Third 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:
October 15, 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

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

Subject: Third 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 third 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 July 16 and 17, 2007, Allterra performed quarterly groundwater monitoring for eleven monitoring wells (MW-1A through 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 third quarter 2007, six monitoring wells were dry and one was inaccessible; therefore, only four 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 four 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 July 16, 2007, Allterra personnel measured and recorded depths to groundwater from the tops of well casings (TOC) for monitoring wells MW-1B, MW-5B, MW-7B, MW-7C. Recorded depths to groundwater ranged from 35.57 to 36.70 feet below ground surface (bgs). Groundwater elevation data are summarized in Table 1 and groundwater elevation data is presented in Figure 3. For the July 2007 groundwater monitoring event, there was insufficient data to create a groundwater potentiometric map.

Allterra also collected groundwater level measurements from wells MW-1B, MW-5B, and MW-7B on 9/27/07. Measurements indicated water level measurements at approximately 46 feet bgs, which represents a drop in water levels of over 20 feet since second quarter 2007. According to Zone 7 Water Agency staff, the lowering of the water table was likely caused by the recent termination of the local groundwater recharge program.

Analytical Results

For the July 2007 monitoring event, fuel-related compounds were detected in two of four wells sampled this quarter. Neither dissolved TPHg nor TPHd were not detected at or above laboratory detection limits in any wells. Benzene was detected in one well at a concentration of 0.61 µg/L in well MW-7B. Well samples indicated the presence of MTBE in two wells at levels of 1.4 µg/L in well MW-5B and 13 µg/L in well MW-7B. TBA was detected in one well (MW-7B) at a concentration of 4,000 µg/L. Methanol and ethanol were 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 6,200 gallons of impacted groundwater from extraction well EW-1. The only phase of extraction (Batch 11) was

completed on June 29, 2007 and consisted of extracting approximately 6,200 gallons of groundwater. 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 June 29, 2007, an influent flow sample (IN-1) was collected during batch extraction activities. The sample was 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 July 16, 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 12,200 gallons of groundwater (from Batches 10 and 11) were discharged to the sanitary sewer under City of Livermore Wastewater Discharge Permit. Approximately 6,000 gallons of groundwater from Batch 10 were discharger after second quarter 2007 reporting was finalized and before the Batch 11 extraction Field data sheets from discharge activities are included in Appendix B.

Interim Cleanup Results
Sample Analytical Data
Analytical results for the influent sample (IN-1) indicated elevated concentrations of petroleum hydrocarbons. TPHg was detected at a concentration of 1,100 µg/L, benzene was detected at 33 µg/L, and MTBE was detected at 3,800 µg/L.

Analytical results from tank samples indicated that wastewater discharge was completed in compliance with permit conditions. Sample data for the influent sample is presented in Table 3 and holding tank data is presented in Table 4. Certified analytical reports for the samples are presented in Appendix C.

Groundwater Extraction Volumes and Contaminant Mass Removal Estimates
Using groundwater extraction volumes and influent sample data for batches 10 and 11, approximately 0.063 pounds of TPHg, 0.0022 pounds of benzene, and 0.26 pounds of MTBE were removed from well EW-1 during this period.

Summary of Interim Cleanup of Groundwater
Interim cleanup of groundwater was discontinued during third quarter 2007. To date, interim groundwater extraction has resulted in the cumulative removal of approximately 62,500 gallons

of hydrocarbon-impacted groundwater and removed 1.27 pounds of TPHg, 0.081 pounds of benzene, and 6.32 pounds of MTBE. Interim cleanup data is summarized in Tables 3, 4, and 5.

Conclusions

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

- Groundwater levels were the lowest they have been in at least five years. The likely reason for the depressed water table is Zone 7 Water Agency's termination of the local groundwater recharge program.

- The highest concentrations of dissolved benzene and MTBE were detected in off-site monitoring well MW-7B. Additionally, the highest levels of dissolved TBA continue to be found in well MW-7B (4,000 µg/L).

- During this quarter, approximately 12,200 gallons of groundwater were extracted (Batch 10 and 11), resulting in the removal of an estimated 0.063 pounds of TPHg, 0.0022 pounds of benzene, and 0.26 pounds of MTBE.

- Between September 8, 2006 and June 29, 2007, approximately 62,500 gallons of groundwater have been treated, while 1.27 pounds of TPHg, 0.081 pounds of benzene, and 6.32 pounds of MTBE have been removed by interim remediation.

Recommendations

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

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

Limitations

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

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

Sincerely,
Allterra Environmental, Inc.

Erik Allen
Staff Scientist

Michael Killoran, P.G. 6670
Senior Geologist

PROFESSIONAL GEOLOGIST
MICHAEL J. KILLORAN
No. 6670
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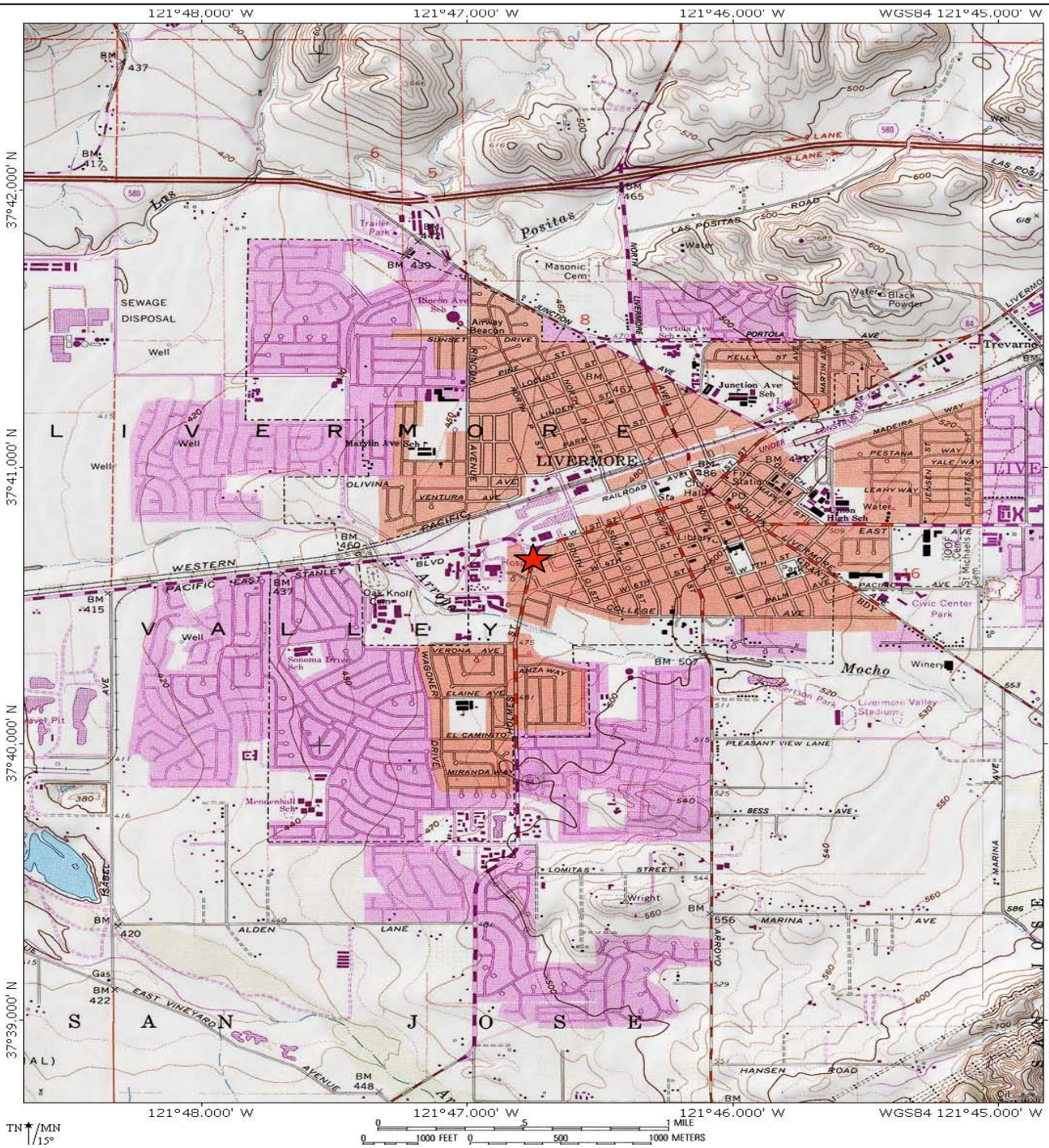
cc: Jerry Wickham, ACEHS

FIGURES 1-4



Vicinity Map

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

Figure 1

3/31/06

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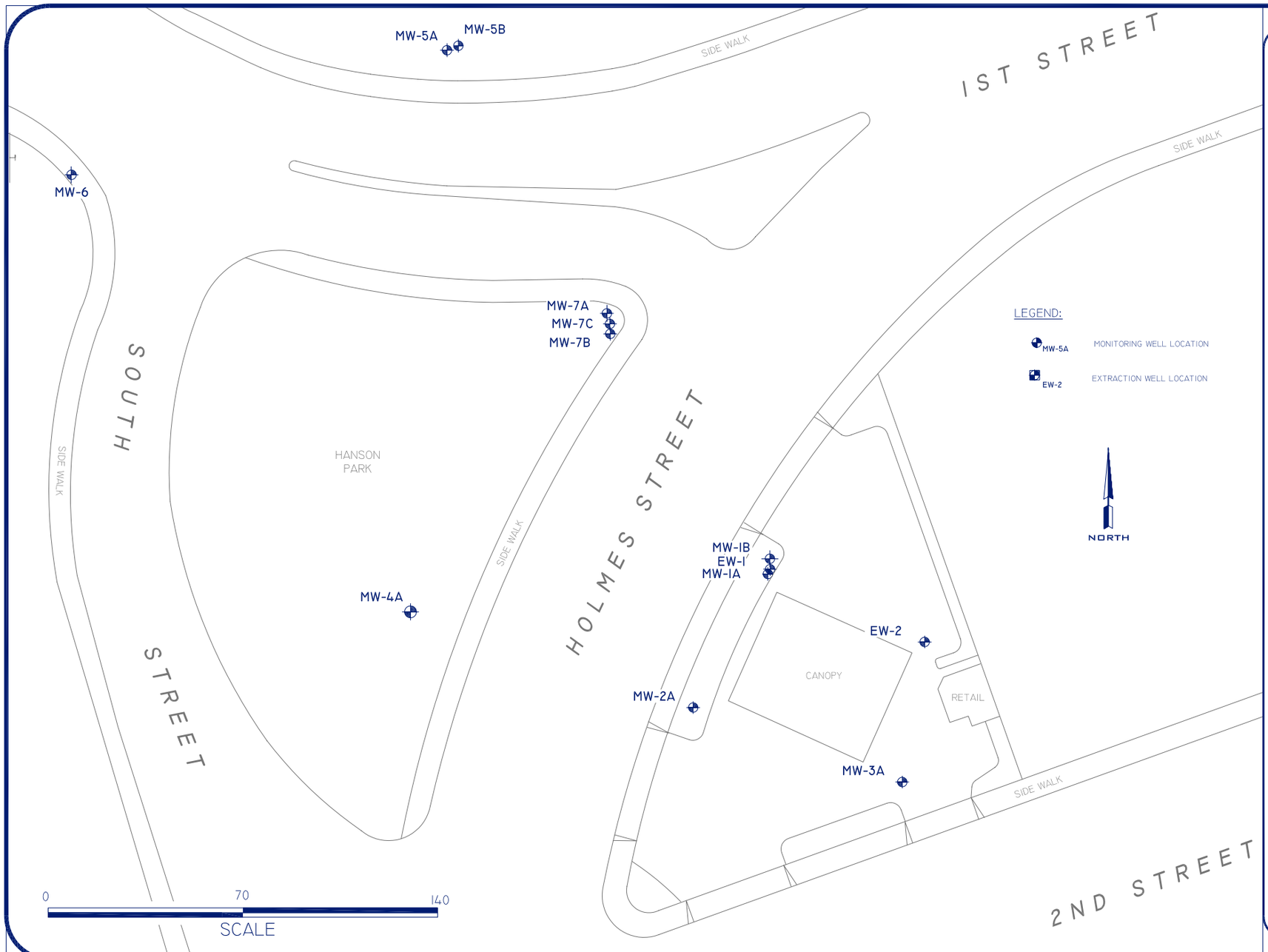

General Notes

STAMP

160 HOLMES STREET, LIVERMORE, CALIFORNIA
SOIL AND GROUNDWATER INVESTIGATION AND REMEDIATION PROJECT

PREPARED BY:
ALLTERRA

No.	Revision/Issue	Date
0	DRAFT/REVIEW	9/6

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SITE PLAN

THIRD QUARTER 2007
GROUNDWATER MONITORING
REPORT

Project	Sheet
015-01-002	FIGURE 2
Date: 9-6-07	
Scale: SEE DRAWING	

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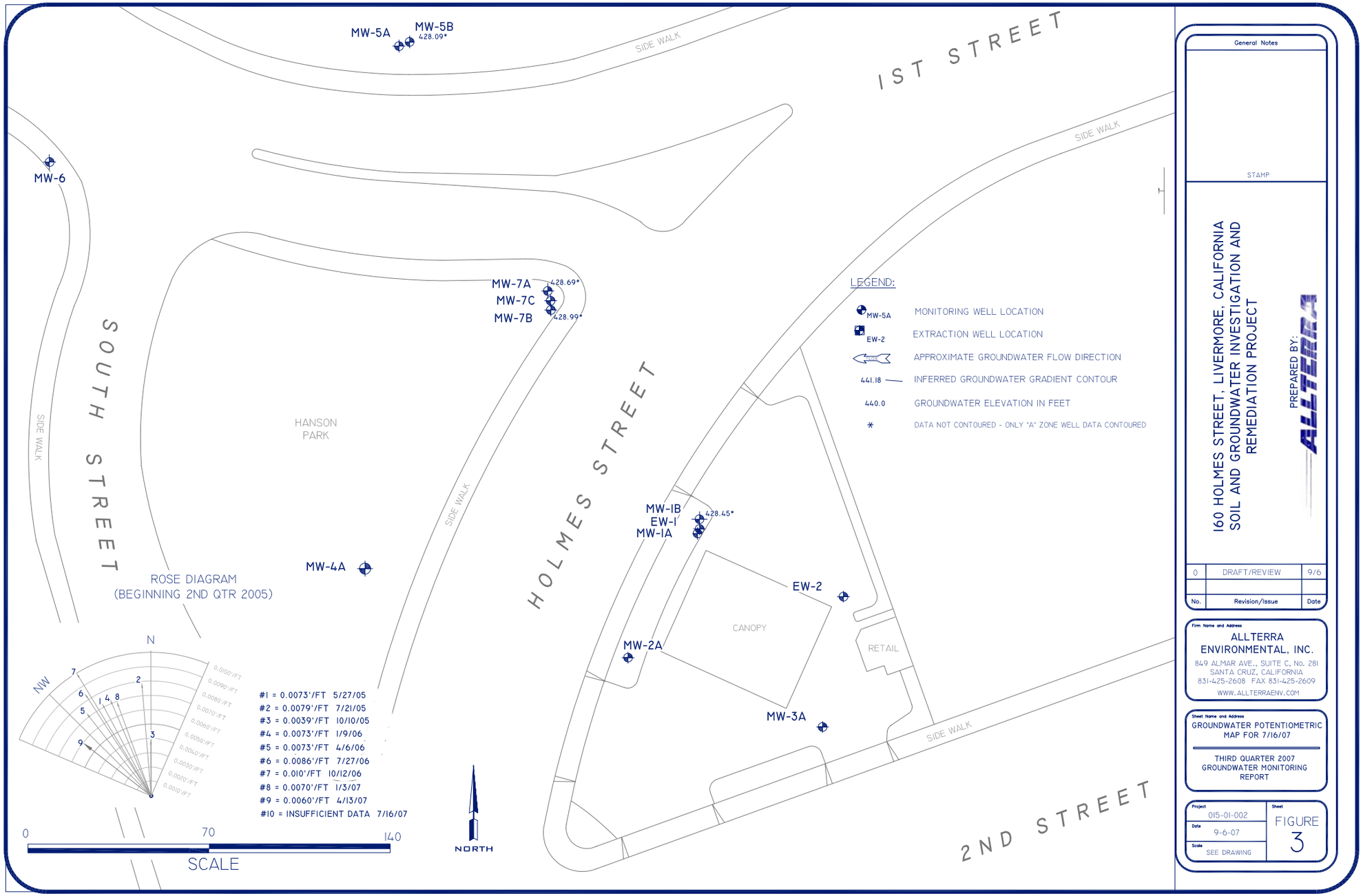
USER



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Sheet Name and Address
GROUNDWATER POTENTIOMETRIC MAP FOR 7/16/07

THIRD QUARTER 2007
GROUNDWATER MONITORING REPORT

Project	Sheet
015-01-002	FIGURE 3
Date: 9-6-07	
Scale: SEE DRAWING	

FNAME
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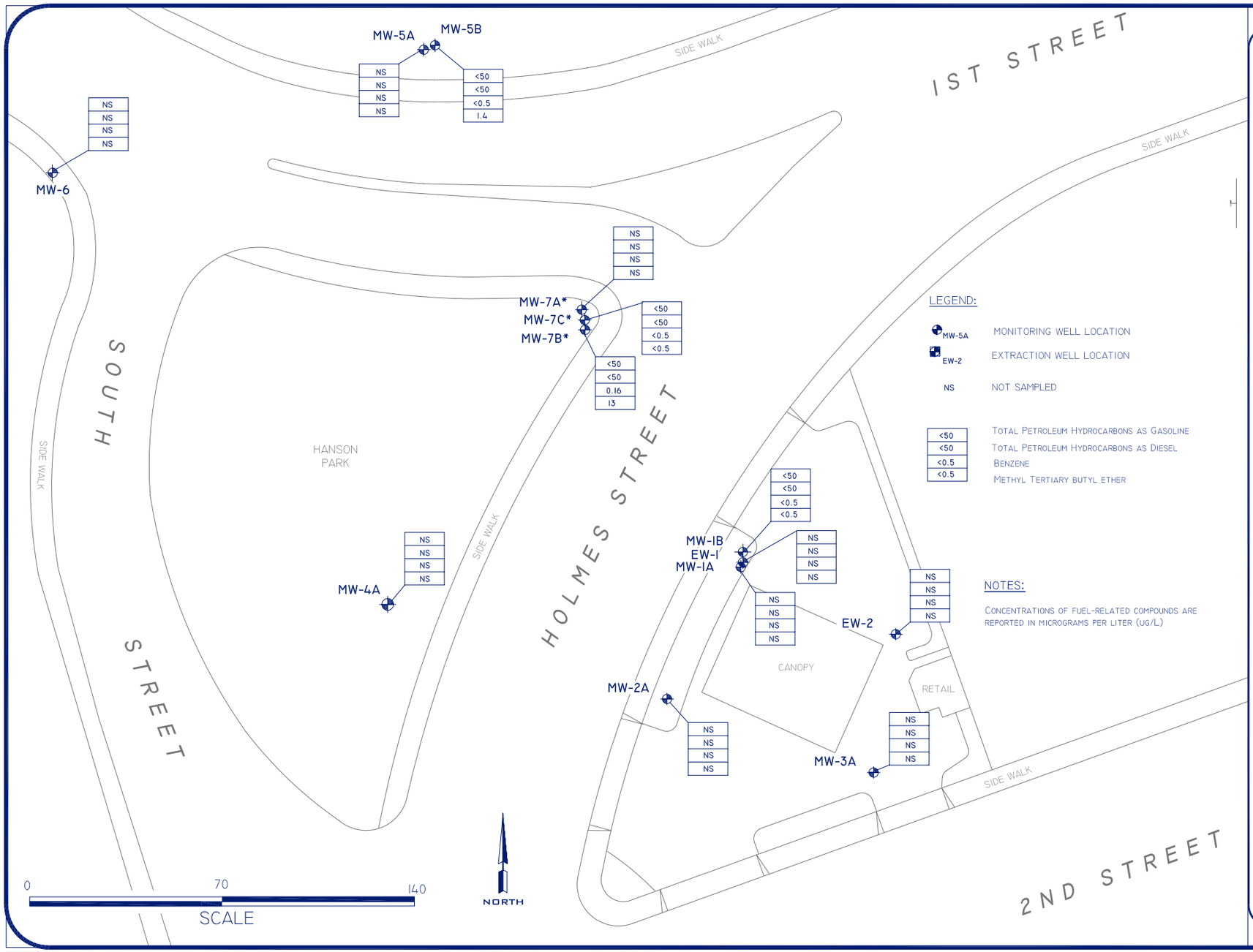

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Sheet Name and Address
CONCENTRATION OF FUEL-RELATED HYDROCARBONS IN GROUNDWATER

THIRD QUARTER 2007 GROUNDWATER MONITORING REPORT

Project	Sheet
015-01-002	FIGURE 4
Date: 9-6-07	
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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
	7/16/07	**465.03**		**Dry**	**NC**
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
	7/16/07	**465.02**		**35.57**	**429.45**
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
	7/16/07	**464.94**		**Dry**	**NC**
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
	7/16/07	**465.84**		**Dry**	**NC**
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
	7/16/07	**464.96**		**Dry**	**NC**

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
	7/16/07	**464.64**		**Dry**	**NC**
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
	7/16/07	**464.59**		**36.50**	**428.09**
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
	7/16/07	**464.13**	**Well obstructed**	**NM**	**NC**

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
	7/16/07	**465.32**		**Dry**	**NC**
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
	7/16/07	**465.39**		**36.40**	**428.99**
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
	7/16/07	**465.39**		**36.70**	**428.69**
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
	7/16/07	**465.45**		**NM**	**NC**
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
	7/16/07	**465.99**		**NM**	**NC**
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	NS	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
	7/16/07	**NC**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**
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
	7/16/07	**429.45**	**<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**

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*	8/11/00	NC	4,500	1,900	220	52	160	170	3,000	NA	NA	NA	NA	NA	NA	NA	NA	NA
	10/19/00	443.14	3,400	1,300	150	21	100	70	1,900	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2/22/01	442.07	7,600	880	25	<10	69	25	2,200	NA	NA	NA	NA	NA	NA	NA	NA	NA
	5/30/01	NC	not sampled - well dry							NA	NA	NA	NA	NA	NA	NA	NA	NA
	11/14/01	NC	not sampled - well dry							NA	NA	NA	NA	NA	NA	NA	NA	NA
	5/7/02	438.24	400	86	5.4	<0.5	1.9	2.3	230	NA	NA	NA	NA	NA	NA	NA	NA	NA
	9/11/02	438.98	260	NA	1.3	<0.5	0.57	0.77	200	NA	NA	NA	NA	NA	NA	NA	NA	NA
	12/1/02	437.38	250	120	7.9	1.6	13	9.9	180	NA	NA	NA	NA	NA	NA	NA	NA	NA
	3/14/03	442.53	830	110	56	<0.5	<0.5	<1.0	1,200	NA	NA	NA	NA	NA	NA	NA	NA	NA
	6/25/03	442.97	260	180	0.92	2.9	3.1	8.1	2,000	NA	NA	NA	NA	NA	NA	NA	NA	NA
	9/16/03	440.24	420	260	3.6	3.4	5.2	2.4	1,300	NA	NA	NA	NA	NA	NA	NA	NA	NA
	12/22/03	443.36	240	120	0.82	3.1	7.8	3.9	1,400	NA	NA	NA	NA	NA	NA	NA	NA	NA
	3/10/04	447.63	280	210	9.4	4.2	14	11	1,400	NA	NA	NA	NA	NA	NA	NA	NA	NA
	6/15/04	442.76	150	150	2.1	2.4	2.2	1.3	1,500	NA	NA	NA	NA	NA	NA	NA	NA	NA
	9/17/04	439.50	61	70	<0.5	1.0	<0.5	<0.5	730	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW- 2A* (cont.)	12/10/04	442.94	84	110	<0.5	1.2	<0.5	1.5	1,300	NA	NA	NA	NA	NA	NA	NA	NA	NA
	3/2/05	448.19	63	91	0.55	<0.5	0.63	0.51	1,000	NA	NA	NA	NA	NA	NA	NA	NA	NA
	5/27/05	446.65	270	59	14	3.9	19	6.8	1,100	NA	NA	NA	NA	NA	NA	NA	NA	NA
	7/21/05	444.48	280	NS	8.6	2.5	17	2.5	1,500	NA	NA	NA	NA	NA	NA	NA	NA	NA
	10/10/05	442.64	<50	NS	<.5	<.5	<.5	<.5	680	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1/9/06	447.27	1,700	890	4.4	1.3	120	18	530	<10	330	<10	<10	590	<1000	<10,000	<10	<10
	4/7/06	449.47	110	160	0.61	0.80	4.1	<0.5	270	<5.0	660	<5.0	<5.0	240	<500	<5,000	<5.0	<5.0
	7/27/06	442.67	<50	120	<0.5	0.84	<0.5	<0.5	87	<5.0	870	<5.0	<5.0	110	NA	NA	NA	NA
	10/12/06	441.59	<50	70	<0.5	<0.5	<0.5	<0.5	29	<5.0	480	<5.0	<5.0	30	<500	<5000	NA	NA
	1/3/07	444.04	55	60	0.57	<0.5	<0.5	<0.5	8.5	<2.5	590	<2.5	<2.5	7.8	<250	<2,500	<2.5	<2.5
	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
	7/16/07	**NC**	**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
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
	7/16/07	**NC**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**
MW-4**	11/14/01	431.31	510	90	4.0	<0.5	<0.5	<0.5	14	NA	NA	NA	NA	NA	NA	NA	NA	NA
	5/7/02	438.40	150	<50	3.5	0.5	<0.5	<0.5	48	NA	NA	NA	NA	NA	NA	NA	NA	NA
	9/11/02	438.49	<50	NA	<0.5	<0.5	<0.5	<0.5	15	NA	NA	NA	NA	NA	NA	NA	NA	NA
	12/1/02	436.76	<50	<50	<0.5	<0.5	<0.5	<0.5	24	NA	NA	NA	NA	NA	NA	NA	NA	NA
	3/14/03	442.01	<50	<50	<0.5	<0.5	<0.5	<0.5	<1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
	6/25/03	442.43	<50	<50	<0.5	<0.5	<0.5	<0.5	<1.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
	9/16/03	439.76	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
	12/22/03	442.73	<50	69	<0.5	<0.5	<0.5	<0.5	<5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
	3/10/04	446.95	<50	<50	<0.5	<0.5	<0.5	<0.5	37	NA	NA	NA	NA	NA	NA	NA	NA	NA
	6/15/04	442.20	<50	<50	<0.5	<0.5	<0.5	<0.5	7.4	NA	NA	NA	NA	NA	NA	NA	NA	NA

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

Well ID	Date Collected	Groundwater Elevation (feet above MSL)	Total Petroleum Hydrocarbonss (µg/L)		Aromatic Volatile Organic Compounds (µg/L)					Oxygenated Volatile Organics (µg/L)							Lead Scavengers (µg/L)	
			Gasoline	Diesel	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE (8021B)	TAME	TBA	DIPE	ETBE	MTBE	ethanol	methanol	EDB	1,2-DCA
MW-4** (cont.)	9/17/04	439.03	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
	12/10/04	442.42	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
	3/2/05	447.55	<50	<50	<0.5	<0.5	<0.5	<0.5	14	NA	NA	NA	NA	NA	NA	NA	NA	NA
	5/27/05	446.01	<50	<50	<0.5	<0.5	<0.5	<0.5	9.6	NA	NA	NA	NA	NA	NA	NA	NA	NA
	7/21/05	443.90	<50	NS	<0.5	<0.5	<0.5	<0.5	<5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
	10/10/05	442.30	<50	NS	<0.5	<0.5	<0.5	<0.5	<5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1/9/06	446.61	<50	<50	<0.5	<0.5	<0.5	<0.5	0.86	<0.5	<5.0	<0.5	<5.0	0.86	<50	<500	<5.0	<5.0
MW-4A	3/13/06	445.87	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<5.0	<0.5	<0.5	0.70	<50	<500	<0.5	<0.5
	4/7/06	448.77	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<5.0	<0.5	<5.0	1.1	<50	<500	<0.5	<0.5
	7/28/06	442.09	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<5.0	<0.5	<0.5	3.0	NA	NA	NA	NA
	10/13/06	441.06	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<5.0	<0.5	<0.5	2.0	<50	<500	NA	NA
	1/4/07	443.44	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<5.0	<0.5	<0.5	0.79	<50	<500	<0.5	<0.5
	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
	7/16/07	**NC**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**
MW-5**	11/14/01	429.71	<50	<66	<0.5	<0.5	<0.5	<0.5	8.2	NA	NA	NA	NA	NA	NA	NA	NA	NA
	5/7/02	436.75	140	<50	<0.5	<0.5	<0.5	<0.5	110	NA	NA	NA	NA	NA	NA	NA	NA	NA
	9/11/02	436.66	<50	NA	<0.5	<0.5	<0.5	<0.5	6.3	NA	NA	NA	NA	NA	NA	NA	NA	NA
	12/1/02	435.15	73	<50	<0.5	<0.5	<0.5	<0.5	160	NA	NA	NA	NA	NA	NA	NA	NA	NA
	3/14/03	440.39	110	<50	<0.5	<0.5	<0.5	<0.5	170	NA	NA	NA	NA	NA	NA	NA	NA	NA
	6/25/03	440.64	<50	<50	<0.5	<0.5	<0.5	<0.5	89	NA	NA	NA	NA	NA	NA	NA	NA	NA
	9/16/03	437.82	630	<50	<0.5	3.5	<0.5	2.6	1500	NA	NA	NA	NA	NA	NA	NA	NA	NA
	12/22/03	440.97	<0.5	<50	<0.5	<0.5	<0.5	<0.5	630	NA	NA	NA	NA	NA	NA	NA	NA	NA
	3/10/04	445.43	57	<50	<0.5	<0.5	<0.5	<0.5	1100	NA	NA	NA	NA	NA	NA	NA	NA	NA
	6/15/04	440.45	<50	<50	<0.5	<0.5	<0.5	<0.5	750	NA	NA	NA	NA	NA	NA	NA	NA	NA
	9/17/04	436.97	<50	<50	<0.5	<0.5	<0.5	<0.5	780	NA	NA	NA	NA	NA	NA	NA	NA	NA
	12/10/04	440.72	<50	<50	<0.5	<0.5	<0.5	<0.5	120	NA	NA	NA	NA	NA	NA	NA	NA	NA
	3/2/05	446.09	<50	<50	<0.5	<0.5	<0.5	<0.5	320	NA	NA	NA	NA	NA	NA	NA	NA	NA
	5/27/05	444.50	<50	<50	<0.5	<0.5	<0.5	<0.5	120	NA	NA	NA	NA	NA	NA	NA	NA	NA
	7/21/05	442.10	<50	NS	<0.5	<0.5	<0.5	<0.5	97	NA	NA	NA	NA	NA	NA	NA	NA	NA
	10/10/05	441.30	<50	NS	<0.5	<0.5	<0.5	<0.5	41	NA	NA	NA	NA	NA	NA	NA	NA	NA
	1/9/06	445.12	<50	<50	<0.5	<0.5	<0.5	<0.5	37	<0.5	<5.0	<0.5	<5.0	<5.0	<50	<500	<0.5	<0.5
MW-5A	3/13/06	444.48	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<5.0	<0.5	<0.5	<0.5	<50	<500	<0.5	<0.5
	4/7/06	447.29	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<5.0	<0.5	<0.5	<0.5	<50	<500	<0.5	<0.5
	7/28/06	440.24	<50	62	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<5.0	<0.5	<0.5	<0.5	NA	NA	NA	NA
	10/13/06	439.06	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	6.3	<0.5	<0.5	0.61	<50	<500	NA	NA
	1/4/07	442.11	<50	320	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<5.0	<0.5	<0.5	<0.5	<50	<500	<0.5	<0.5
	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
	7/16/07	**NC**	**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
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
	7/17/07	**428.09**	**<50**	**<50**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<5.0**	**<0.5**	**<5.0**	**<0.5**	**<0.5**	**1.4**	**<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
	7/16/07	**NC**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**
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
	7/16/07	**NC**	**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
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
	7/17/07	**428.99**	**<50**	**<50**	**0.61**	**0.63**	**<0.5**	**<0.5**	**13**	**<17**	**4,000**	**<17**	**<17**	**<17**	**<1700**	**<17,000**	**<17**	**<17**
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
	7/17/07	**428.69**	**<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

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

Well ID	Date Collected	Groundwater Elevation (feet above MSL)	Total Petroleum Hydrocarbonss (µg/L)		Aromatic Volatile Organic Compounds (µg/L)					Oxygenated Volatile Organics (µg/L)							Lead Scavengers (µg/L)	
			Gasoline	Diesel	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE (8021B)	TAME	TBA	DIPE	ETBE	MTBE	ethanol	methanol	EDB	1,2-DCA
EW-1	3/13/06	446.47	210	120	5.0	4.1	7.5	12	3,400	<50	<100	<50	<50	2,300	<5,000	<50,000	<50	<50
	4/7/06	449.46	1,900	190	66	170	110	380	7,900	<100	<1000	<100	<100	6,400	<10,000	<100,000	<100	<100
	7/27/06	441.60	280	100	7.4	5.5	12	28	8,400	<500	<5,000	<500	<500	12,000	NA	NA	NA	NA
	10/12/06	441.94	2,100	130	86	19	100	310	2,400	<50	1,400	<50	<50	2,800	<5,000	180,000	NA	NA
	1/4/07	444.00	1,600	150	56	27	110	240	5,000	<50	2,900	<50	<50	4,900	<5,000	<50,000	<50	<50
	4/13/07	441.76	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	7/16/07	**NC**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**
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
	7/16/07	**NC**	**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	######	--	--	--	--	--	--	--	--	--
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
In-1	6/29/07	1,100	33	11	8.4	12	3,800

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

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

Sample Date	TTOs* (µg/L)	Detected TTOs (µg/L)	
		MTBE	TBA
9/11/06	ND	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
6/4/07	ND	240	<50
6/29/07	ND	300	2,300
7/16/07	ND	<1.0	<1.0

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

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

Extraction Batch Number	Date*	Extraction Well	Influent Concentration			Gallons Processed		Estimated Extraction Flow Rate (gpm)	Mass Removed (pounds)					
									Batch Amount			Cumulative Total		
			TPHg	Benzene	MTBE	Batch Amount	Cumulative Total		TPHg	Benzene	MTBE	TPHg	Benzene	MTBE
1	9/8/06	EW-1	1,600	110	11,000	5,560	5,560	10	0.074	0.0051	0.51	0.074	0.005	0.51
2	9/29/06	EW-1	1,800	120	13,000	5,575	11,135	10	0.083	0.0056	0.60	0.157	0.011	1.11
3	11/21/06	EW-2	1,100	55	2,600	5,000	16,135	14	0.046	0.0023	0.11	0.203	0.013	1.22
4	12/14/06	EW-1	4,800	270	17,000	5,721	21,856	12	0.220	0.0128	0.81	0.423	0.026	2.03
5	1/16/07	EW-1	3,000	230	16,000	5,506	27,362	12	0.137	0.0105	0.73	0.560	0.036	2.76
6	2/7/07	EW-1	2,900	240	15,000	5,425	32,787	10	0.131	0.0108	0.68	0.691	0.047	3.44
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
11	6/29/07	EW-1	1,100	33	3,800	6,200	62,492	10	0.057	0.0017	0.20	1.269	0.081	6.32

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

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APPENDIX A
Groundwater Monitoring Field Protocol

Appendix A

Groundwater Monitoring Protocol

Well Monitoring and Sample Collection

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

Equipment Decontamination

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

Field Personnel

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

Waste Disposal

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

APPENDIX B
Groundwater Sampling Field Logs
Interim Remedial Cleanup Field Logs

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Groundwater Sampling Field Log

Site Address 160 Holmes	Date 7-16-07
Project Number	Field Personnel EN/GN

Monitoring Well Information

Monitoring Well ID MW-1B	Monitoring Well Diameter (inches) 2.0
– Depth to Water (feet) 35.57	Water Column (feet) 19.43
– Total Depth (feet) 55	80% Recharge Depth (feet)
– Depth to Product (feet)	1 Well Volume (gallons) 3.30
Comments	

Field Measurements and Observations

Time	Depth to Water	Purge Volume	Conductivity	Temperature	pH	Turbidity	Color	Odor
	35.57	3.50	603 µS	19.2°C	8.84	Low	brown	none
	1	1	627 µS	19.3°C	8.34	1	1	1
			672 µS	19.3°C	8.82			

Total Purge Volume	Comments

Groundwater Sampling Information

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

Groundwater Sampling Field Log

Site Address 160 Holmes	Date 7-17-07
Project Number	Field Personnel EN/GN

Monitoring Well Information

Monitoring Well ID MW-1A	Monitoring Well Diameter (inches) 2.0
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
			DRY					

Total Purge Volume	Comments

Groundwater Sampling Information

Sample ID MW-1A	Sample Time
Sample Containers (Number/Type)	
Comments DRY	

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Groundwater Sampling Field Log

Site Address 160 Holmes	Date 7-17-07
Project Number	Field Personnel EN / GN

Monitoring Well Information

Monitoring Well ID MW-2A	Monitoring Well Diameter (inches) 2
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	Conduc-tivity	Temper-ature	pH	Turbidity	Color	Odor
			DRY					

Total Purge Volume	Comments

Groundwater Sampling Information

Sample ID MW-2A	Sample Time
Sample Containers (Number/Type)	
Comments	

Groundwater Sampling Field Log

Site Address 160 Holmes	Date 7-17-07
Project Number	Field Personnel EN / GN

Monitoring Well Information

Monitoring Well ID MW-3A	Monitoring Well Diameter (inches) 2
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	Conduc-tivity	Temper-ature	pH	Turbidity	Color	Odor
			DRY					

Total Purge Volume	Comments

Groundwater Sampling Information

Sample ID MW-3A	Sample Time
Sample Containers (Number/Type)	
Comments	

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Groundwater Sampling Field Log

Site Address 160 Holmes	Date 7-17-07
Project Number	Field Personnel EN / GN

Monitoring Well Information

Monitoring Well ID MW-4A	Monitoring Well Diameter (inches) 2
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	Conduc-tivity	Temper-ature	pH	Turbidity	Color	Odor
			DRY					

Total Purge Volume	Comments

Groundwater Sampling Information

Sample ID MW-4A	Sample Time
Sample Containers (Number/Type)	
Comments	

Groundwater Sampling Field Log

Site Address 160 Holmes	Date 7-17-07
Project Number	Field Personnel EN / GN

Monitoring Well Information

Monitoring Well ID MW-7A	Monitoring Well Diameter (inches) 2
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	Conduc-tivity	Temper-ature	pH	Turbidity	Color	Odor
			DRY					

Total Purge Volume	Comments

Groundwater Sampling Information

Sample ID MW-7A	Sample Time
Sample Containers (Number/Type)	
Comments	

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Groundwater Sampling Field Log

Site Address 160 Holmes	Date 7.17.07
Project Number	Field Personnel

Monitoring Well Information

Monitoring Well ID MW-5A	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
			DRY					

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 7.17.07
Project Number	Field Personnel DR, EN

Monitoring Well Information

Monitoring Well ID MW-5B	Monitoring Well Diameter (inches) 2.0
Depth to Water (feet) ~~—~~ 36.5	Water Column (feet) 18.0
Total Depth (feet) ~~[illegible]~~ 54.5	80% Recharge Depth (feet)
Depth to Product (feet)	1 Well Volume (gallons) 3.06

Comments

Field Measurements and Observations

Time	Depth to Water	Purge Volume	Conductivity	Temperature	pH	Turbidity	Color	Odor
	36.5	3.06	700uS	22.1°C	7.58	LOW	Light BRN	N/A
			~~[illegible]~~					
			713uS	21.3°C	7.52	MOD	BRN	
			719uS	20.9°C	7.48	MOD	BRN	

Total Purge Volume	Comments

Groundwater Sampling Information

Sample ID MW-5B	Sample Time 1:14pm

Sample Containers (Number/Type) 3 Voc 1 amber

Comments

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Groundwater Sampling Field Log

Site Address 160 Holmes	Date 7-16-07
Project Number	Field Personnel

Monitoring Well Information

Monitoring Well ID MW-6	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	Conduc-tivity	Temper-ature	pH	Turbidity	Color	Odor
		Well Obstructed - No Sample						

Total Purge Volume	Comments

Groundwater Sampling Information

Sample ID	Sample Time
Sample Containers (Number/Type)	
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	Conduc-tivity	Temper-ature	pH	Turbidity	Color	Odor

Total Purge Volume	Comments

Groundwater Sampling Information

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

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Groundwater Sampling Field Log

Site Address 160 Holmes	Date 7-17-07
Project Number	Field Personnel EN/GN

Monitoring Well Information

Monitoring Well ID MW-7S	Monitoring Well Diameter (inches) 2
Depth to Water (feet) 36.40	Water Column (feet) 32.60
Total Depth (feet) 67.0	80% Recharge Depth (feet)
Depth to Product (feet)	1 Well Volume (gallons) 5.54
Comments	

Field Measurements and Observations

Time	Depth to Water	Purge Volume	Conductivity	Temperature	pH	Turbidity	Color	Odor
	36.40	5.54	882 µS	20.8°C	7.14	moderate	BRN	none
	/	/	841 µS	20.3°C	7.46	/	/	/
			833	19.6°C	7.40			

Total Purge Volume	Comments

Groundwater Sampling Information

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

Groundwater Sampling Field Log

Site Address 160 Holmes	Date 7-17-07
Project Number	Field Personnel EN/GN

Monitoring Well Information

Monitoring Well ID MW7-C	Monitoring Well Diameter (inches) 2
Depth to Water (feet) 36.70	Water Column (feet) 33.30
Total Depth (feet) 70.0	80% Recharge Depth (feet)
Depth to Product (feet)	1 Well Volume (gallons) 5.66
Comments	

Field Measurements and Observations

Time	Depth to Water	Purge Volume	Conductivity	Temperature	pH	Turbidity	Color	Odor
	36.70	70.0	559 µS	20.5°C	8.00	moderate	brown	none
	/	/	657 µS	20.0°C	7.81	/	/	/
			674 µS	19.6°C	7.77			

Total Purge Volume	Comments

Groundwater Sampling Information

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

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Interim remedial clean-up field log

160 Holmes Street, Livermore, CA

GWTS OBSERVATIONS AND MEASUREMENTS

DATE:	6/12/07	**WELL ID :**	Tank-1
PERSONNEL:	EA		
DEPTH TO WATER:			
PUMP DEPTH INITIAL:		**FLOW RATE INITIAL**	
COMPLETED DEPTH:		1 HOUR	
		2 HOUR	
		3 HOUR	
		4 HOUR	
FLOW TOTALIZE		5 HOUR	
INITIAL TOTAL		6 HOUR	
COMPLETED TOTAL		7 HOUR	
TOTAL GALLONS PUMPED		8 HOUR	

GPH

SAMPLES COLLECTED

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

NOTES:

TANK DISCHARGE:

TOTAL GALLONS DISCHARGED:

~6,000 gallons discharged

ALLTERRA

Interim remedial clean-up field log

160 Holmes street, Livermore, CA

GWTS OBSERVATIONS AND MEASUREMENTS

DATE:	6/28/07
PERSONNEL:	D.L.
WELL ID :	EW-1
DEPTH TO WATER:	
PUMP DEPTH INITIAL:	
COMPLETED DEPTH:	

FLOW TOTALIZE

INITIAL TOTAL	
COMPLETED TOTAL	
TOTAL GALLONS PUMPED	~3,000

	GPH
FLOW RATE INITIAL	8.05
1 HOUR	8.00
2 HOUR	|
3 HOUR	7.00
4 HOUR	|
5 HOUR	|
6 HOUR	|
7 HOUR	6.00
8 HOUR	

SAMPLES COLLECTED

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

NOTES:

TANK DISCHARGE:

TOTAL GALLONS DISCHARGED:

ALLTERRA

Interim remedial clean-up field log

160 Holmes St, Livermore, CA

GWTS OBSERVATIONS AND MEASUREMENTS

DATE:	6/29/07
PERSONNEL:	EA
WELL ID :	EW-1
DEPTH TO WATER:	
PUMP DEPTH INITIAL:	
COMPLETED DEPTH:	

FLOW TOTALIZE

INITIAL TOTAL	0
COMPLETED TOTAL	3200
TOTAL GALLONS PUMPED	3200

	GPH
FLOW RATE INITIAL	
1 HOUR	12.0
2 HOUR	11.0
3 HOUR	10.0
4 HOUR	10.0
5 HOUR	10.0
6 HOUR	9.5
7 HOUR	
8 HOUR	

SAMPLES COLLECTED

TANK-1	✓	**DATE:**	6/29/07
IN-1	✓	**DATE:**	6/29/07

NOTES:

TANK DISCHARGE:

TOTAL GALLONS DISCHARGED:

ALLTERRA

Interim remedial clean-up field log

160 Holmes street, Livermore, CA

GWTS OBSERVATIONS AND MEASUREMENTS

DATE:	7/26/07
PERSONNEL:	SC
WELL ID :	Tank-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:

TOTAL GALLONS DISCHARGED:

6,200

APPENDIX C
Certified Analytical Reports and Chain of Custody

McCampbell Analytical, Inc.
"When Quality Counts"

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

Allterra Environmental, Inc 849 Almar Ave, Ste. C #281 Santa Cruz, CA 95060	Client Project ID: #015-01-002; 160 Holmes	Date Sampled: 07/16/07-07/17/07
		Date Received: 07/20/07
	Client Contact: James Allen	Date Reported: 07/27/07
	Client P.O.:	Date Completed: 07/27/07

WorkOrder: 0707441

July 27, 2007

Dear James:

Enclosed are:

1). the results of **4** analyzed samples from your **#015-01-002; 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

0707441

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

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

Report and Bill to: Allterra Environmental, Inc.
Project Number: 015-01-002
Project Location: 160 holmes
Project Name:
Sampler Signature:

	Sample ID	Sample Collection		Sample Containers		Matrix					Preservation				TPHg, BTEX,MTBE(EPA 8015M/8021)	MTBE (EPA 8260B)	TPHd (EPA 8015)	5-FUEL OXYS (EPA 8260)	Ethanol and Methanol (EPA 8260)	Total Lead (EPA 6010)	TBA/TAME/1,2-DCA (EPA 8260)	Hardness/Total dissolved solids	Lead Scavengers (8260)	LUFT 5 Metals (EPA 6010/6020)	PAH's/ PNA's (EPA 8270,625/8310)	TTOS+MTBE+TBA(EPA 624)	Metals by (EPA 200 Series)	EDF required
		Date	Time	Number of Containers	Container Type	Air	Water	Soil	Sludge	Other	Ice	HCl	HNO_3	Other														
1	MW-1B	7/16/07		4	voa/amber		X				X	X			X		X	X										X
2	MW-7B	7/17/07		4	voa/amber		X				X	X			X		X	X										X
3	MW-7C	7/17/07		4	voa/amber		X				X	X			X		X	X										X
4	MW-5B	7/17/07		4	voa/amber		X				X	X			X		X	X										X

Sampled By:	7-19-07	Time:	Received By:
Received By:	Date: 7/20/07	Time: 8am	Received By:
Received By:	Date:	Time:	Received By:

ICE? 21.6
GOOD CONDITION ✓
HEAD SPACE ABSENT ✓
DECHLORINATED IN LAB
APPROPRIATE CONTAINERS ✓
PRESERVED IN LAB
PRESERVATION: VOAS ✓ O&G | METALS | OTHER

REC'D SEALED & INTACT VIA C/O

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

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0707441 **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: #015-01-002; 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 **07/20/2007**
Date Printed: **07/20/2007**

Sample ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
0707441-001	MW-1B	Water	07/16/07	☐	C	A		B								
0707441-002	MW-7B	Water	07/17/07	☐	C	A		B								
0707441-003	MW-7C	Water	07/17/07	☐	C	A	A	B								
0707441-004	MW-5B	Water	07/17/07	☐	C	A		B								

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: 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"

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

Sample Receipt Checklist

Client Name: **Allterra Environmental, Inc**

Date and Time Received: **07/20/07 12:18:17 PM**

Project Name: **#015-01-002; 160 Holmes**

Checklist completed and reviewed by: Maria Venegas

WorkOrder N°: **0707441** 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: 21.6°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:

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Allterra Environmental, Inc 849 Almar Ave, Ste. C #281 Santa Cruz, CA 95060	Client Project ID: #015-01-002; 160 Holmes	Date Sampled: 07/16/07-07/17/07
		Date Received: 07/20/07
	Client Contact: James Allen	Date Extracted: 07/25/07
	Client P.O.:	Date Analyzed 07/25/07

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

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0707441

Lab ID	0707441-001C	0707441-002C	0707441-003C	0707441-004C	Reporting Limit for DF =1	
Client ID	MW-1B	MW-7B	MW-7C	MW-5B		
Matrix	W	W	W	W		
DF	1	33	1	1	S	W
Compound	**Concentration**				ug/kg	µg/L
tert-Amyl methyl ether (TAME)	ND	ND<17	ND	ND	NA	0.5
t-Butyl alcohol (TBA)	ND	4000	ND	ND	NA	5.0
1,2-Dibromoethane (EDB)	ND	ND<17	ND	ND	NA	0.5
1,2-Dichloroethane (1,2-DCA)	ND	ND<17	ND	ND	NA	0.5
Diisopropyl ether (DIPE)	ND	ND<17	ND	ND	NA	0.5
Ethanol	ND	ND<1700	ND	ND	NA	50
Ethyl tert-butyl ether (ETBE)	ND	ND<17	ND	ND	NA	0.5
Methanol	ND	ND<17,000	ND	ND	NA	500
Methyl-t-butyl ether (MTBE)	ND	ND<17	ND	1.4	NA	0.5
Surrogate Recoveries (%)						
%SS1:	105	105	106	105		
Comments						

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

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

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

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

DHS ELAP Certification N° 1644

Angela Rydelius, Lab Manager

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"When Quality Counts"

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

Allterra Environmental, Inc	Client Project ID: #015-01-002; 160 Holmes	Date Sampled: 07/16/07-07/17/07
849 Almar Ave, Ste. C #281		Date Received: 07/20/07
Santa Cruz, CA 95060	Client Contact: James Allen	Date Extracted: 07/23/07-07/24/07
	Client P.O.:	Date Analyzed 07/23/07-07/24/07

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

Extraction method SW5030B Analytical methods SW8021B/8015Cm Work Order: 0707441

Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS
001A	MW-1B	W	ND	ND	ND	ND	ND	ND	1	90
002A	MW-7B	W	ND	13	0.61	0.63	ND	ND	1	106
003A	MW-7C	W	ND	ND	ND	ND	ND	ND	1	91
004A	MW-5B	W	ND	ND	ND	ND	ND	ND	1	90

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

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Allterra Environmental, Inc 849 Almar Ave, Ste. C #281 Santa Cruz, CA 95060	Client Project ID: #015-01-002; 160 Holmes	Date Sampled: 07/16/07-07/17/07
		Date Received: 07/20/07
	Client Contact: James Allen	Date Extracted: 07/20/07
	Client P.O.:	Date Analyzed 07/23/07

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

Extraction method SW3510C Analytical methods SW8015C Work Order: 0707441

Lab ID	Client ID	Matrix	TPH(d)	DF	% SS
0707441-001B	MW-1B	W	ND	1	84
0707441-002B	MW-7B	W	ND	1	83
0707441-003B	MW-7C	W	ND	1	81
0707441-004B	MW-5B	W	ND	1	95

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

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QC SUMMARY REPORT FOR SW8015C

W.O. Sample Matrix: Water QC Matrix: Water WorkOrder 0707441

EPA Method SW8015C **Extraction SW3510C** **BatchID: 29364** **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	96.8	90.1	7.14	N/A	N/A	70 - 130	30
%SS:	N/A	2500	N/A	N/A	N/A	90	82	8.32	N/A	N/A	70 - 130	30

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

NONE

BATCH 29364 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0707441-001B	07/16/07	07/20/07	07/23/07 5:28 PM	0707441-002B	07/17/07	07/20/07	07/23/07 4:19 PM
0707441-003B	07/17/07	07/20/07	07/23/07 3:10 PM	0707441-004B	07/17/07	07/20/07	07/23/07 1:25 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.

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QC SUMMARY REPORT FOR SW8260B

W.O. Sample Matrix: Water QC Matrix: Water WorkOrder 0707441

EPA Method SW8260B **Extraction SW5030B** **BatchID: 29441** **Spiked Sample ID: 0707429-003B**

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	97.3	100	2.81	101	103	1.00	70 - 130	30	70 - 130	30
t-Butyl alcohol (TBA)	ND	50	102	103	1.19	101	98.8	1.94	70 - 130	30	70 - 130	30
Diisopropyl ether (DIPE)	ND	10	106	105	0.480	111	113	2.18	70 - 130	30	70 - 130	30
Ethyl tert-butyl ether (ETBE)	ND	10	99.6	97.5	2.13	105	107	1.47	70 - 130	30	70 - 130	30
Methyl-t-butyl ether (MTBE)	ND	10	95.9	95.5	0.483	104	103	0.839	70 - 130	30	70 - 130	30
%SS1:	114	10	96	99	3.71	111	109	1.68	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 29441 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0707441-001C	07/16/07	07/25/07	07/25/07 5:01 PM	0707441-002C	07/17/07	07/25/07	07/25/07 8:03 PM
0707441-003C	07/17/07	07/25/07	07/25/07 8:55 PM	0707441-004C	07/17/07	07/25/07	07/25/07 7:17 PM

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

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

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

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

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

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QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Water QC Matrix: Water WorkOrder 0707441

EPA Method SW8021B/8015Cm **Extraction SW5030B** **BatchID: 29443** **Spiked Sample ID: 0707440-012A**

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	107	109	1.19	104	99.8	4.40	70 - 130	30	70 - 130	30
MTBE	ND	10	116	105	9.88	85.5	83.3	2.62	70 - 130	30	70 - 130	30
Benzene	ND	10	109	103	5.35	95.7	91.8	4.17	70 - 130	30	70 - 130	30
Toluene	ND	10	123	114	7.38	95.7	91.8	4.18	70 - 130	30	70 - 130	30
Ethylbenzene	ND	10	118	111	5.38	100	96.2	4.00	70 - 130	30	70 - 130	30
Xylenes	ND	30	127	123	2.67	113	110	2.99	70 - 130	30	70 - 130	30
%SS:	102	10	103	94	9.81	91	92	0.313	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 29443 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0707441-001A	07/16/07	07/24/07	07/24/07 3:29 AM	0707441-002A	07/17/07	07/24/07	07/24/07 10:20 PM

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

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

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

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

cluttered chromatogram; sample peak coelutes with surrogate peak.

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QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Water QC Matrix: Water WorkOrder 0707441

EPA Method SW8021B/8015Cm **Extraction SW5030B** **BatchID: 29452** **Spiked Sample ID: 0707467-001A**

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	111	111	0	106	102	4.31	70 - 130	30	70 - 130	30
MTBE	ND	10	116	112	4.12	94.5	90.7	4.03	70 - 130	30	70 - 130	30
Benzene	ND	10	105	95.8	8.92	92.4	83.7	9.78	70 - 130	30	70 - 130	30
Toluene	ND	10	117	107	9.04	98.5	89.5	9.55	70 - 130	30	70 - 130	30
Ethylbenzene	ND	10	112	105	6.57	97.3	89.6	8.25	70 - 130	30	70 - 130	30
Xylenes	ND	30	123	117	5.56	99.7	90	10.2	70 - 130	30	70 - 130	30
%SS:	95	10	102	96	6.02	95	95	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 29452 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0707441-003A	07/17/07	07/23/07	07/23/07 5:26 PM	0707441-004A	07/17/07	07/23/07	07/23/07 6:04 PM

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

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

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

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

cluttered chromatogram; sample peak coelutes with surrogate peak.

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: 55764
Issued: 06/07/2007

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

Global ID: T0600102287

Certificate of Analysis - Final Report

On June 04, 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: 015-01-160
Project Name: 160 Holmes St
Project Location: Livermore
GlobalID: T0600102287

Certificate of Analysis - Data Report

Samples Received: 06/04/2007
Sample Collected by: Client

Lab # : 55764-001 **Sample ID: Tank-1** **Matrix:** Liquid **Sample Date:** 6/4/2007

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		5.0	2.5	µg/L	N/A	N/A	6/5/2007	WM1A070605A
Bromodichloromethane	ND		5.0	2.5	µg/L	N/A	N/A	6/5/2007	WM1A070605A
Bromoform	ND		5.0	2.5	µg/L	N/A	N/A	6/5/2007	WM1A070605A
Bromomethane	ND		5.0	2.5	µg/L	N/A	N/A	6/5/2007	WM1A070605A
Carbon Tetrachloride	ND		5.0	2.5	µg/L	N/A	N/A	6/5/2007	WM1A070605A
Chlorobenzene	ND		5.0	2.5	µg/L	N/A	N/A	6/5/2007	WM1A070605A
Chloroethane	ND		5.0	2.5	µg/L	N/A	N/A	6/5/2007	WM1A070605A
2-Chloroethyl-vinyl Ether	ND		5.0	25	µg/L	N/A	N/A	6/5/2007	WM1A070605A
Chloroform	ND		5.0	2.5	µg/L	N/A	N/A	6/5/2007	WM1A070605A
Chloromethane	ND		5.0	2.5	µg/L	N/A	N/A	6/5/2007	WM1A070605A
Dibromochloromethane	ND		5.0	2.5	µg/L	N/A	N/A	6/5/2007	WM1A070605A
1,2-Dichlorobenzene	ND		5.0	2.5	µg/L	N/A	N/A	6/5/2007	WM1A070605A
1,3-Dichlorobenzene	ND		5.0	2.5	µg/L	N/A	N/A	6/5/2007	WM1A070605A
1,4-Dichlorobenzene	ND		5.0	2.5	µg/L	N/A	N/A	6/5/2007	WM1A070605A
1,1-Dichloroethane	ND		5.0	2.5	µg/L	N/A	N/A	6/5/2007	WM1A070605A
1,2-Dichloroethane	ND		5.0	2.5	µg/L	N/A	N/A	6/5/2007	WM1A070605A
1,1-Dichloroethene	ND		5.0	2.5	µg/L	N/A	N/A	6/5/2007	WM1A070605A
trans-1,2-Dichloroethene	ND		5.0	2.5	µg/L	N/A	N/A	6/5/2007	WM1A070605A
1,2-Dichloropropane	ND		5.0	2.5	µg/L	N/A	N/A	6/5/2007	WM1A070605A
cis-1,3-Dichloropropene	ND		5.0	2.5	µg/L	N/A	N/A	6/5/2007	WM1A070605A
trans-1,3-Dichloropropene	ND		5.0	2.5	µg/L	N/A	N/A	6/5/2007	WM1A070605A
Ethyl Benzene	ND		5.0	2.5	µg/L	N/A	N/A	6/5/2007	WM1A070605A
Methylene Chloride	ND		5.0	100	µg/L	N/A	N/A	6/5/2007	WM1A070605A
1,1,2,2-Tetrachloroethane	ND		5.0	2.5	µg/L	N/A	N/A	6/5/2007	WM1A070605A
Tetrachloroethene	ND		5.0	2.5	µg/L	N/A	N/A	6/5/2007	WM1A070605A
Toluene	ND		5.0	2.5	µg/L	N/A	N/A	6/5/2007	WM1A070605A
1,1,1-Trichloroethane	ND		5.0	2.5	µg/L	N/A	N/A	6/5/2007	WM1A070605A
1,1,2-Trichloroethane	ND		5.0	2.5	µg/L	N/A	N/A	6/5/2007	WM1A070605A
Trichloroethene	ND		5.0	2.5	µg/L	N/A	N/A	6/5/2007	WM1A070605A
Trichlorofluoromethane	ND		5.0	2.5	µg/L	N/A	N/A	6/5/2007	WM1A070605A
Vinyl Chloride	ND		5.0	2.5	µg/L	N/A	N/A	6/5/2007	WM1A070605A
Methyl-t-butyl Ether	**200**		5.0	5.0	µg/L	N/A	N/A	6/5/2007	WM1A070605A
tert-Butanol (TBA)	ND		5.0	50	µg/L	N/A	N/A	6/5/2007	WM1A070605A

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	101	60 - 130
Dibromofluoromethane	88.1	60 - 130
Toluene-d8	97.2	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: WM1A070605A

Validated by: MaiChiTu - 06/06/07

QC Batch Analysis Date: 6/5/2007

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	**90.6**	60 - 130
Toluene-d8	**97.0**	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: WM1A070605A

Reviewed by: MaiChiTu - 06/06/07

QC Batch ID Analysis Date: 6/5/2007

LCS

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	Recovery Limits
1,1-Dichloroethene	<0.50	20	17.5	µg/L	87.5	70 - 130
Benzene	<0.50	20	18.5	µg/L	92.5	70 - 130
Chlorobenzene	<0.50	20	18.2	µg/L	91.0	70 - 130
Methyl-t-butyl Ether	<1.0	20	17.8	µg/L	89.0	70 - 130
Toluene	<0.50	20	17.2	µg/L	86.0	70 - 130
Trichloroethene	<0.50	20	17.5	µg/L	87.5	70 - 130

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	**105**	60 - 130
Dibromofluoromethane	**95.4**	60 - 130
Toluene-d8	**94.1**	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	2.26	25.0	70 - 130
Benzene	<0.50	20	18.2	µg/L	91.0	1.63	25.0	70 - 130
Chlorobenzene	<0.50	20	17.5	µg/L	87.5	3.92	25.0	70 - 130
Methyl-t-butyl Ether	<1.0	20	18.5	µg/L	92.5	3.86	25.0	70 - 130
Toluene	<0.50	20	16.9	µg/L	84.5	1.76	25.0	70 - 130
Trichloroethene	<0.50	20	17.0	µg/L	85.0	2.90	25.0	70 - 130

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	**104**	60 - 130
Dibromofluoromethane	**100**	60 - 130
Toluene-d8	**92.7**	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

55764

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	6/4/07	-001	4	VOA		X				X	X																	X
																4	VOAs	(HCL)										

6/4/07	06/04/07	Time: 1531	Received By:	
Received By:	Date:	Time:	Received By:	
Received By:	Date:	Time:	Received By:	

Comments: **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: #015.01.015; 160 Holmes	Date Sampled: 06/29/07
		Date Received: 07/06/07
	Client Contact: James Allen	Date Reported: 07/11/07
	Client P.O.:	Date Completed: 07/11/07

WorkOrder: 0707105

July 11, 2007

Dear James:

Enclosed are:

1). the results of **1** analyzed sample from your **#015.01.015; 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

0707105

ALLTERRA

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

Chain of Custody Record

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

Report and Bill to: Allterra Environmental, Inc.
Project Number: 015.01.015
Project Location: 160 HOLMES
Project Name:
Sampler Signature: ERIK ALLEN

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)	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)		EDF required
IN-I	6.29.07		2 VOAS	VOAS		✓				✓	✓			✓														✓

Sampled By: ERIK ALLEN	Date: ~~7.2.07~~ 6.29.07	Time: 9:10 AM	Received By:
Received By:	Date: 7/6/07	Time: 8am	Received By:
Received By:	Date:	Time:	Received By:

Comments:
ICE/T° 25.6
GOOD CONDITION ✓ ✓ APPROPRIATE ✓
HEAD SPACE ABSENT ___ CONTAINERS ___
DECHLORINATED IN LAB ___ PRESERVED IN LAB ___
PRESERVATION ✓ VOAS | O&G | METALS | OTHER

REC'D SEALED & INTACT VIA C10

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

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0707105 **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: #015.01.015; 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 **07/06/2007**
Date Printed: **07/06/2007**

Sample ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
0707105-001	IN-1	Water	06/29/07	☐	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

Sample Receipt Checklist

Client Name: **Allterra Environmental, Inc**
Date and Time Received: **07/06/07 11:44:33 AM**

Project Name: **#015.01.015; 160 Holmes**
Checklist completed and reviewed by: Maria Venegas

WorkOrder N°: **0707105** 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: 25.6°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"

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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: 06/29/07
849 Almar Ave, Ste. C #281		Date Received: 07/06/07
Santa Cruz, CA 95060	Client Contact: James Allen	Date Extracted: 07/07/07-07/10/07
	Client P.O.:	Date Analyzed 07/07/07-07/10/07

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

Extraction method SW5030B Analytical methods SW8021B/8015Cm Work Order: 0707105

Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS
001A	IN-1	W	1100,a	3800	33	11	8.4	12	1	103

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"

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

QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Water QC Matrix: Water WorkOrder 0707105

EPA Method SW8021B/8015Cm **Extraction SW5030B** **BatchID: 29132** **Spiked Sample ID: 0707079-001A**

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	101	100	1.03	98.9	91.4	7.90	70 - 130	30	70 - 130	30
MTBE	ND	10	107	116	8.29	101	104	3.05	70 - 130	30	70 - 130	30
Benzene	ND	10	102	103	1.37	97	97	0	70 - 130	30	70 - 130	30
Toluene	ND	10	94.3	94.8	0.471	92.3	93.8	1.66	70 - 130	30	70 - 130	30
Ethylbenzene	ND	10	106	105	1.01	101	101	0	70 - 130	30	70 - 130	30
Xylenes	ND	30	103	100	3.28	96.7	96.7	0	70 - 130	30	70 - 130	30
%SS:	95	10	94	99	4.48	94	94	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 29132 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0707105-001A	06/29/07	07/07/07	07/07/07 5:34 AM	0707105-001A	06/29/07	07/10/07	07/10/07 1:44 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: 56166
Issued: 07/09/2007

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

Global ID: T0600102287

Certificate of Analysis - Final Report

On June 29, 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	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: 015-01-160
Project Name: 160 Holmes St
Project Location: Livermore
GlobalID: T0600102287

Certificate of Analysis - Data Report

Samples Received: 06/29/2007
Sample Collected by: Client

Lab # : 56166-001 **Sample ID: Tank-1** **Matrix:** Liquid **Sample Date:** 6/29/2007 3:00 PM

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	7/5/2007	WM1A070705A
Bromodichloromethane	ND		10	5.0	µg/L	N/A	N/A	7/5/2007	WM1A070705A
Bromoform	ND		10	5.0	µg/L	N/A	N/A	7/5/2007	WM1A070705A
Bromomethane	ND		10	5.0	µg/L	N/A	N/A	7/5/2007	WM1A070705A
Carbon Tetrachloride	ND		10	5.0	µg/L	N/A	N/A	7/5/2007	WM1A070705A
Chlorobenzene	ND		10	5.0	µg/L	N/A	N/A	7/5/2007	WM1A070705A
Chloroethane	ND		10	5.0	µg/L	N/A	N/A	7/5/2007	WM1A070705A
2-Chloroethyl-vinyl Ether	ND		10	50	µg/L	N/A	N/A	7/5/2007	WM1A070705A
Chloroform	ND		10	5.0	µg/L	N/A	N/A	7/5/2007	WM1A070705A
Chloromethane	ND		10	5.0	µg/L	N/A	N/A	7/5/2007	WM1A070705A
Dibromochloromethane	ND		10	5.0	µg/L	N/A	N/A	7/5/2007	WM1A070705A
1,2-Dichlorobenzene	ND		10	5.0	µg/L	N/A	N/A	7/5/2007	WM1A070705A
1,3-Dichlorobenzene	ND		10	5.0	µg/L	N/A	N/A	7/5/2007	WM1A070705A
1,4-Dichlorobenzene	ND		10	5.0	µg/L	N/A	N/A	7/5/2007	WM1A070705A
1,1-Dichloroethane	ND		10	5.0	µg/L	N/A	N/A	7/5/2007	WM1A070705A
1,2-Dichloroethane	ND		10	5.0	µg/L	N/A	N/A	7/5/2007	WM1A070705A
1,1-Dichloroethene	ND		10	5.0	µg/L	N/A	N/A	7/5/2007	WM1A070705A
trans-1,2-Dichloroethene	ND		10	5.0	µg/L	N/A	N/A	7/5/2007	WM1A070705A
1,2-Dichloropropane	ND		10	5.0	µg/L	N/A	N/A	7/5/2007	WM1A070705A
cis-1,3-Dichloropropene	ND		10	5.0	µg/L	N/A	N/A	7/5/2007	WM1A070705A
trans-1,3-Dichloropropene	ND		10	5.0	µg/L	N/A	N/A	7/5/2007	WM1A070705A
Ethyl Benzene	ND		10	5.0	µg/L	N/A	N/A	7/5/2007	WM1A070705A
Methylene Chloride	ND		10	200	µg/L	N/A	N/A	7/5/2007	WM1A070705A
1,1,2,2-Tetrachloroethane	ND		10	5.0	µg/L	N/A	N/A	7/5/2007	WM1A070705A
Tetrachloroethene	ND		10	5.0	µg/L	N/A	N/A	7/5/2007	WM1A070705A
Toluene	ND		10	5.0	µg/L	N/A	N/A	7/5/2007	WM1A070705A
1,1,1-Trichloroethane	ND		10	5.0	µg/L	N/A	N/A	7/5/2007	WM1A070705A
1,1,2-Trichloroethane	ND		10	5.0	µg/L	N/A	N/A	7/5/2007	WM1A070705A
Trichloroethene	ND		10	5.0	µg/L	N/A	N/A	7/5/2007	WM1A070705A
Trichlorofluoromethane	ND		10	5.0	µg/L	N/A	N/A	7/5/2007	WM1A070705A
Vinyl Chloride	ND		10	5.0	µg/L	N/A	N/A	7/5/2007	WM1A070705A
tert-Butanol (TBA)	**2300**		10	100	µg/L	N/A	N/A	7/5/2007	WM1A070705A
Methyl-t-butyl Ether	**300**		10	10	µg/L	N/A	N/A	7/5/2007	WM1A070705A

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	99.0	60 - 130
Dibromofluoromethane	108	60 - 130
Toluene-d8	105	60 - 130

Analyzed by: XBian
Reviewed by: TFulton

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.

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

QC Batch ID: WM1A070705A

Validated by: TFulton - 07/06/07

QC Batch Analysis Date: 7/5/2007

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	**103**	60 - 130
Dibromofluoromethane	**95.6**	60 - 130
Toluene-d8	**98.4**	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: WM1A070705A Reviewed by: TFulton - 07/06/07

QC Batch ID Analysis Date: 7/5/2007

LCS

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	Recovery Limits
1,1-Dichloroethene	<0.50	20	19.9	µg/L	99.5	70 - 130
Benzene	<0.50	20	20.1	µg/L	100	70 - 130
Chlorobenzene	<0.50	20	19.9	µg/L	99.5	70 - 130
Methyl-t-butyl Ether	<1.0	20	19.3	µg/L	96.5	70 - 130
Toluene	<0.50	20	18.7	µg/L	93.5	70 - 130
Trichloroethene	<0.50	20	19.2	µg/L	96.0	70 - 130

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	**108**	60 - 130
Dibromofluoromethane	**103**	60 - 130
Toluene-d8	**94.9**	60 - 130

LCSD

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	RPD	RPD Limits	Recovery Limits
1,1-Dichloroethene	<0.50	20	19.3	µg/L	96.5	3.06	25.0	70 - 130
Benzene	<0.50	20	20.0	µg/L	100	0.499	25.0	70 - 130
Chlorobenzene	<0.50	20	20.0	µg/L	100	0.501	25.0	70 - 130
Methyl-t-butyl Ether	<1.0	20	20.4	µg/L	102	5.54	25.0	70 - 130
Toluene	<0.50	20	19.2	µg/L	96.0	2.64	25.0	70 - 130
Trichloroethene	<0.50	20	19.4	µg/L	97.0	1.04	25.0	70 - 130

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	**102**	60 - 130
Dibromofluoromethane	**103**	60 - 130
Toluene-d8	**96.3**	60 - 130

Entech Analytical Labs, Inc. Chain of Custody / Analysis Request

3334 Victor Court (408) 588-0200
Santa Clara, CA 95054 (408) 588-0201 - Fax ELAP No. 2346

Attention to: James Allen	Phone No.: 831 425-2608	Purchase Order No.:	Invoice to: (If Different)	Phone:	
Company Name: Allterra	Fax No.:	Project No. / Name: 015-01-160	Company:		
Mailing Address: 849 Almar Ave	Email Address:		Billing Address: (If Different)		
City: Santa Cruz.	State: CA Zip Code: 95060	Project Location: 160 Holmes St.	City:	State:	Zip:

Entech Order ID: 56166

EDF ☐ Global ID:

Turn Around Time

☐ Same Day ☐ 1 Day
☐ 2 Day ☐ 3 Day
☐ 4 Day ☒ 5 Day
☐ 10 Day

Sample Information

Sampler _____

Client ID	Field Point	Date	Time	Entech Lab. No.	Matrix	No. of Containers	Circle Applicable: EPA 8260B Full List TTOs + 624	8260 Petroleum: List includes: Gas, BTEX MtBE, EtBE, TBA, TAME, DIPE, 1,2-DCA, EDB MtBE + TBA	EPA 8270: Base/Neutral/Acid Organics 8270 Full List PAHs Only PAHs - SIM	Pesticides-8081 PCBs - 8082	TPH Extractable: Diesel, Motor Oil, Other w/ Si-Gel Cleanup	TPH Gas, BTEX, MtBE by EPA 8015/8021B	Metals - Circle Below Total Dissolved STLC TCLP	Remarks Instructions
Tank-1		6/29/07	15:50	001	L	3								

Relinquished by:	Received by:	Date:	Time:
[signature]	[signature]	6/29/07	1540
Relinquished by:	Received by:	Date:	Time:
Relinquished by:	Received by:	Date:	Time:

Lab Use: 3 VOAs each (HCl)

Metals: Al, As, Sb, Ba, Be, Bi, B, Cd, Ca, Cr, Co, Cu, Fe, Pb, Li, Mg, Mn, Hg, Mo, Ni, K, Si, Ag, Na, Se, Tl, Sn, Ti, Zn, V

☐ Plating ☐ LUFT-5 ☐ RCRA-8 ☐ PPM-13 ☐ CAM-17

Lab Use:

Samples: Iced (Y)/N Temperature: 5.2°C

Appropriate Containers/Preservatives: (Y)/N

Labels match CoC? (Y)/N Headspace? Y/(N)

Shipment Method: walk in.

Custody Seals? Y/N

Seperate Receipt Log Y/N

If any N's, Explain:

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: 56356
Issued: 07/23/2007

Project Number: 015-01-010
Project Name: 160 Holmes St
Project Location: Livermore

Global ID: T0600102287

Certificate of Analysis - Final Report

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

Matrix	Test / Comments
Liquid	Electronic Deliverables for Geotracker
	VOCs: EPA 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: 015-01-010
Project Name: 160 Holmes St
Project Location: Livermore
GlobalID: T0600102287

Certificate of Analysis - Data Report

Samples Received: 07/17/2007
Sample Collected by: Client

Lab # : 56356-001 **Sample ID: TANK-1** **Matrix:** Liquid **Sample Date:** 7/16/2007

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		1.0	0.50	µg/L	N/A	N/A	7/19/2007	WM1A070719A
Bromodichloromethane	ND		1.0	0.50	µg/L	N/A	N/A	7/19/2007	WM1A070719A
Bromoform	ND		1.0	0.50	µg/L	N/A	N/A	7/19/2007	WM1A070719A
Bromomethane	ND		1.0	0.50	µg/L	N/A	N/A	7/19/2007	WM1A070719A
Carbon Tetrachloride	ND		1.0	0.50	µg/L	N/A	N/A	7/19/2007	WM1A070719A
Chlorobenzene	ND		1.0	0.50	µg/L	N/A	N/A	7/19/2007	WM1A070719A
Chloroethane	ND		1.0	0.50	µg/L	N/A	N/A	7/19/2007	WM1A070719A
2-Chloroethyl-vinyl Ether	ND		1.0	5.0	µg/L	N/A	N/A	7/19/2007	WM1A070719A
Chloroform	ND		1.0	0.50	µg/L	N/A	N/A	7/19/2007	WM1A070719A
Chloromethane	ND		1.0	0.50	µg/L	N/A	N/A	7/19/2007	WM1A070719A
Dibromochloromethane	ND		1.0	0.50	µg/L	N/A	N/A	7/19/2007	WM1A070719A
1,2-Dichlorobenzene	ND		1.0	0.50	µg/L	N/A	N/A	7/19/2007	WM1A070719A
1,3-Dichlorobenzene	ND		1.0	0.50	µg/L	N/A	N/A	7/19/2007	WM1A070719A
1,4-Dichlorobenzene	ND		1.0	0.50	µg/L	N/A	N/A	7/19/2007	WM1A070719A
1,1-Dichloroethane	ND		1.0	0.50	µg/L	N/A	N/A	7/19/2007	WM1A070719A
1,2-Dichloroethane	ND		1.0	0.50	µg/L	N/A	N/A	7/19/2007	WM1A070719A
1,1-Dichloroethene	ND		1.0	0.50	µg/L	N/A	N/A	7/19/2007	WM1A070719A
trans-1,2-Dichloroethene	ND		1.0	0.50	µg/L	N/A	N/A	7/19/2007	WM1A070719A
1,2-Dichloropropane	ND		1.0	0.50	µg/L	N/A	N/A	7/19/2007	WM1A070719A
cis-1,3-Dichloropropene	ND		1.0	0.50	µg/L	N/A	N/A	7/19/2007	WM1A070719A
trans-1,3-Dichloropropene	ND		1.0	0.50	µg/L	N/A	N/A	7/19/2007	WM1A070719A
Ethyl Benzene	ND		1.0	0.50	µg/L	N/A	N/A	7/19/2007	WM1A070719A
Methylene Chloride	ND		1.0	20	µg/L	N/A	N/A	7/19/2007	WM1A070719A
1,1,2,2-Tetrachloroethane	ND		1.0	0.50	µg/L	N/A	N/A	7/19/2007	WM1A070719A
Tetrachloroethene	ND		1.0	0.50	µg/L	N/A	N/A	7/19/2007	WM1A070719A
Toluene	ND		1.0	0.50	µg/L	N/A	N/A	7/19/2007	WM1A070719A
1,1,1-Trichloroethane	ND		1.0	0.50	µg/L	N/A	N/A	7/19/2007	WM1A070719A
1,1,2-Trichloroethane	ND		1.0	0.50	µg/L	N/A	N/A	7/19/2007	WM1A070719A
Trichloroethene	ND		1.0	0.50	µg/L	N/A	N/A	7/19/2007	WM1A070719A
Trichlorofluoromethane	ND		1.0	0.50	µg/L	N/A	N/A	7/19/2007	WM1A070719A
Vinyl Chloride	ND		1.0	0.50	µg/L	N/A	N/A	7/19/2007	WM1A070719A
tert-Butanol (TBA)	ND		1.0	10	µg/L	N/A	N/A	7/19/2007	WM1A070719A
Methyl-t-butyl Ether	ND		1.0	1.0	µg/L	N/A	N/A	7/19/2007	WM1A070719A

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	106	60 - 130
Dibromofluoromethane	111	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 5030B / EPA 8260B for Groundwater and Water - EPA 624 for Wastewater

QC Batch ID: WM1A070719A

Validated by: MaiChiTu - 07/20/07

QC Batch Analysis Date: 7/19/2007

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	**110**	60 - 130
Dibromofluoromethane	**101**	60 - 130
Toluene-d8	**101**	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: WM1A070719A

Reviewed by: MaiChiTu - 07/20/07

QC Batch ID Analysis Date: 7/19/2007

LCS

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	Recovery Limits
1,1-Dichloroethene	<0.50	20	22.9	µg/L	114	70 - 130
Benzene	<0.50	20	21.6	µg/L	108	70 - 130
Chlorobenzene	<0.50	20	20.5	µg/L	102	70 - 130
Methyl-t-butyl Ether	<1.0	20	19.2	µg/L	96.0	70 - 130
Toluene	<0.50	20	19.8	µg/L	99.0	70 - 130
Trichloroethene	<0.50	20	19.4	µg/L	97.0	70 - 130

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	**106**	60 - 130
Dibromofluoromethane	**105**	60 - 130
Toluene-d8	**98.3**	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	7.24	25.0	70 - 130
Benzene	<0.50	20	20.4	µg/L	102	5.71	25.0	70 - 130
Chlorobenzene	<0.50	20	19.8	µg/L	99.0	3.47	25.0	70 - 130
Methyl-t-butyl Ether	<1.0	20	16.5	µg/L	82.5	15.1	25.0	70 - 130
Toluene	<0.50	20	19.1	µg/L	95.5	3.60	25.0	70 - 130
Trichloroethene	<0.50	20	18.6	µg/L	93.0	4.21	25.0	70 - 130

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	**104**	60 - 130
Dibromofluoromethane	**100**	60 - 130
Toluene-d8	**101**	60 - 130

ALLTERRA

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Chain of Custody Record

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

Report and Bill to: Alterra Environmental, Inc.
Project Number:
Project Location: 160 holmes
Project Name:
Sampler Signature:

56356

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/8021)	MTBE (EPA 8260B)	TPHd (EPA 8015)	5-FUEL OXYS (EPA 8260)	Ethanol and Methanol (EPA 8260)	Total Lead (EPA 6010)	TBA/TAME/1,2-DCA (EPA 8260)	Hardness/Total dissolved solids	Lead Scavengers (8260)	LUFT 5 Metals (EPA 6010/6020)	PAH's/ PNA's (EPA 8270,625/8310)	TTO'S+MTBE+TBA(EPA 624)	Metals by (EPA 200 Series)	EDF required
TANK-1	7/16/07		3	VOA		X				X	X			-001											X		X

Sampled By:	7/17/07	Time: 1415	Received By:
Received By:	Date:	Time:	Received By:
Received By:	Date:	Time:	Received By:

Rec'd 4 VOA's w/HCl w/22.5° Temp.