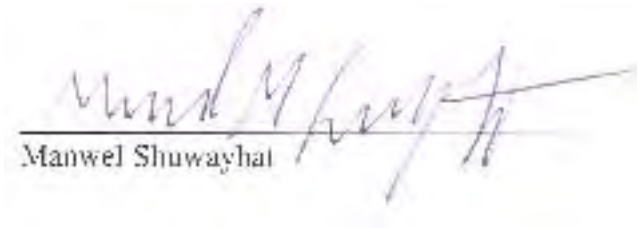
Allterra Environmental, Inc.
849 Almar Avenue, Suite C
No. 281
Santa Cruz, California 95060

Client: Manwel Shuwayhat
Project Location: 160 Holmes Street, Livermore, California
Subject: Fourth Quarter 2013 Groundwater Monitoring Report
Report Date: December 27, 2013

To Whom It May Concern:

I have reviewed the report referenced above and approve its distribution to the necessary regulatory agencies. Should any of the regulatory agencies require it, "I declare, under penalty of perjury, that the information and/or recommendations contained in the attached proposal or report is true and correct to the best of my knowledge."

Sincerely,



Fourth Quarter 2013 Groundwater Monitoring Report
Fuel Leak Case No. RO0000324, Livermore Gas and Mini Mart
160 Holmes Street, Livermore, California

Date:
December 27, 2013

Project No.:
160

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

Allterra Environmental, Inc.
849 Almar Avenue, Suite C, No. 281
Santa Cruz, California 95060

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

December 27, 2013
Project No.: 160

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

SUBJECT: Fourth Quarter 2013 Groundwater Monitoring 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 Fourth Quarter 2013 Groundwater Monitoring 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 results, and presents conclusions and recommendations regarding groundwater conditions at the Site. Monitoring activities were completed in accordance with Alameda County Environmental Health Services (ACEHS) and Regional Water Quality Control Board (RWQCB) guidelines, and Allterra's protocols presented in Appendix A.

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

Groundwater Monitoring for Fourth Quarter 2013
Field Activities
On December 5 and 6, 2013, Allterra conducted groundwater monitoring at 12 on- and off-site monitoring wells (MW-1A/B and MW-5A/B through MW-9A/B) and three on-site extraction/injection wells (EW-1, EW-3, and EW-3B). Monitoring wells MW-2A, MW-3A, MW-4A, and EW-2 are sampled on an annual basis (first quarter of each year), therefore these wells were not sampled during this monitoring event. Groundwater monitoring activities included the measurement of static groundwater levels, an evaluation of groundwater in the wells for the presence of petroleum hydrocarbons, field parameter testing, and groundwater quality sampling. Prior to sampling, all groundwater wells were purged using disposable bailers until temperature, color, specific conductance, and turbidity readings had stabilized or until at least three casing volumes had been removed. Groundwater sampling field logs are included in Appendix B.

Laboratory Analysis
Groundwater samples collected from the monitoring and extraction wells were submitted under chain-of-custody documentation to McCampbell Analytical, Inc., of Pittsburg, California, a State

of California certified laboratory (ELAP #1644). All samples were analyzed for total petroleum hydrocarbons as gasoline (TPHg) by EPA method 8015B, and for benzene, toluene, ethylbenzene, xylenes (BTEX), and methyl tert-butyl ether (MTBE) by EPA Method 8021B. Additionally, select wells were tested for total petroleum hydrocarbons as diesel (TPHd) by EPA method 8015B; fuel oxygenates tert-amyl methyl ether (TAME), tert-butyl alcohol (TBA), di-isopropyl ether (DIPE), ethyl tert-butyl ether (ETBE), and MTBE by EPA Method 8260B; lead scavengers 1,2-dibromoethane (EDB) and 1,2-dichloroethane (1,2-DCA) by EPA Method 8260B, and hexachrome by EPA method E218.6. Copies of the chain-of-custody documentation and the certified analytical report, including quality assurance and quality control (QA/QC) data, are included in Appendix C.

Groundwater Gradient and Flow Direction

On December 5, 2013, Allterra personnel measured and recorded depths to groundwater from the tops of well casings (TOC) for each well. Recorded depths to groundwater ranged from 23.16 to 25.06 feet below TOC. 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 and depicted on Figure 3 as groundwater elevation contours. For the December 2013 monitoring event, the general groundwater flow direction was to the north-northwest at a gradient of approximately 0.0086 feet per foot (ft/ft).

Analytical Results

Petroleum constituents were detected in six of the fifteen wells sampled during this event. A summary of current and historical groundwater analytical results is presented in Table 2. Additionally, current concentrations of dissolved TPHg, TPHd, benzene, MTBE, and TBA in groundwater are shown on Figures 4 through 7. Time trend plots for contaminant concentrations in wells MW-1A, EW-1, and EW-3 are shown on Figures 8 through 15. A discussion of current groundwater analytical results is presented below:

- TPHg was detected in two wells at concentrations of 180 micrograms per liter (µg/L) in EW-3B and 760 µg/L in EW-3.
- TPHd was detected in three wells at concentrations ranging from 68 µg/L in MW-7A to 460 µg/L in EW-3.
- Benzene was detected in one well (EW-3B) at a concentration of 1.6 µg/L.
- Toluene was detected in three wells at concentrations ranging from 1.1 µg/L in MW-7B to 1.4 in MW-7A.
- Ethylbenzene was detected in one well (EW-3B) at a concentration of 2.3 µg/L in EW-3B.
- Xylenes were detected in two wells at concentrations of 3.5 µg/L in EW-3B and 13 µg/L in EW-3.

- MTBE was detected in five wells at concentrations ranging from 0.66 µg/L in MW-7A to 5,900 µg/L in EW-3.

- TBA was detected in six wells at concentrations ranging from 160 µg/L in MW-7A to 38,000 µg/L in EW-3B.

- Hexachrome and lead scavengers were not detected at or above laboratory reporting limits in any wells sampled this quarter.

Discussion

Following in-situ chemical oxidation (ISCO) activities performed during second quarter 2013, it appears that petroleum constituents in the vicinity of EW-3 (within former source area) have been significantly reduced. During the first quarter 2013 monitoring event, MTBE and TBA were detected in EW-3 at concentrations of 6,300 µg/L and 130,000 µg/L, respectively. Current analytical results following remedial activities indicate MTBE and TBA in EW-3 at concentrations of 5,900 µg/L and 25,000 µg/L, respectively. MTBE and TBA concentrations in EW-3 have increased slightly since the June, July, and third quarter sampling events indicating minimal contaminate rebound has occurred, however current concentrations are still below baseline results. Additionally, hexachrome results following ISCO activities do not indicate any significant increases or adverse affects.

Conclusions

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

- The overall groundwater flow direction is to the north-northwest with an estimated gradient of 0.0086 ft/ft, which is consistent with previous monitoring events.

- For the December 2013 monitoring event, petroleum constituents were detected at or above laboratory detection limits in six of the fifteen wells sampled. The highest concentrations of petroleum constituents remaining in shallow groundwater are limited to the area around wells EW-1, EW-3, and EW-3B.

- The highest concentration of TPHg and MTBE was detected in EW-3 at concentrations of 760 and 5,900 µg/L, respectively.

- The highest concentration of TBA was detected in well EW-3B (38,000 µg/L). Recent increases in TBA concentrations are likely due to degradation of MTBE caused by ISCO activities and natural processes.

- Since April 2011, petroleum constituents in groundwater have generally exhibited decreasing trends throughout the in-situ treatment zone. Substantial contaminant reduction has occurred in key wells MW-1A, EW-1, EW-3, and EW-3B located within the former source area.

- Based on fourth quarter 2013 analytical results, MW-1A demonstrates a 99.97%, 99.91%, 99.99%, and 99.99% reduction in TPHg, TPHd, benzene, and MTBE concentrations, respectively. EW-1 demonstrates a 99.86%, 67.27%, 99.89%, and 99.95% reduction in TPHg, TPHd, benzene, and MTBE concentrations, respectively. EW-3 demonstrates a 99.46%, 91.15%, 99.33%, and 98.60% reduction in TPHg, TPHd, benzene, and MTBE concentrations, respectively.

- Decreasing trends in petroleum constituents in shallow groundwater indicate that in-situ remedial efforts have been effective in treating soil and groundwater beneath the former source area at the Site.

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

- Continue with the current quarterly groundwater monitoring at the Site for the purpose of closely monitoring potential contaminant rebound under varying seasonal conditions.

- To reduce project costs, up-gradient wells MW-2A, MW-3A, and EW-2 and cross-gradient well MW-4A will continue to be sampled for TPHg, BTEX, and MTBE on an annual basis (first quarter of each year).

- All other wells will continue to be sampled and analyzed for TPHg, BTEX, and MTBE on a quarterly basis. Only select wells will be analyzed for TPHd, 5-fuel oxygenates, and lead scavengers on a quarterly basis.

- Following four quarters of post-remedial verification monitoring, evaluate the Site for potential low-threat case closure.

Limitations
Allterra prepared this report for the use of Livermore Gas and Mini Mart, ACEHS and RWQCB in evaluating groundwater quality at selected 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.

Aaron Powers
Project Geologist

Joe Mangine, P.G. 8423
Senior Geologist

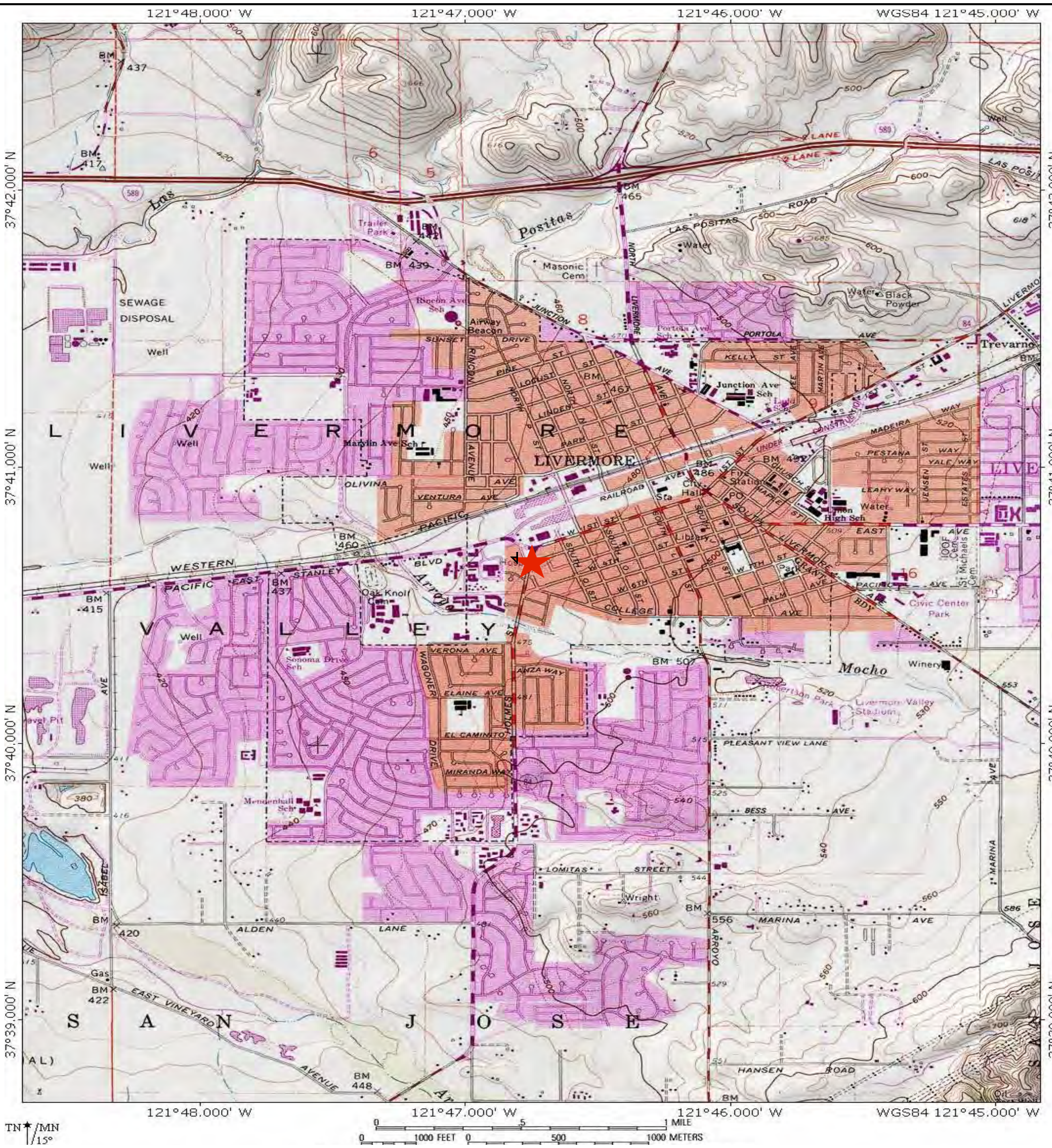
List of Figures
Figure 1, Vicinity Map
Figure 2, Site Plan
Figure 3, Shallow Groundwater Potentiometric Map of 12-5-13
Figure 4, Concentrations of Petroleum Constituents in Groundwater December 2013
Figure 5, TPHg Iso-Concentration Map for "A" Zone Wells
Figure 6, MTBE Iso-Concentration Map for "A" Zone Wells
Figure 7, TBA Iso-Concentration Map for "A" Zone Wells
Figure 8, MW-1A TPHg Concentrations in Groundwater Over Time
Figure 9, MW-1A MTBE Concentrations in Groundwater Over Time
Figure 10, MW-1A TBA Concentrations in Groundwater Over Time
Figure 11, EW-1 TPHg Concentrations in Groundwater Over Time
Figure 12, EW-1 MTBE Concentrations in Groundwater Over Time
Figure 13, EW-1 TBA Concentrations in Groundwater Over Time
Figure 14, EW-3 TPHg Concentrations in Groundwater Over Time
Figure 15, EW-3 MTBE and TBA Concentrations in Groundwater Over Time

List of Tables
Table 1, Groundwater Elevation Data
Table 2, Groundwater Analytical Results

List of Appendices
Appendix A, Groundwater Monitoring Field Protocol
Appendix B, Groundwater Sampling Field Logs
Appendix C, Certified Analytical Report and Chain-of-Custody

cc: Jerry Wickam, ACEHS

FIGURES 1 - 15



Vicinity Map	Figure 1	12/18/13

Vicinity Map

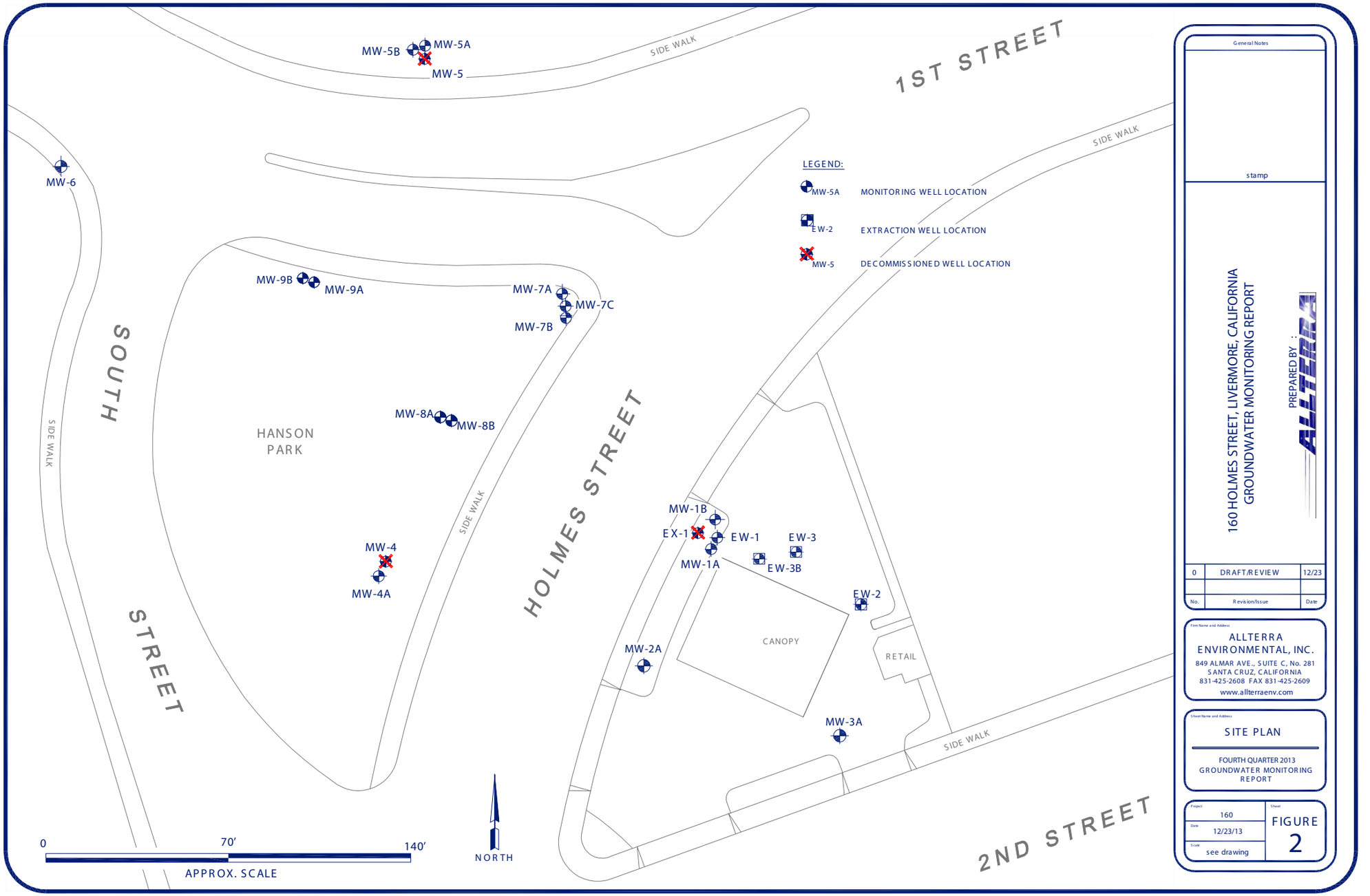
Livermore Gas and Minimart
160 Holmes Street
Livermore, California

Figure 1

12/18/13

ALLTERRA

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



General Notes

stamp

160 HOLMES STREET, LIVERMORE, CALIFORNIA
GROUNDWATER MONITORING REPORT

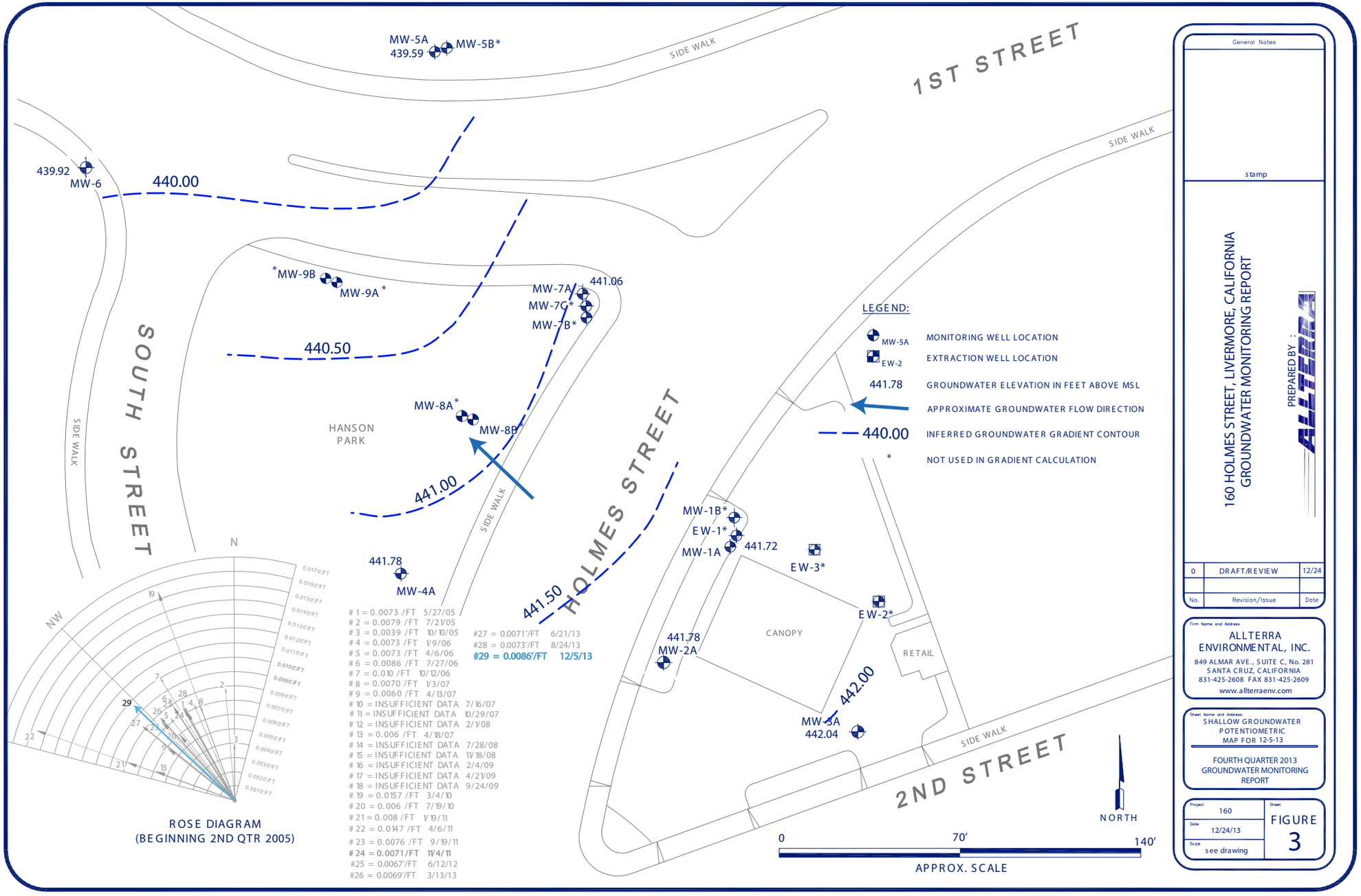
PREPARED BY :

No.	Revision/Issue	Date
0	DRAFT/REVIEW	12/23

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

Sheet Name and Address
SITE PLAN
FOURTH QUARTER 2013
GROUNDWATER MONITORING
REPORT

Project	Sheet
160	FIGURE 2
Date: 12/23/13	
Scale: see drawing	



ROSE DIAGRAM
(BEGINNING 2ND QTR 2005)

1 = 0.0073 /FT 5/27/05
2 = 0.0079 /FT 7/21/05
3 = 0.0039 /FT 10/10/05
4 = 0.0073 /FT 1/9/06
5 = 0.0073 /FT 4/6/06
6 = 0.0086 /FT 7/27/06
7 = 0.010 /FT 10/12/06
8 = 0.0070 /FT 1/3/07
9 = 0.0060 /FT 4/13/07
10 = INSUFFICIENT DATA 7/16/07
11 = INSUFFICIENT DATA 10/29/07
12 = INSUFFICIENT DATA 2/1/08
13 = 0.006 /FT 4/18/07
14 = INSUFFICIENT DATA 7/28/08
15 = INSUFFICIENT DATA 11/18/08
16 = INSUFFICIENT DATA 2/4/09
17 = INSUFFICIENT DATA 4/21/09
18 = INSUFFICIENT DATA 9/24/09
19 = 0.0157 /FT 3/4/10
20 = 0.006 /FT 7/19/10
21 = 0.008 /FT 1/19/11
22 = 0.0147 /FT 4/6/11
23 = 0.0076 /FT 9/19/11
 # 24 = 0.0071/FT 11/4/11
#25 = 0.0067'/FT 6/12/12
#26 = 0.0069'/FT 3/13/13
#27 = 0.0071'/FT 6/21/13
#28 = 0.0073'/FT 8/24/13
#29 = 0.0086'/FT 12/5/13

General Notes

stamp

160 HOLMES STREET, LIVERMORE, CALIFORNIA
GROUNDWATER MONITORING REPORT

PREPARED BY :

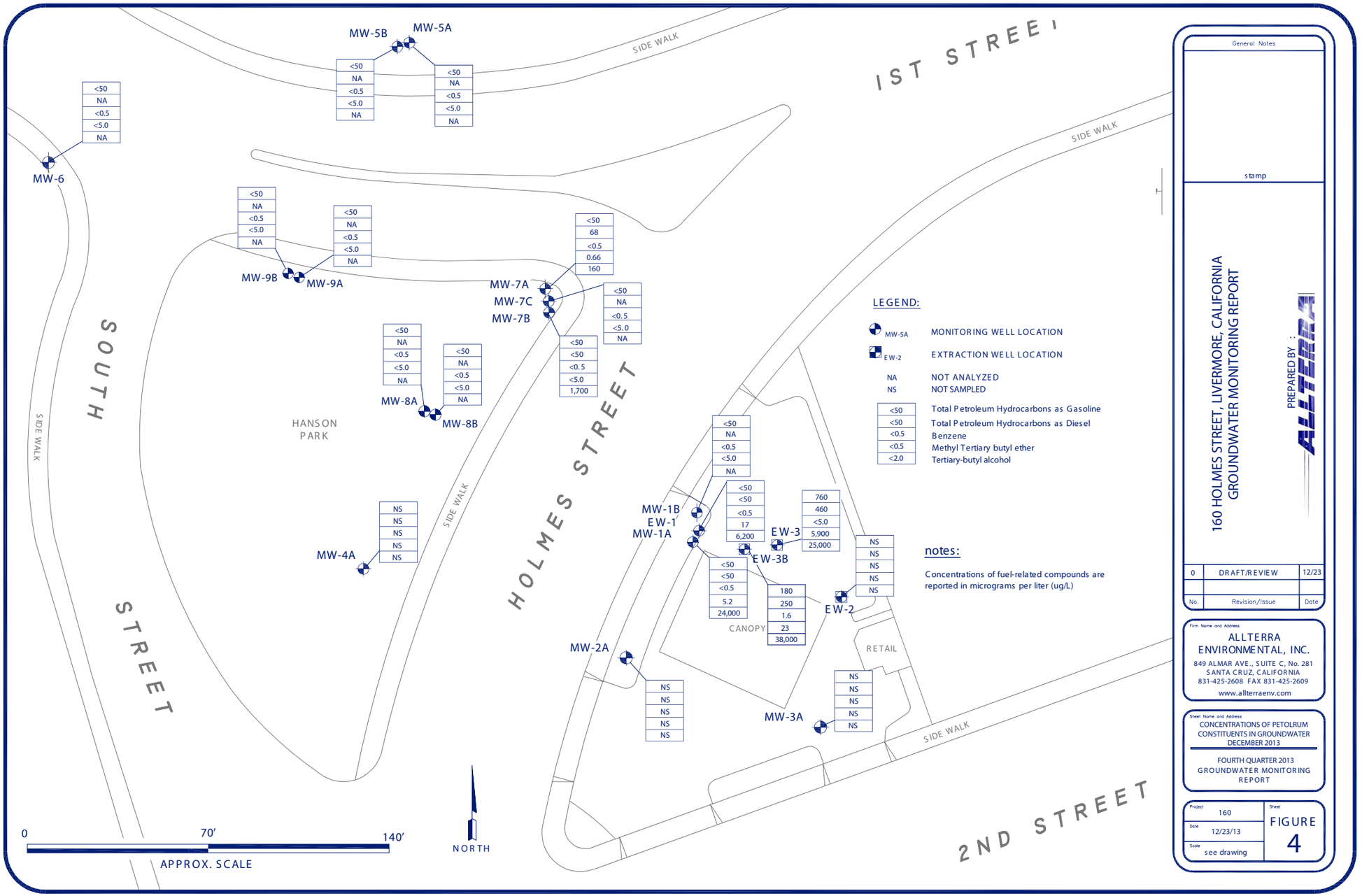
No.	Revision/Issue	Date
0	DRAFT/REVIEW	12/24

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

Sheet Name and Address
SHALLOW GROUNDWATER POTENTIOMETRIC MAP FOR 12-5-13

FOURTH QUARTER 2013 GROUNDWATER MONITORING REPORT

Project	160	Sheet
Date	12/24/13	FIGURE 3
Scale	see drawing	



General Notes

stamp

160 HOLMES STREET, LIVERMORE, CALIFORNIA
GROUNDWATER MONITORING REPORT

PREPARED BY :

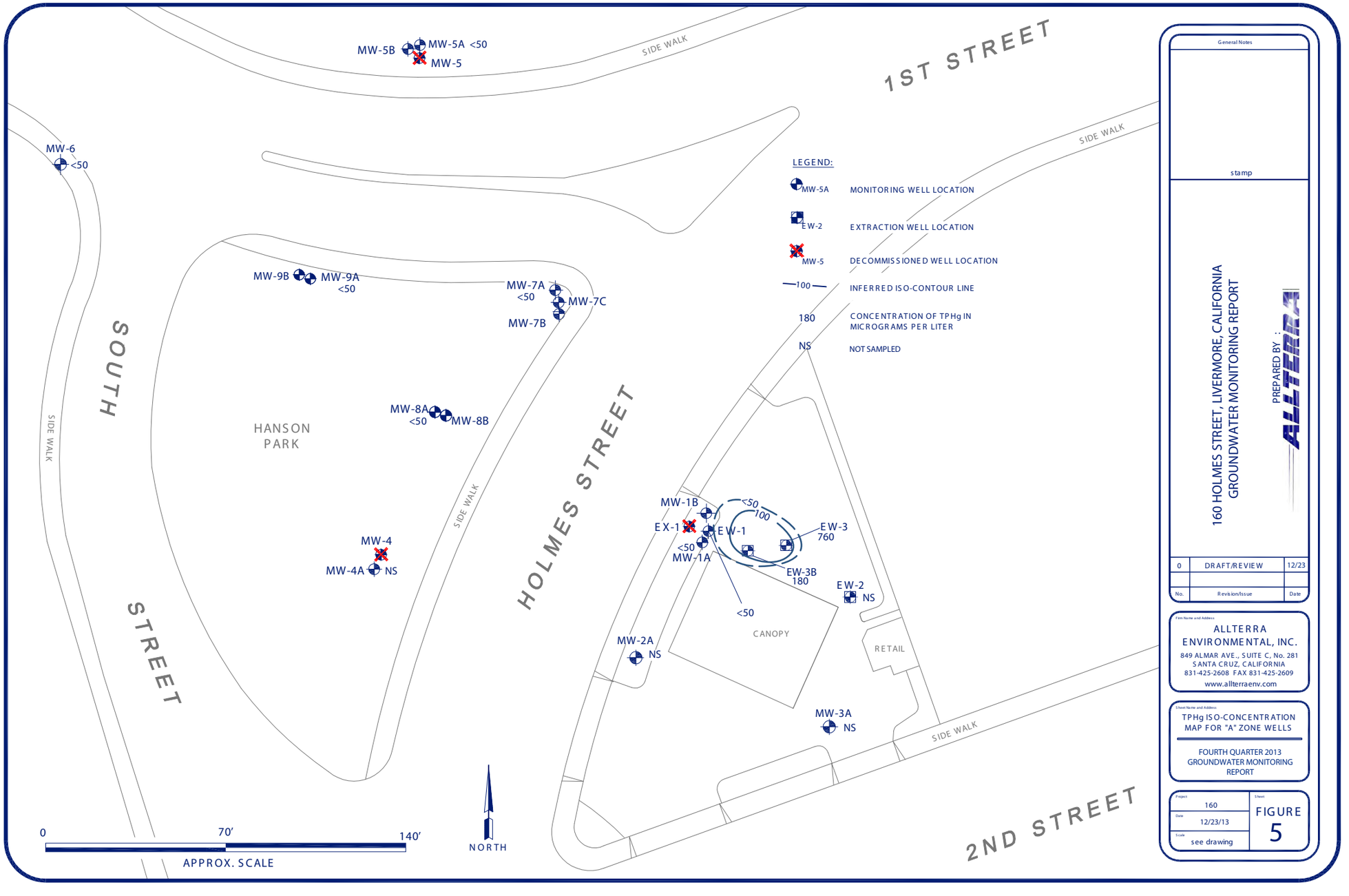
No.	Revision/Issue	Date
0	DRAFT/REVIEW	12/23

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

Sheet Name and Address
CONCENTRATIONS OF PETOLRUM CONSTITUENTS IN GROUNDWATER DECEMBER 2013

FOURTH QUARTER 2013
GROUNDWATER MONITORING REPORT

Project	160	Sheet
Date	12/23/13	FIGURE 4
Scale	see drawing	



General Notes

stamp

160 HOLMES STREET, LIVERMORE, CALIFORNIA
GROUNDWATER MONITORING REPORT

PREPARED BY ..
ALLTERRA

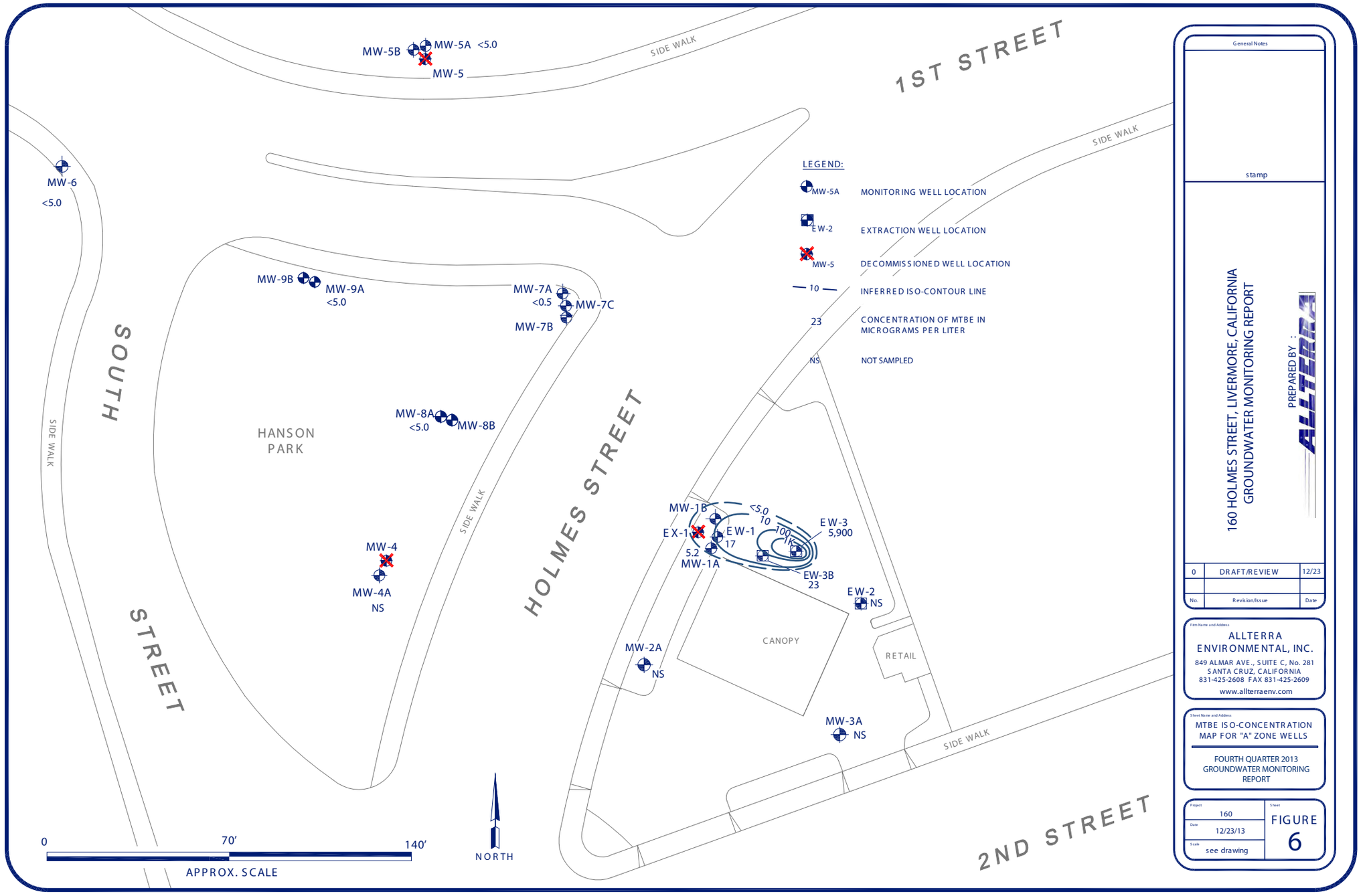
No.	Revision/Issue	Date
0	DRAFT/REVIEW	12/23

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

Sheet Name and Address
TPHg ISO-CONCENTRATION MAP FOR "A" ZONE WELLS

FOURTH QUARTER 2013 GROUNDWATER MONITORING REPORT

Project	Sheet
160	FIGURE 5
Date: 12/23/13	
Scale: see drawing	



General Notes

stamp

PREPARED BY :

160 HOLMES STREET, LIVERMORE, CALIFORNIA
GROUNDWATER MONITORING REPORT

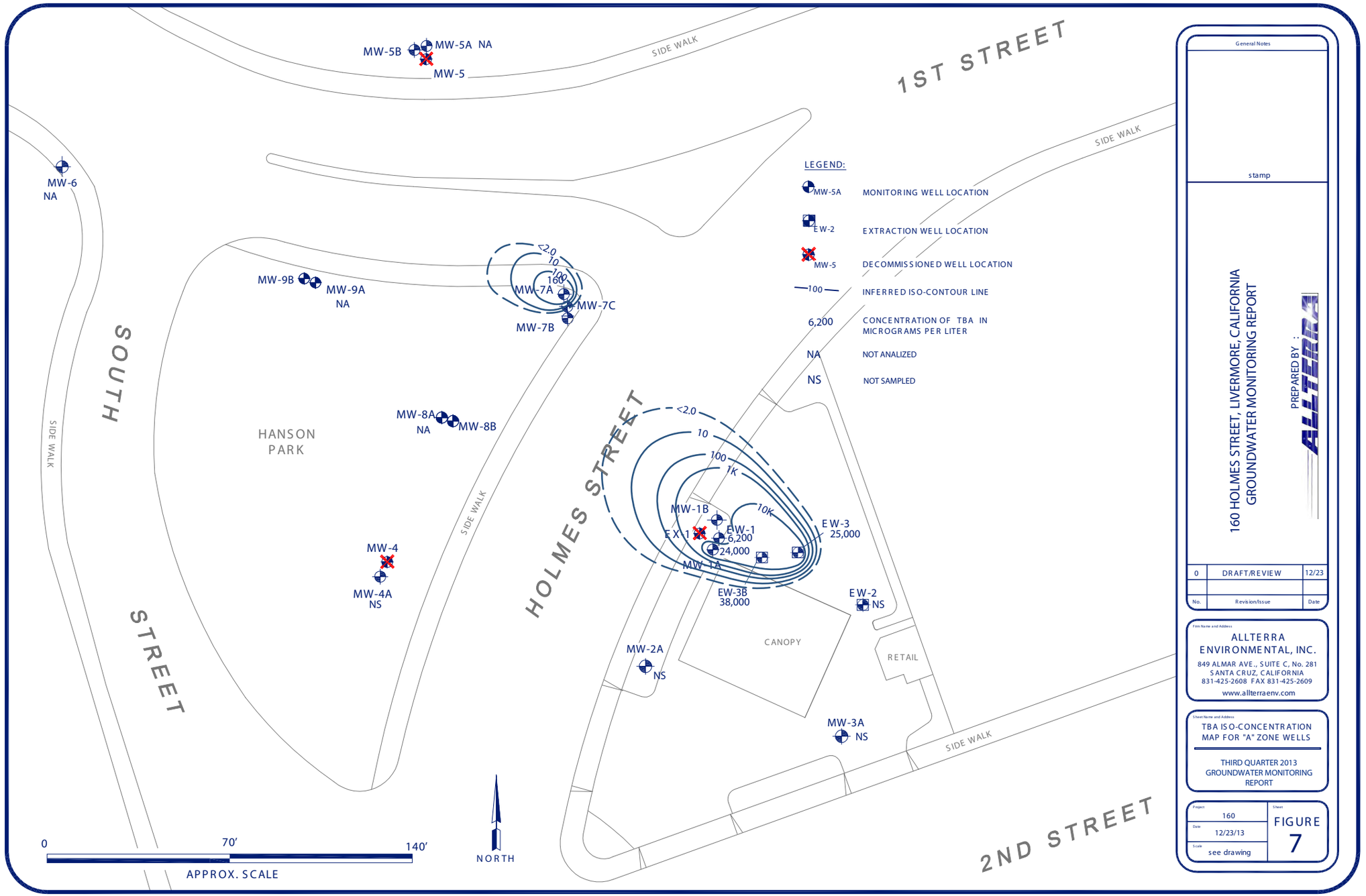
No.	Revision/Issue	Date
0	DRAFT/REVIEW	12/23

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

Sheet Name and Address
MTBE ISO-CONCENTRATION MAP FOR "A" ZONE WELLS

FOURTH QUARTER 2013 GROUNDWATER MONITORING REPORT

Project	Sheet
160	FIGURE 6
Date: 12/23/13	
Scale: see drawing	



General Notes

stamp

160 HOLMES STREET, LIVERMORE, CALIFORNIA
GROUNDWATER MONITORING REPORT

PREPARED BY :

No.	Revision/Issue	Date
0	DRAFT/REVIEW	12/23

Firm Name and Address

ALLTERRA ENVIRONMENTAL, INC.
849 ALMAR AVE., SUITE C, No. 281
SANTA CRUZ, CALIFORNIA
831-425-2608 FAX 831-425-2609
www.allterraenv.com

Sheet Name and Address

TBA ISO-CONCENTRATION MAP FOR "A" ZONE WELLS

THIRD QUARTER 2013 GROUNDWATER MONITORING REPORT

Project	Sheet
160	FIGURE 7
Date: 12/23/13	
Scale: see drawing	

TABLES 1 - 2

Table 1
Groundwater Elevation Data
160 Holmes Street, Livermore, California

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	15-30	21.94	443.09
	2/22/01	465.03	15-30	22.91	442.12
	5/30/01	465.03	15-30	Dry	NC
	11/14/01	465.03	15-30	Dry	NC
	5/7/02	465.03	15-30	Dry	NC
	9/11/02	465.03	15-30	26.16	438.87
	12/1/02	465.03	15-30	27.55	437.48
	3/14/03	465.03	15-30	22.63	442.40
	6/25/03	465.03	15-30	22.10	442.93
	9/16/03	465.03	15-30	24.91	440.12
	12/22/03	465.03	15-30	21.75	443.28
	3/10/04	465.03	15-30	17.45	447.58
	6/15/04	465.03	15-30	22.38	442.65
	9/17/04	465.03	15-30	25.61	439.42
	12/10/04	465.03	15-30	22.18	442.85
	3/2/05	465.03	15-30	16.95	448.08
	5/27/05	465.03	15-30	18.42	446.61
	7/21/05	465.03	15-30	21.38	443.65
	10/10/05	465.03	15-30	22.49	442.54
	1/9/06	465.03	15-30	18.05	446.98
MW-1A*	4/6/06	465.03	15-30	15.60	449.43
	7/27/06	465.03	15-30	22.42	442.61
	10/12/06	465.03	15-30	23.46	441.57
	1/3/07	465.03	15-30	21.00	444.03
	4/13/07	465.03	15-30	23.24	441.79
	7/16/07	465.03	15-30	Dry	NC
	10/29/07	465.03	15-30	Dry	NC
	2/1/08	465.03	15-30	Dry	NC
	4/18/08	465.03	15-30	27.34	437.69
	7/28/08	465.03	15-30	Dry	NC
	11/18/08	465.03	15-30	Dry	NC
	2/4/09	465.03	15-30	Dry	NC
	4/21/09	465.03	15-30	Dry	NC
	9/24/09	465.03	15-30	35.00	430.03
	3/4/10	465.03	15-30	28.05	436.98
	7/19/10	465.03	15-30	23.85	441.18
	1/19/11	465.03	15-30	23.12	441.91
	4/6/11	465.03	15-30	18.40	446.63
	4/18/11	465.03	15-30	18.70	446.33
	5/9/11	465.03	15-30	19.26	445.77
	6/1/11	465.03	15-30	20.10	444.93
	6/15/11	465.03	15-30	20.44	444.59
	6/30/11	465.03	15-30	20.73	444.30
	9/19/11	465.03	15-30	22.91	442.12
	11/4/11	465.03	15-30	23.00	442.03
	2/1/12	465.03	15-30	Dry	NC
	6/13/12	465.03	15-30	26.90	438.13
	8/28/12	465.03	15-30	Dry	NC
	3/13/13	465.03	15-30	21.94	443.09
	6/21/13	465.03	15-30	25.52	439.51
	8/24/13	465.03	15-30	25.09	439.94
	12/5/13	**465.03**	**15-30**	**23.31**	**441.72**

Table 1
Groundwater Elevation Data
160 Holmes Street, Livermore, California

Monitoring Well ID	Date	Top of Casing Elevation* (feet, msl)	Screen Interval (feet, bgs)	Depth to Groundwater (feet)	Groundwater Elevation (feet, msl)
MW-1B**	4/6/06	465.02	50-55	15.59	449.43
	7/27/06	465.02	50-55	22.47	442.55
	10/12/06	465.02	50-55	23.51	441.51
	1/3/07	465.02	50-55	21.04	443.98
	4/13/07	465.02	50-55	23.30	441.72
	7/16/07	465.02	50-55	35.57	429.45
	10/29/07	465.02	50-55	47.32	417.70
	2/1/08	465.02	50-55	33.90	431.12
	4/18/08	465.02	50-55	27.35	437.67
	7/28/08	465.02	50-55	44.03	420.99
	11/18/08	465.02	50-55	48.50	416.52
	2/4/09	465.02	50-55	46.83	418.19
	4/21/09	465.02	50-55	37.10	427.92
	9/24/09	465.02	50-55	37.76	427.26
	3/4/10	465.02	50-55	27.41	437.61
	7/19/10	465.02	50-55	NM	NC
	1/19/11	465.02	50-55	23.10	441.92
	4/6/11	465.02	50-55	18.40	446.62
	4/18/11	465.02	50-55	18.60	446.42
	5/9/11	465.02	50-55	19.11	445.91
	6/1/11	465.02	50-55	20.10	444.92
	6/15/11	465.02	50-55	20.44	444.58
	6/30/11	465.02	50-55	20.74	444.28
	9/19/11	465.02	50-55	22.92	442.10
	11/4/11	465.02	50-55	22.95	442.07
	2/2/12	465.02	50-55	33.00	432.02
	6/13/12	465.02	50-55	26.99	438.03
	8/28/12	465.02	50-55	29.51	435.51
	3/13/13	465.02	50-55	21.96	443.06
	6/21/13	465.02	50-55	24.55	440.47
	8/24/13	465.02	50-55	25.11	439.91
	12/5/13	**465.02**	**50-55**	**23.35**	**441.67**
MW-2*	8/11/00	464.94	15-30	NM	NC
	10/19/00	464.94	15-30	21.80	443.14
	2/22/01	464.94	15-30	22.87	442.07
	5/30/01	464.94	15-30	Dry	NC
	11/14/01	464.94	15-30	Dry	NC
	5/7/02	464.94	15-30	26.70	438.24
	9/11/02	464.94	15-30	25.96	438.98
	12/11/02	464.94	15-30	27.56	437.38
	3/14/03	464.94	15-30	22.41	442.53
	6/25/03	464.94	15-30	21.97	442.97
	9/16/03	464.94	15-30	24.70	440.24
	12/22/03	464.94	15-30	21.58	443.36
	3/10/04	464.94	15-30	17.31	447.63
	6/15/04	464.94	15-30	22.18	442.76
	9/17/04	464.94	15-30	25.44	439.50
	12/10/04	464.94	15-30	22.00	442.94
	3/2/05	464.94	15-30	16.75	448.19
	5/27/05	464.94	15-30	18.29	446.65
	7/21/05	464.94	15-30	20.46	444.48
	10/10/05	464.94	15-30	22.30	442.64
	1/9/06	464.94	15-30	17.67	447.27

Table 1
Groundwater Elevation Data
160 Holmes Street, Livermore, California

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	15-30	22.27	442.67
	10/12/06	464.94	15-30	23.35	441.59
	1/3/07	464.94	15-30	20.90	444.04
	4/13/07	464.94	15-30	23.16	441.78
	7/16/07	464.94	15-30	Dry	NC
	10/29/07	464.94	15-30	Dry	NC
	2/1/08	464.94	15-30	Dry	NC
	4/18/08	464.94	15-30	27.26	437.68
	7/28/08	464.94	15-30	Dry	NC
	11/18/08	464.94	15-30	Dry	NC
	2/4/09	464.94	15-30	Dry	NC
	4/21/09	464.94	15-30	Dry	NC
	9/24/09	464.94	15-30	Dry	NC
	3/4/10	464.94	15-30	25.12	439.82
	7/20/10	464.94	15-30	25.90	439.04
	1/19/11	464.94	15-30	25.30	439.64
	4/6/11	464.94	15-30	18.30	446.64
	9/19/11	464.94	15-30	22.45	442.49
	11/4/11	464.94	15-30	22.77	442.17
	2/1/12	464.94	15-30	Dry	NC
	6/12/12	464.94	15-30	26.79	438.15
	8/28/12	464.94	15-30	NS	NC
	3/13/13	464.94	15-30	21.81	443.13
	6/21/13	464.94	15-30	24.33	440.61
	8/24/13	464.94	15-30	NM	NC
	12/5/13	**464.94**	**15-30**	**23.16**	**441.78**
MW-3*	8/11/00	465.84	15-30	NM	NC
	10/19/00	465.84	15-30	22.45	443.39
	2/22/01	465.84	15-30	23.51	442.33
	5/30/01	465.84	15-30	Dry	NC
	11/14/01	465.84	15-30	Dry	NC
	5/7/02	465.84	15-30	Dry	NC
	9/11/02	465.84	15-30	26.61	439.23
	12/11/02	465.84	15-30	28.18	437.66
	3/14/03	465.84	15-30	23.04	442.80
	6/25/03	465.84	15-30	22.59	443.25
	9/16/03	465.84	15-30	25.33	440.51
	12/22/03	465.84	15-30	22.37	443.47
	3/10/04	465.84	15-30	17.88	447.96
	6/15/04	465.84	15-30	22.82	443.02
	9/17/04	465.84	15-30	26.09	439.75
	12/10/04	465.84	15-30	22.65	443.19
	3/5/05	465.84	15-30	17.33	448.51
	5/27/05	465.84	15-30	18.89	446.95
	7/21/05	465.84	15-30	21.10	444.74
	10/10/05	465.84	15-30	22.94	442.90
	1/9/06	465.84	15-30	18.24	447.60

Table 1
Groundwater Elevation Data
160 Holmes Street, Livermore, California

Monitoring Well ID	Date	Top of Casing Elevation* (feet, msl)	Screen Interval (feet, bgs)	Depth to Groundwater (feet)	Groundwater Elevation (feet, msl)
MW-3A*	4/6/06	465.84	15-30	16.02	449.82
	7/27/06	465.84	15-30	22.90	442.94
	10/12/06	465.84	15-30	23.99	441.85
	1/3/07	465.84	15-30	21.52	444.32
	4/13/07	465.84	15-30	23.78	442.06
	7/16/07	465.84	15-30	Dry	NC
	10/29/07	465.84	15-30	Dry	NC
	2/1/08	465.84	15-30	Dry	NC
	4/18/08	465.84	15-30	27.86	437.98
	7/28/08	465.84	15-30	Dry	NC
	11/18/08	465.84	15-30	Dry	NC
	2/4/09	465.84	15-30	Dry	NC
	4/21/09	465.84	15-30	Dry	NC
	9/24/09	465.84	15-30	Dry	NC
	3/4/10	465.84	15-30	27.95	437.89
	7/19/10	465.84	15-30	26.55	439.29
	1/19/11	465.84	15-30	23.63	442.21
	4/6/11	465.84	15-30	18.90	446.94
	9/19/11	465.85	15-30	23.40	442.45
	11/4/11	465.85	15-30	23.60	442.25
	2/1/12	465.85	15-30	Dry	NC
	6/12/12	465.85	15-30	27.47	438.38
	8/28/12	465.85	15-30	NM	NC
	3/13/13	465.85	15-30	22.47	443.38
	6/21/13	465.85	15-30	24.99	440.86
	8/24/13	465.85	15-30	NM	NC
	12/5/13	**465.85**	**15-30**	**23.81**	**442.04**
MW-4***	11/14/01	465.15	15-30	33.84	431.31
	5/7/02	465.15	15-30	26.75	438.40
	9/11/02	465.15	15-30	26.66	438.49
	12/11/02	465.15	15-30	28.39	436.76
	3/14/03	465.15	15-30	23.14	442.01
	6/25/03	465.15	15-30	22.72	442.43
	9/16/03	465.15	15-30	25.39	439.76
	12/22/03	465.15	15-30	22.42	442.73
	3/4/04	465.15	15-30	18.20	446.95
	6/15/04	465.15	15-30	22.95	442.20
	9/17/04	465.15	15-30	26.12	439.03
	12/10/04	465.15	15-30	22.73	442.42
	3/2/05	465.15	15-30	17.60	447.55
	5/27/05	465.15	15-30	19.14	446.01
	7/21/05	465.15	15-30	21.25	443.90
	10/10/05	465.15	15-30	22.85	442.30
	1/9/06	465.15	15-30	18.54	446.61

Table 1
Groundwater Elevation Data
160 Holmes Street, Livermore, California

Monitoring Well ID	Date	Top of Casing Elevation* (feet, msl)	Screen Interval (feet, bgs)	Depth to Groundwater (feet)	Groundwater Elevation (feet, msl)
MW-4A**	4/6/06	464.96	15-30	16.19	448.77
	7/27/06	464.96	15-30	22.87	442.09
	10/12/06	464.96	15-30	23.90	441.06
	1/3/07	464.96	15-30	21.52	443.44
	4/13/07	464.96	15-30	23.78	441.18
	7/16/07	464.96	15-30	Dry	NC
	10/29/07	464.96	15-30	Dry	NC
	2/1/08	464.96	15-30	Dry	NC
	4/18/08	464.96	15-30	27.91	437.05
	7/28/08	464.96	15-30	Dry	NC
	11/18/08	464.96	15-30	Dry	NC
	2/4/09	464.96	15-30	Dry	NC
	9/24/09	464.96	15-30	Dry	NC
	4/21/09	464.96	15-30	Dry	NC
	3/4/10	464.96	15-30	25.66	439.30
	7/20/10	464.96	15-30	24.25	440.71
	1/19/11	464.96	15-30	23.64	441.32
	4/6/11	464.96	15-30	18.90	446.06
	9/19/11	464.96	15-30	23.43	441.53
	11/4/11	464.96	15-30	23.40	441.56
	2/1/12	464.96	15-30	Dry	NC
	6/12/12	464.96	15-30	27.27	437.69
	8/28/12	464.96	15-30	NM	NC
	3/13/13	464.96	15-30	22.38	442.58
	6/21/13	464.96	15-30	24.88	440.08
	8/24/13	464.96	15-30	NM	NC
	12/5/13	**464.96**	**15-30**	**23.75**	**441.21**
MW-5***	11/14/01	464.65	20-50	34.94	429.71
	5/7/02	464.65	20-50	27.90	436.75
	9/11/02	464.65	20-50	27.99	436.66
	12/11/02	464.65	20-50	29.50	435.15
	3/14/03	464.65	20-50	24.26	440.39
	6/25/03	464.65	20-50	24.01	440.64
	9/16/03	464.65	20-50	26.83	437.82
	12/22/03	464.65	20-50	23.68	440.97
	3/10/04	464.65	20-50	19.22	445.43
	6/15/04	464.65	20-50	24.20	440.45
	9/17/04	464.65	20-50	27.68	436.97
	12/10/04	464.65	20-50	23.93	440.72
	3/2/05	464.65	20-50	18.56	446.09
	5/27/05	464.65	20-50	20.15	444.50
	7/21/05	464.65	20-50	22.55	442.10
	10/10/05	464.65	20-50	23.35	441.30
	1/9/06	464.65	20-50	19.53	445.12

Table 1
Groundwater Elevation Data
160 Holmes Street, Livermore, California

Monitoring Well ID	Date	Top of Casing Elevation* (feet, msl)	Screen Interval (feet, bgs)	Depth to Groundwater (feet)	Groundwater Elevation (feet, msl)
MW-5A**	4/6/06	464.64	20-35	17.35	447.29
	7/27/06	464.64	20-35	24.40	440.24
	10/12/06	464.64	20-35	25.58	439.06
	1/3/07	464.64	20-35	22.53	442.11
	4/13/07	464.64	20-35	24.77	439.87
	7/16/07	464.64	20-35	Dry	NC
	10/29/07	464.64	20-35	Dry	NC
	2/1/08	464.64	20-35	34.03	430.61
	4/18/08	464.64	20-35	28.13	436.51
	7/28/08	464.64	20-35	Dry	NC
	11/18/08	464.64	20-35	33.82	430.82
	2/4/09	464.64	20-35	Dry	NC
	4/21/09	464.64	20-35	Dry	NC
	9/24/09	464.64	20-35	Dry	NC
	3/4/10	464.64	20-35	28.77	435.87
	7/20/10	464.64	20-35	24.57	440.07
	1/19/11	464.64	20-35	24.52	440.12
	4/6/11	464.64	20-35	19.98	444.66
	9/19/11	464.64	20-35	24.62	440.02
	11/4/11	464.64	20-35	24.50	440.14
	2/1/12	464.64	20-35	Dry	NC
	6/12/12	464.64	20-35	28.39	436.25
	8/28/12	464.64	20-35	31.10	433.54
	3/13/13	464.64	20-35	23.38	441.26
	6/21/13	464.64	20-35	26.15	438.49
	8/24/13	464.64	20-35	26.66	437.98
	12/5/13	**464.64**	**20-35**	**25.05**	**439.59**
MW-5B**	4/6/06	464.59	50-55	17.44	447.15
	7/27/06	464.59	50-55	24.09	440.50
	10/12/06	464.59	50-55	25.17	439.42
	1/3/07	464.59	50-55	22.44	442.15
	4/13/07	464.59	50-55	25.33	439.26
	7/16/07	464.59	50-55	36.50	428.09
	10/29/07	464.59	50-55	47.90	416.69
	2/1/08	464.59	50-55	33.25	431.34
	4/18/08	464.59	50-55	28.77	435.82
	7/28/08	464.59	50-55	44.76	419.83
	11/18/08	464.59	50-55	51.65	412.94
	2/4/09	464.59	50-55	47.63	416.96
	4/21/09	464.59	50-55	37.00	427.59
	9/24/09	464.59	50-55	39.73	424.86
	3/4/10	464.59	50-55	28.97	435.62
	7/19/10	464.59	50-55	25.40	439.19
	1/19/11	464.59	50-55	24.52	440.07
	4/6/11	464.59	50-55	20.05	444.54
	9/19/11	464.59	50-55	24.50	440.09
	11/4/11	464.59	50-55	24.40	440.19
	2/1/12	464.59	50-55	33.96	430.63
	6/12/12	464.59	50-55	28.65	435.94
	8/28/12	464.59	50-55	31.22	433.37
	3/13/13	464.59	50-55	23.42	441.17
	6/21/13	464.59	50-55	26.21	438.38
	8/24/13	464.59	50-55	26.86	437.73
	12/5/13	**464.59**	**50-55**	**25.06**	**439.53**

Table 1
Groundwater Elevation Data
160 Holmes Street, Livermore, California

Monitoring Well ID	Date	Top of Casing Elevation* (feet, msl)	Screen Interval (feet, bgs)	Depth to Groundwater (feet)	Groundwater Elevation (feet, msl)
MW-6	11/14/01	464.13	20-50	33.88	430.25
	5/7/02	464.13	20-50	27.01	437.12
	9/11/02	464.13	20-50	27.03	437.10
	12/11/02	464.13	20-50	28.77	435.36
	3/14/03	464.13	20-50	23.46	440.67
	6/25/03	464.13	20-50	23.08	441.05
	9/16/03	464.13	20-50	25.77	438.36
	12/22/03	464.13	20-50	22.59	441.54
	3/10/04	464.13	20-50	18.65	445.48
	6/15/04	464.13	20-50	23.31	440.82
	9/17/04	464.13	20-50	26.56	437.57
	12/10/04	464.13	20-50	23.09	441.04
	3/2/05	464.13	20-50	18.04	446.09
	5/27/05	464.13	20-50	19.57	444.56
	7/21/05	464.13	20-50	21.60	442.53
	10/10/05	464.13	20-50	22.21	441.92
	1/9/06	464.13	20-50	18.99	445.14
	4/6/06	464.13	20-50	17.00	447.13
	7/27/06	464.13	20-50	23.45	440.68
	10/12/06	464.13	20-50	24.36	439.77
	1/3/07	464.13	20-50	22.03	442.10
	4/13/07	464.13	20-50	24.40	439.73
	7/16/07	464.13	20-50	NM	NC
	10/29/07	464.13	20-50	Dry	NC
	2/1/08	464.13	20-50	33.05	431.08
	4/18/08	464.13	20-50	28.20	435.93
	7/28/08	464.13	20-50	Dry	NC
	11/18/08	464.13	20-50	Dry	NC
	2/4/09	464.13	20-50	Dry	NC
	4/21/09	464.13	20-50	38.71	425.42
	9/24/09	464.13	20-50	38.26	425.87
	3/4/10	464.13	20-50	26.02	438.11
	7/19/10	464.13	20-50	24.65	439.48
	1/19/11	464.13	20-50	24.00	440.13
	4/6/11	464.13	20-50	21.76	442.37
	9/19/11	464.13	20-50	23.76	440.37
	11/4/11	464.13	20-50	23.00	441.13
	2/1/12	464.13	20-50	33.43	430.70
	6/12/12	464.13	20-50	27.62	436.51
	8/28/12	464.13	20-50	30.17	433.96
	3/13/13	464.13	20-50	22.72	441.41
	6/21/13	464.13	20-50	25.30	438.83
	8/24/13	464.13	20-50	25.86	438.27
	12/5/13	**464.13**	**20-50**	**24.21**	**439.92**

Table 1

Groundwater Elevation Data

160 Holmes Street, Livermore, California

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	15-30	23.40	441.92
	10/12/06	465.32	15-30	24.50	440.82
	1/3/07	465.32	15-30	21.80	443.52
	4/13/07	465.32	15-30	24.05	441.27
	7/16/07	465.32	15-30	Dry	NC
	10/29/07	465.32	15-30	Dry	NC
	2/1/08	465.32	15-30	Dry	NC
	4/18/08	465.32	15-30	28.16	437.16
	7/28/08	465.32	15-30	Dry	NC
	11/18/08	465.32	15-30	Dry	NC
	2/4/09	465.32	15-30	Dry	NC
	4/21/09	465.32	15-30	Dry	NC
	9/24/09	465.32	15-30	Dry	NC
	3/4/10	465.32	15-30	26.30	439.02
	7/19/10	465.32	15-30	24.78	440.54
	1/19/11	465.32	15-30	23.60	441.72
	4/6/11	465.32	15-30	19.35	445.97
	4/18/11	465.32	15-30	19.59	445.73
	5/9/11	465.32	15-30	21.15	444.17
	6/1/11	465.32	15-30	21.01	444.31
	6/15/11	465.32	15-30	21.45	443.87
	6/30/11	465.32	15-30	21.87	443.45
	9/19/11	465.32	15-30	23.96	441.36
	11/4/11	465.32	15-30	23.45	441.87
	2/1/12	465.32	15-30	Dry	NC
	6/13/12	465.32	15-30	27.93	437.39
	8/28/12	465.32	15-30	Dry	NC
	3/13/13	465.32	15-30	22.86	442.46
	6/21/13	465.32	15-30	25.09	440.23
	8/24/13	465.32	15-30	25.00	440.32
	12/5/13	**465.32**	**15-30**	**24.26**	**441.06**
MW-7B**	4/6/06	465.39	45-50	16.85	448.54
	7/27/06	465.39	45-50	23.72	441.67
	10/12/06	465.39	45-50	24.74	440.65
	1/3/07	465.39	45-50	22.18	443.21
	4/13/07	465.39	45-50	24.41	440.98
	7/16/07	465.39	45-50	36.40	428.99
	10/29/07	465.39	45-50	Dry	NC
	2/1/08	465.39	45-50	33.84	431.55
	4/18/08	465.39	45-50	28.52	436.87
	7/28/08	465.39	45-50	44.92	420.47
	11/18/08	465.39	45-50	Dry	NC
	2/4/09	465.39	45-50	46.65	418.74
	4/21/09	465.39	45-50	36.83	428.56
	9/24/09	465.39	45-50	39.26	426.13
	3/4/10	465.39	45-50	28.63	436.76
	7/19/10	465.39	45-50	25.05	440.34
	1/19/11	465.39	45-50	24.15	441.24
	4/6/11	465.39	45-50	21.78	443.61
	4/18/11	465.39	45-50	19.75	445.64
	5/9/11	465.39	45-50	20.40	444.99
	6/1/11	465.39	45-50	21.25	444.14
	6/15/11	465.39	45-50	21.45	443.94
	6/30/11	465.39	45-50	21.65	443.74
	9/19/11	465.39	45-50	24.10	441.29
	11/4/11	465.39	45-50	24.10	441.29

Table 1
Groundwater Elevation Data
160 Holmes Street, Livermore, California

Monitoring Well ID	Date	Top of Casing Elevation* (feet, msl)	Screen Interval (feet, bgs)	Depth to Groundwater (feet)	Groundwater Elevation (feet, msl)
MW-7B cont.	2/2/12	465.39	45-50	33.91	431.48
	6/13/12	465.39	45-50	28.14	437.25
	8/28/12	465.39	45-50	30.67	434.72
	3/13/13	465.39	45-50	23.05	442.34
	6/21/13	465.39	45-50	25.70	439.69
	8/24/13	465.39	45-50	26.26	439.13
	12/5/13	**465.39**	**45-50**	**24.51**	**440.88**
MW-7C**	4/6/06	465.39	65-70	17.18	448.21
	7/27/06	465.39	65-70	24.15	441.24
	10/12/06	465.39	65-70	24.74	440.65
	1/3/07	465.39	65-70	22.53	442.86
	4/13/07	465.39	65-70	24.73	440.66
	7/16/07	465.39	65-70	36.70	428.69
	10/29/07	465.39	65-70	48.25	417.14
	2/1/08	465.39	65-70	34.00	431.39
	4/18/08	465.39	65-70	28.75	436.64
	7/28/08	465.39	65-70	45.00	420.39
	11/18/08	465.39	65-70	49.62	415.77
	2/4/09	465.39	65-70	47.89	417.50
	4/21/09	465.39	65-70	36.98	428.41
	9/24/09	465.39	65-70	39.49	425.90
	3/4/10	465.39	65-70	26.66	438.73
	7/19/10	465.39	65-70	25.38	440.01
	1/19/11	465.39	65-70	24.50	440.89
	4/6/11	465.39	65-70	19.88	445.51
	9/19/11	465.39	65-70	23.50	441.89
	11/4/11	465.39	65-70	24.40	440.99
	2/2/12	465.39	65-70	34.14	431.25
	6/13/12	465.39	65-70	28.54	436.85
	8/28/12	465.39	65-70	31.07	434.32
	3/13/13	465.39	65-70	23.34	442.05
	6/21/13	465.39	65-70	26.00	439.39
	8/24/13	465.39	65-70	26.64	438.75
	12/5/13	**465.39**	**65-70**	**24.91**	**440.48**
MW-8A	7/28/08	NC	16-36	Dry	NC
	11/18/08	NC	16-36	35.40	NC
	2/4/09	NC	16-36	Dry	NC
	4/21/09	NC	16-36	Dry	NC
	9/24/09	NC	16-36	Dry	NC
	3/4/10	NC	16-36	26.33	NC
	7/20/10	NC	16-36	25.00	NC
	1/19/11	NC	16-36	24.30	NC
	4/6/11	NC	16-36	19.22	NC
	9/19/11	NC	16-36	24.05	NC
	11/4/11	NC	16-36	24.10	NC
	2/2/12	NC	16-36	33.99	NC
	6/12/12	NC	16-36	28.01	NC
	8/28/12	NC	16-36	30.53	NC
	3/13/13	NC	16-36	23.09	NC
	6/21/13	NC	16-36	25.60	NC
	8/24/13	NC	16-36	26.13	NC
	12/5/13	**NC**	**16-36**	**24.45**	**NC**

Table 1
Groundwater Elevation Data
160 Holmes Street, Livermore, California

Monitoring Well ID	Date	Top of Casing Elevation* (feet, msl)	Screen Interval (feet, bgs)	Depth to Groundwater (feet)	Groundwater Elevation (feet, msl)
MW-8B	7/28/08	NC	46-51	44.90	NC
	11/18/08	NC	46-51	49.85	NC
	2/4/09	NC	46-51	47.95	NC
	4/21/09	NC	46-51	38.75	NC
	9/24/09	NC	46-51	38.47	NC
	3/4/10	NC	46-51	28.24	NC
	7/20/10	NC	46-51	24.70	NC
	1/19/11	NC	46-51	24.05	NC
	4/6/11	NC	46-51	19.42	NC
	9/19/11	NC	46-51	23.80	NC
	11/4/11	NC	46-51	23.50	NC
	2/2/12	NC	46-51	33.73	NC
	6/13/12	NC	46-51	27.75	NC
	8/28/12	NC	46-51	30.28	NC
	3/13/13	NC	46-51	22.82	NC
	6/21/13	NC	46-51	25.36	NC
	8/24/13	NC	46-51	25.91	NC
	12/5/13	**NC**	**46-51**	**24.24**	**NC**
MW-9A	7/28/08	NC	14-36	Dry	NC
	11/18/08	NC	14-36	48.97	NC
	2/4/09	NC	14-36	Dry	NC
	4/21/09	NC	14-36	Dry	NC
	9/24/09	NC	14-36	Dry	NC
	3/4/10	NC	14-36	27.86	NC
	7/20/10	NC	14-36	24.15	NC
	1/19/11	NC	14-36	23.40	NC
	4/6/11	NC	14-36	21.50	NC
	9/19/11	NC	14-36	23.25	NC
	11/4/11	NC	14-36	23.50	NC
	2/1/12	NC	14-36	33.10	NC
	6/12/12	NC	14-36	27.30	NC
	8/28/12	NC	14-36	29.72	NC
	3/13/13	NC	14-36	22.20	NC
	6/21/13	NC	14-36	24.79	NC
	8/24/13	NC	14-36	25.35	NC
	12/5/13	**NC**	**14-36**	**24.68**	**NC**
MW-9B	7/28/08	NC	47-52	44.05	NC
	11/18/08	NC	47-52	38.28	NC
	2/4/09	NC	47-52	47.03	NC
	4/21/09	NC	47-52	35.94	NC
	9/24/09	NC	47-52	37.93	NC
	3/4/10	NC	47-52	27.68	NC
	7/20/10	NC	47-52	24.30	NC
	1/19/11	NC	47-52	23.55	NC
	4/6/11	NC	47-52	21.21	NC
	9/19/11	NC	47-52	23.12	NC
	11/4/11	NC	47-52	23.35	NC
	2/1/12	NC	47-52	33.13	NC
	6/12/12	NC	47-52	27.19	NC
	8/28/12	NC	47-52	29.82	NC
	3/13/13	NC	47-52	22.29	NC
	6/21/13	NC	47-52	24.86	NC
	8/24/13	NC	47-52	25.42	NC
	12/5/13	**NC**	**47-52**	**23.77**	**NC**

Table 1
Groundwater Elevation Data
160 Holmes Street, Livermore, California

Monitoring Well ID	Date	Top of Casing Elevation* (feet, msl)	Screen Interval (feet, bgs)	Depth to Groundwater (feet)	Groundwater Elevation (feet, msl)
EX-1**	11/14/01	465.30	30-55	33.41	431.89
	5/7/02	465.30	30-55	27.58	437.72
	9/11/02	465.30	30-55	NM	NC
	12/11/02	465.30	30-55	27.98	437.32
	3/14/03	465.30	30-55	23.02	442.28
	6/25/03	465.30	30-55	22.41	442.89
	9/16/03	465.30	30-55	24.65	440.65
	3/10/04	465.30	30-55	17.99	447.31
	6/15/04	465.30	30-55	22.48	442.82
	9/17/04	465.30	30-55	25.91	439.39
	12/10/04	465.30	30-55	NM	NC
	3/2/05	465.30	30-55	NM	NC
	5/27/05	465.30	30-55	18.68	446.62
	7/21/05	465.30	30-55	21.55	443.75
	10/10/05	465.30	30-55	22.73	442.57
	1/9/06	465.30	30-55	18.05	447.25
EW-1***	4/6/06	465.45	15-40	15.99	449.46
	7/27/06	465.45	15-40	23.85	441.60
	10/12/06	465.45	15-40	23.51	441.94
	1/3/07	465.45	15-40	21.45	444.00
	4/13/07	465.45	15-40	23.69	441.76
	10/29/07	465.45	15-40	NM	NC
	2/1/08	465.45	15-40	NM	NC
	4/18/08	465.45	15-40	27.83	437.62
	7/28/08	465.45	15-40	NM	NC
	11/18/08	465.45	15-40	Dry	NC
	2/4/09	465.45	15-40	Dry	NC
	4/21/09	465.45	15-40	Dry	NC
	9/24/09	465.45	15-40	Dry	NC
	3/4/10	465.45	15-40	27.87	NC
	7/20/10	465.45	15-40	24.35	441.10
	1/19/11	465.45	15-40	23.58	441.87
	4/6/11	465.45	15-40	18.85	446.60
	4/18/11	465.45	15-40	19.70	445.75
	5/9/11	465.45	15-40	19.69	445.76
	6/1/11	465.45	15-40	20.52	444.93
	6/15/11	465.45	15-40	21.11	444.34
	6/30/11	465.45	15-40	21.41	444.04
	9/19/11	465.45	15-40	22.35	443.10
	11/4/11	465.45	15-40	23.35	442.10
	2/2/12	465.45	15-40	33.38	432.07
	6/13/12	465.45	15-40	27.38	438.07
	8/28/12	465.45	15-40	29.90	435.55
	3/13/13	465.45	15-40	22.38	443.07
	6/21/13	465.45	15-40	24.95	440.50
	8/24/13	465.45	15-40	25.52	439.93
	12/5/13	**465.45**	**15-40**	**23.75**	**441.70**
EW-2***	4/6/06	465.99	15-40	16.20	449.79
	7/27/06	465.99	15-40	23.10	442.89
	10/12/06	465.99	15-40	21.48	444.51
	1/3/07	465.99	15-40	21.66	444.33
	4/13/07	465.99	15-40	23.93	442.06
	10/29/07	465.99	15-40	Dry	NC
	2/1/08	465.99	15-40	NM	NC
	4/18/08	465.99	15-40	28.04	437.95
	7/28/08	465.99	15-40	NM	NC
	11/18/08	465.99	15-40	Dry	NC

Table 1
Groundwater Elevation Data
160 Holmes Street, Livermore, California

Monitoring Well ID	Date	Top of Casing Elevation* (feet, msl)	Screen Interval (feet, bgs)	Depth to Groundwater (feet)	Groundwater Elevation (feet, msl)
EW-2***	2/4/09	465.99	15-40	Dry	NC
cont.	4/21/09	465.99	15-40	Dry	NC
	9/24/09	465.99	15-40	Dry	NC
	3/4/10	465.99	15-40	25.89	NC
	7/20/10	465.99	15-40	24.45	441.54
	1/19/11	465.99	15-40	23.72	442.27
	4/6/11	465.99	15-40	19.00	446.99
	4/18/11	465.99	15-40	19.19	446.80
	5/9/11	465.99	15-40	19.67	446.32
	6/1/11	465.99	15-40	20.71	445.28
	6/15/11	465.99	15-40	21.00	444.99
	6/30/11	465.99	15-40	21.31	444.68
	9/19/11	465.99	15-40	23.55	442.44
	11/4/11	465.99	15-40	23.60	442.39
	2/2/12	465.99	15-40	33.66	432.33
	6/13/12	465.99	15-40	27.64	438.35
	8/28/12	465.99	15-40	NM	NC
	3/13/13	465.99	15-40	22.58	443.41
	6/21/13	465.99	15-40	26.14	439.85
	8/24/13	465.99	15-40	NM	NC
	12/5/13	**465.99**	**15-40**	**NM**	**NC**
EW-3 [(a)]	11/18/08	NC	25-30	Dry	NC
	2/4/09	NC	25-30	33.80	NC
	4/21/09	NC	25-30	Dry	NC
	9/24/09	NC	25-30	Dry	NC
	3/4/10	NC	25-30	28.02	NC
	7/20/10	NC	25-30	NM	NC
	1/19/11	NC	25-30	23.50	NC
	4/6/11	NC	25-30	18.30	NC
	4/18/11	NC	25-30	19.40	NC
	5/9/11	NC	25-30	19.67	NC
	6/1/11	NC	25-30	20.72	NC
	6/15/11	NC	25-30	20.92	NC
	6/30/11	NC	25-30	21.11	NC
	9/19/11	NC	25-30	23.25	NC
	11/4/11	NC	25-30	23.30	NC
	2/2/12	NC	25-30	28.76	NC
	6/13/12	NC	25-30	27.31	NC
	8/28/12	NC	25-30	28.87	NC
	3/13/13	NC	25-30	22.32	NC
	6/21/13	NC	25-30	23.35	NC
	8/24/13	NC	25-30	24.96	NC
	12/5/13	**NC**	**25-30**	**23.70**	**NC**
EW-3B [(b)]	3/13/13	NC	24-39	21.73	NC
	6/21/13	NC	24-39	24.12	NC
	8/24/13	NC	24-39	24.99	NC
	12/5/13	**NC**	**24-39**	**23.71**	**NC**

Notes:
msl = mean sea level
bgs = below ground surface
NC = elevation not calculated
NM = well not measured
* = Well MW-1, 2, and 3 renamed MW-1A, 2A, and 3A respectively
** = Well destroyed on 2/22/06-2/28/06
*** = Well installed on 2/22/06-2/28/06
(a) = Well EW-3 is 35 feet deep with a screen interval from 25 to 30 feet bgs.
(b) = Well EW-3B installed on March 5, 2013 with a screen interval from 24 to 39 feet bgs.

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

Well ID	Date Collected	Groundwater Elevation (feet above MSL)	Total Petroleum Hydrocarbons (µg/L)		Aromatic Volatile Organic Compounds (µg/L)					Oxygenated Volatile Organics (µg/L)							Lead Scavengers (µg/L)		Hexavalent Chromium (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	--	--	--	--	--	--	--	--	--	--
	10/19/00	443.09	170,000	17,000	8,400	3,200	2,700	10,000	200,000	--	--	--	--	--	--	--	--	--	--
	2/22/01	442.12	82,000	11,000	5,100	1,000	13,000	8,700	190,000	--	--	--	--	--	--	--	--	--	--
	5/30/01	NC	NS	NS	not sampled - well dry				NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	11/14/01	NC	NS	NS	not sampled - well dry				NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	5/7/02	NC	NS	NS	not sampled - well dry				NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	9/11/02	438.87	130,000	--	7,700	1,100	--	1,500	<5000	--	--	--	--	--	--	--	--	--	--
	12/1/02	437.48	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	3/14/03	442.40	180,000	3,800	7,100	3,200	4,300	6,000	220,000	--	--	--	--	--	--	--	--	--	--
	6/25/03	442.93	71,000	3,100	7,500	4,700	4,800	8,900	210,000	--	--	--	--	--	--	--	--	--	--
	9/16/03	440.12	37,000	3,600	4,600	220	3,600	930	150,000	--	--	--	--	--	--	--	--	--	--
	12/22/03	443.28	44,000	4,000	6,800	1,500	4,000	3,800	180,000	--	--	--	--	--	--	--	--	--	--
	3/10/04	447.58	72,000	3,100	6,000	11,000	3,900	10,000	260,000	--	--	--	--	--	--	--	--	--	--
	6/15/04	442.65	42,000	4,300	5,000	1,800	3,700	6,000	210,000	--	--	--	--	--	--	--	--	--	--
	9/17/04	439.42	24,000	2,900	2,800	<33	2,900	500	83,000	--	--	--	--	--	--	--	--	--	--
	12/10/04	442.85	31,000	2,700	4,600	190	4,400	2,800	200,000	--	--	--	--	--	--	--	--	--	--
	3/2/05	448.08	58,000	2,800	4,000	2,500	4,500	7,800	230,000	--	--	--	--	--	--	--	--	--	--
	5/27/05	446.61	79,000	4,600	4,300	6,200	5,100	13,000	240,000	--	--	--	--	--	--	--	--	--	--
	7/21/05	443.65	80,000	--	4,300	5,300	5,400	14,000	300,000	--	--	--	--	--	--	--	--	--	--
	10/10/05	442.54	58,000	--	4,300	240	5,600	8,300	170,000	--	--	--	--	--	--	--	--	--	--
	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	--	--	--	--	--
	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	--	--	--
	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	NS
	10/29/07	NC	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2/1/08	NC	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	4/18/08	437.69	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	7/28/08	NC	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	11/18/08	NC	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2/4/09	NC	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	4/21/09	NC	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	9/24/09	430.03	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	3/4/10	436.98	1,300	--	140	<5.0	26	6.0	16,000	--	--	--	--	--	--	--	--	--	--
	7/19/10	441.18	400	--	1.2	1.3	<0.5	0.76	880	--	--	--	--	--	--	--	--	--	--
	1/20/11	441.91	150	130	1.4	0.6	<0.5	1.4	300	<250	40,000	<250	<250	330	--	--	<250	<250	--
	4/8/11	442.37	200	180	2.0	1.9	<0.5	4.4	1,300	<120	24,000	<120	<120	2,300	--	--	<120	<120	<0.2
	4/18/11	446.33	140	130	0.56	<0.5	<0.5	4.2	1,500	<50	11,000	<50	<50	1,200	--	--	<0.5	<50	<10

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

Well ID	Date Collected	Groundwater Elevation (feet above MSL)	Total Petroleum Hydrocarbons (µg/L)		Aromatic Volatile Organic Compounds (µg/L)					Oxygenated Volatile Organics (µg/L)							Lead Scavengers (µg/L)		Hexavalent Chromium (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* cont.	5/9/11	445.77	<50	<50	<0.5	<0.5	<0.5	<0.5	880	<50	12,000	<50	<50	1,000	--	--	<50	<50	5.6
	6/1/11	444.93	<50	52	<0.5	<0.5	<0.5	<0.5	350	<50	12,000	<50	<50	480	--	--	<50	<50	1.3
	6/15/11	444.59	<50	70	<0.5	<0.5	<0.5	<0.5	310	<100	9,000	<100	<100	330	--	--	<100	<100	0.66
	6/30/11	444.30	<50	54	<0.5	<0.5	<0.5	<0.5	150	<50	6,200	<50	<50	170	--	--	<50	<50	0.54
	9/20/11	442.12	96	200	<0.5	0.6	<0.5	0.55	140	<120	19,000	<120	<120	150	--	--	<120	<120	--
	11/8/11	442.03	100	150	1.3	0.99	<0.5	1.1	110	<100	21,000	<100	<100	150	--	--	<100	<100	--
	2/1/12	NC	NS	NS	not sampled - well dry				NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	6/13/12	438.13	65	300	0.96	0.70	<0.5	<0.5	5.5	<50	10,000	<50	<50	<50	--	--	<0.5	<0.5	--
	8/28/12	NC	NS	NS	not sampled - well dry				NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	3/14/13	443.09	<50	<50	1.1	<0.5	<0.5	<0.5	<5.0	<50	5,100	<50	<50	<50	<50	<50	<50	<50	<0.2
	6/25/13	439.51	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0	<100	6,800	<100	<100	<100	--	--	<100	<100	1.2
	7/22/13	NC	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0	<100	17,000	<100	<100	<100	--	--	<100	<100	<2.0
	8/28/13	439.94	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0	<100	19,000	<100	<100	<100	--	--	<100	<100	<0.2
	12/6/13	**441.72**	**<50**	**<50**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**5.2**	**<120**	**24,000**	**<120**	**<120**	**<120**	**--**	**--**	**<120**	**<120**	**<0.2**
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	--	--	--	--	--
	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	--	--	--
	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	--	--	--	--	--
	10/29/07	417.70	<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	--
	2/1/08	431.12	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<2.0	<0.5	<0.5	<0.5	<50	<500	<0.5	<0.5	--
	4/18/08	437.67	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<2.0	<0.5	<0.5	<0.5	<50	<500	<0.5	<0.5	--
	7/29/08	420.99	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<2.0	<0.5	<0.5	<0.5	<50	<500	<0.5	<0.5	--
	11/18/08	NC	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	--
	2/4/09	418.19	<50	--	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--	--	--	--	--
	4/21/09	427.92	<50	--	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--	--	--	--	--
	9/24/09	427.26	<50	--	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	1.1	--	--	--	--	--
	3/4/10	437.61	<50	--	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--	--	--	--	--
	7/19/10	NC	<50	--	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--	--	--	--	--
	1/20/11	441.92	<50	130	<0.5	<0.5	<0.5	<0.5	<5.0	<250	40,000	<250	<250	330	--	--	<250	<250	--
	4/8/11	446.62	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<2.0	<0.5	<0.5	<0.5	--	--	<0.5	<0.5	2.5
	4/18/11	446.42	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<2.0	<0.5	<0.5	<0.5	--	--	<0.5	<0.5	2.4
	5/9/11	445.91	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<2.0	<0.5	<0.5	<0.5	--	--	<0.5	<0.5	2.4
	6/1/11	444.92	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<2.0	<0.5	<0.5	<0.5	--	--	<0.5	<0.5	1.4
	6/15/11	444.58	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<2.0	<0.5	<0.5	<0.5	--	--	<0.5	<0.5	1.8
	6/30/11	444.28	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<2.0	<0.5	<0.5	<0.5	--	--	<0.5	<0.5	2.1
	9/20/11	442.10	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<2.0	<0.5	<0.5	<0.5	--	--	<0.5	<0.5	--
	11/8/11	442.07	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<2.0	<0.5	<0.5	<0.5	--	--	<0.5	<0.5	--
	2/2/12	432.02	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<2.0	<0.5	<0.5	<0.5	--	--	<0.5	<0.5	--
	6/13/12	438.03	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<2.0	<0.5	<0.5	<0.5	--	--	<0.5	<0.5	--
	8/28/12	435.51	<50	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<2.0	<0.5	<0.5	<0.5	--	--	<0.5	<0.5	1.6

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

Well ID	Date Collected	Groundwater Elevation (feet above MSL)	Total Petroleum Hydrocarbons (µg/L)		Aromatic Volatile Organic Compounds (µg/L)					Oxygenated Volatile Organics (µg/L)							Lead Scavengers (µg/L)		Hexavalent Chromium (µg/L)
			Gasoline	Diesel	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE (8021B)	TAME	TBA	DIPE	ETBE	MTBE	Ethanol	Methanol	EDB	1,2-DCA	
MW-1B cont.	3/14/13	443.06	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<2.0	<0.5	<0.5	<0.5	--	--	<0.5	<0.5	1.6
	6/21/13	441.47	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<2.0	<0.5	<0.5	<0.5	--	--	<0.5	<0.5	1.9
	7/22/13	NC	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	6.8	<0.5	<0.5	<0.5	--	--	<0.5	<0.5	1.7
	8/24/13	439.91	<50	110	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<2.0	<0.5	<0.5	<0.5	--	--	<0.5	<0.5	1.7
	12/6/13	**441.67**	**<50**	**--**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<5.0**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**
MW- 2A*	8/11/00	NC	4,500	1,900	220	52	160	170	3,000	--	--	--	--	--	--	--	--	--	--
	10/19/00	443.14	3,400	1,300	150	21	100	70	1,900	--	--	--	--	--	--	--	--	--	--
	2/22/01	442.07	7,600	880	25	<10	69	25	2,200	--	--	--	--	--	--	--	--	--	--
	5/30/01	NC	NS	NS	not sampled - well dry				NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	11/14/01	NC	NS	NS	not sampled - well dry				NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	5/7/02	438.24	400	86	5.4	<0.5	1.9	2.3	230	--	--	--	--	--	--	--	--	--	--
	9/11/02	438.98	260	--	1.3	<0.5	0.57	0.77	200	--	--	--	--	--	--	--	--	--	--
	12/1/02	437.38	250	120	7.9	1.6	13	9.9	180	--	--	--	--	--	--	--	--	--	--
	3/14/03	442.53	830	110	56	<0.5	<0.5	<1.0	1,200	--	--	--	--	--	--	--	--	--	--
	6/25/03	442.97	260	180	0.92	2.9	3.1	8.1	2,000	--	--	--	--	--	--	--	--	--	--
	9/16/03	440.24	420	260	3.6	3.4	5.2	2.4	1,300	--	--	--	--	--	--	--	--	--	--
	12/22/03	443.36	240	120	0.82	3.1	7.8	3.9	1,400	--	--	--	--	--	--	--	--	--	--
	3/10/04	447.63	280	210	9.4	4.2	14	11	1,400	--	--	--	--	--	--	--	--	--	--
	6/15/04	442.76	150	150	2.1	2.4	2.2	1.3	1,500	--	--	--	--	--	--	--	--	--	--
	9/17/04	439.50	61	70	<0.5	1.0	<0.5	<0.5	730	--	--	--	--	--	--	--	--	--	--
	12/10/04	442.94	84	110	<0.5	1.2	<0.5	1.5	1,300	--	--	--	--	--	--	--	--	--	--
	3/2/05	448.19	63	91	0.55	<0.5	0.63	0.51	1,000	--	--	--	--	--	--	--	--	--	--
	5/27/05	446.65	270	59	14	3.9	19	6.8	1,100	--	--	--	--	--	--	--	--	--	--
	7/21/05	444.48	280	--	8.6	2.5	17	2.5	1,500	--	--	--	--	--	--	--	--	--	--
	10/10/05	442.64	<50	--	<.5	<.5	<.5	<.5	680	--	--	--	--	--	--	--	--	--	--
	1/9/06	447.27	1,700	890	4.4	1.3	120	18	530	<10	330	<10	<10	590	<1,000	<10,000	<10	<10	--
	4/7/06	449.47	110	160	0.61	0.8	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	--	--	--	--	--
	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	<5,000	--	--	--
	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	0.6	<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	NS
	10/29/07	NC	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2/1/08	NC	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	4/18/08	437.68	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	7/28/08	NC	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	11/18/08	NC	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2/4/09	NC	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	4/21/09	NC	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	9/24/09	NC	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	3/4/10	439.82	<50	--	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--	--	--	--	--
	7/20/10	439.09	<50	--	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--	--	--	--	--

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

Well ID	Date Collected	Groundwater Elevation (feet above MSL)	Total Petroleum Hydrocarbons (µg/L)		Aromatic Volatile Organic Compounds (µg/L)					Oxygenated Volatile Organics (µg/L)							Lead Scavengers (µg/L)		Hexavalent Chromium (µg/L)
			Gasoline	Diesel	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE (8021B)	TAME	TBA	DIPE	ETBE	MTBE	Ethanol	Methanol	EDB	1,2-DCA	
MW- 2A* cont.	1/21/11	439.64	<50	<50	<0.5	<0.5	<0.5	<0.5	2.8	<5.0	<5.0	<5.0	<5.0	2.8	--	--	<5.0	<5.0	--
	4/8/11	446.64	<50	<50	<0.5	0.77	<0.5	6.2	<5.0	<0.5	15	<0.5	<0.5	3.3	--	--	<0.5	<0.5	<0.2
	4/18/11	NC	<50	<50	<0.5	<0.5	<0.5	2.6	<5.0	24	24	<0.5	<0.5	2.7	--	--	<0.5	<0.5	<0.2
	5/9/11	NC	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	26	<0.5	<0.5	3.7	--	--	<0.5	<0.5	<0.2
	6/1/11	NC	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	13	<0.5	<0.5	2.8	--	--	<0.5	<0.5	<0.2
	6/15/11	NC	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	19	<0.5	<0.5	2.8	--	--	<0.5	<0.5	<0.2
	6/30/11	NC	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	13	<0.5	<0.5	3.0	--	--	<0.5	<0.5	<0.2
	9/20/11	442.49	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	7.9	<0.5	<0.5	2.8	--	--	<0.5	<0.5	--
	11/8/11	442.17	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<2.0	<0.5	<0.5	2.3	--	--	<0.5	<0.5	--
	2/1/12	NC	NS	NS	not sampled - well dry				NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	6/12/12	438.15	<50	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	5.4	<0.5	<0.5	1.1	--	--	<0.5	<0.5	--
	8/30/12	NC	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	3/13/13	443.13	<50	--	<0.5	<0.5	<0.5	0.70	<5.0	<0.5	<2.0	<0.5	<0.5	<0.5	--	--	--	--	--
	6/25/13	440.61	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	7/22/13	NC	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	8/24/13	NC	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	12/5/13	**441.78**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**
MW- 3A*	8/11/00	NC	59	260	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--	--	--	--	--
	10/19/00	443.39	<50	<65	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--	--	--	--	--
	2/22/01	442.33	<50	100	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--	--	--	--	--
	5/30/01	NC	NS	NS	not sampled - well dry				NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	11/14/01	NC	NS	NS	not sampled - well dry				NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	5/7/02	NC	NS	NS	not sampled - well dry				NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	9/11/02	439.23	<50	--	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--	--	--	--	--
	12/1/02	437.66	NS	NS	not sampled - well dry				NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	3/14/03	442.80	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--	--	--	--	--
	6/25/03	443.25	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--	--	--	--	--
	9/16/03	440.51	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--	--	--	--	--
	12/22/03	443.47	<50	69	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--	--	--	--	--
	3/10/04	447.96	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--	--	--	--	--
	6/15/04	443.02	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--	--	--	--	--
	9/17/04	439.75	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--	--	--	--	--
	12/10/04	443.19	<50	<50	<0.5	<0.5	<0.5	<0.5	7.6	--	--	--	--	--	--	--	--	--	--
	3/2/05	448.51	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--	--	--	--	--
	5/27/05	446.95	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--	--	--	--	--
	7/21/05	444.74	<50	--	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--	--	--	--	--
	10/10/05	442.90	<50	--	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--	--	--	--	--
	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	--	--	--	--	--
	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	--	--	--
	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	--

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

Well ID	Date Collected	Groundwater Elevation (feet above MSL)	Total Petroleum Hydrocarbons (µg/L)		Aromatic Volatile Organic Compounds (µg/L)					Oxygenated Volatile Organics (µg/L)							Lead Scavengers (µg/L)		Hexavalent Chromium (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 cont.	7/16/07	NC	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	10/29/07	NC	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2/1/08	NC	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	4/18/08	437.98	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	7/28/08	NC	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	11/18/08	NC	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2/4/09	NC	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	4/21/09	NC	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	9/24/09	NC	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	3/4/10	437.89	<50	--	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--	--	--	--	--
	7/19/20	439.29	<50	--	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--	--	--	--	--
	1/20/11	442.21	<50	--	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--	--	--	--	--
	4/8/11	446.94	<50	--	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--	--	--	--	--
	9/20/11	442.45	<50	--	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--	--	--	--	--
	11/8/11	442.25	<50	--	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--	--	--	--	--
	2/1/12	NC	NS	NS	not sampled - well dry				NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	6/12/12	438.38	<50	NS	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--	--	--	--	--
	8/28/12	NC	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	3/13/13	443.38	<50	--	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--	--	--	--	--
	6/25/13	440.86	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	7/22/13	NC	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	8/24/13	NC	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	12/5/13	**442.04**	**NS**	**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	--	--	--	--	--	--	--	--	--	--
	5/7/02	438.40	150	<50	3.5	0.5	<0.5	<0.5	48	--	--	--	--	--	--	--	--	--	--
	9/11/02	438.49	<50	--	<0.5	<0.5	<0.5	<0.5	15	--	--	--	--	--	--	--	--	--	--
	12/1/02	436.76	<50	<50	<0.5	<0.5	<0.5	<0.5	24	--	--	--	--	--	--	--	--	--	--
	3/14/03	442.01	<50	<50	<0.5	<0.5	<0.5	<0.5	<1.0	--	--	--	--	--	--	--	--	--	--
	6/25/03	442.43	<50	<50	<0.5	<0.5	<0.5	<0.5	<1.0	--	--	--	--	--	--	--	--	--	--
	9/16/03	439.76	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--	--	--	--	--
	12/22/03	442.73	<50	69	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--	--	--	--	--
	3/10/04	446.95	<50	<50	<0.5	<0.5	<0.5	<0.5	37	--	--	--	--	--	--	--	--	--	--
	6/15/04	442.20	<50	<50	<0.5	<0.5	<0.5	<0.5	7.4	--	--	--	--	--	--	--	--	--	--
	9/17/04	439.03	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--	--	--	--	--
	12/10/04	442.42	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--	--	--	--	--
	3/2/05	447.55	<50	<50	<0.5	<0.5	<0.5	<0.5	14	--	--	--	--	--	--	--	--	--	--
	5/27/05	446.01	<50	<50	<0.5	<0.5	<0.5	<0.5	9.6	--	--	--	--	--	--	--	--	--	--
	7/21/05	443.90	<50	--	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--	--	--	--	--
	10/10/05	442.30	<50	--	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--	--	--	--	--
	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	--

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

Well ID	Date Collected	Groundwater Elevation (feet above MSL)	Total Petroleum Hydrocarbons (µg/L)		Aromatic Volatile Organic Compounds (µg/L)					Oxygenated Volatile Organics (µg/L)							Lead Scavengers (µg/L)		Hexavalent Chromium (µg/L)
			Gasoline	Diesel	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE (8021B)	TAME	TBA	DIPE	ETBE	MTBE	Ethanol	Methanol	EDB	1,2-DCA	
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	--	--	--	--	--
	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	--	--	--
	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	NS
	10/29/07	NC	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2/1/08	NC	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	4/18/08	437.05	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	7/28/08	NC	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	11/18/08	NC	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2/4/09	NC	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	4/21/09	NC	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	9/24/09	NC	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	3/4/10	439.30	<50	--	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--	--	--	--	--
	7/20/10	440.71	<50	--	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--	--	--	--	--
	1/20/11	441.32	<50	--	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--	--	--	--	--
	4/7/11	436.16	<50	--	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--	--	--	--	--
	9/19/11	441.53	<50	--	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--	--	--	--	--
	11/7/11	441.56	<50	--	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--	--	--	--	--
	2/1/12	NC	NS	NS	not sampled - well dry				NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	6/12/12	437.69	<50	--	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--	--	--	--	--
	8/28/12	NC	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	3/13/13	442.58	<50	--	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--	--	--	--	--
	6/25/13	440.08	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	7/22/13	NC	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	8/24/13	NC	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	12/5/13	**441.21**	**NS**	**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	--	--	--	--	--	--	--	--	--	--
	5/7/02	436.75	140	<50	<0.5	<0.5	<0.5	<0.5	110	--	--	--	--	--	--	--	--	--	--
	9/11/02	436.66	<50	--	<0.5	<0.5	<0.5	<0.5	6.3	--	--	--	--	--	--	--	--	--	--
	12/1/02	435.15	73	<50	<0.5	<0.5	<0.5	<0.5	160	--	--	--	--	--	--	--	--	--	--
	3/14/03	440.39	110	<50	<0.5	<0.5	<0.5	<0.5	170	--	--	--	--	--	--	--	--	--	--
	6/25/03	440.64	<50	<50	<0.5	<0.5	<0.5	<0.5	89	--	--	--	--	--	--	--	--	--	--
	9/16/03	437.82	630	<50	<0.5	3.50	<0.5	2.6	1,500	--	--	--	--	--	--	--	--	--	--
	12/22/03	440.97	<0.5	<50	<0.5	<0.5	<0.5	<0.5	630	--	--	--	--	--	--	--	--	--	--
	3/10/04	445.43	57	<50	<0.5	<0.5	<0.5	<0.5	1,100	--	--	--	--	--	--	--	--	--	--
	6/15/04	440.45	<50	<50	<0.5	<0.5	<0.5	<0.5	750	--	--	--	--	--	--	--	--	--	--
	9/17/04	436.97	<50	<50	<0.5	<0.5	<0.5	<0.5	780	--	--	--	--	--	--	--	--	--	--
	12/10/04	440.72	<50	<50	<0.5	<0.5	<0.5	<0.5	120	--	--	--	--	--	--	--	--	--	--

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

Well ID	Date Collected	Groundwater Elevation (feet above MSL)	Total Petroleum Hydrocarbons (µg/L)		Aromatic Volatile Organic Compounds (µg/L)					Oxygenated Volatile Organics (µg/L)							Lead Scavengers (µg/L)		Hexavalent Chromium (µg/L)
			Gasoline	Diesel	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE (8021B)	TAME	TBA	DIPE	ETBE	MTBE	Ethanol	Methanol	EDB	1,2-DCA	
MW-5** cont.	3/2/05	446.09	<50	<50	<0.5	<0.5	<0.5	<0.5	320	--	--	--	--	--	--	--	--	--	--
	5/27/05	444.50	<50	<50	<0.5	<0.5	<0.5	<0.5	120	--	--	--	--	--	--	--	--	--	--
	7/21/05	442.10	<50	--	<0.5	<0.5	<0.5	<0.5	97	--	--	--	--	--	--	--	--	--	--
	10/10/05	441.30	<50	--	<0.5	<0.5	<0.5	<0.5	41	--	--	--	--	--	--	--	--	--	--
	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	--	--	--	--	--
	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	--	--	--
	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	NS
	10/29/07	NC	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2/1/08	430.61	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<2.0	<0.5	<0.5	1.3	<50	<500	<0.5	<0.5	--
	4/18/08	436.51	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	7/28/08	NC	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	11/18/08	464.64	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2/4/09	NC	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	4/21/09	NC	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	9/24/09	NC	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	3/4/10	435.87	<50	--	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--	--	--	--	--
	7/20/10	440.07	<50	--	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--	--	--	--	--
	1/19/11	440.12	<50	--	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--	--	--	--	--
	4/7/11	436.16	<50	--	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--	--	--	--	--
	9/19/11	440.02	<50	--	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--	--	--	--	--
	11/7/11	440.14	<50	--	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--	--	--	--	--
	2/1/12	NC	NS	NS	not sampled - well dry				NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	6/12/12	436.25	<50	--	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<2.0	<0.5	<0.5	<0.5	--	--	--	--	--
	8/29/12	433.54	<50	--	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<2.0	<0.5	<0.5	<0.5	--	--	--	--	--
	3/13/13	441.26	<50	--	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--	--	--	--	--
	6/25/13	438.49	<50	--	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--	--	--	--	--
	7/22/13	NC	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	8/24/13	431.34	<50	--	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--	--	--	--	--
	12/5/13	**435.82**	**<50**	**--**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<5.0**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**

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

Well ID	Date Collected	Groundwater Elevation (feet above MSL)	Total Petroleum Hydrocarbons (µg/L)		Aromatic Volatile Organic Compounds (µg/L)					Oxygenated Volatile Organics (µg/L)							Lead Scavengers (µg/L)		Hexavalent Chromium (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	--	--	--	--	--
	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	--	--	--
	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	--	--	--	--	--
	10/29/07	416.69	<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	--
	2/1/08	431.34	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<2.0	<0.5	<0.5	1.9	<50	<500	<0.5	<0.5	--
	4/18/08	435.82	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<2.0	<0.5	<0.5	1.5	<50	<500	<0.5	<0.5	--
	7/29/08	419.83	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<2.0	<0.5	<0.5	<0.5	<50	<500	<0.5	<0.5	--
	11/18/08	412.94	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<2.0	<0.5	<0.5	1.2	<50	<500	<0.5	<0.5	--
	2/4/09	416.96	<50	--	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--	--	--	--	--
	4/22/09	427.59	<50	--	<0.5	<0.5	<0.5	<0.5	48	--	--	--	--	--	--	--	--	--	--
	9/24/09	424.86	<50	--	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<2.0	<0.5	<0.5	1.3	<50	<500	<0.5	<0.5	--
	3/4/10	435.62	<50	--	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--	--	--	--	--
	7/19/10	439.19	<50	--	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--	--	--	--	--
	1/19/11	440.07	<50	--	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--	--	--	--	--
	4/6/11	444.66	<50	--	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--	--	--	--	--
	9/19/11	440.09	<50	--	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--	--	--	--	--
	11/7/11	440.19	<50	--	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--	--	--	--	--
	2/1/12	430.63	<50	--	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--	--	--	--	--
	6/12/12	435.94	<50	--	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<2.0	<0.5	<0.5	<0.5	--	--	--	--	--
	8/29/12	433.37	<50	--	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<2.0	<0.5	<0.5	<0.5	--	--	--	--	--
	3/13/13	441.17	<50	--	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--	--	--	--	--
	6/25/13	438.38	<50	--	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--	--	--	--	--
	7/22/13	NC	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	8/26/13	445.48	<50	--	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--	--	--	--	--
	12/5/13	**440.82**	**<50**	**--**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<5.0**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**

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

Well ID	Date Collected	Groundwater Elevation (feet above MSL)	Total Petroleum Hydrocarbons (µg/L)		Aromatic Volatile Organic Compounds (µg/L)					Oxygenated Volatile Organics (µg/L)							Lead Scavengers (µg/L)		Hexavalent Chromium (µg/L)
			Gasoline	Diesel	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE (8021B)	TAME	TBA	DIPE	ETBE	MTBE	Ethanol	Methanol	EDB	1,2-DCA	
MW-6	11/14/01	430.25	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--	--	--	--	--
	5/7/02	437.12	<50	<67	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--	--	--	--	--
	9/11/02	437.10	<50	--	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--	--	--	--	--
	12/1/02	435.36	<50	<50	<0.5	<0.5	<0.5	<0.5	<1.0	--	--	--	--	--	--	--	--	--	--
	3/14/03	440.67	<50	<50	<0.5	<0.5	<0.5	<1.0	<1.0	--	--	--	--	--	--	--	--	--	--
	6/25/03	441.05	<50	<50	<0.5	<0.5	<0.5	<1.0	<1.0	--	--	--	--	--	--	--	--	--	--
	9/16/03	438.36	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--	--	--	--	--
	12/22/03	441.54	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--	--	--	--	--
	3/10/04	445.48	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--	--	--	--	--
	6/15/04	440.82	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--	--	--	--	--
	9/17/04	437.57	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--	--	--	--	--
	12/10/04	441.04	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--	--	--	--	--
	3/2/05	446.09	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--	--	--	--	--
	5/27/05	444.56	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--	--	--	--	--
	7/21/05	442.53	<50	--	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--	--	--	--	--
	10/10/05	441.92	<50	--	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--	--	--	--	--
	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	--	--	--	--	--
	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	--	--	--
	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	NS
	10/29/07	NC	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2/1/08	431.08	<50	<50	<0.5	<0.5	<0.5	0.91	<5.0	<0.5	<2.0	<0.5	<0.5	<0.5	<50	<500	<0.5	<0.5	--
	4/18/08	435.93	<50	<50	<0.5	<0.5	<0.5	0.91	<5.0	<0.5	<2.0	<0.5	<0.5	<0.5	<50	<500	<0.5	<0.5	--
	7/28/08	NC	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	11/18/08	NC	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2/4/09	NC	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	4/22/09	425.42	<50	--	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--	--	--	--	--
	9/24/09	425.87	<50	--	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<2.0	<0.5	<0.5	<0.5	<50	<500	<0.5	<0.5	--
	3/4/10	438.11	<50	--	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--	--	--	--	--
	7/19/20	439.48	<50	--	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--	--	--	--	--
	1/19/11	440.13	<50	--	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--	--	--	--	--
	4/6/11	442.37	<50	--	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--	--	--	--	--
	9/19/11	440.37	<50	--	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--	--	--	--	--
	11/7/11	441.13	<50	--	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--	--	--	--	--
	2/1/12	430.70	<50	--	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--	--	--	--	--
	6/12/12	436.51	<50	--	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<2.0	<0.5	<0.5	<0.5	--	--	--	--	--
	8/29/12	433.96	<50	--	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<2.0	<0.5	<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 Hydrocarbons (µg/L)		Aromatic Volatile Organic Compounds (µg/L)					Oxygenated Volatile Organics (µg/L)							Lead Scavengers (µg/L)		Hexavalent Chromium (µg/L)
			Gasoline	Diesel	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE (8021B)	TAME	TBA	DIPE	ETBE	MTBE	Ethanol	Methanol	EDB	1,2-DCA	
MW-6	3/13/13	441.41	<50	--	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--	--	--	--	--
cont.	6/25/13	438.83	<50	--	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--	--	--	--	--
	7/22/13	NC	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	8/26/13	438.27	<50	--	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--	--	--	--	--
	12/6/13	**439.92**	**<50**	**--**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<5.0**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**
MW-7A	3/13/06	445.85	6,200	1,800	140	21	200	560	6,900	<100	4,400	<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	--	--	--	--	--
	10/12/06	440.82	6,500	2,400	83	38	300	160	980	<17	4,700	<10	<17	1200	<1,700	<17,000	--	--	--
***	11/21/06	NC	1,400	--	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	<5,000	<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	NS
	10/29/07	NC	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2/1/08	NC	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	4/18/08	437.16	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	7/28/08	NC	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	11/18/08	NC	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2/4/09	NC	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	4/21/09	NC	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	9/24/09	NC	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	3/4/10	439.02	83	--	<0.5	0.81	<0.5	<0.5	<5.0	--	--	--	--	--	--	--	--	--	--
	7/19/10	440.54	680	--	<0.5	10	4.9	4.5	<5.0	--	--	--	--	--	--	--	--	--	--
	1/20/11	441.72	580	310	<0.5	7.3	7.2	1.5	<5.0	<2.5	490	<2.5	<2.5	5.8	--	--	<2.5	<2.5	--
	4/11/11	445.97	140	<50	<0.5	1.7	<0.5	<0.5	<5.0	<2.5	540	<2.5	<2.5	5.8	--	--	<2.5	<2.5	<0.2
	4/18/11	445.73	91	90	<0.5	0.94	<0.5	<0.5	8.5	400	400	<2.5	<2.5	5.8	--	--	<2.5	<2.5	<0.2
	5/9/11	444.17	<50	69	<0.5	<0.5	<0.5	<0.5	<5.0	<1.7	350	<1.7	<1.7	5.9	--	--	<1.7	<1.7	<0.2
	6/1/11	444.31	58	77	<0.5	0.76	0.79	0.97	5.2	<1.7	250	<1.7	<1.7	5.5	--	--	<1.7	<1.7	<0.2
	6/15/11	443.87	<50	80	<0.5	<0.5	<0.5	<0.5	<5.0	<1.0	190	<1.0	<1.0	3.8	--	--	<1.0	<1.0	<0.2
	6/30/11	443.45	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	81	<0.5	<0.5	2.5	--	--	<0.5	<0.5	<0.2
	9/19/11	441.36	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	4.4	<0.5	<0.5	<0.5	--	--	<0.5	<0.5	--
	11/7/11	441.87	<50	<50	<0.5	0.64	<0.5	<0.5	<5.0	<0.5	3.3	<0.5	<0.5	0.67	--	--	<0.5	<0.5	--
	2/1/12	NC	NS	NS	not sampled - well dry				NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	6/13/12	437.39	390	1,200	<0.5	9.9	<0.5	<0.5	<5.0	<0.5	4.6	<0.5	<0.5	<0.5	--	--	<0.5	<0.5	--
	8/29/12	NC	NS	NS	not sampled - well dry				NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	3/14/13	442.46	79	130	<0.5	1.3	<0.5	<0.5	<5.0	<0.5	130	<0.5	<0.5	0.97	--	--	<0.5	<0.5	--
	6/25/13	440.23	200	72	<0.5	7.2	<0.5	<0.5	0.66	<0.5	25	<0.5	<0.5	0.97	--	--	<0.5	<0.5	<0.2
	7/22/13	NC	<50	<50	<0.5	0.96	<0.5	<0.5	<5.0	<0.5	7.9	<0.5	<0.5	<0.5	--	--	<0.5	<0.5	<0.2
	8/26/13	440.32	270	100	<0.5	5.5	3.8	<0.5	<5.0	<0.5	32	<0.5	<0.5	1.1	--	--	<0.5	<0.5	<0.2
	12/6/13	**441.06**	**<50**	**68**	**<0.5**	**1.4**	**<0.5**	**<0.5**	**<5.0**	**<0.5**	**160**	**<0.5**	**<0.5**	**0.66**	**--**	**--**	**<0.5**	**<0.5**	**<0.2**

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

Well ID	Date Collected	Groundwater Elevation (feet above MSL)	Total Petroleum Hydrocarbons (µg/L)		Aromatic Volatile Organic Compounds (µg/L)					Oxygenated Volatile Organics (µg/L)							Lead Scavengers (µg/L)		Hexavalent Chromium (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	7,300	<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	--	--	--	--	--
	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	--	--	--
***	11/21/06	NC	61	--	<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	<5,000	<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	<5,000	<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	--	--	--	--	--
	10/29/07	NC	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2/1/08	431.55	420	<50	0.77	17	<0.5	0.97	45	<25	4,000	<25	<25	49	<2,500	<25,000	<25	<25	--
	4/18/08	436.87	650	100	3.4	15	8.3	<0.5	150	<25	3,800	<25	<25	140	<2,500	<25,000	<25	<25	--
	7/28/08	420.47	<50	<50	<0.5	0.56	<0.5	<0.5	17	<5.0	760	<5.0	<5.0	22	<500	<5,000	<5.0	<5.0	--
	11/18/08	NC	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2/4/09	418.74	620	--	<0.5	23	<0.5	2.7	<5.0	--	--	--	--	--	--	--	--	--	--
	4/21/09	428.56	170	--	2.1	5.8	<0.5	0.78	190	--	--	--	--	--	--	--	--	--	--
	9/24/09	426.13	<50	--	<0.5	1.8	<0.5	<0.5	210	<5.0	470	<5.0	<5.0	220	<500	<5,000	<5.0	<5.0	--
	3/4/10	436.76	140	--	<0.5	2.1	<0.5	<0.5	25	--	--	--	--	--	--	--	--	--	--
	7/19/10	440.34	74	--	<0.5	1.3	<0.5	<0.5	<5.0	--	--	--	--	--	--	--	--	--	--
	1/20/11	441.24	190	69	<0.5	4.1	<0.5	<0.5	<5.0	<25.0	4,400	<25.0	<25.0	<25.0	--	--	<25.0	<25.0	--
	4/11/11	443.61	110	<50	<0.5	2.7	<0.5	<0.5	<5.0	<17	2,900	<17	<17	<17	--	--	<17	<17	<0.2
	4/18/11	445.64	160	<50	<0.5	4.3	<0.5	0.6	<5.0	<17	3,300	<17	<17	<17	--	--	<17	<17	<0.2
	5/9/11	444.99	79	<50	<0.5	2.0	<0.5	<0.5	<5.0	<17	3,000	<17	<17	<17	--	--	<17	<17	<0.2
	6/1/11	444.14	72	<50	<0.5	1.9	<0.5	<0.5	<5.0	<50	3,100	<50	<50	<50	--	--	<50	<50	<0.2
	6/15/11	443.94	100	<50	<0.5	2.2	<0.5	<0.5	<5.0	<50	2,700	<50	<50	<50	--	--	<50	<50	<0.2
	6/30/11	443.74	100	<50	<0.5	2.4	<0.5	<0.5	<5.0	<25	2,900	<25	<25	<25	--	--	<25	<25	<0.2
	9/19/11	441.29	<50	56	<0.5	1.1	<0.5	<0.5	<5.0	<17	3,300	<17	<17	<17	--	--	<17	<17	--
	11/8/11	465.39	98	<50	<0.5	2.6	<0.5	<0.5	<5.0	<12	1,600	<12	<12	<12	--	--	<12	<12	--
	2/2/12	431.48	74	<50	<0.5	1.8	<0.5	<0.5	<5.0	<12	1,800	<12	<12	<12	--	--	<12	<12	--
	6/13/12	437.25	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0	<12	2,400	<12	<12	<12	--	--	<12	<12	--
	8/29/12	434.72	<50	<50	<0.5	0.73	<0.5	<0.5	<5.0	<12	2,000	<12	<12	<12	--	--	<12	<12	<0.2
	3/14/13	442.34	<50	<50	<0.5	1.60	<0.5	<0.5	<5.0	<17	1,700	<17	<17	<17	--	--	<17	<17	--
	6/25/13	439.69	<50	<50	<0.5	1.3	<0.5	<0.5	<5.0	<17	2,200	<17	<17	<17	--	--	<17	<17	<0.2
	7/22/13	NC	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0	<5.0	740	<5.0	<5.0	<5.0	--	--	<5.0	<5.0	<0.2
	8/26/13	439.13	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0	<10	1,700	<10	<10	<10	--	--	<10	<10	<0.2
	12/6/13	440.88	**<50**	**<50**	**<0.5**	**1.1**	**<0.5**	**<0.5**	**<5.0**	**<12**	**1,700**	**<12**	**<12**	**<12**	**--**	**--**	**<12**	**<12**	**<0.2**

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

Well ID	Date Collected	Groundwater Elevation (feet above MSL)	Total Petroleum Hydrocarbons (µg/L)		Aromatic Volatile Organic Compounds (µg/L)					Oxygenated Volatile Organics (µg/L)							Lead Scavengers (µg/L)		Hexavalent Chromium (µg/L)
			Gasoline	Diesel	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE (8021B)	TAME	TBA	DIPE	ETBE	MTBE	Ethanol	Methanol	EDB	1,2-DCA	
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	--	--	--	--	--
	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	--	--	--
***	11/21/06	NC	<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	--
	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	--	--	--	--	--
	10/29/07	417.14	<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	--
	2/1/08	431.39	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<2.0	<0.5	<0.5	<0.5	<50	<500	<0.5	<0.5	--
	4/18/08	436.64	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<2.0	<0.5	<0.5	<0.5	<50	<500	<0.5	<0.5	--
	7/28/08	420.39	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<2.0	<0.5	<0.5	<0.5	<50	<500	<0.5	<0.5	--
	11/18/08	415.77	97	<50	<0.5	<0.5	<0.5	<0.5	<90	<1.0	<4.0	<1.0	<1.0	<1.0	<100	<1,000	<1.0	<1.0	--
	2/4/09	417.50	<50	--	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--	--	--	--	--
	4/22/09	428.41	<50	--	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--	--	--	--	--
	9/24/09	425.90	<50	--	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<2.0	<0.5	<0.5	<0.5	<50	<500	<0.5	<0.5	--
	3/4/10	438.73	<50	--	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--	--	--	--	--
	7/19/10	440.01	<50	--	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--	--	--	--	--
	1/20/11	440.89	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--	--	--	--	--
	4/7/11	445.51	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--	--	--	--	--
	9/20/11	441.89	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<2.0	<0.5	<0.5	<0.5	--	--	<0.5	<0.5	--
	11/8/11	440.99	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<2.0	<0.5	<0.5	<0.5	--	--	<0.5	<0.5	--
	2/2/12	431.25	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<2.0	<0.5	<0.5	<0.5	--	--	<0.5	<0.5	--
	6/13/12	436.85	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<2.0	<0.5	<0.5	<0.5	--	--	<0.5	<0.5	--
	8/30/12	434.32	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<2.0	<0.5	<0.5	<0.5	--	--	--	--	--
	3/14/13	442.05	<50	--	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--	--	--	--	--
	6/25/13	439.39	<50	--	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--	--	--	--	--
	7/22/13	NC	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	8/24/13	438.75	<50	--	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--	--	--	--	--
	12/6/13	**440.48**	**<50**	**--**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<5.0**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**
MW-8A	7/28/08	NC	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	11/18/08	NC	67	<50	<0.5	2.6	<0.5	1.6	<5.0	<0.5	<2.0	<0.5	<0.5	4.9	<50	<500	<0.5	<0.5	--
	2/4/09	NC	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	4/21/09	NC	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	9/24/09	NC	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	3/4/10	NC	<50	--	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--	--	--	--	--
	7/20/10	NC	<50	--	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--	--	--	--	--
	1/20/11	NC	<50	--	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--	--	--	--	--
	4/7/11	NC	<50	--	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--	--	--	--	--
	9/19/11	NC	<50	--	<0.5	<0.5	<0.5	<0.5	5.3	--	--	--	--	--	--	--	--	--	--
	11/7/11	NC	<50	--	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--	--	--	--	--
	2/2/12	NC	<50	--	<0.5	<0.5	<0.5	<0.5	9.7	--	--	--	--	--	--	--	--	--	--
	6/12/12	NC	<50	--	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<2.0	<0.5	<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 Hydrocarbons (µg/L)		Aromatic Volatile Organic Compounds (µg/L)					Oxygenated Volatile Organics (µg/L)							Lead Scavengers (µg/L)		Hexavalent Chromium (µg/L)
			Gasoline	Diesel	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE (8021B)	TAME	TBA	DIPE	ETBE	MTBE	Ethanol	Methanol	EDB	1,2-DCA	
MW-8A cont.	8/29/12	NC	<50	--	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<2.0	<0.5	<0.5	3.0	--	--	--	--	--
	3/14/13	NC	<50	--	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--	--	--	--	--
	6/25/13	NC	<50	--	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--	--	--	--	--
	7/22/13	NC	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	8/26/13	NC	<50	--	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--	--	--	--	--
	12/5/13	**NC**	**<50**	**--**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<5.0**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**
MW-8B	7/28/08	NC	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<2.0	<0.5	<0.5	2.5	<50	<500	<0.5	<0.5	--
	11/18/08	NC	<50	120	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<2.0	<0.5	<0.5	5.1	<50	<500	<0.5	<0.5	--
	2/4/09	NC	<50	--	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--	--	--	--	--
	4/22/09	NC	50	--	<0.5	<0.5	<0.5	<0.5	1300	--	--	--	--	--	--	--	--	--	--
	9/24/09	NC	<50	--	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<2.0	<0.5	<0.5	<0.5	<50	<500	<0.5	<0.5	--
	3/4/10	NC	<50	--	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--	--	--	--	--
	7/20/10	NC	<50	--	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--	--	--	--	--
	1/20/11	NC	<50	--	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--	--	--	--	--
	4/7/11	NC	<50	--	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--	--	--	--	--
	9/19/11	NC	<50	--	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--	--	--	--	--
	11/7/11	NC	<50	--	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--	--	--	--	--
	2/2/12	NC	<50	--	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--	--	--	--	--
	6/13/12	NC	<50	--	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<2.0	<0.5	<0.5	<0.5	--	--	--	--	--
	8/30/12	NC	<50	--	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<2.0	<0.5	<0.5	<0.5	--	--	--	--	--
	3/14/13	NC	<50	--	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--	--	--	--	--
	6/25/13	NC	<50	--	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--	--	--	--	--
	7/22/13	NC	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	8/26/13	NC	<50	--	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--	--	--	--	--
	12/5/13	**NC**	**<50**	**--**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<5.0**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**
MW-9A	7/28/08	NC	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	11/18/08	NC	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2/4/09	NC	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	4/21/09	NC	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	9/24/09	NC	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	3/4/10	NC	<50	--	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--	--	--	--	--
	7/20/10	NC	<50	--	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--	--	--	--	--
	1/20/11	NC	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	74	<0.5	<0.5	1.1	<50	<500	<0.5	<0.5	--
	4/7/11	NC	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	65	<0.5	<0.5	0.74	--	--	<0.5	<0.5	--
	9/19/11	NC	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	120	<0.5	<0.5	1.6	--	--	<0.5	<0.5	--
	11/7/11	NC	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	2.9	<0.5	<0.5	<0.5	--	--	<0.5	<0.5	--
	2/1/12	NC	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0	<1.0	200	<1.0	<1.0	1.2	--	--	<1.0	<1.0	--
	6/12/12	NC	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<2.0	<0.5	<0.5	<0.5	--	--	<0.5	<0.5	--
	8/30/12	NC	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<2.0	<0.5	<0.5	<0.5	--	--	<0.5	<0.5	--
	3/13/13	NC	<50	--	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--	--	--	--	--
	6/25/13	NC	<50	--	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--	--	--	--	--
	7/22/13	NC	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	8/26/13	NC	<50	--	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--	--	--	--	--
	12/6/13	**NC**	**<50**	**--**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<5.0**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**

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

Well ID	Date Collected	Groundwater Elevation (feet above MSL)	Total Petroleum Hydrocarbons (µg/L)		Aromatic Volatile Organic Compounds (µg/L)					Oxygenated Volatile Organics (µg/L)							Lead Scavengers (µg/L)		Hexavalent Chromium (µg/L)
			Gasoline	Diesel	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE (8021B)	TAME	TBA	DIPE	ETBE	MTBE	Ethanol	Methanol	EDB	1,2-DCA	
MW-9B	7/29/08	NC	<50	63	<0.5	<0.5	<0.5	<0.5	100	<10	2,800	<10	<10	160	<1,000	<10,000	<10	<10	--
	11/18/08	NC	<50	1,000	<0.5	<0.5	<0.5	<0.5	7.0	<0.5	4.6	<0.5	<0.5	7.5	<50	<500	<0.5	<0.5	--
	2/4/09	NC	<50	--	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--	--	--	--	--
	4/22/09	NC	<50	--	<0.5	<0.5	<0.5	<0.5	470	--	--	--	--	--	--	--	--	--	--
	9/24/09	NC	<50	--	<0.5	<0.5	<0.5	<0.5	5.4	<0.5	<2.0	<0.5	<0.5	7.2	<50	<500	<0.5	<0.5	--
	3/4/10	NC	<50	--	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--	--	--	--	--
	7/20/10	NC	<50	--	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--	--	--	--	--
	1/20/11	NC	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	8.9	<0.5	<0.5	0.65	<50	<500	<0.5	<0.5	--
	4/7/11	NC	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	22	<0.5	<0.5	1.2	--	--	<0.5	<0.5	--
	9/19/11	NC	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<2.0	<0.5	<0.5	1.2	--	--	<0.5	<0.5	--
	11/7/11	NC	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<2.0	<0.5	<0.5	1.7	--	--	<0.5	<0.5	--
	2/1/12	NC	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	89	<0.5	<0.5	3.3	--	--	<0.5	<0.5	--
	6/12/12	NC	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<2.0	<0.5	<0.5	1.6	--	--	<0.5	<0.5	--
	8/30/12	NC	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<2.0	<0.5	<0.5	0.55	--	--	<0.5	<0.5	--
	3/13/13	NC	<50	--	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--	--	--	--	--
	6/25/13	NC	<50	--	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--	--	--	--	--
	7/22/13	NC	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	8/26/13	NC	<50	--	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--	--	--	--	--
	12/6/13	**NC**	**<50**	**--**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**<5.0**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**
EX-1**	11/14/01	431.89	13,000	2,000	180	1,000	330	3,200	2,200	--	--	--	--	--	--	--	--	--	--
	5/7/02	437.72	7,700	560	320	<25	66	150	6,200	--	--	--	--	--	--	--	--	--	--
	9/11/02	NC	2,800	--	32	<13	14	<13	2,500	--	--	--	--	--	--	--	--	--	--
	12/1/02	437.32	3,000	100	81	<0.5	44	<1.0	4,800	--	--	--	--	--	--	--	--	--	--
	3/14/03	442.28	750	50	<0.5	<0.5	7.7	13	1,200	--	--	--	--	--	--	--	--	--	--
	6/25/03	442.89	120	<50	3.2	3.7	4.2	7.6	260	--	--	--	--	--	--	--	--	--	--
	9/16/03	440.65	170	<50	0.5	1.5	<0.5	0.9	1,600	--	--	--	--	--	--	--	--	--	--
	3/10/04	447.31	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	6/15/04	442.82	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	9/17/04	439.39	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	12/10/04	NC	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	3/2/05	NC	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	5/27/05	446.62	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	7/21/05	443.75	<50	--	<0.5	<0.5	<0.5	<0.5	610	--	--	--	--	--	--	--	--	--	--
	10/10/05	442.57	<50	--	<0.5	<0.5	<0.5	<0.5	31	--	--	--	--	--	--	--	--	--	--
	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 Hydrocarbons (µg/L)		Aromatic Volatile Organic Compounds (µg/L)					Oxygenated Volatile Organics (µg/L)							Lead Scavengers (µg/L)		Hexavalent Chromium (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	4.10	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	--	--	--	--	--
	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	--	--	--
	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	NS
	7/16/07	NC	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	10/29/07	NC	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2/1/08	NC	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	4/18/08	437.62	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	7/28/08	NC	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	11/18/08	NC	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2/4/09	NC	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	4/21/09	NC	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	9/24/09	NC	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	3/4/10	NC	4,400	--	460	<25	380	<25	31,000	--	--	--	--	--	--	--	--	--	--
	7/20/10	441.10	400	--	4.4	6.6	1.8	4.4	590	--	--	--	--	--	--	--	--	--	--
	1/20/11	441.87	570	190	21	6.4	14	57	3,500	<50	15,000	<50	<50	3,300	--	--	<50	<50	--
	4/8/11	446.60	410	220	11	4.2	3.1	43	2,400	<50	8,200	<50	<50	3,300	--	--	<50	<50	<0.2
	4/18/11	445.75	200	130	<0.5	1.7	1.1	3.0	4,400	<50	14,000	<50	<50	3,600	--	--	<50	<50	6.1
	5/9/11	445.76	62	<50	1.2	1.4	<0.5	<0.5	520	<25	4,800	<25	<25	390	--	--	<25	<25	<50
	6/2/11	444.93	83	<50	1.3	2.1	<0.5	0.6	180	<100	9,600	<100	<100	240	--	--	<100	<100	<0.2
	6/15/11	444.34	60	<50	<0.5	1.8	<0.5	<0.5	97	<100	6,300	<100	<100	100	--	--	<100	<100	<0.2
	6/30/11	444.04	74	<50	<0.5	2.0	<0.5	<0.5	200	<50	5,700	<50	<50	200	--	--	<50	<50	--
	9/20/11	443.10	63	52	<0.5	2.1	<0.5	<0.5	210	<50	11,000	<50	<50	190	--	--	<50	<50	--
	11/8/11	442.10	78	<50	<0.5	1.8	<0.5	<0.5	76	<50	7,600	<50	<50	97	--	--	<50	<50	--
	2/2/12	432.07	59	57	<0.5	1.1	<0.5	<0.5	270	<500	50,000	<500	<500	<500	--	--	<500	<500	--
	6/13/12	438.07	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0	<50	13,000	<50	<50	<50	--	--	<50	<50	--
	8/29/12	435.55	<50	<50	<0.5	0.62	<0.5	<0.5	<5.0	<50	8,100	<50	<50	<50	--	--	<50	<50	<0.2
	3/14/13	443.07	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0	<25	2,500	<25	<25	<25	--	--	<25	<25	<0.2
	6/25/13	440.50	<50	160	<0.5	<0.5	<0.5	<0.5	25	<50	4,400	<50	<50	<50	--	--	<50	<50	19
	7/22/13	NC	<50	55	<0.5	<0.5	<0.5	<0.5	33	<5.0	530	<5.0	<5.0	29	--	--	<5.0	<5.0	6.7
	8/24/13	439.93	<50	72	<0.5	<0.5	<0.5	<0.5	43	<50	4,500	<50	<50	35	--	--	<50	<50	1.6
	12/6/13	**441.70**	**<50**	**<50**	**<0.5**	**<0.5**	**<0.5**	**<0.5**	**17**	**<50**	**6,200**	**<50**	**<50**	**<50**	**--**	**--**	**<50**	**<50**	**<0.4**

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

Well ID	Date Collected	Groundwater Elevation (feet above MSL)	Total Petroleum Hydrocarbons (µg/L)		Aromatic Volatile Organic Compounds (µg/L)					Oxygenated Volatile Organics (µg/L)							Lead Scavengers (µg/L)		Hexavalent Chromium (µg/L)
			Gasoline	Diesel	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE (8021B)	TAME	TBA	DIPE	ETBE	MTBE	Ethanol	Methanol	EDB	1,2-DCA	
EW-2	3/13/06	446.81	<250	69	<2.5	<2.5	<2.5	<2.5	5,400	<100	<1,000	<100	<100	5,100	<10,000	<100,000	<100	<100	--
	4/7/06	449.79	470	160	15	2.5	24	13	2,000	<50	<500	<50	<50	1,800	<5,000	<50,000	<50	<50	--
	7/27/06	442.89	260	350	2.2	1.7	6.1	3.0	8,700	<500	<5,000	<500	<500	12,000	--	--	--	--	--
	10/12/06	444.51	110	<50	2.0	1.0	3.1	3.9	620	<12	<120	<12	<12	680	<1,200	<12,000	--	--	--
	1/4/07	444.33	<500	<50	5.3	<5.0	16	7.1	4,500	<50	<500	<50	<50	4,200	<5,000	<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	NS
	7/16/07	NC	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	10/29/07	NC	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2/1/08	NC	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	4/18/08	437.95	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	7/28/08	NC	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	11/18/08	NC	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2/4/09	NC	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	4/21/09	NC	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	9/24/09	NC	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	3/4/10	NC	<50	--	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--	--	--	--	--
	7/20/10	441.54	<50	--	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--	--	--	--	--
	1/21/11	442.27	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	2.8	<0.5	<0.5	2.1	--	--	<0.5	<0.5	--
	4/11/11	446.99	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	2.1	<0.5	<0.5	0.65	--	--	<0.5	<0.5	0.65
	4/18/11	446.80	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<2.0	<0.5	<0.5	0.7	--	--	<0.5	<0.5	0.51
	5/9/11	446.32	<50	<50	<0.5	<0.5	<0.5	<0.5	15	<0.5	2.8	<0.5	<0.5	12	--	--	<0.5	<0.5	0.7
	6/2/11	445.28	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	12	<0.5	<0.5	6.2	--	--	<0.5	<0.5	14
	6/15/11	444.99	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<2.0	<0.5	<0.5	2.3	--	--	<0.5	<0.5	5.4
	6/30/11	444.68	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<2.0	<0.5	<0.5	2.4	--	--	<0.5	<0.5	2.3
	9/20/11	441.44	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<2.0	<0.5	<0.5	1.3	--	--	<0.5	<0.5	--
	11/8/11	442.39	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0	<0.5	<2.0	<0.5	<0.5	1.0	--	--	<0.5	<0.5	--
	2/2/12	432.33	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0	<5.0	490	<5.0	<5.0	<5.0	--	--	<5.0	<5.0	--
	6/13/12	438.35	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0	<5.0	<2.0	<5.0	<5.0	0.89	--	--	<5.0	<5.0	--
	8/28/12	NC	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	3/14/13	443.41	<50	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--	--	--	--	--
	6/25/13	439.85	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	7/22/13	NC	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	8/24/13	NC	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	12/5/13	**NC**	**NS**	**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 Hydrocarbons (µg/L)		Aromatic Volatile Organic Compounds (µg/L)					Oxygenated Volatile Organics (µg/L)							Lead Scavengers (µg/L)		Hexavalent Chromium (µg/L)
			Gasoline	Diesel	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE (8021B)	TAME	TBA	DIPE	ETBE	MTBE	Ethanol	Methanol	EDB	1,2-DCA	
EW-3 [a]	11/18/08	NC	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	2/4/09	NC	<10,000	--	<100	<100	<100	<100	420,000	--	--	--	--	--	--	--	--	--	--
	4/21/09	NC	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	9/24/09	NC	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	3/4/10	NC	140,000	--	240	900	320	28,000	340,000	--	--	--	--	--	--	--	--	--	--
	7/20/10	NC	23,000	--	240	940	760	3,100	150,000	--	--	--	--	--	--	--	--	--	--
	1/21/11	NC	15,000	5,200	230	93	1,100	1,900	150,000	<2,500	72,000	<2,500	<2,500	150,000	--	--	<2,500	<2,500	--
	4/11/11	NC	8,400	590	110	37	690	820	68,000	<2,500	67,000	<2,500	<2,500	79,000	--	--	<2,500	<2,500	<0.2
	4/18/11	NC	7,300	1,300	81	100	350	870	85,000	<1,700	50,000	<1,700	<1,700	72,000	--	--	<1,700	<1,700	0.35
	5/9/11	NC	5,400	2,200	56	<50	160	350	79,000	<1,000	40,000	<1,000	<1,000	62,000	--	--	<1,000	<1,000	7.0
	6/1/11	NC	4,800	3,700	53	<25	170	300	50,000	<1,000	43,000	<1,000	<1,000	76,000	--	--	<1,000	<1,000	160
	6/15/11	NC	8,200	2,200	66	<50	270	360	93,000	<2,500	47,000	<2,500	<2,500	85,000	--	--	<2,500	<2,500	180
	6/30/11	NC	8,000	1,900	64	<50	260	260	100,000	<2,500	51,000	<2,500	<2,500	100,000	--	--	<2,500	<2,500	110
	9/20/11	NC	<5,000"	1,700	<50"	64	74	100	80,000	<2,500	91,000	<2,500	<2,500	78,000	--	--	<2,500	<2,500	--
	11/8/11	NC	<6,000"	860	<50"	<50	60	130	82,000	<2,500	49,000	<2,500	<2,500	67,000	--	--	<2,500	<2,500	--
	2/2/12	NC	1,600	510	<5.0"	13	10	35	24,000	<500	62,000	<500	<500	26,000	--	--	<500	<500	--
	6/13/12	NC	490	870	<0.5	2.3	3.0	7.9	8,600	<250	66,000	<250	<250	9,300	--	--	<250	<250	--
	8/30/12	NC	430	580	<1.7	<1.7	5.7	20	3,900	<500	82,000	<500	<500	3,900	--	--	<500	<500	--
	3/14/13	NC	<1000	500	<10	<10	<10	<10	6,300	<500	130,000	<500	<500	6,200	--	--	<500	<500	<0.2
	6/25/13	NC	140	1,600	<0.5	0.8	2.6	4.4	<10	<1.0	130	<1.0	<1.0	9.0	--	--	<1.0	<1.0	44
	7/22/13	NC	410	480	1.0	0.68	<0.5	14	1,500	<50	7,100	<50	<50	1,400	--	--	<50	<50	24
	8/24/13	NC	510	370	2.0	1.1	1.6	15	4,100	<100	16,000	<100	<100	4,300	--	--	<100	<100	18
	12/6/13	**NC**	**760**	**460**	**<5.0**	**<5.0**	**<5.0**	**13**	**5,100**	**<120**	**25,000**	**<120**	**<120**	**5,900**	**--**	**--**	**<120**	**<120**	**<1.0**
EW-3B [b]	3/14/13	NC	58	110	<0.5	0.64	<0.5	<0.5	13	<50	14,000	<50	<50	<50	--	--	<50	<50	<0.2
	6/25/13	NC	120	180	<0.5	1.1	<0.5	<0.5	<30	<250	27,000	<250	<250	<250	--	--	<250	<250	21
	7/22/13	NC	80	140	0.59	0.54	0.88	1.0	24	<100	15,000	<100	<100	<100	--	--	<100	<100	25
	8/24/13	NC	84	110	0.87	0.69	0.66	1.8	22	<100	16,000	<100	<100	<100	--	--	<100	<100	19
	12/6/13	**NC**	**180**	**250**	**1.6**	**1.3**	**2.3**	**3.5**	**23**	**<250**	**38,000**	**<250**	**<250**	**<250**	**--**	**--**	**<250**	**<250**	**<4.0**

Notes:
Samples analyzed for TPHg and TPHd by EPA Method 8015Bm, BTEX by EPA Method 8021B, MTBE by EPA Method 8021B and/or 8260B, fuel oxygenates and lead scavengers by EPA Method 8260, and hexavalent chromium by EPA Method E200.8.

µg/L = micrograms per liter
NC = Not Calculated
NS = Not Sampled
-- = Not Analyzed
EDB = 1,2-Dibromoether
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

" = High concentrations of MTBE resulted in high reporting limits, both TPHg and benzene were estimated just below listed reporting limits by laboratory.
* = 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 on October 12, 2006. Therefore, MW-7A/B/C were resampled on November 21, 2006.
(a) = Well EW-3 is 35 feet deep with a screen interval from 25 to 30 feet bgs.
(b) = Well EW-3B is 39 feet deep with a screen interval from 24 to 39 feet bgs.

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

ALLTERRA

Groundwater Sampling Field Log

Site Address: **160 Holmes**
Project Number: **160**
Date: 12·6·13 / 12·5·13
Field Personnel: AP / JM

Monitoring Well Information

Monitoring Well ID: **MW-1A**
Depth to Water (ft): 23.31
Total Depth (ft): **28.50**
Depth to Product (ft):
Comments:
Monitoring Well Diameter (in): **2"**
Water Column (feet): 5.19
CC (.17) = 0.9
80% Recharge Depth (ft):
1 Well Volume (gallons): 0.9 = 2.7

Field Measurements and Observations

Time	Depth to Water	Purge Volume	Conductivity MS	Temperature	Dissolved Oxygen	Oxidation Reduction Potential	pH	Turbidity	Color	Odor
		0.9	4.15	18.8	NM	NM	7.48	None	clear	None
		1.5	4.25	18.1	↓	↓	7.57	↓	↓	
		2.7	4.25	18.7				Medium	Light Grey	

Total Purge Volume: 2.7
Comments:

Groundwater Sampling Information

Sample ID: **MW-1A**
Sample Time: 1:50 12/6/13
Sample Containers (#/Type): **(5) VOA HCL (1) 250 ml Poly NaB4,Na2CO3,KNCO3**
Comments:

Groundwater Sampling Field Log

Site Address: **160 Holmes**
Project Number: **160**
Date: 12·5·13 / 12·6·13
Field Personnel: AP / JM

Monitoring Well Information

Monitoring Well ID: **MW-1B**
Depth to Water (ft): 23.35
Total Depth (ft): **54.50**
Depth to Product (ft):
Comments:
Monitoring Well Diameter (in): **2"**
Water Column (feet): 31.15
CC (.17) = 5.3
80% Recharge Depth (ft):
1 Well Volume (gallons): 5.3 = 15.9

Field Measurements and Observations

Time	Depth to Water	Purge Volume	Conductivity	Temperature	Dissolved Oxygen	Oxidation Reduction Potential	pH	Turbidity	Color	Odor
		5.3	727	18.8	NM	NM	7.94	None	clear	None
		10.6	732	18.5	↓	↓	7.82	↓	↓	↓
		15.9	729	18.3			7.68			

Total Purge Volume: 15.9
Comments:

Groundwater Sampling Information

Sample ID: **MW-1B**
Sample Time: 2:00 PM 12·6·13
Sample Containers (#/Type): **(5) VOA HCL (1) 250 ml Poly NaB4,Na2CO3,KNCO3**
Comments:

ALLTERRA

Groundwater Sampling Field Log

Site Address: **160 Holmes** | Date: 12·6·13 / 12·5·13

Project Number: **160** | Field Personnel: AP

Monitoring Well Information

Monitoring Well ID: **MW-4A** | Monitoring Well Diameter (in): **2"** | CC

Depth to Water (ft): 23.75 | Water Column (feet): 5.05 | (.17) =

Total Depth (ft): **28.80** | 80% Recharge Depth (ft):

Depth to Product (ft): | 1 Well Volume (gallons):

Comments:

Field Measurements and Observations

Time	Depth to Water	Purge Volume	Conductivity	Temperature	pH	Turbidity	Color	Odor
						None	clear	None
						↓	↓	↓

Total Purge Volume: | Comments: NOT SAMPLED

Groundwater Sampling Information

Sample ID: **MW-4A** | Sample Time: 12·5·13 2:00PM

Sample Containers (#/Type): **(3) VOA HCL**

Comments: Not sampled

Groundwater Sampling Field Log

Site Address: **160 Holmes** | Date: 12·5·13 / 12·6·13

Project Number: **160** | Field Personnel: AP

Monitoring Well Information

Monitoring Well ID: **MW-5A** | Monitoring Well Diameter (in): **2"** | CC

Depth to Water (ft): 25.05 | Water Column (feet): 8.95 | (.17) = 1.5

Total Depth (ft): **34.00** | 80% Recharge Depth (ft):

Depth to Product (ft): | 1 Well Volume (gallons): 1.5 × 3 = 4.5

Comments:

Field Measurements and Observations

Time	Depth to Water	Purge Volume	Conductivity	Temperature	pH	Turbidity	Color	Odor
		1.5	1466	19.8	7.94	None	clear	None
		3.0	1621	19.8	8.04	↓	↓	↓
		4.5	1706	19.6	8.45			

Total Purge Volume: 4.5 | Comments:

Groundwater Sampling Information

Sample ID: **MW-5A** | Sample Time: 12·5·13 2:00PM

Sample Containers (#/Type): **(3) VOA HCL**

Comments:

ALLTERRA

Groundwater Sampling Field Log

Site Address: **160 Holmes** | Date: 12.5-13 / 12.6.13

Project Number: **160** | Field Personnel: AP / JM

Monitoring Well Information

Monitoring Well ID: **MW-5B** | Monitoring Well Diameter (in): **2"** | CC

Depth to Water (ft): 25.06 | Water Column (feet): 27.58 | (.17) = 4.7

Total Depth (ft): **52.64** | 80% Recharge Depth (ft):

Depth to Product (ft): | 1 Well Volume (gallons): 4.7 x 3 = 14.1

Comments:

Field Measurements and Observations

Time	Depth to Water	Purge Volume	Conductivity	Temperature	pH	Turbidity	Color	Odor
		4.7	860	20.2	8.33	None	clear	None
		9.4	792	19.5	8.02	↓	↓	↓
		14.1	797	19.2	7.73	↓	↓	↓

Total Purge Volume: | Comments:

Groundwater Sampling Information

Sample ID: **MW-5B** | Sample Time: ~~12:45 12/6/13~~

Sample Containers (#/Type): **(3) VOA HCL** | 12/5/13 1:30PM

Comments:

Groundwater Sampling Field Log

Site Address: **160 Holmes** | Date: 12.5.13 / 12.6.13

Project Number: **160** | Field Personnel: AP / JM

Monitoring Well Information

Monitoring Well ID: **MW-6** | Monitoring Well Diameter (in): **2"** | CC

Depth to Water (ft): 24.21 | Water Column (feet): 22.8 | (.17) = 3.9

Total Depth (ft): **47.00** | 80% Recharge Depth (ft):

Depth to Product (ft): | 1 Well Volume (gallons): 3.9 x 3 = ~~XXXX~~ 11.7

Comments:

Field Measurements and Observations

Time	Depth to Water	Purge Volume	Conductivity	Temperature	pH	Turbidity	Color	Odor
		3.9	819	18.3	7.84	low	light brn	none
		7.8	793	18.3	7.52	mod	↓	↓
		~~XXXX~~	765	18.2	7.66	mod	↓	↓
		11.7						

Total Purge Volume: | Comments:

Groundwater Sampling Information

Sample ID: **MW-6** | Sample Time: 11:45 12/6/13

Sample Containers (#/Type): **(3) VOA HCL**

Comments:

ALLTERRA

Groundwater Sampling Field Log

Site Address: **160 Holmes**
Project Number: **160**
Date: 12·5·13 / 12·6·13
Field Personnel: AP / JM

Monitoring Well Information

Monitoring Well ID: **MW-7A**
Depth to Water (ft): 24.26
Total Depth (ft): **29.00**
Depth to Product (ft):
Comments:

Monitoring Well Diameter (in): **2"** CC
Water Column (feet): 4.74 (.17) = 0.8
80% Recharge Depth (ft):
1 Well Volume (gallons): 0.8 x 3 = 2.4

Field Measurements and Observations

Time	Depth to Water	Purge Volume	Conductivity	Temperature	Dissolved Oxygen	Oxidation Reduction Potential	pH	Turbidity	Color	Odor
		0.8	1292	19.5	NM	NM	7.67	None	Clear	None
		1.6	1248	19.3	↓	↓	7.15	low	↓	↓
		2.4	1236	19.2			7.07	↓		

Total Purge Volume: 2.4
Comments:

Groundwater Sampling Information

Sample ID: **MW-7A**
Sample Time: 12·6·13 2:30PM
Sample Containers (#/Type):
Comments: **(5) VOA HCL (1) 250 ml Poly NaB4,Na2CO3,KNCO3**

Groundwater Sampling Field Log

Site Address: **160 Holmes**
Project Number: **160**
Date: 12·5·13 / 12·6·13
Field Personnel: AP / JM

Monitoring Well Information

Monitoring Well ID: **MW-7B**
Depth to Water (ft): 24.51
Total Depth (ft): **48.50**
Depth to Product (ft): —
Comments:

Monitoring Well Diameter (in): **2"** CC
Water Column (feet): 23.99 (.17) = 4
80% Recharge Depth (ft):
1 Well Volume (gallons): 4 x 3 = 12.0

Field Measurements and Observations

Time	Depth to Water	Purge Volume	Conductivity	Temperature	Dissolved Oxygen	Oxidation Reduction Potential	pH	Turbidity	Color	Odor
		4.0	1149	19.4			7.16	none	clear	none
		8.0	1100	19.1			7.12	↓	↓	↓
		12.0	1098	19.1			7.10			

Total Purge Volume:
Comments:

Groundwater Sampling Information

Sample ID: **MW-7B**
Sample Time: 11:20 12/6/13
Sample Containers (#/Type): **(5) VOA HCL (1) 250 ml Poly NaB4,Na2CO3,KNCO3**
Comments:

ALLTERRA

Groundwater Sampling Field Log

Site Address: **160 Holmes** | Date: 12.5.13 | 12.6.13

Project Number: **160** | Field Personnel: AP/JM

Monitoring Well Information

Monitoring Well ID: **MW-7C** | Monitoring Well Diameter (in): **2"** | CC

Depth to Water (ft): 24.91 | Water Column (feet): 43.59 | (.17) = 7.4

Total Depth (ft): **68.50** | 80% Recharge Depth (ft):

Depth to Product (ft): —— | 1 Well Volume (gallons): 7.4

Comments:

Field Measurements and Observations

Time	Depth to Water	Purge Volume	Conductivity	Temperature	pH	Turbidity	Color	Odor
		7.4	613	18.9	8.46	none	clear	none
		14.8	672	18.8	8.05	↓	↓	↓
		22.2	681	19.7	8.02			

Total Purge Volume: | Comments:

Groundwater Sampling Information

Sample ID: **MW-7C** | Sample Time: 10:45 12/6/13

Sample Containers (#/Type): **(3) VOA HCL**

Comments:

Groundwater Sampling Field Log

Site Address: **160 Holmes** | Date: 12.5.13 / 12.6.13

Project Number: **160** | Field Personnel: AP/JM

Monitoring Well Information

Monitoring Well ID: **MW-8A** | Monitoring Well Diameter (in): **2"** | CC

Depth to Water (ft): 24.45 | Water Column (feet): 11.05 | (.17) = 1.8

Total Depth (ft): **35.50** | 80% Recharge Depth (ft):

Depth to Product (ft): | 1 Well Volume (gallons): 1.8

Comments:

Field Measurements and Observations

Time	Depth to Water	Purge Volume	Conductivity	Temperature	pH	Turbidity	Color	Odor
		1.8	928	16.9	7.87	None	clear	None
		3.6	940	17.7	7.72	↓	↓	↓
		5.4	976	17.9	7.41			

Total Purge Volume: | Comments:

Groundwater Sampling Information

Sample ID: **MW-8A** | Sample Time: 3:00PM 12.5.13

Sample Containers (#/Type): **(3) VOA HCL**

Comments:

ALLTERRA

Groundwater Sampling Field Log

Site Address: **160 Holmes** | Date: 12·5·13 / 12·6·13

Project Number: **160** | Field Personnel: AP / JM

Monitoring Well Information

Monitoring Well ID: **MW-8B** | Monitoring Well Diameter (in): **2"** | CC

Depth to Water (ft): 24.24 | Water Column (feet): 26.1 | (.17) =

Total Depth (ft): **50.50** | 80% Recharge Depth (ft):

Depth to Product (ft): | 1 Well Volume (gallons): 4.4 x 3 = 13.2

Comments:

Field Measurements and Observations

Time	Depth to Water	Purge Volume	Conductivity	Temperature	pH	Turbidity	Color	Odor
		4.4	743	18.2	8.35	None	clear	None
		8.8	735	18.2	7.86	↓	↓	↓
		13.2	727	18.1	7.76			

Total Purge Volume: 13.2 | Comments:

Groundwater Sampling Information

Sample ID: **MW-8B** | Sample Time: 12·5·13 2:30 PM

Sample Containers (#/Type): **(3) VOA HCL**

Comments:

Groundwater Sampling Field Log

Site Address: **160 Holmes** | Date: 12·5·13 / 12·6·13

Project Number: **160** | Field Personnel: AP / JM

Monitoring Well Information

Monitoring Well ID: **MW-9A** | Monitoring Well Diameter (in): **2"** | CC

Depth to Water (ft): 24.68 | Water Column (feet): 14.82 | (.17) = 2.5

Total Depth (ft): **39.50** | 80% Recharge Depth (ft):

Depth to Product (ft): | 1 Well Volume (gallons): 2.5 x 3 = 7.5

Comments:

Field Measurements and Observations

Time	Depth to Water	Purge Volume	Conductivity	Temperature	pH	Turbidity	Color	Odor
		2.5	730	18.6	8.06	None	clear	None
		5.0	740	18.3	7.78	↓		↓
		7.5	725	18.7	7.74			

Total Purge Volume: 7.5 | Comments:

Groundwater Sampling Information

Sample ID: **MW-9A** | Sample Time: 12:00 PM 12·6·13

Sample Containers (#/Type): **(3) VOA HCL**

Comments:

ALLTERRA

Groundwater Sampling Field Log

Site Address: **160 Holmes** | Date: 12·5·13 / 12·6·13

Project Number: **160** | Field Personnel: AP / JM

Monitoring Well Information

Monitoring Well ID: **MW-9B** | Monitoring Well Diameter (in): **2"** | CC

Depth to Water (ft): 23.77 | Water Column (feet): 27.23 | (.17) = 4.6

Total Depth (ft): **51.00** | 80% Recharge Depth (ft):

Depth to Product (ft): | 1 Well Volume (gallons): 4.6 × 3 = 13.8

Comments:

Field Measurements and Observations

Time	Depth to Water	Purge Volume	Conductivity	Temperature	pH	Turbidity	Color	Odor
		4.6	930	18.7	7.43	None	Clear	None
		9.2	948	18.7	7.21			
		13.8	953	18.7	7.14			

Total Purge Volume: 13.8 | Comments:

Groundwater Sampling Information

Sample ID: **MW-9B** | Sample Time: 11:30AM 12·6·13

Sample Containers (#/Type): **(3) VOA, HCL**

Comments:

Groundwater Sampling Field Log

Site Address: **160 Holmes** | Date: 12·5·13 / 12·6·13

Project Number: **160** | Field Personnel: AP / JM

Monitoring Well Information

Monitoring Well ID: **EW-1** | Monitoring Well Diameter (in): **4"** | CC

Depth to Water (ft): 23.75 | Water Column (feet): 15.25 | (.66) = 10

Total Depth (ft): **39.00** | 80% Recharge Depth (ft):

Depth to Product (ft): — | 1 Well Volume (gallons): 10 × 3 = 30

Comments:

Field Measurements and Observations

Time	Depth to Water	Purge Volume	Conductivity	Temperature	Dissolved Oxygen	Oxidation Reduction Potential	pH	Turbidity	Color	Odor
		10	2210	19.3			8.67	low	light brn	none
		20	1995	19.3			8.71	mod	↓	↓
		30	1989	19.2			8.62	mod		

Total Purge Volume: 30 | Comments:

Groundwater Sampling Information

Sample ID: **EW-1** | Sample Time: 11:55 am 12/6/13

Sample Containers (#/Type): **(5) VOA HCL (1) 250 ml Poly NaB4,Na2CO3,KNCO3**

Comments:

ALLTERRA

Groundwater Sampling Field Log

Site Address: **160 Holmes** | Date:

Project Number: **160** | Field Personnel:

Monitoring Well Information

Monitoring Well ID: **EW-2** | Monitoring Well Diameter (in): **4"** | CC

Depth to Water (ft): | Water Column (feet): | **(.66) =**

Total Depth (ft): **37.00** | 80% Recharge Depth (ft):

Depth to Product (ft): | 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: NOT SAMPLED

Groundwater Sampling Information

Sample ID: **EW-2** | Sample Time:

Sample Containers (#/Type): **(3) VOA HCL** Not Sampled

Comments:

Groundwater Sampling Field Log

Site Address: **160 Holmes** | Date: 12.6.13 /12/5/13

Project Number: **160** | Field Personnel: AP/JM

Monitoring Well Information

Monitoring Well ID: **EW-3** | Monitoring Well Diameter (in): **4"** | CC

Depth to Water (ft): 23-70 | Water Column (feet): 10.3 | **(.66) =** 6.8

Total Depth (ft): **34.00** | 80% Recharge Depth (ft):

Depth to Product (ft): | 1 Well Volume (gallons): 6.8 x 3 = 20.4

Comments:

Field Measurements and Observations

Time	Depth to Water	Purge Volume	Conduc-tivity MS	Temper-ature	Dissolved Oxygen	Oxidation Reduction Potential	pH	Turbidity	Color	Odor
		6.8	5.15	19.1	NM	NM	10.09	low	light brown	slight
		13.6	Error (Or)	19.0	↓	↓	10.34	↓	↓	↓
		20.4	↓		↓	↓	10.34			

Total Purge Volume: | Comments:

Groundwater Sampling Information

Sample ID: **EW-3** | Sample Time: 1:25 12/6/13

Sample Containers (#/Type): **(5) VOA HCL (1) 250 ml Poly NaB4,Na2CO3,KNCO3**

Comments:

ALLTERRA

Groundwater Sampling Field Log

Site Address: **160 Holmes** | Date: 12.6.13
Project Number: **160** | Field Personnel: AP/JM

Monitoring Well Information

Monitoring Well ID: **EW-3B** | Monitoring Well Diameter (in): **4"** | CC
Depth to Water (ft): 23.71 | Water Column (feet): 15.29 | (.66) = 10
Total Depth (ft): **39.00** | 80% Recharge Depth (ft):
Depth to Product (ft): | 1 Well Volume (gallons): 10 x 3 = 30
Comments:

Field Measurements and Observations

Time	Depth to Water	Purge Volume	Conductivity MS	Temperature	Dissolved Oxygen	Oxidation Reduction Potential	pH	Turbidity	Color	Odor
		10	19.67	19.0	NM	NM	10.09	High	tan	None
		20	18.71	19.0	↓	↓	9.98	↓	↓	↓
		30	18.41	19.0			9.96			

Total Purge Volume: 30.0 | Comments: NOT SAMPLED

Groundwater Sampling Information

Sample ID: **EW-3B** | Sample Time: 1:35 12/6/13
Sample Containers (#/Type): **(5) VOA HCL (1) 250 ml Poly NaB4,Na2CO3,KNCO3**
Comments:

Groundwater Sampling Field Log

Site Address: | Date:
Project Number: | Field Personnel:

Monitoring Well Information

Monitoring Well ID: | Monitoring Well Diameter (in): | CC
Depth to Water (ft): | Water Column (feet):
Total Depth (ft): | 80% Recharge Depth (ft):
Depth to Product (ft): | 1 Well Volume (gallons):
Comments:

Field Measurements and Observations

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

Total Purge Volume: | Comments:

Groundwater Sampling Information

Sample ID: | Sample Time:
Sample Containers (#/Type):
Comments:

APPENDIX C
Certified Analytical Reports and Chains-of-Custody

McCampbell Analytical, Inc.

"When Quality Counts"

Analytical Report

WorkOrder: 1312263

Report Created for: Allterra Environmental
849 Almar Ave, Ste. C #281
Santa Cruz, CA 95060

Project Contact: Aaron Powers
Project P.O.:
Project Name: #160; 160 Holmes Street Livermore CA

Project Received: 12/10/2013

Analytical Report reviewed & approved for release on 12/16/2013 by:

Question about your data?

Click here to email McCampbell

Angela Rydelius,
Laboratory Manager

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Glossary of Terms & Qualifier Definitions

Client: Allterra Environmental
Project: #160; 160 Holmes Street Livermore CA
WorkOrder: 1312263

Glossary Abbreviation	Description
95% Interval	95% Confident Interval
DF	Dilution Factor
DUP	Duplicate
LCS	Laboratory Control Sample
MB	Method Blank
MB % Rec	% Recovery of Surrogate in Method Blank, if applicable
MDL	Method Detection Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
ND	Not detected at or above the indicated MDL or RL
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.
RD	Relative Difference
RL	Reporting Limit
RPD	Relative Percent Deviation
SPK Val	Spike Value
SPKRef Val	Spike Reference Value

Analytical Qualifier	
a1	sample diluted due to matrix interference
b1	aqueous sample that contains greater than ~1 vol. % sediment
c8	sample pH is greater than 2
d1	weakly modified or unmodified gasoline is significant
e4	gasoline range compounds are significant.

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Analytical Report

Client:	Allterra Environmental	**WorkOrder:**	1312263
Project:	#160; 160 Holmes Street Livermore CA	**Extraction Method**	E218.6
Date Received:	12/10/13 12:27	**Analytical Method:**	E218.6
Date Prepared:	12/10/13-12/11/13	**Unit:**	µg/L

Hexachrome by IC

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
MW-1A	**1312263-001D**	**Water**	**12/06/2013 13:50**	**IC2**	**84923**

Analytes	Result	RL	DF	Date Analyzed
Hexachrome	ND	0.20	1	12/10/2013 14:31

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
MW-7A	**1312263-003D**	**Water**	**12/06/2013 14:30**	**IC2**	**84923**

Analytes	Result	RL	DF	Date Analyzed
Hexachrome	ND	0.20	1	12/10/2013 15:26

Analytical Comments: b1

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
MW-7B	**1312263-004D**	**Water**	**12/06/2013 11:20**	**IC2**	**84923**

Analytes	Result	RL	DF	Date Analyzed
Hexachrome	ND	0.20	1	12/10/2013 15:44

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
EW-1	**1312263-005D**	**Water**	**12/06/2013 11:55**	**IC2**	**84923**

Analytes	Result	RL	DF	Date Analyzed
Hexachrome	ND	0.40	2	12/11/2013 09:55

Analytical Comments: a1

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
EW-3	**1312263-006D**	**Water**	**12/06/2013 13:25**	**IC2**	**84923**

Analytes	Result	RL	DF	Date Analyzed
Hexachrome	ND	1.0	5	12/11/2013 13:27

Analytical Comments: a1

(Cont.)

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Analytical Report

Client:	Allterra Environmental	**WorkOrder:**	1312263
Project:	#160; 160 Holmes Street Livermore CA	**Extraction Method**	E218.6
Date Received:	12/10/13 12:27	**Analytical Method:**	E218.6
Date Prepared:	12/10/13-12/11/13	**Unit:**	µg/L

Hexachrome by IC

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
EW-3B	**1312263-007D**	**Water**	**12/06/2013 13:35**	**IC2**	**84923**

Analytes	Result	RL	DF	Date Analyzed
Hexachrome	ND	4.0	20	12/11/2013 10:50

Analytical Comments: a1

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Analytical Report

Client:	Allterra Environmental	**WorkOrder:**	1312263
Project:	#160; 160 Holmes Street Livermore CA	**Extraction Method**	SW5030B
Date Received:	12/10/13 12:27	**Analytical Method:**	SW8260B
Date Prepared:	12/11/13-12/12/13	**Unit:**	µg/L

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

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
MW-1A	**1312263-001C**	**Water**	**12/06/2013 13:50**	**GC18**	**84972**

Analytes	Result	RL	DF	Date Analyzed
tert-Amyl methyl ether (TAME)	ND	120	250	12/11/2013 16:16
t-Butyl alcohol (TBA)	**24,000**	500	250	12/11/2013 16:16
1,2-Dibromoethane (EDB)	ND	120	250	12/11/2013 16:16
1,2-Dichloroethane (1,2-DCA)	ND	120	250	12/11/2013 16:16
Diisopropyl ether (DIPE)	ND	120	250	12/11/2013 16:16
Ethyl tert-butyl ether (ETBE)	ND	120	250	12/11/2013 16:16
Methyl-t-butyl ether (MTBE)	ND	120	250	12/11/2013 16:16

Surrogates	REC (%)	Limits	Analytical Comments: c8	
Dibromofluoromethane	97	70-130		12/11/2013 16:16

MW-7A	1312263-003C	Water	12/06/2013 14:30	GC18	84972

Analytes	Result	RL	DF	Date Analyzed
tert-Amyl methyl ether (TAME)	ND	0.50	1	12/11/2013 11:05
t-Butyl alcohol (TBA)	**160**	2.0	1	12/11/2013 11:05
1,2-Dibromoethane (EDB)	ND	0.50	1	12/11/2013 11:05
1,2-Dichloroethane (1,2-DCA)	ND	0.50	1	12/11/2013 11:05
Diisopropyl ether (DIPE)	ND	0.50	1	12/11/2013 11:05
Ethyl tert-butyl ether (ETBE)	ND	0.50	1	12/11/2013 11:05
Methyl-t-butyl ether (MTBE)	**0.66**	0.50	1	12/11/2013 11:05

Surrogates	REC (%)	Limits	Analytical Comments: b1	
Dibromofluoromethane	100	70-130		12/11/2013 11:05

MW-7B	1312263-004C	Water	12/06/2013 11:20	GC18	84972

Analytes	Result	RL	DF	Date Analyzed
tert-Amyl methyl ether (TAME)	ND	12	25	12/11/2013 21:27
t-Butyl alcohol (TBA)	**1700**	50	25	12/11/2013 21:27
1,2-Dibromoethane (EDB)	ND	12	25	12/11/2013 21:27
1,2-Dichloroethane (1,2-DCA)	ND	12	25	12/11/2013 21:27
Diisopropyl ether (DIPE)	ND	12	25	12/11/2013 21:27
Ethyl tert-butyl ether (ETBE)	ND	12	25	12/11/2013 21:27
Methyl-t-butyl ether (MTBE)	ND	12	25	12/11/2013 21:27

Surrogates	REC (%)	Limits		
Dibromofluoromethane	96	70-130		12/11/2013 21:27

(Cont.)

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Analytical Report

Client:	Allterra Environmental	**WorkOrder:**	1312263
Project:	#160; 160 Holmes Street Livermore CA	**Extraction Method**	SW5030B
Date Received:	12/10/13 12:27	**Analytical Method:**	SW8260B
Date Prepared:	12/11/13-12/12/13	**Unit:**	µg/L

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

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
EW-1	**1312263-005C**	**Water**	**12/06/2013 11:55**	**GC18**	**84972**

Analytes	Result	RL	DF	Date Analyzed
tert-Amyl methyl ether (TAME)	ND	50	100	12/11/2013 22:05
t-Butyl alcohol (TBA)	**6200**	200	100	12/11/2013 22:05
1,2-Dibromoethane (EDB)	ND	50	100	12/11/2013 22:05
1,2-Dichloroethane (1,2-DCA)	ND	50	100	12/11/2013 22:05
Diisopropyl ether (DIPE)	ND	50	100	12/11/2013 22:05
Ethyl tert-butyl ether (ETBE)	ND	50	100	12/11/2013 22:05
Methyl-t-butyl ether (MTBE)	ND	50	100	12/11/2013 22:05

Surrogates	REC (%)	Limits	
Dibromofluoromethane	96	70-130	12/11/2013 22:05

EW-3	1312263-006C	Water	12/06/2013 13:25	GC18	84972

Analytes	Result	RL	DF	Date Analyzed
tert-Amyl methyl ether (TAME)	ND	120	250	12/12/2013 00:01
t-Butyl alcohol (TBA)	**25,000**	500	250	12/12/2013 00:01
1,2-Dibromoethane (EDB)	ND	120	250	12/12/2013 00:01
1,2-Dichloroethane (1,2-DCA)	ND	120	250	12/12/2013 00:01
Diisopropyl ether (DIPE)	ND	120	250	12/12/2013 00:01
Ethyl tert-butyl ether (ETBE)	ND	120	250	12/12/2013 00:01
Methyl-t-butyl ether (MTBE)	**5900**	120	250	12/12/2013 00:01

Surrogates	REC (%)	Limits	Analytical Comments: c8	
Dibromofluoromethane	98	70-130		12/12/2013 00:01

EW-3B	1312263-007C	Water	12/06/2013 13:35	GC18	84972

Analytes	Result	RL	DF	Date Analyzed
tert-Amyl methyl ether (TAME)	ND	250	500	12/12/2013 00:40
t-Butyl alcohol (TBA)	**38,000**	1000	500	12/12/2013 00:40
1,2-Dibromoethane (EDB)	ND	250	500	12/12/2013 00:40
1,2-Dichloroethane (1,2-DCA)	ND	250	500	12/12/2013 00:40
Diisopropyl ether (DIPE)	ND	250	500	12/12/2013 00:40
Ethyl tert-butyl ether (ETBE)	ND	250	500	12/12/2013 00:40
Methyl-t-butyl ether (MTBE)	ND	250	500	12/12/2013 00:40

Surrogates	REC (%)	Limits	Analytical Comments: c8	
Dibromofluoromethane	98	70-130		12/12/2013 00:40

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Analytical Report

Client:	Allterra Environmental	**WorkOrder:**	1312263
Project:	#160; 160 Holmes Street Livermore CA	**Extraction Method**	SW5030B
Date Received:	12/10/13 12:27	**Analytical Method:**	SW8021B/8015Bm
Date Prepared:	12/10/13-12/13/13	**Unit:**	µg/L

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

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
MW-1A	**1312263-001A**	**Water**	**12/06/2013 13:50**	**GC3**	**84965**

Analytes	Result	RL	DF	Date Analyzed
TPH(g)	ND	50	1	12/11/2013 04:26
MTBE	**5.2**	5.0	1	12/11/2013 04:26
Benzene	ND	0.50	1	12/11/2013 04:26
Toluene	ND	0.50	1	12/11/2013 04:26
Ethylbenzene	ND	0.50	1	12/11/2013 04:26
Xylenes	ND	0.50	1	12/11/2013 04:26

Surrogates	REC (%)	Limits	
aaa-TFT	102	70-130	12/11/2013 04:26

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
MW-1B	**1312263-002A**	**Water**	**12/06/2013 14:00**	**GC3**	**84965**

Analytes	Result	RL	DF	Date Analyzed
TPH(g)	ND	50	1	12/11/2013 04:55
MTBE	ND	5.0	1	12/11/2013 04:55
Benzene	ND	0.50	1	12/11/2013 04:55
Toluene	ND	0.50	1	12/11/2013 04:55
Ethylbenzene	ND	0.50	1	12/11/2013 04:55
Xylenes	ND	0.50	1	12/11/2013 04:55

Surrogates	REC (%)	Limits	
aaa-TFT	104	70-130	12/11/2013 04:55

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
MW-7A	**1312263-003A**	**Water**	**12/06/2013 14:30**	**GC3**	**84965**

Analytes	Result	RL	DF	Date Analyzed
TPH(g)	ND	50	1	12/11/2013 05:24
MTBE	ND	5.0	1	12/11/2013 05:24
Benzene	ND	0.50	1	12/11/2013 05:24
Toluene	**1.4**	0.50	1	12/11/2013 05:24
Ethylbenzene	ND	0.50	1	12/11/2013 05:24
Xylenes	ND	0.50	1	12/11/2013 05:24

Surrogates	REC (%)	Limits	Analytical Comments: b1	
aaa-TFT	111	70-130		12/11/2013 05:24

(Cont.)

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Analytical Report

Client:	Allterra Environmental	**WorkOrder:**	1312263
Project:	#160; 160 Holmes Street Livermore CA	**Extraction Method**	SW5030B
Date Received:	12/10/13 12:27	**Analytical Method:**	SW8021B/8015Bm
Date Prepared:	12/10/13-12/13/13	**Unit:**	µg/L

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

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
MW-7B	**1312263-004A**	**Water**	**12/06/2013 11:20**	**GC3**	**84965**

Analytes	Result	RL	DF	Date Analyzed
TPH(g)	ND	50	1	12/11/2013 05:53
MTBE	ND	5.0	1	12/11/2013 05:53
Benzene	ND	0.50	1	12/11/2013 05:53
Toluene	**1.1**	0.50	1	12/11/2013 05:53
Ethylbenzene	ND	0.50	1	12/11/2013 05:53
Xylenes	ND	0.50	1	12/11/2013 05:53
Surrogates	REC (%)	Limits		
aaa-TFT	106	70-130		12/11/2013 05:53

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
EW-1	**1312263-005A**	**Water**	**12/06/2013 11:55**	**GC3**	**85033**

Analytes	Result	RL	DF	Date Analyzed
TPH(g)	ND	50	1	12/13/2013 00:27
MTBE	**17**	5.0	1	12/13/2013 00:27
Benzene	ND	0.50	1	12/13/2013 00:27
Toluene	ND	0.50	1	12/13/2013 00:27
Ethylbenzene	ND	0.50	1	12/13/2013 00:27
Xylenes	ND	0.50	1	12/13/2013 00:27
Surrogates	REC (%)	Limits		
aaa-TFT	101	70-130		12/13/2013 00:27

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
EW-3	**1312263-006A**	**Water**	**12/06/2013 13:25**	**GC3**	**84965**

Analytes	Result	RL	DF	Date Analyzed
TPH(g)	**760**	500	10	12/10/2013 19:08
MTBE	**5100**	500	100	12/11/2013 17:37
Benzene	ND	5.0	10	12/10/2013 19:08
Toluene	ND	5.0	10	12/10/2013 19:08
Ethylbenzene	ND	5.0	10	12/10/2013 19:08
Xylenes	**13**	5.0	10	12/10/2013 19:08
Surrogates	REC (%)	Limits	Analytical Comments: d1	
aaa-TFT	100	70-130		12/10/2013 19:08

(Cont.)

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Analytical Report

Client:	Allterra Environmental	**WorkOrder:**	1312263
Project:	#160; 160 Holmes Street Livermore CA	**Extraction Method**	SW5030B
Date Received:	12/10/13 12:27	**Analytical Method:**	SW8021B/8015Bm
Date Prepared:	12/10/13-12/13/13	**Unit:**	µg/L

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

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
EW-3B	**1312263-007A**	**Water**	**12/06/2013 13:35**	**GC3**	**84965**

Analytes	Result	RL	DF	Date Analyzed
TPH(g)	**180**	50	1	12/11/2013 19:37
MTBE	**23**	5.0	1	12/11/2013 19:37
Benzene	**1.6**	0.50	1	12/11/2013 19:37
Toluene	**1.3**	0.50	1	12/11/2013 19:37
Ethylbenzene	**2.3**	0.50	1	12/11/2013 19:37
Xylenes	**3.5**	0.50	1	12/11/2013 19:37

Surrogates	REC (%)	Limits	Analytical Comments: d1	
aaa-TFT	97	70-130		12/11/2013 19:37

MW-5A	1312263-008A	Water	12/05/2013 13:30	GC3	85033

Analytes	Result	RL	DF	Date Analyzed
TPH(g)	ND	50	1	12/11/2013 15:07
MTBE	ND	5.0	1	12/11/2013 15:07
Benzene	ND	0.50	1	12/11/2013 15:07
Toluene	ND	0.50	1	12/11/2013 15:07
Ethylbenzene	ND	0.50	1	12/11/2013 15:07
Xylenes	ND	0.50	1	12/11/2013 15:07

Surrogates	REC (%)	Limits	
aaa-TFT	104	70-130	12/11/2013 15:07

MW-5B	1312263-009A	Water	12/05/2013 14:00	GC3	85033

Analytes	Result	RL	DF	Date Analyzed
TPH(g)	ND	50	1	12/11/2013 15:37
MTBE	ND	5.0	1	12/11/2013 15:37
Benzene	ND	0.50	1	12/11/2013 15:37
Toluene	ND	0.50	1	12/11/2013 15:37
Ethylbenzene	ND	0.50	1	12/11/2013 15:37
Xylenes	ND	0.50	1	12/11/2013 15:37

Surrogates	REC (%)	Limits	
aaa-TFT	99	70-130	12/11/2013 15:37

(Cont.)

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Analytical Report

Client:	Allterra Environmental	**WorkOrder:**	1312263
Project:	#160; 160 Holmes Street Livermore CA	**Extraction Method**	SW5030B
Date Received:	12/10/13 12:27	**Analytical Method:**	SW8021B/8015Bm
Date Prepared:	12/10/13-12/13/13	**Unit:**	µg/L

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

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
MW-7C	**1312263-010A**	**Water**	**12/06/2013 10:45**	**GC3**	**85033**

Analytes	Result	RL	DF	Date Analyzed
TPH(g)	ND	50	1	12/11/2013 14:07
MTBE	ND	5.0	1	12/11/2013 14:07
Benzene	ND	0.50	1	12/11/2013 14:07
Toluene	ND	0.50	1	12/11/2013 14:07
Ethylbenzene	ND	0.50	1	12/11/2013 14:07
Xylenes	ND	0.50	1	12/11/2013 14:07
Surrogates	REC (%)	Limits		
aaa-TFT	98	70-130		12/11/2013 14:07

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
MW-8A	**1312263-011A**	**Water**	**12/05/2013 15:00**	**GC3**	**85033**

Analytes	Result	RL	DF	Date Analyzed
TPH(g)	ND	50	1	12/11/2013 18:37
MTBE	ND	5.0	1	12/11/2013 18:37
Benzene	ND	0.50	1	12/11/2013 18:37
Toluene	ND	0.50	1	12/11/2013 18:37
Ethylbenzene	ND	0.50	1	12/11/2013 18:37
Xylenes	ND	0.50	1	12/11/2013 18:37
Surrogates	REC (%)	Limits		
aaa-TFT	99	70-130		12/11/2013 18:37

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
MW-8B	**1312263-012A**	**Water**	**12/05/2013 14:30**	**GC3**	**85033**

Analytes	Result	RL	DF	Date Analyzed
TPH(g)	ND	50	1	12/11/2013 19:07
MTBE	ND	5.0	1	12/11/2013 19:07
Benzene	ND	0.50	1	12/11/2013 19:07
Toluene	ND	0.50	1	12/11/2013 19:07
Ethylbenzene	ND	0.50	1	12/11/2013 19:07
Xylenes	ND	0.50	1	12/11/2013 19:07
Surrogates	REC (%)	Limits		
aaa-TFT	99	70-130		12/11/2013 19:07

(Cont.)

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Analytical Report

Client:	Allterra Environmental	**WorkOrder:**	1312263
Project:	#160; 160 Holmes Street Livermore CA	**Extraction Method**	SW5030B
Date Received:	12/10/13 12:27	**Analytical Method:**	SW8021B/8015Bm
Date Prepared:	12/10/13-12/13/13	**Unit:**	µg/L

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

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
MW-9A	**1312263-013A**	**Water**	**12/06/2013 12:00**	**GC3**	**85033**

Analytes	Result	RL	DF	Date Analyzed
TPH(g)	ND	50	1	12/11/2013 20:36
MTBE	ND	5.0	1	12/11/2013 20:36
Benzene	ND	0.50	1	12/11/2013 20:36
Toluene	ND	0.50	1	12/11/2013 20:36
Ethylbenzene	ND	0.50	1	12/11/2013 20:36
Xylenes	ND	0.50	1	12/11/2013 20:36
Surrogates	REC (%)	Limits		
aaa-TFT	101	70-130		12/11/2013 20:36

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
MW-9B	**1312263-014A**	**Water**	**12/06/2013 11:30**	**GC3**	**85033**

Analytes	Result	RL	DF	Date Analyzed
TPH(g)	ND	50	1	12/11/2013 21:06
MTBE	ND	5.0	1	12/11/2013 21:06
Benzene	ND	0.50	1	12/11/2013 21:06
Toluene	ND	0.50	1	12/11/2013 21:06
Ethylbenzene	ND	0.50	1	12/11/2013 21:06
Xylenes	ND	0.50	1	12/11/2013 21:06
Surrogates	REC (%)	Limits		
aaa-TFT	99	70-130		12/11/2013 21:06

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
MW-6	**1312263-015A**	**Water**	**12/06/2013 11:45**	**GC3**	**85033**

Analytes	Result	RL	DF	Date Analyzed
TPH(g)	ND	50	1	12/11/2013 21:36
MTBE	ND	5.0	1	12/11/2013 21:36
Benzene	ND	0.50	1	12/11/2013 21:36
Toluene	ND	0.50	1	12/11/2013 21:36
Ethylbenzene	ND	0.50	1	12/11/2013 21:36
Xylenes	ND	0.50	1	12/11/2013 21:36
Surrogates	REC (%)	Limits		
aaa-TFT	99	70-130		12/11/2013 21:36

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Analytical Report

Client:	Allterra Environmental	**WorkOrder:**	1312263
Project:	#160; 160 Holmes Street Livermore CA	**Extraction Method**	SW3510C
Date Received:	12/10/13 12:27	**Analytical Method:**	SW8015B
Date Prepared:	12/10/13	**Unit:**	µg/L

Total Extractable Petroleum Hydrocarbons

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
MW-1A	**1312263-001B**	**Water**	**12/06/2013 13:50**	**GC2B**	**84897**

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	ND	50	1	12/10/2013 21:55
Surrogates	**REC (%)**	**Limits**		
C9	116	70-130		12/10/2013 21:55

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
MW-7A	**1312263-003B**	**Water**	**12/06/2013 14:30**	**GC2B**	**84897**

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	**68**	50	1	12/11/2013 01:41
Surrogates	**REC (%)**	**Limits**	Analytical Comments: e4,b1	
C9	119	70-130		12/11/2013 01:41

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
MW-7B	**1312263-004B**	**Water**	**12/06/2013 11:20**	**GC2B**	**84897**

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	ND	50	1	12/11/2013 06:41
Surrogates	**REC (%)**	**Limits**		
C9	122	70-130		12/11/2013 06:41

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
EW-1	**1312263-005B**	**Water**	**12/06/2013 11:55**	**GC2B**	**84897**

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	ND	50	1	12/11/2013 02:56
Surrogates	**REC (%)**	**Limits**		
C9	120	70-130		12/11/2013 02:56

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
EW-3	**1312263-006B**	**Water**	**12/06/2013 13:25**	**GC2B**	**84897**

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	**460**	50	1	12/11/2013 00:26
Surrogates	**REC (%)**	**Limits**	Analytical Comments: e4	
C9	119	70-130		12/11/2013 00:26

(Cont.)

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Analytical Report

Client:	Allterra Environmental	**WorkOrder:**	1312263
Project:	#160; 160 Holmes Street Livermore CA	**Extraction Method**	SW3510C
Date Received:	12/10/13 12:27	**Analytical Method:**	SW8015B
Date Prepared:	12/10/13	**Unit:**	µg/L

Total Extractable Petroleum Hydrocarbons

Client ID	Lab ID	Matrix/ExtType	Date Collected	Instrument	Batch ID
EW-3B	**1312263-007B**	**Water**	**12/06/2013 13:35**	**GC2B**	**84897**

Analytes	Result	RL	DF	Date Analyzed
TPH-Diesel (C10-C23)	**250**	50	1	12/11/2013 04:11

Surrogates	REC (%)	Limits	Analytical Comments: e4	
C9	119	70-130		12/11/2013 04:11

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Quality Control Report

Client:	Allterra Environmental	**WorkOrder:**	1312263
Date Prepared:	12/10/13	**BatchID:**	84923
Date Analyzed:	12/10/13	**Extraction Method**	E218.6
Instrument:	IC2	**Analytical Method:**	E218.6
Matrix:	Water	**Unit:**	µg/L
Project:	#160; 160 Holmes Street Livermore CA	**Sample ID:**	MB/LCS-84923 1312263-001DMS/MSD

QC Summary Report for E218.6

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Hexachrome	ND	27.22	0.20	25	-	109	90-110

Analyte	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
Hexachrome	27.09	26.34	25	ND	108	105	90-110	2.81	10

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Quality Control Report

Client:	Allterra Environmental	**WorkOrder:**	1312263
Date Prepared:	12/11/13	**BatchID:**	84972
Date Analyzed:	12/11/13	**Extraction Method**	SW5030B
Instrument:	GC18	**Analytical Method:**	SW8260B
Matrix:	Water	**Unit:**	µg/L
Project:	#160; 160 Holmes Street Livermore CA	**Sample ID:**	MB/LCS-84972 1312279-008AMS/MSD

QC Summary Report for SW8260B

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Acetone	ND	-	10	-	-	-	-
tert-Amyl methyl ether (TAME)	ND	21.83	0.50	20	-	109	70-130
Benzene	ND	20.56	0.50	20	-	103	70-130
Bromobenzene	ND	-	0.50	-	-	-	-
Bromochloromethane	ND	-	0.50	-	-	-	-
Bromodichloromethane	ND	-	0.50	-	-	-	-
Bromoform	ND	-	0.50	-	-	-	-
Bromomethane	ND	-	0.50	-	-	-	-
2-Butanone (MEK)	ND	-	2.0	-	-	-	-
t-Butyl alcohol (TBA)	ND	83.29	2.0	80	-	104	70-130
n-Butyl benzene	ND	-	0.50	-	-	-	-
sec-Butyl benzene	ND	-	0.50	-	-	-	-
tert-Butyl benzene	ND	-	0.50	-	-	-	-
Carbon Disulfide	ND	-	0.50	-	-	-	-
Carbon Tetrachloride	ND	-	0.50	-	-	-	-
Chlorobenzene	ND	19.5	0.50	20	-	97.5	70-130
Chloroethane	ND	-	0.50	-	-	-	-
Chloroform	ND	-	0.50	-	-	-	-
Chloromethane	ND	-	0.50	-	-	-	-
2-Chlorotoluene	ND	-	0.50	-	-	-	-
4-Chlorotoluene	ND	-	0.50	-	-	-	-
Dibromochloromethane	ND	-	0.50	-	-	-	-
1,2-Dibromo-3-chloropropane	ND	-	0.20	-	-	-	-
1,2-Dibromoethane (EDB)	ND	20.84	0.50	20	-	104	70-130
Dibromomethane	ND	-	0.50	-	-	-	-
1,2-Dichlorobenzene	ND	-	0.50	-	-	-	-
1,3-Dichlorobenzene	ND	-	0.50	-	-	-	-
1,4-Dichlorobenzene	ND	-	0.50	-	-	-	-
Dichlorodifluoromethane	ND	-	0.50	-	-	-	-
1,1-Dichloroethane	ND	-	0.50	-	-	-	-
1,2-Dichloroethane (1,2-DCA)	ND	18.22	0.50	20	-	91.1	70-130
1,1-Dichloroethene	ND	-	0.50	-	-	-	-
cis-1,2-Dichloroethene	ND	-	0.50	-	-	-	-
trans-1,2-Dichloroethene	ND	-	0.50	-	-	-	-
1,2-Dichloropropane	ND	-	0.50	-	-	-	-
1,3-Dichloropropane	ND	-	0.50	-	-	-	-
2,2-Dichloropropane	ND	-	0.50	-	-	-	-
1,1-Dichloropropene	ND	-	0.50	-	-	-	-
cis-1,3-Dichloropropene	ND	-	0.50	-	-	-	-
trans-1,3-Dichloropropene	ND	-	0.50	-	-	-	-

(Cont.)

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Quality Control Report

Client:	Allterra Environmental	**WorkOrder:**	1312263
Date Prepared:	12/11/13	**BatchID:**	84972
Date Analyzed:	12/11/13	**Extraction Method**	SW5030B
Instrument:	GC18	**Analytical Method:**	SW8260B
Matrix:	Water	**Unit:**	µg/L
Project:	#160; 160 Holmes Street Livermore CA	**Sample ID:**	MB/LCS-84972 1312279-008AMS/MSD

QC Summary Report for SW8260B

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
Diisopropyl ether (DIPE)	ND	20.51	0.50	20	-	103	70-130
Ethylbenzene	ND	-	0.50	-	-	-	-
Ethyl tert-butyl ether (ETBE)	ND	20.26	0.50	20	-	101	70-130
Freon 113	ND	-	0.50	-	-	-	-
Hexachlorobutadiene	ND	-	0.50	-	-	-	-
Hexachloroethane	ND	-	0.50	-	-	-	-
2-Hexanone	ND	-	0.50	-	-	-	-
Isopropylbenzene	ND	-	0.50	-	-	-	-
4-Isopropyl toluene	ND	-	0.50	-	-	-	-
Methyl-t-butyl ether (MTBE)	ND	20.82	0.50	20	-	104	70-130
Methylene chloride	ND	-	0.50	-	-	-	-
4-Methyl-2-pentanone (MIBK)	ND	-	0.50	-	-	-	-
Naphthalene	ND	-	0.50	-	-	-	-
n-Propyl benzene	ND	-	0.50	-	-	-	-
Styrene	ND	-	0.50	-	-	-	-
1,1,1,2-Tetrachloroethane	ND	-	0.50	-	-	-	-
1,1,2,2-Tetrachloroethane	ND	-	0.50	-	-	-	-
Tetrachloroethene	ND	-	0.50	-	-	-	-
Toluene	ND	19.87	0.50	20	-	99.3	70-130
1,2,3-Trichlorobenzene	ND	-	0.50	-	-	-	-
1,2,4-Trichlorobenzene	ND	-	0.50	-	-	-	-
1,1,1-Trichloroethane	ND	-	0.50	-	-	-	-
1,1,2-Trichloroethane	ND	-	0.50	-	-	-	-
Trichloroethene	ND	20.12	0.50	20	-	101	70-130
Trichlorofluoromethane	ND	-	0.50	-	-	-	-
1,2,3-Trichloropropane	ND	-	0.50	-	-	-	-
1,2,4-Trimethylbenzene	ND	-	0.50	-	-	-	-
1,3,5-Trimethylbenzene	ND	-	0.50	-	-	-	-
Vinyl Chloride	ND	-	0.50	-	-	-	-
Xylenes, Total	ND	-	0.50	-	-	-	-
Surrogate Recovery							
Dibromofluoromethane	24.2	42.65		45	97	95	70-130
Toluene-d8	23.66	39.02		45	95	87	70-130
4-BFB	2.128	3.799		4.5	85	84	70-130

(Cont.)

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Quality Control Report

Client:	Allterra Environmental	**WorkOrder:**	1312263
Date Prepared:	12/11/13	**BatchID:**	84972
Date Analyzed:	12/11/13	**Extraction Method**	SW5030B
Instrument:	GC18	**Analytical Method:**	SW8260B
Matrix:	Water	**Unit:**	µg/L
Project:	#160; 160 Holmes Street Livermore CA	**Sample ID:**	MB/LCS-84972 1312279-008AMS/MSD

QC Summary Report for SW8260B

Analyte	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
tert-Amyl methyl ether (TAME)	23.42	24.2	20	ND	117	121	70-130	3.26	20
Benzene	20.98	21.56	20	ND	105	108	70-130	2.74	20
t-Butyl alcohol (TBA)	99.94	102.8	80	ND	125	128	70-130	2.82	20
Chlorobenzene	20.29	20.24	20	ND	101	101	70-130	0	20
1,2-Dibromoethane (EDB)	23.08	22.81	20	ND	115	114	70-130	1.20	20
1,2-Dichloroethane (1,2-DCA)	19.26	19.18	20	ND	96.3	95.9	70-130	0.408	20
Diisopropyl ether (DIPE)	21.66	21.76	20	ND	108	109	70-130	0.430	20
Ethyl tert-butyl ether (ETBE)	21.86	22.22	20	ND	109	111	70-130	1.63	20
Methyl-t-butyl ether (MTBE)	22.83	23.01	20	ND	114	115	70-130	0.796	20
Toluene	20.23	20.55	20	ND	101	103	70-130	1.55	20
Trichloroethene	20.26	20.59	20	ND	101	103	70-130	1.63	20
Surrogate Recovery									
Dibromofluoromethane	43.02	43.1	45		96	96	70-130	0	20
Toluene-d8	38.81	38.86	45		86	86	70-130	0	20
4-BFB	3.709	3.835	4.5		82	85	70-130	3.36	20

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Quality Control Report

Client:	Allterra Environmental	**WorkOrder:**	1312263
Date Prepared:	12/10/13	**BatchID:**	84965
Date Analyzed:	12/10/13	**Extraction Method**	SW5030B
Instrument:	GC3	**Analytical Method:**	SW8021B/8015Bm
Matrix:	Water	**Unit:**	µg/L
Project:	#160; 160 Holmes Street Livermore CA	**Sample ID:**	MB/LCS-84965 1312208-001BMS/MSD

QC Summary Report for SW8021B/8015Bm

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
TPH(btex)	ND	60.7	40	60	-	101	70-130
MTBE	ND	11	5.0	10	-	110	70-130
Benzene	ND	10.38	0.50	10	-	104	70-130
Toluene	ND	10.38	0.50	10	-	104	70-130
Ethylbenzene	ND	10.34	0.50	10	-	103	70-130
Xylenes	ND	31.38	0.50	30	-	105	70-130
Surrogate Recovery							
aaa-TFT	10.32	9.813		10	103	98	70-130

Analyte	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
TPH(btex)	61.39	61.34	60	ND	102	102	70-130	0	20
MTBE	10.63	10.98	10	ND	106	110	70-130	3.26	20
Benzene	10.55	11.14	10	ND	106	111	70-130	5.41	20
Toluene	10.33	11.1	10	ND	103	111	70-130	7.14	20
Ethylbenzene	10.34	11	10	ND	103	110	70-130	6.15	20
Xylenes	31.41	33.19	30	ND	105	111	70-130	5.49	20
Surrogate Recovery									
aaa-TFT	9.855	10.23	10		99	102	70-130	3.70	20

(Cont.)

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Quality Control Report

Client:	Allterra Environmental	**WorkOrder:**	1312263
Date Prepared:	12/11/13	**BatchID:**	85033
Date Analyzed:	12/11/13	**Extraction Method**	SW5030B
Instrument:	GC3	**Analytical Method:**	SW8021B/8015Bm
Matrix:	Water	**Unit:**	µg/L
Project:	#160; 160 Holmes Street Livermore CA	**Sample ID:**	MB/LCS-85033 1312319-001AMS/MSD

QC Summary Report for SW8021B/8015Bm

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
TPH(btex)	ND	59.56	40	60	-	99.3	70-130
MTBE	ND	9.969	5.0	10	-	99.7	70-130
Benzene	ND	9.827	0.50	10	-	98.3	70-130
Toluene	ND	9.928	0.50	10	-	99.3	70-130
Ethylbenzene	ND	9.804	0.50	10	-	98	70-130
Xylenes	ND	29.61	0.50	30	-	98.7	70-130
Surrogate Recovery							
aaa-TFT	10.03	9.877		10	100	99	70-130

Analyte	MS Result	MSD Result	SPK Val	SPKRef Val	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD Limit
TPH(btex)	60.38	57.64	60	ND	101	96.1	70-130	4.63	20
MTBE	10.53	10.47	10	ND	105	105	70-130	0	20
Benzene	10.27	10.21	10	ND	103	102	70-130	0.635	20
Toluene	10.38	10.26	10	ND	104	103	70-130	1.20	20
Ethylbenzene	10.25	10.19	10	ND	103	102	70-130	0.615	20
Xylenes	30.87	30.88	30	ND	103	103	70-130	0	20
Surrogate Recovery									
aaa-TFT	9.819	10.03	10		98	100	70-130	2.13	20

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Quality Control Report

Client:	Allterra Environmental	**WorkOrder:**	1312263
Date Prepared:	12/9/13	**BatchID:**	84897
Date Analyzed:	12/11/13	**Extraction Method**	SW3510C
Instrument:	GC2A	**Analytical Method:**	SW8015B
Matrix:	Water	**Unit:**	µg/L
Project:	#160; 160 Holmes Street Livermore CA	**Sample ID:**	MB/LCS-84897

QC Summary Report for SW8015B

Analyte	MB Result	LCS Result	RL	SPK Val	MB SS %REC	LCS %REC	LCS Limits
TPH-Diesel (C10-C23)	ND	1140	50	1000	-	114	70-130
Surrogate Recovery							
C9	564.8	558.4		625	90	89	70-130

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

CHAIN-OF-CUSTODY RECORD

WorkOrder: 1312263 **ClientCode: ATRS**

☐ WaterTrax ☐ WriteOn ☑ EDF ☐ Excel ☐ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Report to:
Aaron Powers
Allterra Environmental
849 Almar Ave, Ste. C #281
Santa Cruz, CA 95060
831-425-2608 FAX: 831-425-2609

Email: aaron@allterraenv.com; allterraenvironmen
cc:
PO:
ProjectNo: #160; 160 Holmes Street Livermore CA

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

Requested TAT: 5 days

Date Received: **12/10/2013**
Date Printed: **12/11/2013**

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
1312263-001	MW-1A	Water	12/6/2013 13:50	☐	D	C	A	A	B							
1312263-002	MW-1B	Water	12/6/2013 14:00	☐			A									
1312263-003	MW-7A	Water	12/6/2013 14:30	☐	D	C	A		B							
1312263-004	MW-7B	Water	12/6/2013 11:20	☐	D	C	A		B							
1312263-005	EW-1	Water	12/6/2013 11:55	☐	D	C	A		B							
1312263-006	EW-3	Water	12/6/2013 13:25	☐	D	C	A		B							
1312263-007	EW-3B	Water	12/6/2013 13:35	☐	D	C	A		B							
1312263-008	MW-5A	Water	12/5/2013 13:30	☐			A									
1312263-009	MW-5B	Water	12/5/2013 14:00	☐			A									
1312263-010	MW-7C	Water	12/6/2013 10:45	☐			A									
1312263-011	MW-8A	Water	12/5/2013 15:00	☐			A									
1312263-012	MW-8B	Water	12/5/2013 14:30	☐			A									
1312263-013	MW-9A	Water	12/6/2013 12:00	☐			A									
1312263-014	MW-9B	Water	12/6/2013 11:30	☐			A									

Test Legend:

1	218_6_W	2	5-OXYS+PBSCV_W	3	G-MBTEX_W	4	PREDF REPORT	5	TPH(D)_W
6		7		8		9		10	
11		12							

Prepared by: Maria Venegas

Comments:

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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

CHAIN-OF-CUSTODY RECORD

WorkOrder: 1312263 **ClientCode: ATRS**

☐ WaterTrax ☐ WriteOn ☑ EDF ☐ Excel ☐ EQuIS ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Report to:
Aaron Powers
Allterra Environmental
849 Almar Ave, Ste. C #281
Santa Cruz, CA 95060
831-425-2608 FAX: 831-425-2609

Email: aaron@allterraenv.com; allterraenvironmen
cc:
PO:
ProjectNo: #160; 160 Holmes Street Livermore CA

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

Requested TAT: **5 days**

Date Received: **12/10/2013**
Date Printed: **12/11/2013**

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
1312263-015	MW-6	Water	12/6/2013 11:45	☐			A									

Test Legend:

1	218_6_W	2	5-OXYS+PBSCV_W	3	G-MBTEX_W	4	PREDF REPORT	5	TPH(D)_W
6		7		8		9		10	
11		12							

Prepared by: Maria Venegas

Comments:

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
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
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

WORK ORDER SUMMARY

Client Name: ALLTERRA ENVIRONMENTAL
Project: #160; 160 Holmes Street Livermore CA
Comments:

QC Level: LEVEL 2
Client Contact: Aaron Powers
Contact's Email: aaron@allterraenv.com; allterraenvironmental@yahoo.com

Work Order: 1312263
Date Received: 12/10/2013

☐ WaterTrax ☐ WriteOn ☑ EDF ☐ Excel ☐ Fax ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Lab ID	Client ID	Matrix	Test Name	Number of Containers	Bottle & Preservative	De-chlorinated	Collection Date & Time	TAT	Sediment Content	Hold	SubOut
1312263-001A	MW-1A	Water	SW8021B/8015Bm (G/MBTEX)	2	VOA w/ HCl	☐	12/6/2013 13:50	5 days	Present	☐	
1312263-001B	MW-1A	Water	SW8015B (Diesel)	2	VOA w/ HCl	☐	12/6/2013 13:50	5 days	Present	☐	
1312263-001C	MW-1A	Water	SW8260B (5 Oxys+Lead Scav.)	1	VOA w/ HCl	☐	12/6/2013 13:50	5 days	Present	☐	
1312263-001D	MW-1A	Water	E218.6 (Hexachrome)	1	125mL HDPE w/ NaB4 / Na2CO3 / KHCO3	☐	12/6/2013 13:50	5 days	Present	☐	
1312263-002A	MW-1B	Water	SW8021B/8015Bm (G/MBTEX)	3	VOA w/ HCl	☐	12/6/2013 14:00	5 days	Present	☐	
1312263-003A	MW-7A	Water	SW8021B/8015Bm (G/MBTEX)	2	VOA w/ HCl	☐	12/6/2013 14:30	5 days	1%+	☐	
1312263-003B	MW-7A	Water	SW8015B (Diesel)	2	VOA w/ HCl	☐	12/6/2013 14:30	5 days	1%+	☐	
1312263-003C	MW-7A	Water	SW8260B (5 Oxys+Lead Scav.)	1	VOA w/ HCl	☐	12/6/2013 14:30	5 days	1%+	☐	
1312263-003D	MW-7A	Water	E218.6 (Hexachrome)	1	125mL HDPE w/ NaB4 / Na2CO3 / KHCO3	☐	12/6/2013 14:30	5 days	1%+	☐	
1312263-004A	MW-7B	Water	SW8021B/8015Bm (G/MBTEX)	2	VOA w/ HCl	☐	12/6/2013 11:20	5 days	Present	☐	
1312263-004B	MW-7B	Water	SW8015B (Diesel)	2	VOA w/ HCl	☐	12/6/2013 11:20	5 days	Present	☐	
1312263-004C	MW-7B	Water	SW8260B (5 Oxys+Lead Scav.)	1	VOA w/ HCl	☐	12/6/2013 11:20	5 days	Present	☐	
1312263-004D	MW-7B	Water	E218.6 (Hexachrome)	1	125mL HDPE w/ NaB4 / Na2CO3 / KHCO3	☐	12/6/2013 11:20	5 days	Present	☐	
1312263-005A	EW-1	Water	SW8021B/8015Bm (G/MBTEX)	2	VOA w/ HCl	☐	12/6/2013 11:55	5 days	Present	☐	
1312263-005B	EW-1	Water	SW8015B (Diesel)	2	VOA w/ HCl	☐	12/6/2013 11:55	5 days	Present	☐	

*** NOTE: STLC and TCLP extractions require 48 hrs to complete; therefore, all TATs begin after the extraction is completed (i.e., 24hr TAT yields results in 72 hrs from sample submission).**

Bottle Legend:

125mL HDPE w/ NaB4 / Na2CO3 / KHCO3 = 125mL HDPE Bottle w/ Borate-Hydroxide Buffer
VOA w/ HCl = 43mL VOA w/ HCl

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

WORK ORDER SUMMARY

Client Name: ALLTERRA ENVIRONMENTAL
Project: #160; 160 Holmes Street Livermore CA
Comments:

QC Level: LEVEL 2
Client Contact: Aaron Powers
Contact's Email: aaron@allterraenv.com; allterraenvironmental@yahoo.com

Work Order: 1312263
Date Received: 12/10/2013

☐ WaterTrax ☐ WriteOn ☑ EDF ☐ Excel ☐ Fax ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Lab ID	Client ID	Matrix	Test Name	Number of Containers	Bottle & Preservative	De-chlorinated	Collection Date & Time	TAT	Sediment Content	Hold	SubOut
1312263-005C	EW-1	Water	SW8260B (5 Oxys+Lead Scav.)	1	VOA w/ HCl	☐	12/6/2013 11:55	5 days	Present	☐	
1312263-005D	EW-1	Water	E218.6 (Hexachrome)	1	125mL HDPE w/ NaB4 / Na2CO3 / KHCO3	☐	12/6/2013 11:55	5 days	Present	☐	
1312263-006A	EW-3	Water	SW8021B/8015Bm (G/MBTEX)	2	VOA w/ HCl	☐	12/6/2013 13:25	5 days	Present	☐	
1312263-006B	EW-3	Water	SW8015B (Diesel)	2	VOA w/ HCl	☐	12/6/2013 13:25	5 days	Present	☐	
1312263-006C	EW-3	Water	SW8260B (5 Oxys+Lead Scav.)	1	VOA w/ HCl	☐	12/6/2013 13:25	5 days	Present	☐	
1312263-006D	EW-3	Water	E218.6 (Hexachrome)	1	125mL HDPE w/ NaB4 / Na2CO3 / KHCO3	☐	12/6/2013 13:25	5 days	Present	☐	
1312263-007A	EW-3B	Water	SW8021B/8015Bm (G/MBTEX)	2	VOA w/ HCl	☐	12/6/2013 13:35	5 days	Present	☐	
1312263-007B	EW-3B	Water	SW8015B (Diesel)	2	VOA w/ HCl	☐	12/6/2013 13:35	5 days	Present	☐	
1312263-007C	EW-3B	Water	SW8260B (5 Oxys+Lead Scav.)	1	VOA w/ HCl	☐	12/6/2013 13:35	5 days	Present	☐	
1312263-007D	EW-3B	Water	E218.6 (Hexachrome)	1	125mL HDPE w/ NaB4 / Na2CO3 / KHCO3	☐	12/6/2013 13:35	5 days	Present	☐	
1312263-008A	MW-5A	Water	SW8021B/8015Bm (G/MBTEX)	3	VOA w/ HCl	☐	12/5/2013 13:30	5 days	Present	☐	
1312263-009A	MW-5B	Water	SW8021B/8015Bm (G/MBTEX)	3	VOA w/ HCl	☐	12/5/2013 14:00	5 days	Present	☐	
1312263-010A	MW-7C	Water	SW8021B/8015Bm (G/MBTEX)	3	VOA w/ HCl	☐	12/6/2013 10:45	5 days	Present	☐	
1312263-011A	MW-8A	Water	SW8021B/8015Bm (G/MBTEX)	3	VOA w/ HCl	☐	12/5/2013 15:00	5 days	Present	☐	
1312263-012A	MW-8B	Water	SW8021B/8015Bm (G/MBTEX)	3	VOA w/ HCl	☐	12/5/2013 14:30	5 days	Present	☐	

*** NOTE: STLC and TCLP extractions require 48 hrs to complete; therefore, all TATs begin after the extraction is completed (i.e., 24hr TAT yields results in 72 hrs from sample submission).**

Bottle Legend:

125mL HDPE w/ NaB4 / Na2CO3 / KHCO3 = 125mL HDPE Bottle w/ Borate-Hydroxide Buffer
VOA w/ HCl = 43mL VOA w/ HCl

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

WORK ORDER SUMMARY

Client Name: ALLTERRA ENVIRONMENTAL
Project: #160; 160 Holmes Street Livermore CA
Comments:

QC Level: LEVEL 2
Client Contact: Aaron Powers
Contact's Email: aaron@allterraenv.com; allterraenvironmental@yahoo.com

Work Order: 1312263
Date Received: 12/10/2013

☐ WaterTrax ☐ WriteOn ☑ EDF ☐ Excel ☐ Fax ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Lab ID	Client ID	Matrix	Test Name	Number of Containers	Bottle & Preservative	De-chlorinated	Collection Date & Time	TAT	Sediment Content	Hold	SubOut
1312263-013A	MW-9A	Water	SW8021B/8015Bm (G/MBTEX)	3	VOA w/ HCl	☐	12/6/2013 12:00	5 days	Present	☐	
1312263-014A	MW-9B	Water	SW8021B/8015Bm (G/MBTEX)	3	VOA w/ HCl	☐	12/6/2013 11:30	5 days	Present	☐	
1312263-015A	MW-6	Water	SW8021B/8015Bm (G/MBTEX)	3	VOA w/ HCl	☐	12/6/2013 11:45	5 days	Present	☐	

*** NOTE: STLC and TCLP extractions require 48 hrs to complete; therefore, all TATs begin after the extraction is completed (i.e., 24hr TAT yields results in 72 hrs from sample submission).**

Bottle Legend:

125mL HDPE w/ NaB4 / Na2CO3 / KHCO3 = 125mL HDPE Bottle w/ Borate-Hydroxide Buffer
VOA w/ HCl = 43mL VOA w/ HCl

1312263

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: 160
Project Location: 160 Holmes Street Livermore CA
Project Name:
Sampler Signature: [signature]

Field Point Name / Sample ID	Sample Collection: Date	Time	Sample Containers: Number of Containers	Container Type	Matrix: Air	Water	Soil	Sludge	Other	Preservation: Ice	HCl	HNO3	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)	pH, BOD, Fixed Dissolved Solids	Chloride, Solium, Boron, Sulfate	Nitrite, Nitrate, Total Kjeldahl Nitrogen, and Total Nitrogen (as N)	Priority Pollutants (Inorganics)	Perchlorate	Hexachrome	Total Haloacetic Acids	EDF required
MW-1A	12.6.13	1:50PM	6	(6) Various		x				x	x		x	x		x	x		x							x		x
MW-1B	12.6.13	2:00PM	6	(6) Various		x				x	x		x	x		~~x~~	~~x~~		~~x~~							~~x~~		x
MW-7A	12.6.13	2:30PM	6	(6) Various		x				x	x		x	x		x	x		x							x		x
MW-7B	12.6.13	11:20AM	6	(6) Various		x				x	x		x	x		x	x		x							x		x
EW-1	12.6.13	11:56AM	6	(6) Various		x				x	x		x	x		x	x		x							x		x
EW-3	12.6.13	1:25pm	6	(6) Various		x				x	x		x	x		x	x		x							x		x
EW-3B	12.6.13	1:35pm	6	(6) Various		x				x	x		x	x		x	x		x							x		x
MW-5A	12.5.13	1:30PM	3	VOA		x				x	x			x														x
MW-5B	12.5.13	2:00PM	3	VOA		x				x	x			x														x
MW-7C	12.6.13	10:45AM	3	VOA		x				x	x			x														x
MW-8A	12.5.13	3:00PM	3	VOA		x				x	x			x														x
MW-8B	12.5.13	2:30PM	3	VOA		x				x	x			x														x
MW-9A	12.6.13	12:00PM	3	VOA		x				x	x			x														x
MW-9B	12.6.13	11:30AM	3	VOA		x				x	x			x														x
MW-6	12.6.13	11:45AM	3	VOA		x				x	x			x														x
										x	x			x														x

Sampled By: Aaron Powers	Date: 12.6.13	Time:	Relinquished By: [signature]
Received By:	Date: 12/10/13	Time: 1030	Received By: [signature]
Received By:	Date:	Time:	Received By:

Comments:
3 VOAs collected for MW-1B just run TPHg/BTEX/MTBE

TEMP 2.3 ✓
GOOD CONDITION ✓
HEAD SPACE ABSENT ✓
DECHLORINATED IN LAB
APPROPRIATE CONTAINERS ✓
PRESERVED IN LAB
PRESERVATION VOAS ✓ | O&G | METALS | OTHER

REC'D SEALED & INTACT VIA OnTrac

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Toll Free Telephone: (877) 252-9262 / Fax: (925) 252-9269
http://www.mccampbell.com / E-mail: main@mccampbell.com

Sample Receipt Checklist

Client Name: **Allterra Environmental**
Date and Time Received: **12/10/2013 12:27:21 PM**
Project Name: **#160; 160 Holmes Street Livermore CA**
LogIn Reviewed by: Maria Venegas
WorkOrder N°: **1312263** Matrix: Water
Carrier: OnTrac

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 shipping 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: 2.3°C		NA ☐
Water - VOA vials have zero headspace / no bubbles?	Yes ☑	No ☐	NA ☐
Sample labels checked for correct preservation?	Yes ☑	No ☐	
Metal - pH acceptable upon receipt (pH<2)?	Yes ☐	No ☐	NA ☑
Samples Received on Ice?	Yes ☑	No ☐	

(Ice Type: WET ICE)

** NOTE: If the "No" box is checked, see comments below.*

Comments: