extraction method SW3510C Analytical methods SW8015C Work Order: 0704347

Lab ID	Client ID	Matrix	TPH(d)	DF	% SS
0704347-001C	MW-1A	W	3000,d,i	1	99
0704347-002C	MW-1B	W	ND	1	98
0704347-003C	MW-2A	W	130,d,i	1	99
0704347-004C	MW-3A	W	ND,i	1	99
0704347-005C	MW-4A	W	ND,i	1	96
0704347-006C	MW-5A	W	ND	1	109
0704347-007C	MW-5B	W	ND,i	1	98
0704347-008C	MW-6	W	ND,i	1	109
0704347-009C	MW-7A	W	470,d,i	1	106
0704347-010C	MW-7B	W	ND	1	104
0704347-011C	MW-7C	W	ND,i	1	106

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.

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 SW8260B

W.O. Sample Matrix: Water QC Matrix: Water WorkOrder: 0704347

EPA Method SW8260B	Extraction SW5030B				BatchID: 27499				Spiked Sample ID: 0704347-006B			
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	101	103	1.32	98.9	103	4.36	70 - 130	30	70 - 130	30
t-Butyl alcohol (TBA)	ND	50	84.3	86.1	2.12	90.4	93.7	3.58	70 - 130	30	70 - 130	30
Diisopropyl ether (DIPE)	ND	10	117	119	1.63	116	121	4.17	70 - 130	30	70 - 130	30
Ethyl tert-butyl ether (ETBE)	ND	10	109	110	0.885	107	110	2.88	70 - 130	30	70 - 130	30
Methyl-t-butyl ether (MTBE)	ND	10	108	109	1.01	105	110	4.77	70 - 130	30	70 - 130	30
%SS1:	96	10	94	93	0.885	91	89	2.54	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 27499 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0704347-001B	04/13/07	04/19/07	04/19/07 11:47 PM	0704347-002B	04/13/07	04/20/07	04/20/07 12:31 AM
0704347-003B	04/13/07	04/21/07	04/21/07 2:45 AM	0704347-004B	04/13/07	04/20/07	04/20/07 2:00 AM
0704347-005B	04/13/07	04/20/07	04/20/07 2:45 AM	0704347-006B	04/16/07	04/20/07	04/20/07 3:29 AM
0704347-007B	04/16/07	04/20/07	04/20/07 4:14 AM	0704347-008B	04/16/07	04/20/07	04/20/07 4:59 AM
0704347-009B	04/16/07	04/21/07	04/21/07 4:15 AM	0704347-010B	04/16/07	04/21/07	04/21/07 5:01 AM
0704347-011B	04/16/07	04/21/07	04/21/07 5:47 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.

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.

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: 0704347

EPA Method SW8021B/8015Cm	Extraction SW5030B				BatchID: 27495				Spiked Sample ID: 0704336-001A			
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	96.9	7.37	103	103	0	70 - 130	30	70 - 130	30
MTBE	ND	10	109	110	1.27	104	111	6.14	70 - 130	30	70 - 130	30
Benzene	ND	10	110	104	5.77	106	115	7.43	70 - 130	30	70 - 130	30
Toluene	ND	10	108	102	5.57	108	111	2.96	70 - 130	30	70 - 130	30
Ethylbenzene	ND	10	105	97.8	6.91	106	107	1.11	70 - 130	30	70 - 130	30
Xylenes	ND	30	96.3	91.7	4.96	96.7	96.3	0.345	70 - 130	30	70 - 130	30
%SS:	90	10	109	106	2.89	107	116	7.44	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 27495 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0704347-001A	04/13/07	04/18/07	04/18/07 7:13 PM	0704347-001A	04/13/07	04/20/07	04/20/07 12:55 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.

DHS ELAP Certification N° 1644

QA/QC Officer

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: 0704347

EPA Method SW8021B/8015Cm	Extraction SW5030B				BatchID: 27503				Spiked Sample ID: 0704369-001A			
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	97.8	6.34	85	92.6	8.57	70 - 130	30	70 - 130	30
MTBE	ND	10	91.9	97.8	6.20	117	109	6.78	70 - 130	30	70 - 130	30
Benzene	ND	10	107	107	0	110	107	2.50	70 - 130	30	70 - 130	30
Toluene	ND	10	117	118	0.242	97.5	97.1	0.422	70 - 130	30	70 - 130	30
Ethylbenzene	ND	10	114	115	0.709	98.6	104	5.03	70 - 130	30	70 - 130	30
Xylenes	ND	30	120	123	2.74	83.7	95.7	13.4	70 - 130	30	70 - 130	30
%SS:	89	10	96	96	0	93	89	3.87	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 27503 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0704347-002A	04/13/07	04/19/07	04/19/07 5:38 AM	0704347-003A	04/13/07	04/20/07	04/20/07 9:31 PM
0704347-004A	04/13/07	04/19/07	04/19/07 6:44 AM	0704347-005A	04/13/07	04/19/07	04/19/07 7:16 AM
0704347-006A	04/16/07	04/19/07	04/19/07 7:49 AM	0704347-007A	04/16/07	04/19/07	04/19/07 8:22 AM
0704347-008A	04/16/07	04/19/07	04/19/07 8:55 AM	0704347-009A	04/16/07	04/20/07	04/20/07 1:30 PM
0704347-010A	04/16/07	04/18/07	04/18/07 5:41 PM	0704347-011A	04/16/07	04/18/07	04/18/07 10:45 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.

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 SW8015C

W.O. Sample Matrix: Water QC Matrix: Water WorkOrder: 0704347

EPA Method SW8015C	Extraction SW3510C	BatchID: 27450	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	110	117	6.44	N/A	N/A	70 - 130	30
%SS:	N/A	2500	N/A	N/A	N/A	115	118	3.02	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 27450 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0704347-001C	04/13/07	04/18/07	04/18/07 9:23 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.

DHS ELAP Certification N° 1644

QA/QC Officer

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 SW8015C

W.O. Sample Matrix: Water QC Matrix: Water WorkOrder: 0704347

EPA Method SW8015C	Extraction SW3510C	BatchID: 27496	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	105	105	0	N/A	N/A	70 - 130	30
%SS:	N/A	2500	N/A	N/A	N/A	99	99	0	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 27496 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0704347-002C	04/13/07	04/18/07	04/18/07 10:31 PM	0704347-003C	04/13/07	04/18/07	04/18/07 11:38 PM
0704347-004C	04/13/07	04/18/07	04/20/07 3:15 AM	0704347-005C	04/13/07	04/18/07	04/19/07 3:01 AM
0704347-006C	04/16/07	04/18/07	04/18/07 8:14 PM	0704347-007C	04/16/07	04/18/07	04/20/07 4:23 AM
0704347-008C	04/16/07	04/18/07	04/18/07 10:31 PM	0704347-009C	04/16/07	04/18/07	04/18/07 11:38 PM
0704347-010C	04/16/07	04/18/07	04/19/07 12:46 AM	0704347-011C	04/16/07	04/18/07	04/19/07 1:53 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.

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.

DHS ELAP Certification N° 1644

QA/QC Officer

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; 160 Holmes	Date Sampled: 03/13/07
		Date Received: 03/16/07
	Client Contact: James Allen	Date Reported: 03/22/07
	Client P.O.:	Date Completed: 03/22/07

WorkOrder: 0703384

March 22, 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 0703854

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: Livermore / 160 Holmes

Project Name: 160 Holmes

Sampler Signature:

Sample ID	Sample Collection		Sample Containers		Matrix					Preservation				TPHg, BTEX&MTBE (EPA 8015/8021)	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)	Turbidity	EDF required
	Date	Time	Number of Containers	Container Type	Air	Water	Soil	Sludge	Other	Ice	HCl	HNO_3	Other																
IN-1	3-13-07	X	3	VOA		X				X	X			X															X

		Time:	Received By:
Received By:	Date:	Time:	Received By:
Received By:	Date: 3/14	Time: 10:15	Received By:

Comments:

ICE/t° 18°

GOOD CONDITION ✓ APPROPRIATE ✓

HEAD SPACE ABSENT ____ CONTAINERS ____

DECHLORINATED IN LAB ____ PRESERVED IN LAB ____

PRESERVATION | VOAS | O&G | METALS | OTHER

REC'D SEALED & INTACT VIA ____

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

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0703384 **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; 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 **03/16/2007**
Date Printed: **03/16/2007**

Sample ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
0703384-001	IN-1	Water	03/13/07	☐	A	A										

Test Legend:

1	G-MBTEX_W	2	PREDF REPORT	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.

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	Client Project ID: #015-01-160; 160 Holmes	Date Sampled: 03/13/07
849 Almar Ave, Ste. C #281		Date Received: 03/16/07
Santa Cruz, CA 95060	Client Contact: James Allen	Date Extracted: 03/19/07-03/21/07
	Client P.O.:	Date Analyzed 03/19/07-03/21/07

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

Extraction method SW5030B Analytical methods SW8021B/8015Cm Work Order: 0703384

Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS
001A	IN-1	W	4900,a	19,000	230	150	320	600	10	109

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: 0703384

EPA Method SW8021B/8015Cm	Extraction SW5030B				BatchID: 26859				Spiked Sample ID: 0703390-015A			
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	81.4	94.1	14.5	95.1	92.8	2.45	70 - 130	30	70 - 130	30
MTBE	ND	10	100	105	4.79	108	110	1.76	70 - 130	30	70 - 130	30
Benzene	ND	10	98.7	95.6	3.22	98.4	97.7	0.697	70 - 130	30	70 - 130	30
Toluene	ND	10	90.9	88.8	2.39	91	90	1.14	70 - 130	30	70 - 130	30
Ethylbenzene	ND	10	90.2	95.2	5.41	100	98.7	1.50	70 - 130	30	70 - 130	30
Xylenes	ND	30	87.7	96.3	9.42	96.3	96.7	0.345	70 - 130	30	70 - 130	30
%SS:	96	10	93	92	1.48	95	94	1.64	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 26859 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0703384-001A	03/13/07	03/19/07	03/19/07 10:43 PM	0703384-001A	03/13/07	03/21/07	03/21/07 6:34 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.

cluttered chromatogram; sample peak coelutes with surrogate peak.

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: 54440
Issued: 03/22/2007

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

Global ID: T0600102287

Certificate of Analysis - Final Report

On March 15, 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: 015-01-160
Project Name: 160 Holmes St
Project Location: Livermore
GlobalID: T0600102287

Certificate of Analysis - Data Report

Samples Received: 03/15/2007
Sample Collected by: Client

Lab # : 54440-001 **Sample ID: Tank-1** **Matrix:** Liquid **Sample Date:** 3/13/2007

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	3/20/2007	WM1A070320A
Bromodichloromethane	ND		5.0	2.5	µg/L	N/A	N/A	3/20/2007	WM1A070320A
Bromoform	ND		5.0	2.5	µg/L	N/A	N/A	3/20/2007	WM1A070320A
Bromomethane	ND		5.0	2.5	µg/L	N/A	N/A	3/20/2007	WM1A070320A
Carbon Tetrachloride	ND		5.0	2.5	µg/L	N/A	N/A	3/20/2007	WM1A070320A
Chlorobenzene	ND		5.0	2.5	µg/L	N/A	N/A	3/20/2007	WM1A070320A
Chloroethane	ND		5.0	2.5	µg/L	N/A	N/A	3/20/2007	WM1A070320A
2-Chloroethyl-vinyl Ether	ND		5.0	25	µg/L	N/A	N/A	3/20/2007	WM1A070320A
Chloroform	ND		5.0	2.5	µg/L	N/A	N/A	3/20/2007	WM1A070320A
Chloromethane	ND		5.0	2.5	µg/L	N/A	N/A	3/20/2007	WM1A070320A
Dibromochloromethane	ND		5.0	2.5	µg/L	N/A	N/A	3/20/2007	WM1A070320A
1,2-Dichlorobenzene	ND		5.0	2.5	µg/L	N/A	N/A	3/20/2007	WM1A070320A
1,3-Dichlorobenzene	ND		5.0	2.5	µg/L	N/A	N/A	3/20/2007	WM1A070320A
1,4-Dichlorobenzene	ND		5.0	2.5	µg/L	N/A	N/A	3/20/2007	WM1A070320A
1,1-Dichloroethane	ND		5.0	2.5	µg/L	N/A	N/A	3/20/2007	WM1A070320A
1,2-Dichloroethane	ND		5.0	2.5	µg/L	N/A	N/A	3/20/2007	WM1A070320A
1,1-Dichloroethene	ND		5.0	2.5	µg/L	N/A	N/A	3/20/2007	WM1A070320A
trans-1,2-Dichloroethene	ND		5.0	2.5	µg/L	N/A	N/A	3/20/2007	WM1A070320A
1,2-Dichloropropane	ND		5.0	2.5	µg/L	N/A	N/A	3/20/2007	WM1A070320A
cis-1,3-Dichloropropene	ND		5.0	2.5	µg/L	N/A	N/A	3/20/2007	WM1A070320A
trans-1,3-Dichloropropene	ND		5.0	2.5	µg/L	N/A	N/A	3/20/2007	WM1A070320A
Ethyl Benzene	ND		5.0	2.5	µg/L	N/A	N/A	3/20/2007	WM1A070320A
Methylene Chloride	ND		5.0	100	µg/L	N/A	N/A	3/20/2007	WM1A070320A
1,1,2,2-Tetrachloroethane	ND		5.0	2.5	µg/L	N/A	N/A	3/20/2007	WM1A070320A
Tetrachloroethene	ND		5.0	2.5	µg/L	N/A	N/A	3/20/2007	WM1A070320A
Toluene	ND		5.0	2.5	µg/L	N/A	N/A	3/20/2007	WM1A070320A
1,1,1-Trichloroethane	ND		5.0	2.5	µg/L	N/A	N/A	3/20/2007	WM1A070320A
1,1,2-Trichloroethane	ND		5.0	2.5	µg/L	N/A	N/A	3/20/2007	WM1A070320A
Trichloroethene	ND		5.0	2.5	µg/L	N/A	N/A	3/20/2007	WM1A070320A
Trichlorofluoromethane	ND		5.0	2.5	µg/L	N/A	N/A	3/20/2007	WM1A070320A
Vinyl Chloride	ND		5.0	2.5	µg/L	N/A	N/A	3/20/2007	WM1A070320A
Methyl-t-butyl Ether	**190**		5.0	5.0	µg/L	N/A	N/A	3/20/2007	WM1A070320A
tert-Butanol (TBA)	**430**		5.0	50	µg/L	N/A	N/A	3/20/2007	WM1A070320A

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	109	80 - 120
Dibromofluoromethane	98.7	60 - 130
Toluene-d8	106	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: WM1A070320A

Validated by: MaiChiTu - 03/21/07

QC Batch Analysis Date: 3/20/2007

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
Methyl-t-butyl Ether	ND	1	1.0	µg/L
tert-Butanol (TBA)	ND	1	10	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	**106**	70 - 125
Dibromofluoromethane	**96.6**	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: WM1A070320A

Reviewed by: MaiChiTu - 03/21/07

QC Batch ID Analysis Date: 3/20/2007

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	21.0	µg/L	105	70 - 130
Chlorobenzene	<0.50	20	20.9	µg/L	104	70 - 130
Methyl-t-butyl Ether	<1.0	20	21.2	µg/L	106	70 - 130
Toluene	<0.50	20	19.3	µg/L	96.5	70 - 130
Trichloroethene	<0.50	20	20.6	µg/L	103	70 - 130

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	**115.0**	60 - 130
Dibromofluoromethane	**102.0**	60 - 130
Toluene-d8	**101.0**	60 - 130

LCSD

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	RPD	RPD Limits	Recovery Limits
1,1-Dichloroethene	<0.50	20	17.9	µg/L	89.5	9.1	25.0	70 - 130
Benzene	<0.50	20	19.0	µg/L	95.0	10	25.0	70 - 130
Chlorobenzene	<0.50	20	19.2	µg/L	96.0	8.5	25.0	70 - 130
Methyl-t-butyl Ether	<1.0	20	20.2	µg/L	101	4.8	25.0	70 - 130
Toluene	<0.50	20	17.8	µg/L	89.0	8.1	25.0	70 - 130
Trichloroethene	<0.50	20	19.1	µg/L	95.5	7.6	25.0	70 - 130

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	**110.0**	60 - 130
Dibromofluoromethane	**100.0**	60 - 130
Toluene-d8	**98.9**	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

Lab# 54440

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: Livermore
Project Name: 160 Holmes
Sampler Signature:

Sample ID	Sample Collection		Sample Containers		Matrix					Preservation				TPHg, BTEX&MTBE (EPA 8015/8021)	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)	Turbidity	EDF required
	Date	Time	Number of Containers	Container Type	Air	Water	Soil	Sludge	Other	Ice	HCl	HNO_3	Other															
Tank-1	3-13-07		3	VOA		X				X	X				8021													X

Received By:	3/15/07	Time: 10:52	Received By:	Comments: * EPA 624 TTO's + MTBE + TBA
Received By:	Date:	Time:	Received By:	
Received By:	Date:	Time:	Received By:	

0704001

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: Livermore

Project Name: 160 Holmes

Sampler Signature:

Sample ID	Sample Collection		Sample Containers		Matrix					Preservation				TPHg, BTEX&MTBE (EPA 8015/8021)	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)	Turbidity	EDF required
	Date	Time	Number of Containers	Container Type	Air	Water	Soil	Sludge	Other	Ice	HCl	HNO_3	Other																
IN-1	3-29-07	—	4	Voa		X				X	X			X															X

3/30/07		Time:	Received By:	
Received By:	Date: 4/2/07	Time: 950AM	Received By:	
Received By:	Date:	Time:	Received By:	

Comments: 19.4

ICE/t° ✓

GOOD CONDITION ✓ APPROPRIATE ✓

HEAD SPACE ABSENT ✓ CONTAINERS

DECHLORINATED IN LAB PRESERVED 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: 0704001 **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
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 **04/02/2007**
Date Printed: **04/02/2007**

Sample ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
0704001-001	IN-1	Water	03/29/07	☐	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.

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	Client Project ID: #015-01-015; 160 Holmes	Date Sampled: 03/29/07
849 Almar Ave, Ste. C #281		Date Received: 04/02/07
Santa Cruz, CA 95060	Client Contact: James Allen	Date Extracted: 04/05/07
	Client P.O.:	Date Analyzed 04/05/07

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

Extraction method SW5030B Analytical methods SW8021B/8015Cm Work Order: 0704001

Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS
001A	IN-1	W	3400,a	19,000	250	99	310	480	10	104

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

Sample Receipt Checklist

Client Name: **Allterra Environmental, Inc**

Date and Time Received: **04/02/07 9:58:37 AM**

Project Name: **#015-01-015; 160 Holmes**

Checklist completed and reviewed by: Maria Venegas

WorkOrder N°: **0704001** Matrix Water

Carrier: Courier

Chain of Custody (COC) Information

Chain of custody present?	Yes ☑	No ☐
Chain of custody signed when relinquished and received?	Yes ☑	No ☐
Chain of custody agrees with sample labels?	Yes ☑	No ☐
Sample IDs noted by Client on COC?	Yes ☑	No ☐
Date and Time of collection noted by Client on COC?	Yes ☑	No ☐
Sampler's name noted on COC?	Yes ☑	No ☐

Sample Receipt Information

Custody seals intact on shippping container/cooler?	Yes ☐	No ☐	NA ☑
Shipping container/cooler in good condition?	Yes ☑	No ☐	
Samples in proper containers/bottles?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature	Cooler Temp: 19.4°C		NA ☐
Water - VOA vials have zero headspace / no bubbles?	Yes ☑	No ☐	No VOA vials submitted ☐
Sample labels checked for correct preservation?	Yes ☑	No ☐	

Client contacted: Date contacted: Contacted by:

Comments:

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: 54738
Issued: 04/06/2007

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

Global ID: T0600102287

Certificate of Analysis - Final Report

On March 30, 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: 160 Holmes St
Project Location: Livermore
GlobalID: T0600102287

Certificate of Analysis - Data Report

Samples Received: 03/30/2007
Sample Collected by: Client

Lab # : 54738-001 **Sample ID: Tank-1** **Matrix:** Liquid **Sample Date:** 3/29/2007

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	4/2/2007	WM1A070402A
Bromodichloromethane	ND		5.0	2.5	µg/L	N/A	N/A	4/2/2007	WM1A070402A
Bromoform	ND		5.0	2.5	µg/L	N/A	N/A	4/2/2007	WM1A070402A
Bromomethane	ND		5.0	2.5	µg/L	N/A	N/A	4/2/2007	WM1A070402A
Carbon Tetrachloride	ND		5.0	2.5	µg/L	N/A	N/A	4/2/2007	WM1A070402A
Chlorobenzene	ND		5.0	2.5	µg/L	N/A	N/A	4/2/2007	WM1A070402A
Chloroethane	ND		5.0	2.5	µg/L	N/A	N/A	4/2/2007	WM1A070402A
2-Chloroethyl-vinyl Ether	ND		5.0	25	µg/L	N/A	N/A	4/2/2007	WM1A070402A
Chloroform	ND		5.0	2.5	µg/L	N/A	N/A	4/2/2007	WM1A070402A
Chloromethane	ND		5.0	2.5	µg/L	N/A	N/A	4/2/2007	WM1A070402A
Dibromochloromethane	ND		5.0	2.5	µg/L	N/A	N/A	4/2/2007	WM1A070402A
1,2-Dichlorobenzene	ND		5.0	2.5	µg/L	N/A	N/A	4/2/2007	WM1A070402A
1,3-Dichlorobenzene	ND		5.0	2.5	µg/L	N/A	N/A	4/2/2007	WM1A070402A
1,4-Dichlorobenzene	ND		5.0	2.5	µg/L	N/A	N/A	4/2/2007	WM1A070402A
1,1-Dichloroethane	ND		5.0	2.5	µg/L	N/A	N/A	4/2/2007	WM1A070402A
1,2-Dichloroethane	ND		5.0	2.5	µg/L	N/A	N/A	4/2/2007	WM1A070402A
1,1-Dichloroethene	ND		5.0	2.5	µg/L	N/A	N/A	4/2/2007	WM1A070402A
trans-1,2-Dichloroethene	ND		5.0	2.5	µg/L	N/A	N/A	4/2/2007	WM1A070402A
1,2-Dichloropropane	ND		5.0	2.5	µg/L	N/A	N/A	4/2/2007	WM1A070402A
cis-1,3-Dichloropropene	ND		5.0	2.5	µg/L	N/A	N/A	4/2/2007	WM1A070402A
trans-1,3-Dichloropropene	ND		5.0	2.5	µg/L	N/A	N/A	4/2/2007	WM1A070402A
Ethyl Benzene	ND		5.0	2.5	µg/L	N/A	N/A	4/2/2007	WM1A070402A
Methylene Chloride	ND		5.0	100	µg/L	N/A	N/A	4/2/2007	WM1A070402A
1,1,2,2-Tetrachloroethane	ND		5.0	2.5	µg/L	N/A	N/A	4/2/2007	WM1A070402A
Tetrachloroethene	ND		5.0	2.5	µg/L	N/A	N/A	4/2/2007	WM1A070402A
Toluene	ND		5.0	2.5	µg/L	N/A	N/A	4/2/2007	WM1A070402A
1,1,1-Trichloroethane	ND		5.0	2.5	µg/L	N/A	N/A	4/2/2007	WM1A070402A
1,1,2-Trichloroethane	ND		5.0	2.5	µg/L	N/A	N/A	4/2/2007	WM1A070402A
Trichloroethene	ND		5.0	2.5	µg/L	N/A	N/A	4/2/2007	WM1A070402A
Trichlorofluoromethane	ND		5.0	2.5	µg/L	N/A	N/A	4/2/2007	WM1A070402A
Vinyl Chloride	ND		5.0	2.5	µg/L	N/A	N/A	4/2/2007	WM1A070402A
tert-Butanol (TBA)	**310**		5.0	50	µg/L	N/A	N/A	4/2/2007	WM1A070402A
Methyl-t-butyl Ether	**260**		5.0	5.0	µg/L	N/A	N/A	4/2/2007	WM1A070402A

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	107	60 - 130
Dibromofluoromethane	100	60 - 130
Toluene-d8	107	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: WM1A070402A

Validated by: MaiChiTu - 04/03/07

QC Batch Analysis Date: 4/2/2007

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
Methyl-t-butyl Ether	ND	1	1.0	µg/L
tert-Butanol (TBA)	ND	1	10	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	**99.9**	60 - 130
Dibromofluoromethane	**85.4**	60 - 130
Toluene-d8	**104**	60 - 130

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: WM1A070402A

Reviewed by: MaiChiTu - 04/03/07

QC Batch ID Analysis Date: 4/2/2007

LCS

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	Recovery Limits
1,1-Dichloroethene	<0.50	20	18.4	µg/L	92.0	70 - 130
Benzene	<0.50	20	20.4	µg/L	102	70 - 130
Chlorobenzene	<0.50	20	20.5	µg/L	102	70 - 130
Methyl-t-butyl Ether	<1.0	20	20.3	µg/L	102	70 - 130
Toluene	<0.50	20	19.0	µg/L	95.0	70 - 130
Trichloroethene	<0.50	20	20.4	µg/L	102	70 - 130

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	**111.0**	60 - 130
Dibromofluoromethane	**98.5**	60 - 130
Toluene-d8	**100.0**	60 - 130

LCSD

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	RPD	RPD Limits	Recovery Limits
1,1-Dichloroethene	<0.50	20	16.3	µg/L	81.5	12	25.0	70 - 130
Benzene	<0.50	20	18.4	µg/L	92.0	10	25.0	70 - 130
Chlorobenzene	<0.50	20	19.4	µg/L	97.0	5.5	25.0	70 - 130
Methyl-t-butyl Ether	<1.0	20	15.9	µg/L	79.5	24	25.0	70 - 130
Toluene	<0.50	20	18.2	µg/L	91.0	4.3	25.0	70 - 130
Trichloroethene	<0.50	20	19.2	µg/L	96.0	6.1	25.0	70 - 130

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	**101.0**	60 - 130
Dibromofluoromethane	**89.4**	60 - 130
Toluene-d8	**103.0**	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: Livermore
Project Name: 160 Holmes
Sampler Signature:

54738

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 8015/8021)	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)	Turbidity	EDF required
Tank-1	3-29-07	—	4	Voa		X				X	X			-001														X

3/30/07		Time: 1325	Received By:
Received By:	Date: 3/30/07	Time: 1325	Received By:
Received By:	Date:	Time:	Received By:

Comments:
EPA 624 + MTBE + TBA
4 VOAs (HCL)
Temperature : 5.4°C

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: #015-01-010; 160 Holmes	Date Sampled: 04/17/07
		Date Received: 04/19/07
	Client Contact: James Allen	Date Reported: 04/24/07
	Client P.O.:	Date Completed: 04/24/07

WorkOrder: 0704379

April 24, 2007

Dear James:

Enclosed are:

1). the results of **1** analyzed sample from your **#015-01-010; 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

0704379

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: 015-01-010
Project Location: 160 holmes
Project Name:
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 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, MTBE AND TBA 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
In-1	4/17/07		3	VOA		X				X	X			X														X
TANK-1	4/17/07		3	VOA		X				X	X											X						X

REC'D SEALED & INTACT VIA c/o

	######## 4-18-07 Time:	Received By:	Tank-1 TTO's, MTBE, TBA method 624
Received By:	Date: 4/19/07 Time: 930	Received By: Mana V	ICE/T° 19.2 GOOD CONDITION ✓ HEAD SPACE ABSENT ✓ DECHLORINATED IN LAB ✓ PRESERVATION VOA ✓ O&G METALS OTHER; APPROPRIATE CONTAINERS ✓ PRESERVED IN LAB
Received By:	Date:	Time:	Received By:

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

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0704379 **ClientID: ATRS**

☑ EDF ☐ Excel ☐ 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: #015-01-010; 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 **04/19/2007**
Date Printed: **04/19/2007**

Sample ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
0704379-001	In-1	Water	04/17/07	☐		A	A									
0704379-002	Tank-1	Water	04/17/07	☐	A											

Test Legend:

1	624_W	2	G-MBTEX_W	3	PREDF REPORT	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.

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

Sample Receipt Checklist

Client Name: **Allterra Environmental, Inc**

Date and Time Received: **04/19/07 11:15:51 AM**

Project Name: **#015-01-010; 160 Holmes**

Checklist completed and reviewed by: Maria Venegas

WorkOrder N°: **0704379** Matrix Water

Carrier: CA OverNight

Chain of Custody (COC) Information

Chain of custody present?	Yes ☑	No ☐
Chain of custody signed when relinquished and received?	Yes ☑	No ☐
Chain of custody agrees with sample labels?	Yes ☑	No ☐
Sample IDs noted by Client on COC?	Yes ☑	No ☐
Date and Time of collection noted by Client on COC?	Yes ☑	No ☐
Sampler's name noted on COC?	Yes ☑	No ☐

Sample Receipt Information

Custody seals intact on shippping container/cooler?	Yes ☐	No ☐	NA ☑
Shipping container/cooler in good condition?	Yes ☑	No ☐	
Samples in proper containers/bottles?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature	Cooler Temp: 19.2°C		NA ☐
Water - VOA vials have zero headspace / no bubbles?	Yes ☑	No ☐	No VOA vials submitted ☐
Sample labels checked for correct preservation?	Yes ☑	No ☐	

Client contacted: Date contacted: Contacted by:

Comments:

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	Client Project ID: #015-01-010; 160 Holmes	Date Sampled: 04/17/07
849 Almar Ave, Ste. C #281		Date Received: 04/19/07
Santa Cruz, CA 95060	Client Contact: James Allen	Date Extracted: 04/20/07
	Client P.O.:	Date Analyzed: 04/20/07

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

Extraction method: SW5030B Analytical methods: SW8021B/8015Cm Work Order: 0704379

Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS
001A	In-1	W	2200,a	16,000	160	26	200	170	10	109

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: 0704379

EPA Method SW8021B/8015Cm	Extraction SW5030B				BatchID: 27517				Spiked Sample ID: 0704361-001A			
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	105	102	3.35	106	103	3.00	70 - 130	30	70 - 130	30
MTBE	ND	10	98.3	117	17.4	88.3	97.4	9.80	70 - 130	30	70 - 130	30
Benzene	ND	10	105	108	3.25	105	108	2.60	70 - 130	30	70 - 130	30
Toluene	ND	10	113	113	0	108	108	0	70 - 130	30	70 - 130	30
Ethylbenzene	ND	10	108	108	0	108	111	2.87	70 - 130	30	70 - 130	30
Xylenes	2.0	30	100	96.8	3.17	120	127	5.41	70 - 130	30	70 - 130	30
%SS:	103	10	107	109	1.45	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 27517 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0704379-001A	04/17/07	04/20/07	04/20/07 4:16 AM	0704379-001A	04/17/07	04/20/07	04/20/07 2:59 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.

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: 55222
Issued: 05/08/2007

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

Global ID: T0600102287

Certificate of Analysis - Final Report

On May 01, 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: 160 Holmes St
Project Location: Livermore
GlobalID: T0600102287

Certificate of Analysis - Data Report

Samples Received: 05/01/2007
Sample Collected by: Client

Lab # : 55222-001 **Sample ID: Tank-1** **Matrix:** Liquid **Sample Date:** 4/27/2007

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		1.0	0.50	µg/L	N/A	N/A	5/7/2007	WM1A070507A
Bromodichloromethane	ND		1.0	0.50	µg/L	N/A	N/A	5/7/2007	WM1A070507A
Bromoform	ND		1.0	0.50	µg/L	N/A	N/A	5/7/2007	WM1A070507A
Bromomethane	ND		1.0	0.50	µg/L	N/A	N/A	5/7/2007	WM1A070507A
Carbon Tetrachloride	ND		1.0	0.50	µg/L	N/A	N/A	5/7/2007	WM1A070507A
Chlorobenzene	ND		1.0	0.50	µg/L	N/A	N/A	5/7/2007	WM1A070507A
Chloroethane	ND		1.0	0.50	µg/L	N/A	N/A	5/7/2007	WM1A070507A
2-Chloroethyl-vinyl Ether	ND		1.0	5.0	µg/L	N/A	N/A	5/7/2007	WM1A070507A
Chloroform	ND		1.0	0.50	µg/L	N/A	N/A	5/7/2007	WM1A070507A
Chloromethane	ND		1.0	0.50	µg/L	N/A	N/A	5/7/2007	WM1A070507A
Dibromochloromethane	ND		1.0	0.50	µg/L	N/A	N/A	5/7/2007	WM1A070507A
1,2-Dichlorobenzene	ND		1.0	0.50	µg/L	N/A	N/A	5/7/2007	WM1A070507A
1,3-Dichlorobenzene	ND		1.0	0.50	µg/L	N/A	N/A	5/7/2007	WM1A070507A
1,4-Dichlorobenzene	ND		1.0	0.50	µg/L	N/A	N/A	5/7/2007	WM1A070507A
1,1-Dichloroethane	ND		1.0	0.50	µg/L	N/A	N/A	5/7/2007	WM1A070507A
1,2-Dichloroethane	ND		1.0	0.50	µg/L	N/A	N/A	5/7/2007	WM1A070507A
1,1-Dichloroethene	ND		1.0	0.50	µg/L	N/A	N/A	5/7/2007	WM1A070507A
trans-1,2-Dichloroethene	ND		1.0	0.50	µg/L	N/A	N/A	5/7/2007	WM1A070507A
1,2-Dichloropropane	ND		1.0	0.50	µg/L	N/A	N/A	5/7/2007	WM1A070507A
cis-1,3-Dichloropropene	ND		1.0	0.50	µg/L	N/A	N/A	5/7/2007	WM1A070507A
trans-1,3-Dichloropropene	ND		1.0	0.50	µg/L	N/A	N/A	5/7/2007	WM1A070507A
Ethyl Benzene	ND		1.0	0.50	µg/L	N/A	N/A	5/7/2007	WM1A070507A
Methylene Chloride	ND		1.0	20	µg/L	N/A	N/A	5/7/2007	WM1A070507A
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	µg/L	N/A	N/A	5/7/2007	WM1A070507A
Tetrachloroethene	ND		1.0	0.50	µg/L	N/A	N/A	5/7/2007	WM1A070507A
Toluene	ND		1.0	0.50	µg/L	N/A	N/A	5/7/2007	WM1A070507A
1,1,1-Trichloroethane	ND		1.0	0.50	µg/L	N/A	N/A	5/7/2007	WM1A070507A
1,1,2-Trichloroethane	ND		1.0	0.50	µg/L	N/A	N/A	5/7/2007	WM1A070507A
Trichloroethene	ND		1.0	0.50	µg/L	N/A	N/A	5/7/2007	WM1A070507A
Trichlorofluoromethane	ND		1.0	0.50	µg/L	N/A	N/A	5/7/2007	WM1A070507A
Vinyl Chloride	ND		1.0	0.50	µg/L	N/A	N/A	5/7/2007	WM1A070507A
tert-Butanol (TBA)	ND		1.0	10	µg/L	N/A	N/A	5/7/2007	WM1A070507A
Methyl-t-butyl Ether	**76**		1.0	1.0	µg/L	N/A	N/A	5/7/2007	WM1A070507A

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	111	60 - 130
Dibromofluoromethane	102	60 - 130
Toluene-d8	105	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: WM1A070507A

Validated by: MaiChiTu - 05/08/07

QC Batch Analysis Date: 5/7/2007

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: WM1A070507A

Validated by: MaiChiTu - 05/08/07

QC Batch Analysis Date: 5/7/2007

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	**102**	60 - 130
Dibromofluoromethane	**90.3**	60 - 130
Toluene-d8	**104**	60 - 130

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: WM1A070507A

Reviewed by: MaiChiTu - 05/08/07

QC Batch ID Analysis Date: 5/7/2007

LCS

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	Recovery Limits
1,1-Dichloroethene	<0.50	20	18.4	µg/L	92.0	70 - 130
Benzene	<0.50	20	19.7	µg/L	98.5	70 - 130
Chlorobenzene	<0.50	20	19.1	µg/L	95.5	70 - 130
Methyl-t-butyl Ether	<1.0	20	19.4	µg/L	97.0	70 - 130
Toluene	<0.50	20	17.2	µg/L	86.0	70 - 130
Trichloroethene	<0.50	20	19.8	µg/L	99.0	70 - 130

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	**117**	60 - 130
Dibromofluoromethane	**101**	60 - 130
Toluene-d8	**92.0**	60 - 130

LCSD

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	RPD	RPD Limits	Recovery Limits
1,1-Dichloroethene	<0.50	20	17.8	µg/L	89.0	0.00	25.0	70 - 130
Benzene	<0.50	20	18.5	µg/L	92.5	6.28	25.0	70 - 130
Chlorobenzene	<0.50	20	19.6	µg/L	98.0	2.58	25.0	70 - 130
Methyl-t-butyl Ether	<1.0	20	17.2	µg/L	86.0	12.0	25.0	70 - 130
Toluene	<0.50	20	18.1	µg/L	90.5	5.10	25.0	70 - 130
Trichloroethene	<0.50	20	19.1	µg/L	95.5	3.60	25.0	70 - 130

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	**106**	60 - 130
Dibromofluoromethane	**95.1**	60 - 130
Toluene-d8	**100**	60 - 130

Chain of Custody Record

ALLTERRA
849 Almar Avenue, Suite C, #281
Santa Cruz, California 95060
Website: www.allterraenv.com
Phone: (831) 425-2608 Facsimile: (831) 425-2609

55222

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

Report and Bill to: Allterra Environmental, Inc.
Project Number: 015-01-015 per customer request w/ Joseph phone conversation 5/1/07 1330 PM
Project Location: 160 Holmes
Project Name: ~~Superior Tank~~
Sampler Signature: [signature] (For D.L.)

Sample ID	Sample Collection		Sample Containers		Matrix					Preservation				TPHg/ BTEX/ MTBE (EPA 8015/8021)	BTEX (EPA 8020)	TPHd (EPA 8015)	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)	XTTOs method 624	EDF required
	Date	Time	Number of Containers	Container Type	Air	Water	Soil	Sludge	Other	Ice	HCl	HNO_3	Other																
Tank-1	4/27/07		4	VOA		X				X	X			-001														X	NK

4 VOAs each (HCl)

Sampled By: David Lambert Date: 4/27/07 Time:
Received By: Date: Time:
Received By: Date: Time:

Received By: [signature] 5/1/07 1307

Received By:
Received By:

Comments:
TTOs By EPA 624 + MTBE + TBA

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: #0185-01-015; 160 Holmes	Date Sampled: 05/24/07
		Date Received: 05/29/07
	Client Contact: James Allen	Date Reported: 06/05/07
	Client P.O.:	Date Completed: 06/05/07

WorkOrder: 0705687

June 05, 2007

Dear James:

Enclosed are:

1). the results of **1** analyzed sample from your **#0185-01-015; 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

0705687

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: Livermore
Project Name: 160 Holmes
Sampler Signature: [signature]

Sample ID	Sample Collection: Date	Time	Sample Containers: Number of Containers	Container Type	Matrix: Air	Water	Soil	Sludge	Other	Preservation: Ice	HCl	HNO_3	Other
IN-1	5/24/07		4	VOA		X				X	X		

Sample ID	TPHg, BTEX&MTBE (EPA 8015/8021)	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)	Turbidity	EDF required
IN-1	X														X

	Date:	Time:	Received By:
[signature] 5/25/07			
Received By: [signature]	5/29/07	845	[signature]
Received By:	Date:	Time:	Received By:

Comments:

REC'D SEALED & INTACT VIA C/O
ICE° 22.6
GOOD CONDITION ✓
HEAD SPACE ABSENT ✓
DECHLORINATED IN LAB ___
APPROPRIATE CONTAINERS ✓
PRESERVED 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: 0705687 **ClientID: ATRS**

☑ EDF ☐ Excel ☐ 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: #0185-01-015; 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 **05/29/2007**
Date Printed: **05/29/2007**

Sample ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
0705687-001	IN-1	Water	05/24/07	☐	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.

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

Sample Receipt Checklist

Client Name: **Allterra Environmental, Inc**
Date and Time Received: **05/29/07 9:40:59 AM**

Project Name: **#0185-01-015; 160 Holmes**
Checklist completed and reviewed by: Maria Venegas

WorkOrder N°: **0705687** Matrix Water
Carrier: CA OverNight

Chain of Custody (COC) Information

Chain of custody present?	Yes ☑	No ☐
Chain of custody signed when relinquished and received?	Yes ☑	No ☐
Chain of custody agrees with sample labels?	Yes ☑	No ☐
Sample IDs noted by Client on COC?	Yes ☑	No ☐
Date and Time of collection noted by Client on COC?	Yes ☑	No ☐
Sampler's name noted on COC?	Yes ☑	No ☐

Sample Receipt Information

Custody seals intact on shippping container/cooler?	Yes ☐	No ☐	NA ☑
Shipping container/cooler in good condition?	Yes ☑	No ☐	
Samples in proper containers/bottles?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature	Cooler Temp: 22.6°C		NA ☐
Water - VOA vials have zero headspace / no bubbles?	Yes ☑	No ☐	No VOA vials submitted ☐
Sample labels checked for correct preservation?	Yes ☑	No ☐	
TTLC Metal - pH acceptable upon receipt (pH<2)?	Yes ☐	No ☐	NA ☑

Client contacted: Date contacted: Contacted by:

Comments:

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	Client Project ID: #0185-01-015; 160 Holmes	Date Sampled: 05/24/07
849 Almar Ave, Ste. C #281		Date Received: 05/29/07
Santa Cruz, CA 95060	Client Contact: James Allen	Date Extracted: 06/01/07-06/02/07
	Client P.O.:	Date Analyzed 06/01/07-06/02/07

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

Extraction method SW5030B Analytical methods SW8021B/8015Cm Work Order: 0705687

Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS
001A	IN-1	W	130,a	1200	10	ND	8.2	2.7	1	104

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 0705687

EPA Method SW8021B/8015Cm	Extraction SW5030B	BatchID: 28303	Spiked Sample ID: 0705629-006A

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	96.7	96	0.815	109	110	1.19	70 - 130	30	70 - 130	30
MTBE	ND	10	94.1	103	8.79	113	110	2.88	70 - 130	30	70 - 130	30
Benzene	ND	10	87.6	92.8	5.80	96.5	95.4	1.13	70 - 130	30	70 - 130	30
Toluene	ND	10	82	84.9	3.54	106	105	0.615	70 - 130	30	70 - 130	30
Ethylbenzene	ND	10	90.5	82.9	8.74	103	103	0	70 - 130	30	70 - 130	30
Xylenes	ND	30	95.3	95.7	0.345	113	113	0	70 - 130	30	70 - 130	30
%SS:	106	10	94	91	3.23	99	98	0.995	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 28303 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0705687-001A	05/24/07	06/01/07	06/01/07 1:24 AM	0705687-001A	05/24/07	06/02/07	06/02/07 11:46 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.

cluttered chromatogram; sample peak coelutes with surrogate peak.

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: 55649
Issued: 06/01/2007

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

Global ID: T0600102287

Certificate of Analysis - Final Report

On May 25, 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 5030B / 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: 160 Holmes St
Project Location: Livermore
GlobalID: T0600102287

Certificate of Analysis - Data Report

Samples Received: 05/25/2007
Sample Collected by: Client

Lab # : 55649-001 **Sample ID: Tank-1** **Matrix:** Liquid **Sample Date:** 5/24/2007

VOCs: EPA 5030B / 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		10	5.0	µg/L	N/A	N/A	5/26/2007	WM1A070525A
Bromodichloromethane	ND		10	5.0	µg/L	N/A	N/A	5/26/2007	WM1A070525A
Bromoform	ND		10	5.0	µg/L	N/A	N/A	5/26/2007	WM1A070525A
Bromomethane	ND		10	5.0	µg/L	N/A	N/A	5/26/2007	WM1A070525A
Carbon Tetrachloride	ND		10	5.0	µg/L	N/A	N/A	5/26/2007	WM1A070525A
Chlorobenzene	ND		10	5.0	µg/L	N/A	N/A	5/26/2007	WM1A070525A
Chloroethane	ND		10	5.0	µg/L	N/A	N/A	5/26/2007	WM1A070525A
2-Chloroethyl-vinyl Ether	ND		10	50	µg/L	N/A	N/A	5/26/2007	WM1A070525A
Chloroform	ND		10	5.0	µg/L	N/A	N/A	5/26/2007	WM1A070525A
Chloromethane	ND		10	5.0	µg/L	N/A	N/A	5/26/2007	WM1A070525A
Dibromochloromethane	ND		10	5.0	µg/L	N/A	N/A	5/26/2007	WM1A070525A
1,2-Dichlorobenzene	ND		10	5.0	µg/L	N/A	N/A	5/26/2007	WM1A070525A
1,3-Dichlorobenzene	ND		10	5.0	µg/L	N/A	N/A	5/26/2007	WM1A070525A
1,4-Dichlorobenzene	ND		10	5.0	µg/L	N/A	N/A	5/26/2007	WM1A070525A
1,1-Dichloroethane	ND		10	5.0	µg/L	N/A	N/A	5/26/2007	WM1A070525A
1,2-Dichloroethane	ND		10	5.0	µg/L	N/A	N/A	5/26/2007	WM1A070525A
1,1-Dichloroethene	ND		10	5.0	µg/L	N/A	N/A	5/26/2007	WM1A070525A
trans-1,2-Dichloroethene	ND		10	5.0	µg/L	N/A	N/A	5/26/2007	WM1A070525A
1,2-Dichloropropane	ND		10	5.0	µg/L	N/A	N/A	5/26/2007	WM1A070525A
cis-1,3-Dichloropropene	ND		10	5.0	µg/L	N/A	N/A	5/26/2007	WM1A070525A
trans-1,3-Dichloropropene	ND		10	5.0	µg/L	N/A	N/A	5/26/2007	WM1A070525A
Ethyl Benzene	ND		10	5.0	µg/L	N/A	N/A	5/26/2007	WM1A070525A
Methylene Chloride	ND		10	200	µg/L	N/A	N/A	5/26/2007	WM1A070525A
1,1,2,2-Tetrachloroethane	ND		10	5.0	µg/L	N/A	N/A	5/26/2007	WM1A070525A
Tetrachloroethene	ND		10	5.0	µg/L	N/A	N/A	5/26/2007	WM1A070525A
Toluene	ND		10	5.0	µg/L	N/A	N/A	5/26/2007	WM1A070525A
1,1,1-Trichloroethane	ND		10	5.0	µg/L	N/A	N/A	5/26/2007	WM1A070525A
1,1,2-Trichloroethane	ND		10	5.0	µg/L	N/A	N/A	5/26/2007	WM1A070525A
Trichloroethene	ND		10	5.0	µg/L	N/A	N/A	5/26/2007	WM1A070525A
Trichlorofluoromethane	ND		10	5.0	µg/L	N/A	N/A	5/26/2007	WM1A070525A
Vinyl Chloride	ND		10	5.0	µg/L	N/A	N/A	5/26/2007	WM1A070525A
tert-Butanol (TBA)	**1600**		10	100	µg/L	N/A	N/A	5/26/2007	WM1A070525A
Methyl-t-butyl Ether	**480**		10	10	µg/L	N/A	N/A	5/26/2007	WM1A070525A

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	107	60 - 130
Dibromofluoromethane	103	60 - 130
Toluene-d8	103	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 5030B / EPA 8260B for Groundwater and Water - EPA 624 for Wastewater

QC Batch ID: WM1A070525A

Validated by: MaiChiTu - 05/29/07

QC Batch Analysis Date: 5/25/2007

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
Methyl-t-butyl Ether	ND	1	1.0	µg/L
tert-Butanol (TBA)	ND	1	10	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	**102**	60 - 130
Dibromofluoromethane	**98.9**	60 - 130
Toluene-d8	**106**	60 - 130

Entech Analytical Labs, Inc.

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

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

QC Batch ID: WM1A070525A

Reviewed by: MaiChiTu - 05/29/07

QC Batch ID Analysis Date: 5/25/2007

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	18.5	µg/L	92.5	70 - 130
Chlorobenzene	<0.50	20	18.6	µg/L	93.0	70 - 130
Methyl-t-butyl Ether	<1.0	20	18.5	µg/L	92.5	70 - 130
Toluene	<0.50	20	18.0	µg/L	90.0	70 - 130
Trichloroethene	<0.50	20	18.1	µg/L	90.5	70 - 130

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	**108**	60 - 130
Dibromofluoromethane	**104**	60 - 130
Toluene-d8	**98.5**	60 - 130

LCSD

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	RPD	RPD Limits	Recovery Limits
1,1-Dichloroethene	<0.50	20	21.3	µg/L	106	11.4	25.0	70 - 130
Benzene	<0.50	20	20.3	µg/L	102	0.00	25.0	70 - 130
Chlorobenzene	<0.50	20	19.5	µg/L	97.5	4.72	25.0	70 - 130
Methyl-t-butyl Ether	<1.0	20	21.1	µg/L	106	13.1	25.0	70 - 130
Toluene	<0.50	20	19.8	µg/L	99.0	9.52	25.0	70 - 130
Trichloroethene	<0.50	20	19.0	µg/L	95.0	4.85	25.0	70 - 130

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	**101**	60 - 130
Dibromofluoromethane	**108**	60 - 130
Toluene-d8	**102**	60 - 130

Lab# 55649

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: Livermore
Project Name: 160 Holmes
Sampler Signature:

Sample ID	Sample Collection		Sample Containers		Matrix					Preservation				TPHg, BTEX&MTBE (EPA 8015/8021)	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)	Turbidity	EDF required
	Date	Time	Number of Containers	Container Type	Air	Water	Soil	Sludge	Other	Ice	HCl	HNO_3	Other																
TANK-1	5/24/07		4	VOA		X				X	X																	X

4 VOAs (HCl)

Comments:
EPA 624 + MTBE + TBA
4 VOAs rcvd — Temp 30a upon rcpt

Received By:	Date:	Time:	Received By:
5/25/07	5/25/07	1315	DTMeesen