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February 22, 2012

Karel Detterman
Alameda County Env. Health Services
1131 Harbor Bay Parkway, Suite 250
Oakland, California 94502

Subject: Fuel Leak Case#RO0000346
Site Location: 3519 Castro Valley Boulevard, Castro Valley

Dear Ms. Detterman:

SOMA's "First Semi-Annual 2012 Groundwater Monitoring Report" for the subject site has been uploaded to the State's GeoTracker database and to the Alameda County ftp site for your review.

If you have any questions or comments, please do not hesitate to call me. Your time is greatly appreciated in reviewing our report.

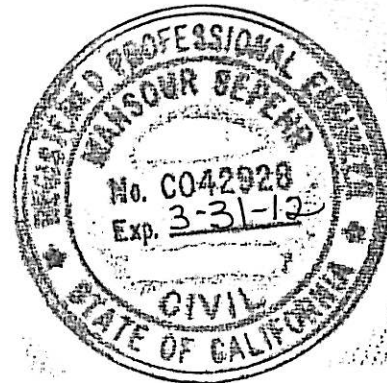
Sincerely,

A handwritten signature in black ink, appearing to read "Mansour Sepehr", written over a horizontal line.

Mansour Sepehr, Ph.D., PE
Principal Hydrogeologist

Enclosure

cc: Mr. Mirazim Shakoori w/enclosure



**First Semi-Annual 2012
Groundwater Monitoring Report**

**Castro Valley Chevron
3519 Castro Valley Boulevard
Castro Valley, California**

February 22, 2012

Project 2761

**Prepared for
Mr. Mirazim Shakoori
4313 Mansfield Drive
Danville, California 94506**



ENVIRONMENTAL ENGINEERING, INC.

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PERJURY STATEMENT

Site Location: 3519 Castro Valley Boulevard, Castro Valley, CA

"I declare under penalty of perjury, that the information and/or recommendations contained in the attached document or report is true and correct to the best of my knowledge".



Mirazim Shakoori
4313 Mansfield Drive
Danville, California 94506
Responsible Party

CERTIFICATION

SOMA Environmental Engineering, Inc. has prepared this report on behalf of Mr. Mirazim Shakoori, property owner of 3519 Castro Valley Boulevard, Castro Valley, California to comply with requirements of Alameda County Environmental Health Services for the First Semi-Annual 2012 groundwater monitoring event.



Mansour Sepehr, PhD, PE
Principal Hydrogeologist

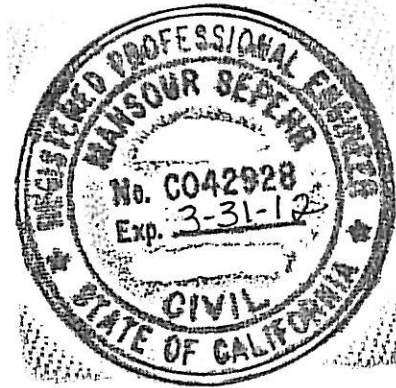


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January 18, 2012

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- Appendix B: Table of Elevations and Coordinates for Monitoring Wells and Field Measurements of Groundwater Sample Properties for First Semi-Annual 2012 Monitoring Event
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1. INTRODUCTION

1.1 Overview

SOMA Environmental Engineering, Inc. (SOMA) has prepared this report on behalf of Mr. Mirazim Shakoori, property owner of the former BP gasoline service station located at 3519 Castro Valley Boulevard, Castro Valley, California. The site is located in an area of primarily residential and commercial properties (Figure 1).

This report summarizes results of the First Semi-Annual 2012 groundwater monitoring event conducted at the site on January 18, 2012. Included are laboratory analytical results for groundwater samples and physical and chemical properties measured in the field for each groundwater sample including pH, temperature, and electrical conductivity (EC).

A joint monitoring event was conducted in coordination with the neighboring service station at 3459 Castro Valley Boulevard. However, this report does not include groundwater monitoring data and analytical results for the neighboring site as per correspondence from P&D Environmental Inc., dated September 24, 2008.

1.2 Summary of Field Activities and Laboratory Analysis

1.2.1 Field Activities

On January 18, 2012, ten on-site monitoring wells (five in Semi-Confined water-bearing zone [WBZ] including ESE-1R, ESE-2R, ESE-5R, MW-6R, SOMA-1; five in the Shallow WBZ including SOMA-5, SOMA-7, SOMA-8, OB-1, OB-2) and four off-site monitoring wells (two in the Semi-Confined WBZ including MW-7R, SOMA-4 and two in the Shallow WBZ including SOMA-2, SOMA-3) were measured for depth to groundwater. On January 18, 2012 additional field measurements and groundwater samples were collected from all monitoring wells. Figure 2 shows well locations.

Top of casing elevation data and depth to groundwater in each monitoring well were used to calculate groundwater elevation. The top of casing elevation was based on an elevation datum of 56.33 feet NAVD88. Appendix B includes survey data.

Activities were performed in accordance with general guidelines of California Regional Water Quality Control Board (CRWQCB) and Alameda County Environmental Health Services (ACEHS). Appendix A details standard procedures followed by SOMA during this monitoring event.

Purged groundwater from each well was temporarily stored on-site in two 55-gallon drums. On August 4, 2011, two drums generated during Second Semi-Annual 2011 groundwater monitoring event, were transported to an appropriate disposal facility. Appendix D includes the non-hazardous waste manifest for groundwater removal.

1.2.2 Laboratory Analysis

Torrent Laboratory, Inc., a California state-certified environmental laboratory, analyzed groundwater samples for the following: total petroleum hydrocarbons as gasoline (TPH-g); benzene, toluene, ethylbenzene, total xylenes (collectively termed BTEX); methyl tertiary-butyl ether (MtBE); gasoline oxygenates, and lead scavengers. All samples were analyzed using EPA Method 8260B.

2. RESULTS

Following are results of field measurements and laboratory analysis for the January 2012 groundwater monitoring event.

2.1 Field Measurements for Shallow WBZ wells

Table 1 presents calculated groundwater elevation and depth to groundwater in each monitoring well. Depths to groundwater ranged from 8.72 feet in OB-1 to 10.56 feet in SOMA-2. Groundwater elevations ranged from 166.67 feet in SOMA-3 to 171.28 feet in SOMA-8. Table 1 also presents historical groundwater elevations in monitoring wells.

The groundwater elevation contour map is displayed in Figure 3. Groundwater flows southeasterly in the Shallow WBZ at an approximate gradient of 0.015 feet/feet. Because most of the site wells are either new wells or reinstalled wells, SOMA will prepare a new rose diagram of groundwater flow direction once sufficient data is available.

Since the previous monitoring event (July 2011), the groundwater flow direction and the gradient have remained unchanged. Refer to Table 1 for detailed historical groundwater elevation trends.

2.2 Laboratory Analyses for Shallow WBZ Wells

Table 1 presents laboratory analytical results of groundwater samples for TPH-g, BTEX, and MtBE. Table 2 presents laboratory analytical results of groundwater samples for gasoline oxygenates and lead scavengers.

TPH-g was below the laboratory-reporting limit in groundwater samples from SOMA-2, SOMA-3, and SOMA-8. TPH-g was detected in concentrations ranging from 600 µg/L in SOMA-5 to 22,000 µg/L in OB-2. Figure 4 displays the contour map of TPH-g concentrations in groundwater. The highest TPH-g concentration was observed in the vicinity of the former UST cavity at OB-2. Since the previous monitoring event (July 2011), TPH-g increased in OB-1 and decreased in SOMA-5, SOMA-7 and OB-2.

The following BTEX analytes were observed during this monitoring event:

- In SOMA-2, SOMA-3, and SOMA-8, all BTEX analytes were below laboratory-reporting limits.
- Toluene and total xylenes were below laboratory-reporting limits in SOMA-5.
- Toluene was also below laboratory-reporting limit in OB-1. Other BTEX analytes were at low levels in this well.
- The highest BTEX concentrations were detected in OB-2 at 930 µg/L, 13 µg/L, 1,300 µg/L, and 2,100 µg/L, respectively.

Figure 5 displays the contour map of benzene concentrations in groundwater. As illustrated, the highest benzene concentration was observed in the vicinity of the former UST cavity at OB-2. Since the previous monitoring event (July 2011), benzene increased in OB-1 and decreased in SOMA-5, SOMA-7, and OB-2.

MtBE was below the laboratory-reporting limit in SOMA-2, SOMA-7, SOMA-8, and OB-2. Detectable MtBE concentrations ranged from 6.5 µg/L in SOMA-5 to 24 µg/L in SOMA-3. Figure 6 displays the contour map of MtBE concentrations in groundwater. Since the previous monitoring event (July 2011), MtBE increased in SOMA-3 and OB-1 and decreased in SOMA-5, SOMA-7, and OB-2.

The following gasoline oxygenate and lead scavenger analytes were observed during this monitoring event.

- Isopropyl ether (DIPE), ethyl tertiary-butyl ether (ETBE), tertiary-amyl methyl ether (TAME), ethanol, 1,2-dichloroethane (1,2-DCA), and 1,2-dibromoethane (EDB) were below laboratory-reporting limits in all groundwater samples.
- Tertiary-butyl alcohol (TBA) was detected in SOMA-5 and OB-2 at 11 µg/L and 94 µg/L, respectively. It was below the laboratory-reporting limit in other groundwater samples. Figure 7 displays the map showing TBA concentrations in groundwater. Since the previous monitoring event (July 2011), TBA decreased in OB-2.

2.3 Field Measurements for Semi-Confined WBZ Wells

Table 1 presents calculated groundwater elevation and depth to groundwater in each monitoring well. Depths to groundwater ranged from 8.84 feet in ESE-5R to 10.92 feet in ESE-2R. Groundwater elevations ranged from 167.33 feet in SOMA-4 to 171.26 feet in MW-6R. Table 1 also presents historical groundwater elevations in monitoring wells.

The groundwater elevation contour map is displayed in Figure 8. Groundwater flows southerly across the site at an approximate gradient of 0.013 feet/foot.

Since the previous monitoring event (July 2011), the groundwater flow direction has changed from southeasterly to southerly and the gradient has remained unchanged. Refer to Table 1 for detailed historical groundwater elevation trends.

2.4 Laboratory Analyses for Semi-Confined WBZ Wells

Table 1 presents laboratory analytical results of groundwater samples for TPH-g, BTEX, and MtBE. Table 2 presents laboratory analytical results of groundwater samples for gasoline oxygenates and lead scavengers.

TPH-g was below the laboratory-reporting limit in groundwater samples from the Semi-Confined WBZ except at wells ESE-1R, ESE-5R, and SOMA-1 where TPH-g was detected at 1,800 µg/L, 68 µg/L, and 77 µg/L, respectively. Figure 9 displays the contour map of TPH-g concentrations in groundwater. The highest TPH-g was observed to the southwest of the former UST cavity around ESE-1R. Since the previous monitoring event (July 2011), TPH-g has increased in ESE-1R and SOMA-1, decreased slightly in ESE-5R and SOMA-4, and remained below the laboratory-reporting limit in other wells.

The following BTEX analytes were observed during this monitoring event:

- Benzene, ethylbenzene, and total xylenes were detected in ESE-1R at 18 µg/L, 11 µg/L, and 3.53 µg/L, respectively. Toluene was below laboratory-reporting limit in this well.
- In all other Semi-Confined WBZ wells, BTEX analytes were below laboratory-reporting limits.

Figure 10 displays the map of benzene concentrations in groundwater. As illustrated, benzene has only minimally impacted groundwater in the Shallow WBZ. Since the previous monitoring event (July 2011), benzene has decreased in ESE-1R and SOMA-1.

MtBE was below the laboratory-reporting limit in MW-6R. Detectable MtBE concentrations ranged from 0.93 µg/L in MW-7R to 14 µg/L in ESE-1R. Figure 11

displays the contour map of MtBE concentrations in groundwater. Based on the concentrations observed in MW-7R and SOMA-4, the MtBE plume has migrated off-site. Since the previous monitoring event (July 2011), detectable MtBE concentrations slightly increased in ESE-5R and SOMA-4, and decreased in all other wells.

The following gasoline oxygenate and lead scavenger analytes were observed during this monitoring event.

- DIPE, ETBE, TAME, ethanol, 1,2-DCA, and EDB were below laboratory-reporting limits in all groundwater samples.
- TBA was detected in wells ESE-1R and SOMA-1 at 79 µg/L and 150 µg/L, respectively. It was below the laboratory-reporting limit in other wells.

Figure 10 displays the map showing TBA concentrations in groundwater. As illustrated, the highest TBA concentration was observed to the southeast of the former UST cavity at SOMA-1. Since the previous monitoring event (July 2011), TBA has decreased in ESE-1R and increased in SOMA-1.

Refer to Tables 1 and 2 for detailed historical concentration trends. Appendix C includes the laboratory report and chain of custody form for the First Semi-Annual 2012 monitoring event.

3. CONCLUSIONS AND RECOMMENDATIONS

3.1 Conclusions

Conclusions based on the First Semi-Annual 2012 groundwater monitoring event are summarized as follows:

- The groundwater flow direction was southeasterly in the Shallow WBZ and southerly in the Semi-Confined WBZ.
- In the Shallow WBZ, TPH-g, benzene, and TBA plumes appear to be centrally located in the southern section of the site in the vicinity of the former UST cavity, at OB-2. Highest MtBE concentrations were detected in the off-site well SOMA-3. Since the previous monitoring event (July 2011), all detectable contaminant concentrations have decreased in OB-2 and SOMA-7. High TPH-g and BTEX concentrations suggest that this WBZ is significantly impacted by petroleum hydrocarbons. Due to its high mobility and the south-to-southeasterly groundwater flow direction across the site from the former UST cavity, MtBE has migrated off-site.
- Within the Semi-Confined WBZ, TPH-g, benzene, and MtBE contamination is centered around the former UST cavity in the southern section of the site, around ESE-1R. However, since the previous

monitoring event (July 2011) TPH-g has increased while benzene, MtBE, and TBA have decreased in this well.

- In the northern section of the site, at MW-6R, all tested constituents were at non-detectable levels.

3.2 Recommendations

SOMA recommends the following:

- Conducting the next several monitoring events on a quarterly basis: Since Semi-Confined WBZ wells were just recently reconstructed and are no longer cross-screening the impacted shallow and deeper zones, at this time it is recommended to continue groundwater monitoring for several consecutive quarters to determine the concentration trends. In addition to standard monitoring, SOMA recommends evaluating pertinent natural attenuation indicators for this WBZ (e.g., DO, ORP, Fe^{+2} , NO_3^- , and SO_4^{-2}).
- Based on the recent feasibility study report dated September 22, 2011, SOMA recommends conducting soil gas study adjacent to the southern property boundary to the west and east of the station building. This study will be conducted to establish whether vapor intrusion is a complete exposure pathway. If this approach is approved, SOMA will prepare a workplan detailing the proposed soil vapor study.

Tables

Table 1
Historical Groundwater Elevations & Analytical Data
TPH-g, BTEX, MtBE
3519 Castro Valley Blvd, Castro Valley, CA

Monitoring Well	Date	Top of casing elevation ¹ (feet)	Depth to Groundwater (feet)	Groundwater Elevation (feet)	TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl benzene (µg/L)	Total Xylenes (µg/L)	MtBE (µg/L) 8260B
Semi-Confined WBZ Wells										
ESE-1	10/5/1992	177.69	11.22	166.47	2100	370	150	17	110	NA
	10/5/1992	177.69	NM	NM	2300	370	160	16	110	NA
	4/1/1993	177.69	8.79	168.90	5900	1500	410	110	390	NA
	6/29/1993	177.69	10.34	167.35	7600	2900	390	130	460	NA
	9/23/1993	177.69	10.91	166.78	2000	490	40	20	56	600
	9/23/1993	177.69	NM	NM	1500	420	39	19	56	550
	12/10/1993	177.69	9.93	167.76	1800	480	42	19	66	921
	12/10/1993	177.69	NM	NM	1500	380	38	17	55	770
	2/17/1994	177.69	9.64	168.05	1900	380	48	24	80	585
	2/17/1994	177.69	NM	NM	2200	430	42	19	65	491
	8/8/1994	177.69	11.72	165.97	2100	450	46	16	50	760
	10/12/1994	177.69	10.48	167.21	760	240	16	51	39	230
	1/19/1995	177.69	7.77	169.92	840	600	120	22	58	NA
	5/2/1995	177.69	8.69	169.00	2000	640	67	24	98	NA
	7/28/1995	177.69	10.12	167.57	190	<0.50	<0.50	<0.50	<1.0	NA
	11/17/1995	177.69	10.57	167.12	200	3.4	<1.0	1	<2.0	600
	2/7/1996	177.69	7.41	170.28	750	370	23	21	64	680
	4/23/1996	177.69	9.12	168.57	310	100	<1.0	<1.0	<1.0	1500
	7/9/1996	177.69	10.12	167.57	730	230	74	13	63	750
	10/10/1996	177.69	10.80	166.89	420	26	1.6	7.3	12	430
1/20/1997	177.69	10.52	167.17	660	290	4.2	13	36	450	
4/25/1997	177.69	9.77	167.92	410	<0.5	<1.0	<1.0	<1.0	580	
7/18/1997	177.69	10.55	167.14	420	<0.5	<1.0	<1.0	<1.0	370	
10/27/1997	177.69	10.36	167.33	300	56	<1.0	6.5	<1.0	220	

Table 1
Historical Groundwater Elevations & Analytical Data
TPH-g, BTEX, MtBE
3519 Castro Valley Blvd, Castro Valley, CA

Monitoring Well	Date	Top of casing elevation ¹ (feet)	Depth to Groundwater (feet)	Groundwater Elevation (feet)	TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl benzene (µg/L)	Total Xylenes (µg/L)	MtBE (µg/L) 8260B
ESE-1 cont.	1/22/1998	177.69	7.52	170.17	4200	440	9	15	17.7	1300
	4/23/1998	177.69	8.80	168.89	15000	3400	190	910	900	4900
	4/23/1998	177.69	NM	NM	15000	2800	140	730	730	4400
	7/29/1998	177.69	9.73	167.96	NA	NA	NA	NA	NA	NA
	7/30/1998	177.69	NM	NM	15000	<2.5	<5.0	<5.0	<5.0	15000
	12/17/1998	177.69	9.51	168.18	2400	73	1	2.8	4.6	2000
	3/19/1999	177.69	8.65	169.04	4700	58	<1.0	<1.0	<1.0	4700
	6/23/1999	177.69	10.51	167.18	600	170	<1.0	7.2	5	3900
	9/27/1999	177.69	10.32	167.37	920	200	<25	<25	<25	4900
	12/9/1999	177.69	10.24	167.45	460	130	1.2	5.2	1.5	5100
	3/9/2000	177.69	7.72	169.97	3000	1300	120	80	140	7300
	6/8/2000	177.69	9.40	168.29	2900	540	9.7	20	17	5200
	9/18/2000	177.69	10.05	167.64	890	3.4	<0.5	1.4	<0.5	2800
	12/14/2000	177.69	8.20	169.49	1600	11.1	<0.5	<0.5	<0.5	2730
	3/21/2001	177.69	9.75	167.94	5700	2.28	<0.5	0.51	<1.5	6810
	6/18/2001	177.69	10.21	167.48	2000	152	0.669	3.62	2.34	1980
	9/18/2001	177.69	10.30	167.39	2500	57.1	<5.0	6.25	<15	2090
	12/13/2001	177.69	9.82	167.87	2800	208	6.05	8.54	9.66	2030
	3/14/2002	177.69	9.10	168.59	1800	140	6.31	4.5	9.41	1970
	6/19/2002	177.69	9.92	167.77	1100	220	2.02	4.23	3.8	1280
	9/10/2002	177.69	10.21	167.48	490	39	2.9	<2.0	4.9	670
	12/16/2002	177.69	8.56	169.13	730	140	6	3.2	9.1	670
	3/11/2003	177.69	9.40	168.29	1700	490	21	22	41	530
	6/17/2003	177.69	9.86	167.83	1300	140	<10	<10	<10	480
	12/9/2003	177.69	9.32	168.37	1400	390	12	14	26.1	260
	2/26/2004	177.69	7.71	169.98	3200	880	50	44	89	200
	5/21/2004	177.69	10.19	167.50	1500	370	10	14	25.2	140
8/10/2004	180.24	10.41	169.83	460	390	7	8.1	15.4	110	
10/19/2004	180.24	10.40	169.84	1600	490	13	12	25.3	110	

Table 1
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3519 Castro Valley Blvd, Castro Valley, CA

Monitoring Well	Date	Top of casing elevation ¹ (feet)	Depth to Groundwater (feet)	Groundwater Elevation (feet)	TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl benzene (µg/L)	Total Xylenes (µg/L)	MtBE (µg/L) 8260B
ESE-1 cont.	1/14/2005	180.24	8.26	171.98	790 Z	420	26	19	52	91
	4/14/2005	180.24	8.77	171.47	3020	766	25.6	21.3	25.26	88.2
	7/7/2005	180.24	9.94	170.30	1940	440	15.5	15.7	21	80.6
	11/15/2005	180.24	10.21	170.03	1260	259	6.2	8.2	10.81	45.8
	2/8/2006	180.24	9.01	171.23	1430	332	13.6	18.1	25.03	43
	4/27/2006	180.24	9.14	171.10	1,600	519	23.2	32.4	40.20	63.4
	8/1/2006	180.24	9.92	170.32	1,530	395	11.8	25.4	28.01	40
	10/19/2006	180.24	10.34	169.90	1,230	327	10.2	21.6	21.19	29.6
	1/12/2007	180.24	9.84	170.40	561	153	7.18	14.4	14.95	30.9
	4/17/2007	180.24	9.78	170.46	467	192	7.59	13.8	16.42	30.4
	7/17/2007	180.24	9.82	170.42	755	271	8.6	17.8	22.06	26.7
	10/16/2007	180.24	8.99	171.25	164	80.2	<2.0	5.24	2.47	16.6
	1/17/2008	180.24	9.35	170.89	70	10.8	<2.0	<0.5	<2.0	19.3
	4/17/2008	180.24	9.80	170.44	687	89.7	<2.0	4.01	5.30	8.79
	7/16/2008	180.24	10.17	170.07	1,400	223	3.88	12.6	17.88	18.1
	10/14/2008	180.24	10.86	169.38	540	95	2.7	7.7	18	15
	1/6/2009	180.24	10.10	170.14	500 ^Y	130	3	8.8	17.1	13
	4/6/2009	180.24	10.05	170.19	910 ^Y	230	2.4	11	12.1	17
	7/7/2009	180.24	10.42	169.82	850 ^Y	89	1.9	7.8	15.1	15
	1/27/2010	180.24	7.94	172.30	1,600	250	8.8	30	69	23
7/26/2010	180.24	9.95	170.29	1,000	96	1.2	4.2	6	17	
ESE-1R	8/30/2010	180.20	10.17	170.03	2,100	110	5.2	19	151	15
	11/16/2010	180.20	9.94	170.26	100	5.8	<0.5	1	<0.5	16
	2/15/2011	180.20	10.12	170.08	1,400	96	1.7	14	7.9	22
	7/19/2011	180.20	10.37	169.83	620	30	0.76	4.4	0.96	21
	1/18/2012	180.20	10.78	169.42	1,800 [†]	18	<0.19	11	3.53	14

Table 1
Historical Groundwater Elevations & Analytical Data
TPH-g, BTEX, MtBE
3519 Castro Valley Blvd, Castro Valley, CA

Monitoring Well	Date	Top of casing elevation ¹ (feet)	Depth to Groundwater (feet)	Groundwater Elevation (feet)	TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl benzene (µg/L)	Total Xylenes (µg/L)	MtBE (µg/L) 8260B
ESE-2	10/5/1992	178.23	11.68	166.55	300	5.4	16	3.9	45	NA
	4/1/1993	178.23	9.17	169.06	240	27	<0.5	17	2.6	123
	6/29/1993	178.23	10.88	167.35	1,700	260	24	110	23	NA
	6/29/1993	178.23	NM	NM	1,300	240	17	110	25	NA
	9/23/1993	178.23	11.56	166.67	240	3.1	0.5	0.6	2.5	643
	12/10/1993	178.23	10.48	167.75	250	2.4	2.4	1.5	11	940
	2/17/1994	178.23	10.06	168.17	900	<0.5	<0.5	<0.5	<0.5	930
	8/8/1994	178.23	11.11	167.12	750	<0.5	<0.5	<0.5	<0.5	1400
	10/12/1994	178.23	11.31	166.92	1,700	<0.5	<0.5	<0.5	<0.5	3000
	1/19/1995	178.23	8.25	169.98	300	2	0.9	0.7	1	NA
	5/2/1995	178.23	9.21	169.02	1,200	4	<2.5	<2.5	<5	NA
	7/28/1995	178.23	10.64	167.59	2,000	<2.5	<2.5	<2.5	<5	NA
	11/17/1995	178.23	11.13	167.10	3,600	<25	<25	<25	<50	12000
	11/17/1995	178.23	NM	NM	3,400	<25	<25	<25	<50	12000
	2/7/1996	178.23	7.94	170.29	450	<0.5	<1	<1	<1	2300
	4/23/1996	178.23	9.73	168.50	260	0.9	<1	<1	<1	8600
	7/9/1996	178.23	10.70	167.53	780	<2.5	<5	<5	<5	13393
	10/10/1996	178.23	11.39	166.84	2,900	<0.5	<1	<1	<1	12000
	1/20/1997	178.23	9.04	169.19	<250	<2.5	<5	<5	<5	13000
	4/25/1997	178.23	10.31	167.92	2,700	<0.5	<1	<1	<1	15000
	7/18/1997	178.23	11.02	167.21	11,000	<5	<10	<10	<10	11000
	10/27/1997	178.23	10.93	167.30	6,100	<2.5	<5.0	<5.0	<5.0	7100
	10/27/1997	178.23	NM	NM	6,600	<2.5	<5.0	<5.0	<5.0	7400
	1/22/1998	178.23	7.93	170.30	13,000	<0.5	<1	<1	<1	10000
	1/22/1998	178.23	NM	NM	13,000	<0.5	<1	<1	<1	10000
	4/23/1998	178.23	9.34	168.89	19,000	<5	<10	<10	<10	36000
7/29/1998	178.23	10.29	167.94	NA	NA	NA	NA	NA	NA	
7/30/1998	178.23	NM	NM	19,000	<5	<10	<10	<10	36000	
12/17/1998	178.23	10.20	168.03	12,000	<5	<5	<5	<5	13000	

Table 1
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TPH-g, BTEX, MtBE
3519 Castro Valley Blvd, Castro Valley, CA

Monitoring Well	Date	Top of casing elevation ¹ (feet)	Depth to Groundwater (feet)	Groundwater Elevation (feet)	TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl benzene (µg/L)	Total Xylenes (µg/L)	MtBE (µg/L) 8260B
ESE-2 cont	3/19/1999	178.23	9.02	169.21	18,000	160	<1	<1	<1	18000
	6/23/1999	178.23	9.99	168.24	280	<1	<1	<1	<1	16000
	9/27/1999	178.23	10.69	167.54	<500	<25	<25	<25	<25	12000
	12/9/1999	178.23	11.26	166.97	<50	<0.3	<0.3	<0.3	<0.6	12000
	3/9/2000	178.23	7.95	170.28	<50	1.6	<0.5	<0.5	<0.5	7900
	6/8/2000	178.23	9.66	168.57	1,600	<0.5	0.73	<0.5	2.2	9400
	12/14/2000	178.23	11.15	167.08	6,000	0.75	<0.5	<0.5	<0.5	11200
	3/21/2001	178.23	10.35	167.88	6,900	786	45.7	37.7	71.5	3790
	6/18/2001	178.23	11.24	166.99	6,400	<2.5	<2.5	<2.5	<7.5	9320
	9/18/2001	178.23	11.35	166.88	4,800	<12.5	<12.5	<12.5	<37.5	6960
	12/13/2001	178.23	10.97	167.26	59,000	0.592	<0.5	<0.5	<1	5940
	3/14/2002	178.23	10.13	168.10	4,500	76	<0.5	<0.5	<1	6660
	6/19/2002	178.23	10.91	167.32	250	<12.5	<12.5	<12.5	<25	4900
	9/10/2002	178.23	10.82	167.41	1,500	<5	<5	<5	6.3	3100
	12/16/2002	178.23	7.87	170.36	1,400	<5	<5	<5	<5	2400
	3/11/2003	178.23	10.24	167.99	2,800	<10	<10	<10	<10	4800
	6/17/2003	178.23	10.19	168.04	10,000	<100	<100	<100	<100	4400
	12/9/2003	178.23	9.97	168.26	<50	<0.5	<0.5	<0.5	<0.5	3400
	2/26/2004	178.23	7.89	170.34	<50	<0.5	<0.5	<0.5	<0.5	3000
	5/21/2004	178.23	10.70	167.53	<50	<0.5	<0.5	<0.5	<0.5	1100
	8/10/2004	180.79	10.99	169.80	<50	<0.5	<0.5	<0.5	<0.5	550
	10/19/2004	180.79	10.46	170.33	<50	<0.5	<0.5	<0.5	<0.5	410
	1/14/2005	180.79	8.66	172.13	<50	<8.3	<8.3	<8.3	<8.3	1200
	4/14/2005	180.79	9.38	171.41	<860	<2.15	<2.15	<2.15	<4.30	1020
	7/7/2005	180.79	10.46	170.33	<860	<2.15	<8.60	<2.15	<4.30	378
	11/15/2005	180.79	10.55	170.24	<50	<0.5	<2.0	<0.5	<1.0	210
	2/8/2006	180.79	9.46	171.33	<215	<2.15	<8.6	<2.15	<4.3	419
	4/27/2006	180.79	10.67	170.12	<100	1.71	<4.0	<1.0	<2.0	432
8/1/2006	180.79	10.29	170.50	<100	2.83	<4.0	<1.0	<2.0	222	
10/19/2006	180.79	10.65	170.14	<50	0.8	<2.0	<0.5	<1.0	221	

Table 1
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TPH-g, BTEX, MtBE
3519 Castro Valley Blvd, Castro Valley, CA

Monitoring Well	Date	Top of casing elevation ¹ (feet)	Depth to Groundwater (feet)	Groundwater Elevation (feet)	TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl benzene (µg/L)	Total Xylenes (µg/L)	MtBE (µg/L) 8260B
ESE-2 cont	1/12/2007	180.79	NM	NM	NA	NA	NA	NA	NA	NA
	4/17/2007	180.79	10.20	170.59	<50	3.17	<2.0	4.49	<2.0	158
	7/17/2007	180.79	10.31	170.48	<50	1.65	<2.0	<0.5	<2.0	105
	10/16/2007	180.79	9.22	171.57	<50	5.67	<2.0	<0.5	<2.0	73.9
	1/17/2008	180.79	9.88	170.91	<50.0	<0.50	<2.0	<0.50	<2.0	80.2
	4/17/2008	180.79	10.29	170.50	<50	<0.5	<2.0	<0.5	<2.0	45
	7/16/2008	180.79	10.64	170.15	<50	<0.5	<2.0	<0.5	<2.0	54
	10/14/2008	180.79	11.41	169.38	<50	<0.5	<0.5	<0.5	<0.5	41
	1/6/2009	180.79	10.60	170.19	<50	<0.5	<0.5	<0.5	<0.5	36
	4/6/2009	180.79	10.62	170.17	<50	<0.5	<0.5	<0.5	<0.5	30
	7/7/2009	180.79	10.92	169.87	<50	2.4	<0.5	<0.5	<0.5	32
	1/27/2010	180.79	8.36	172.43	<50	<0.5	<0.5	<0.5	<0.5	26
	7/26/2010	180.79	10.44	170.35	<50	<0.5	<0.5	<0.5	<0.5	13
	ESE-2R	8/30/2010	180.7	10.61	170.09	200	0.93	<0.5	1.3	13.5
11/16/2010		180.7	10.33	170.37	<50	<0.5	<0.5	<0.5	<0.5	18
2/14/2011		180.70	10.50	170.20	<50	<0.5	<0.5	<0.5	<0.5	12
7/19/2011		180.70	10.62	170.08	<50	<0.5	<0.5	<0.5	<0.5	8.3
1/18/2012		180.70	10.92	169.78	<22	<0.33	<0.19	<0.15	<0.20	1.1
ESE-3	10/5/1992	178.20	10.58	167.62	430	57	31	3.6	34	NA
	4/1/1993	178.20	8.14	170.06	2400	460	220	74	210	NA
	6/29/1993	178.20	9.72	168.48	280	56	14	15	13	NA
	9/23/1993	178.20	10.46	167.74	72	13	3.5	1.7	4.1	NA
	12/10/1993	178.20	9.30	168.90	270	71	32	6.1	33	NA
	2/17/1994	178.20	8.97	169.23	520	140	10	20	33	5.74
	8/8/1994	178.20	10.02	168.18	<50	8.8	1.6	1.6	2.3	<5.0
	10/12/1994	178.20	10.32	167.88	470	190	6.4	15	18	<5.0
	1/19/1995	178.20	7.40	170.80	330	260	27	21	20	NA
	5/2/1995	178.20	8.26	169.94	530	180	30	23	44	NA
	7/28/1995	178.20	9.54	168.66	<50	<0.50	<0.50	<0.50	<1	NA
11/17/1995	178.20	10.04	168.16	<50	1.7	<0.50	<0.50	<1	<5.0	

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Monitoring Well	Date	Top of casing elevation ¹ (feet)	Depth to Groundwater (feet)	Groundwater Elevation (feet)	TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl benzene (µg/L)	Total Xylenes (µg/L)	MtBE (µg/L) 8260B
ESE-3 cont.	2/7/1996	178.20	7.08	171.12	<50	8.6	<1	<1	<1	<10
	4/1/2396	178.20	8.79	169.41	<50	7.6	<1	<1	<1	65
	7/9/1996	178.20	10.09	168.11	<50	12	2.6	2	3.9	26
	10/10/1996	178.20	10.48	167.72	NA	NA	NA	NA	NA	NA
	10/11/1996	178.20	NM	NM	260	140	<1	<1	2.6	<10
	1/20/1997	178.20	8.65	169.55	<50	1.5	1.7	<1	<1	14
	4/25/1997	178.20	10.02	168.18	<50	<0.5	<1	<1	<1	14
	7/18/1997	178.20	10.66	167.54	10000	1400	1400	300	1280	<250
	10/27/1997	178.20	9.83	168.37	<250	<2.5	<5.0	<5.0	36	<50
	1/22/1998	178.20	7.06	171.14	130	<0.5	<1.0	<1.0	<1.0	120
	4/23/1998	178.20	8.44	169.76	4800	560	<10	15	<10	4000
	7/29/1998	178.20	9.27	168.93	NA	NA	NA	NA	NA	NA
	7/30/1998	178.20	NM	NM	1800	6.2	<5.0	<5.0	<5.0	1700
	12/17/1998	178.20	9.15	169.05	600	54	<1.0	2.1	4.9	340/480
	3/19/1999	178.20	8.14	170.06	2000	260	4.4	13	28	870
	6/23/1999	178.20	9.44	168.76	290	91	<1.0	8.3	16	240
	9/27/1999	178.20	9.69	168.51	130	35	<1.0	2.7	3.8	100
	12/9/1999	178.20	10.99	167.21	380	84	1.7	8.7	6.3	160
	3/9/2000	178.20	7.12	171.08	950	190	4.6	39	62	350
	6/8/2000	178.20	10.92	167.28	300	37	<0.5	2.3	1.3	400
	9/18/2000	178.20	11.12	167.08	920	140	1.3	15	4.8	170
	12/14/2000	178.20	9.70	168.50	320	64	<0.5	6.24	1.76	201
	3/21/2001	178.20	10.07	168.13	680	80.5	0.546	21.1	18.2	398
	6/18/2001	178.20	11.42	166.78	380	47	<0.5	3.11	<1.5	242
	9/18/2001	178.20	11.55	166.65	340	54.8	<0.5	4.36	<1.5	79.7
	12/13/2001	178.20	10.12	168.08	270	31.4	<0.5	1.31	2.24	129
3/14/2002	178.20	9.84	168.36	670	89.8	0.769	23.4	30.4	413	
6/19/2002	178.20	10.57	167.63	130	18.6	<0.5	<0.5	<1	166	
9/10/2002	178.20	9.90	168.30	88	12	<0.5	<0.5	<0.5	93	
12/16/2002	178.20	9.23	168.97	290	55	17	3.7	14	78	

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TPH-g, BTEX, MtBE
3519 Castro Valley Blvd, Castro Valley, CA

Monitoring Well	Date	Top of casing elevation ¹ (feet)	Depth to Groundwater (feet)	Groundwater Elevation (feet)	TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl benzene (µg/L)	Total Xylenes (µg/L)	MtBE (µg/L) 8260B
ESE-3 cont.	3/11/2003	178.20	9.05	169.15	100	3.4	<0.5	0.54	<0.50	140
	6/17/2003	178.20	9.30	168.90	520	17	<5	5.3	<5	130
ESE-4	10/5/1992	177.73	10.33	167.40	98	7.2	1.3	1.1	6.1	NA
	4/1/1993	177.73	7.88	169.85	550	93	20	23	33	NA
	6/29/1993	177.66	8.33	169.33	150	23	0.6	5.4	0.5	54
	9/23/1993	177.66	10.05	167.61	110	14	1.7	3.2	4.6	NA
	12/10/1993	177.66	8.95	168.71	110	21	7.2	4.2	10	28.75
	2/17/1994	177.66	8.65	169.01	210	26	1.2	4.7	11	113
	8/8/1994	177.66	9.76	167.90	76	9.6	<0.5	2	<0.5	62
	10/12/1994	177.66	9.62	168.04	<50	<0.5	<0.5	<0.5	<0.5	44
	1/19/1995	177.66	6.97	170.69	140	56	14	24	23	NA
	5/2/1995	177.66	7.85	169.81	130	21	2.8	8.6	8.2	NA
	7/28/1995	177.66	9.20	168.46	<50	<0.5	<0.5	<0.5	<1	NA
	11/17/1995	177.66	9.68	167.98	<50	<0.5	0.6	<0.5	<1	18
	2/7/1996	177.66	6.59	171.07	100	2.6	<1	1.6	4.1	42
	4/23/1996	177.66	8.30	169.36	160	37	15	16	31	43
	7/9/1996	177.66	9.21	168.45	60	17	1.5	6.8	11.6	27
	10/10/1996	177.66	9.97	167.69	NA	NA	NA	NA	NA	NA
	10/11/1996	177.66	NM	NM	<50	<0.5	<1.0	<1.0	<1.0	18
	1/20/1997	177.66	7.68	169.98	<50	<0.5	<1.0	<1.0	<1.0	130
	4/25/1997	177.66	9.15	168.51	<250	<2.5	<5.0	<5.0	<5.0	<50
	7/18/1997	177.66	9.71	167.95	<50	15	<10	<10	<10	<100
10/27/1997	177.66	9.38	168.28	<250	<2.5	<5.0	<5.0	<5.0	<50	
1/22/1998	177.66	6.59	171.07	<50	<0.5	<1.0	<1.0	<1.0	<10	
4/23/1998	177.66	7.90	169.76	<250	<2.5	<5.0	<5.0	<5.0	<50	
7/29/1998	177.66	8.96	168.70	NA	NA	NA	NA	NA	NA	
7/30/1998	177.66	NM	NM	<50	<0.5	<1.0	<1.0	<1.0	<10	
12/17/1998	177.66	8.32	169.34	NA	NA	NA	NA	NA	NA	

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TPH-g, BTEX, MtBE
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Monitoring Well	Date	Top of casing elevation ¹ (feet)	Depth to Groundwater (feet)	Groundwater Elevation (feet)	TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl benzene (µg/L)	Total Xylenes (µg/L)	MtBE (µg/L) 8260B
ESE-4 cont.	3/19/1999	177.66	7.71	169.95	NA	NA	NA	NA	NA	NA
	6/23/1999	177.66	8.78	168.88	NA	NA	NA	NA	NA	NA
	9/27/1999	177.66	9.27	168.39	NA	NA	NA	NA	NA	NA
	12/9/1999	177.66	9.21	168.45	NA	NA	NA	NA	NA	NA
	3/9/2000	177.66	6.82	170.84	NA	NA	NA	NA	NA	NA
	6/8/2000	177.66	8.72	168.94	NA	NA	NA	NA	NA	NA
	9/18/2000	177.66	8.72	168.94	NA	NA	NA	NA	NA	NA
	12/14/2000	177.66	8.61	169.05	NA	NA	NA	NA	NA	NA
	3/21/2001	177.66	8.61	169.05	NA	NA	NA	NA	NA	NA
	6/18/2001	177.66	9.24	168.42	NA	NA	NA	NA	NA	NA
	9/18/2001	177.66	9.35	168.31	NA	NA	NA	NA	NA	NA
	12/13/2001	177.66	8.53	169.13	NA	NA	NA	NA	NA	NA
	3/14/2002	177.66	8.44	169.22	NA	NA	NA	NA	NA	NA
	6/19/2002	177.66	10.97	166.69	NA	NA	NA	NA	NA	NA
	9/10/2002	177.66	9.27	168.39	NA	NA	NA	NA	NA	NA
	12/16/2002	177.66	6.90	170.76	NA	NA	NA	NA	NA	NA
	3/11/2003	177.66	8.83	168.83	NA	NA	NA	NA	NA	NA
6/17/2003	177.66	8.84	168.82	NA	NA	NA	NA	NA	NA	
ESE-5	10/5/1992	176.08	9.22	166.86	1300	200	3.8	1.2	18	NA
	4/1/1993	176.08	7.02	169.06	13000	2200	26	730	1000	NA
	4/1/1993	176.08	NM	NM	13000	2500	25	740	1100	NA
	6/29/1993	176.08	10.21	165.87	7600	1500	9.3	170	100	NA
	9/23/1993	176.08	10.64	165.44	560	19	1.2	0.9	1.8	NA
	12/10/1993	176.08	9.42	166.66	1700	300	3	76	110	14.07
	2/7/1994	176.08	9.35	166.73	3500	640	7.8	90	130	45.13
	8/8/1994	176.08	8.76	167.32	2600	210	4.6	9.4	4.4	33
	8/8/1994	176.08	NM	NM	2500	230	4.6	13	4.8	32
	10/12/1994	176.08	8.95	167.13	5600	560	9.5	75	21	79.2
10/12/1994	176.08	NM	NM	6000	550	10	78	22	77	

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3519 Castro Valley Blvd, Castro Valley, CA

Monitoring Well	Date	Top of casing elevation ¹ (feet)	Depth to Groundwater (feet)	Groundwater Elevation (feet)	TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl benzene (µg/L)	Total Xylenes (µg/L)	MtBE (µg/L) 8260B
ESE-5 cont	1/19/1995	176.08	5.40	170.68	1900	620	<5	95	15	NA
	1/19/1995	176.08	NM	NM	1600	620	<5	93	17	NA
	5/2/1995	176.08	6.48	169.60	5700	1100	<10	180	58	NA
	5/2/1995	176.08	NM	NM	5300	1100	<10	180	58	NA
	7/28/1995	176.08	7.97	168.11	520	15	<0.50	1.7	1.3	NA
	7/28/1995	176.08	NM	NM	460	7.2	<0.50	1.9	1.5	NA
	11/17/1995	176.08	8.39	167.69	850	39	1.8	7.6	2.7	24
	2/7/1996	176.08	4.71	171.37	4100	670	6	190	140	<50
	4/23/1996	176.08	7.35	168.73	3000	570	<5	79	100	84
	7/9/1996	176.08	9.40	166.68	620	150	1.7	9.3	6.4	25
	10/10/1996	176.08	9.04	167.04	1100	29	<5	<5	<5	<50
	10/10/1996	176.08	NM	NM	1100	31	<5	<5	<5	<50
	1/20/1997	176.08	5.82	170.26	2100	980	<25	280	80	<250
	1/20/1997	176.08	NM	NM	2700	910	8.8	280	84	180
	4/25/1997	176.08	7.24	168.84	NA	NA	NA	NA	NA	NA
	4/28/1997	176.08	NM	NM	<250	7.9	<5.0	<5.0	<5.0	<50
	7/18/1997	176.08	7.86	168.22	1200	<5	<10	<10	<10	<100
	7/18/1997	176.08	NM	NM	630	31	<5.0	<5.0	<5.0	130
	10/27/1997	176.08	7.91	168.17	<250	5.4	<5.0	<5.0	<5.0	<50
	1/22/1998	176.08	4.64	171.44	170	7.7	<1.0	<1.0	<1.0	130
	4/23/1998	176.08	6.31	169.77	720	79	<5.0	9	<5.0	180
	7/29/1998	176.08	7.43	168.65	NA	NA	NA	NA	NA	NA
	7/30/1998	176.08	NM	NM	840	9.8	<1.0	4	<1.0	710
	12/17/1998	176.08	7.05	169.03	NA	NA	NA	NA	NA	NA
	3/19/1999	176.08	5.00	171.08	<250	<5.0	<5.0	<5.0	<5.0	<5.0
	6/23/1999	176.08	7.77	168.31	NA	NA	NA	NA	NA	NA
	9/27/1999	176.08	8.11	167.97	450	10	<5.0	6.3	<5.0	220
12/9/1999	176.08	7.66	168.42	NA	NA	NA	NA	NA	NA	

Table 1
Historical Groundwater Elevations & Analytical Data
TPH-g, BTEX, MtBE
3519 Castro Valley Blvd, Castro Valley, CA

Monitoring Well	Date	Top of casing elevation ¹ (feet)	Depth to Groundwater (feet)	Groundwater Elevation (feet)	TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl benzene (µg/L)	Total Xylenes (µg/L)	MtBE (µg/L) 8260B
ESE-5 cont.	3/9/2000	176.08	5.08	171.00	1700	170	2.5	45	6.4	140
	6/8/2000	176.08	7.36	168.72	NA	NA	NA	NA	NA	NA
	9/18/2000	176.08	7.71	168.37	130	0.65	<0.50	0.71	<0.50	51
	12/14/2000	176.08	2.36	173.72	NA	NA	NA	NA	NA	NA
	3/21/2001	176.08	7.42	168.66	1000	10.3	<2.5	11	<7.5	70.8
	6/18/2001	176.08	7.92	168.16	NA	NA	NA	NA	NA	NA
	9/18/2001	176.26	8.23	168.03	200	0.868	<0.50	0.55	<1.5	57.5
	12/13/2001	176.26	7.80	168.46	NA	NA	NA	NA	NA	NA
	3/14/2002	176.26	6.55	169.71	1300	17.1	1.35	15.4	1.42	37.4
	6/19/2002	176.26	7.83	168.43	NA	NA	NA	NA	NA	NA
	9/10/2002	176.26	8.22	168.04	680	9.9	<5.0	<5.0	<5.0	44
	12/16/2002	176.26	6.58	169.68	NA	NA	NA	NA	NA	NA
	3/11/2003	176.26	6.77	169.49	2100	14	<2.5	15	3	80
	6/17/2003	176.26	6.75	169.51	NA	NA	NA	NA	NA	NA
	9/17/2003	176.26	8.48	167.78	970	10 C	<0.5	<0.5	5.3	34
	12/9/2003	176.26	7.32	168.94	700	6.5	<0.5	3.1	2.7 C	34
	2/26/2004	176.26	5.21	171.05	2400 H	41	2.8 C	18	2.4 C	29
	5/21/2004	176.26	7.50	168.76	1500	2.6 C	<0.5	2.1 C	2.1 C	25
	8/10/2004	178.80	8.28	170.52	680	<0.5	<0.5	<0.5	<0.5	33
	10/19/2004	178.80	8.26	170.54	380	<0.5	<0.5	<0.5	1.4	39
	1/14/2005	178.80	5.16	173.64	2400	18	1.4	22	2.1	26
	4/14/2005	178.80	6.13	172.67	4800	7.75	1.26	14.3	<1.0	23.1
	7/7/2005	178.80	7.52	171.28	3240	0.78	<2.0	1.18	<1.0	36.6
	11/15/2005	178.80	7.85	170.95	1190	0.51	<2.0	<0.5	<1.0	30
	2/8/2006	178.80	5.83	172.97	2510	1.91	<2.0	2.82	<1.0	20.7
	4/27/2006	178.80	5.71	173.09	4,700	2.76	<2.0	4.77	<1.0	28.3
	8/1/2006	178.80	7.71	171.09	1,890	0.7	<2.0	0.75	<1.0	24.7
	10/19/2006	178.80	8.00	170.80	474	<0.5	<2.0	3.39	<1.0	29
	1/12/2007	178.80	7.41	171.39	868	2.18	<2.0	2.66	<2.0	16.3
	4/17/2007	178.80	7.51	171.29	1,240	10.2	<2.0	10.4	2.37	17.2
7/17/2007	178.80	7.47	171.33	836	3.1	<2.0	4.91	2.35	25.8	
10/16/2007	178.80	6.26	172.54	2,120	2.5	<2.0	6.19	2.61	17.5	

Table 1
Historical Groundwater Elevations & Analytical Data
TPH-g, BTEX, MtBE
3519 Castro Valley Blvd, Castro Valley, CA

Monitoring Well	Date	Top of casing elevation ¹ (feet)	Depth to Groundwater (feet)	Groundwater Elevation (feet)	TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl benzene (µg/L)	Total Xylenes (µg/L)	MtBE (µg/L) 8260B
ESE-5 cont.	1/17/2008	178.80	6.59	172.21	2,730	5.74	<2.0	14.3	<2.0	13.1
	4/17/2008	178.80	6.81	171.99	2,770	4.7	<2.0	15.9	<2.0	<0.5
	7/16/2008	178.80	7.76	171.04	2,160	0.9	<2.0	1.1	<2.0	6.28
	10/14/2008	178.80	8.40	170.40	1,300	<0.5	<0.5	0.6	<0.5	9.9
	1/6/2009	178.80	7.66	171.14	1,100 ^Y	0.61	<0.5	1.6	<0.5	8
	4/6/2009	178.80	7.79	171.01	1,900 ^Y	4.6	<0.5	9.3	0.59	5.3
	7/7/2009	178.80	7.84	170.96	2,700 ^Y	3.0	<0.5	2.3	<0.5	6.6
	1/27/2010	178.80	4.82	173.98	1,300 ^Y	0.76	<0.5	1.0	<0.5	3.5
	7/26/2010	178.80	7.01	171.79	1,800	0.75	<0.5	1.8	<0.5	2
	ESE-5R	8/30/2010	178.64	8.97	169.67	75	<0.5	<0.5	<0.5	<0.5
11/16/2010		178.64	10.46	168.18	74	<0.5	<0.5	<0.5	<0.5	12
2/15/2011		178.64	11.19	167.45	140	<0.5	<0.5	<0.5	<0.5	9.6
7/19/2011		178.64	7.92	170.72	140	<0.5	<0.5	<0.5	<0.5	6.7
1/18/2012		178.64	8.84	169.80	68^Y	<0.33	<0.19	<0.15	<0.2	7.3
MW-6	7/28/1995	179.24	10.00	169.24	<50	<0.50	<0.50	<0.50	<1.0	NA
	11/17/1995	179.24	10.44	168.80	<50	<0.50	<0.50	<0.50	<1.0	<5.0
	2/7/1996	179.24	7.68	171.56	<50	<0.5	<1.0	<1.0	<1.0	<10
	4/23/1996	179.24	9.33	169.91	<50	<0.5	<1.0	<1.0	<1.0	<10
	7/9/1996	179.24	10.10	169.14	<50	<0.5	<1.0	<1.0	<1.0	<10
	10/10/1996	179.24	11.00	168.24	<50	<0.5	<1.0	<1.0	<1.0	<10
	1/20/1997	179.24	8.70	170.54	<50	<0.5	<1.0	<1.0	<1.0	<10
	4/25/1997	179.24	10.16	169.08	<50	<0.5	<1.0	<1.0	<1.0	<10
	7/18/1997	179.24	10.66	168.58	<50	<0.5	<1.0	<1.0	<1.0	<10
	10/27/1997	179.24	10.25	168.99	<50	<0.5	<1.0	<1.0	<1.0	<10
	1/22/1998	179.24	7.76	171.48	<50	<0.5	<1.0	<1.0	<1.0	<10
	4/23/1998	179.24	9.10	170.14	<50	<0.5	<1.0	<1.0	<1.0	<10
	7/29/1998	179.24	10.40	168.84	NA	NA	NA	NA	NA	NA
	7/30/1998	179.24	NM	NM	<50	<0.5	<1.0	<1.0	<1.0	<10
	12/17/1998	179.24	9.40	169.84	NA	NA	NA	NA	NA	NA

Table 1
Historical Groundwater Elevations & Analytical Data
TPH-g, BTEX, MtBE
3519 Castro Valley Blvd, Castro Valley, CA

Monitoring Well	Date	Top of casing elevation ¹ (feet)	Depth to Groundwater (feet)	Groundwater Elevation (feet)	TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl benzene (µg/L)	Total Xylenes (µg/L)	MtBE (µg/L) 8260B
MW-6 cont.	3/19/1999	179.24	9.10	170.14	NA	NA	NA	NA	NA	NA
	6/23/1999	179.24	9.79	169.45	NA	NA	NA	NA	NA	NA
	9/27/1999	179.24	10.10	169.14	NA	NA	NA	NA	NA	NA
	12/9/1999	179.24	9.97	169.27	NA	NA	NA	NA	NA	NA
	3/9/2000	179.24	8.56	170.68	NA	NA	NA	NA	NA	NA
	6/8/2000	179.24	9.11	170.13	NA	NA	NA	NA	NA	NA
	9/18/2000	179.24	9.77	169.47	NA	NA	NA	NA	NA	NA
	12/14/2000	179.24	9.17	170.07	NA	NA	NA	NA	NA	NA
	3/21/2001	179.24	9.82	169.42	NA	NA	NA	NA	NA	NA
	6/18/2001	179.24	10.19	169.05	NA	NA	NA	NA	NA	NA
	9/18/2001	179.24	10.25	168.99	NA	NA	NA	NA	NA	NA
	12/13/2001	179.24	9.75	169.49	NA	NA	NA	NA	NA	NA
	3/14/2002	179.24	9.53	169.71	NA	NA	NA	NA	NA	NA
	6/19/2002	179.24	9.87	169.37	NA	NA	NA	NA	NA	NA
	9/10/2002	179.24	9.49	169.75	NA	NA	NA	NA	NA	NA
	12/16/2002	179.24	8.39	170.85	NA	NA	NA	NA	NA	NA
	3/11/2003	179.24	9.40	169.84	NA	NA	NA	NA	NA	NA
	6/17/2003	179.24	9.71	169.53	NA	NA	NA	NA	NA	NA
	9/17/2003	179.24	10.21	169.03	<50	<0.5	<0.5	<0.5	<0.5	<2.0
	12/9/2003	179.24	9.66	169.58	<50	<0.5	<0.5	<0.5	<0.5	<0.5
	2/26/2004	179.24	7.83	171.41	<50	<0.5	<0.5	<0.5	<0.5	<0.5
	5/21/2004	179.24	9.75	169.49	<50	<0.5	<0.5	<0.5	<0.5	<0.5
	8/10/2004	181.80	10.28	171.52	<50	<0.5	<0.5	<0.5	<0.5	<0.5
	10/19/2004	181.80	9.91	171.89	<50	<0.5	<0.5	<0.5	<0.5	<0.5
	1/14/2005	181.80	8.40	173.40	<50	0.6	<0.5	<0.5	<0.5	<0.5
	4/14/2005	181.80	9.04	172.76	<200	<0.5	<0.5	<0.5	<1.0	<0.5
	7/7/2005	181.80	9.94	171.86	<200	<0.5	<2.00	<0.5	<1.00	<0.5
	11/15/2005	181.80	9.98	171.82	<50	<0.5	<2.0	<0.5	<1.0	<0.5
	2/8/2006	181.80	9.91	171.89	<50	<0.5	<2.0	<0.5	<1.0	<0.5
	4/27/2006	181.80	9.54	172.26	<50	<0.5	<2.0	<0.5	<1.0	<0.5
8/1/2006	181.80	9.61	172.19	<50	<0.5	<2.0	<0.5	<1.0	0.51	
10/19/2006	181.80	10.23	171.57	<50	<0.5	<2.0	<0.5	<1.0	0.63	

Table 1
Historical Groundwater Elevations & Analytical Data
TPH-g, BTEX, MtBE
3519 Castro Valley Blvd, Castro Valley, CA

Monitoring Well	Date	Top of casing elevation ¹ (feet)	Depth to Groundwater (feet)	Groundwater Elevation (feet)	TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl benzene (µg/L)	Total Xylenes (µg/L)	MtBE (µg/L) 8260B
MW-6 cont.	1/12/2007	181.80	10.13	171.67	<50	<0.5	<2.0	<0.5	<2.0	<0.5
	4/17/2007	181.80	10.22	171.58	<50	<0.5	<2.0	<0.5	<2.0	<0.5
	7/17/2007	181.80	9.76	172.04	<50	<0.5	<2.0	<0.5	<2.0	<0.5
	10/16/2007	181.80	9.82	171.98	<50	<0.5	<2.0	<0.5	<2.0	<0.5
	1/17/2008	181.80	9.43	172.37	<50	<0.50	<2.0	<0.50	<2.0	<0.5
	4/17/2008	181.80	9.54	172.26	<50	<0.5	<2.0	<0.5	<2.0	<0.5
	7/16/2008	181.80	9.80	172.00	<50	<0.5	<2.0	<0.5	<2.0	<0.5
	10/14/2008	181.80	10.48	171.32	<50	<0.5	<0.5	<0.5	<0.5	<0.5
	1/6/2009	181.80	10.01	171.79	<50	<0.5	<0.5	<0.5	<0.5	<0.5
	4/6/2009	181.80	10.15	171.65	<50	<0.5	<0.5	<0.5	<0.5	<0.5
	7/7/2009	181.80	10.28	171.52	<50	<0.5	<0.5	<0.5	<0.5	<0.5
	1/27/2010	181.80	8.28	173.52	<50	<0.5	<0.5	<0.5	<0.5	<0.5
	7/26/2010	181.80	9.64	172.16	<50	<0.5	<0.5	<0.5	<0.5	<0.5
MW-6R	8/30/2010	181.34	9.55	171.79	<50	<0.5	<0.5	<0.5	<0.5	<0.5
	11/15/2010	181.34	9.32	172.02	<50	<0.5	<0.5	<0.5	<0.5	<0.5
	2/14/2011	181.34	9.79	171.55	<50	<0.5	<0.5	<0.5	<0.5	<0.5
	7/19/2011	181.34	9.60	171.74	<50	<0.5	<0.5	<0.5	<0.5	<0.5
	1/18/2012	181.34	10.08	171.26	<22	<0.33	<0.19	<0.15	<0.2	<0.38
MW-7	7/28/1995	176.55	9.25	167.30	<50	0.54	0.54	<0.50	<1.0	NA
	11/17/1995	176.55	9.73	166.82	1100	<10	<10	<10	<20	4000
	2/7/1996	176.55	6.48	170.07	610	<0.50	<1.0	<1.0	<1.0	2500
	2/7/1996	176.55	NM	NM	280	<0.50	<1.0	<1.0	<1.0	2600
	4/23/1996	176.55	8.37	168.18	110	<0.50	<1.0	<1.0	<1.0	3500
	4/23/1996	176.55	NM	NM	230	<0.50	<1.0	<1.0	<1.0	3500
	7/9/1996	176.55	9.24	167.31	230	<0.50	<1.0	<1.0	<1.0	4296
	7/9/1996	176.55	NM	NM	220	<0.50	<1.0	<1.0	<1.0	4400
	10/10/1996	176.55	10.05	166.50	NA	NA	NA	NA	NA	NA
	10/11/1996	176.55	NM	NM	1600	<0.50	<1.0	<1.0	<1.0	3000
	1/20/1997	176.55	7.51	169.04	<50	0.63	<1.0	<1.0	<1.0	2600
4/25/1997	176.55	8.79	167.76	NA	NA	NA	NA	NA	NA	

Table 1
Historical Groundwater Elevations & Analytical Data
TPH-g, BTEX, MtBE
3519 Castro Valley Blvd, Castro Valley, CA

Monitoring Well	Date	Top of casing elevation ¹ (feet)	Depth to Groundwater (feet)	Groundwater Elevation (feet)	TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl benzene (µg/L)	Total Xylenes (µg/L)	MtBE (µg/L) 8260B
MW-7 cont.	4/28/1997	176.55	NM	NM	1500	<0.50	<1.0	<1.0	<1.0	3600
	4/28/1997	176.55	NM	NM	7700	3500	<25	74	37	<250
	7/18/1997	176.55	9.50	167.05	1400	<0.50	<1.0	<1.0	<1.0	2600
	10/27/1997	176.55	9.19	167.36	420	<0.50	<1.0	<1.0	<1.0	560
	1/22/1998	176.55	6.45	170.10	3100	<0.50	<1.0	<1.0	1.4	2300
	4/23/1998	176.55	8.02	168.53	3800	<0.50	<1.0	<1.0	<1.0	3800
	7/29/1998	176.55	8.88	167.67	NA	NA	NA	NA	NA	NA
	7/30/1998	176.55	NM	NM	500	<2.5	<5.0	<5.0	<5.0	<50
	7/30/1998	176.55	NM	NM	4700	<12	<25	<25	<25	4700
	12/17/1998	176.55	8.62	167.93	NA	NA	NA	NA	NA	NA
	3/19/1999	176.55	7.52	169.03	3800	<1.0	<1.0	<1.0	<1.0	3800
	6/23/1999	176.55	9.63	166.92	NA	NA	NA	NA	NA	NA
	9/27/1999	176.55	9.39	167.16	140	<10	<10	<10	<10	3800
	12/9/1999	176.55	9.94	166.61	NA	NA	NA	NA	NA	NA
	3/9/2000	176.55	6.72	169.83	<50	<0.50	<0.50	<0.50	<0.50	1400
	6/8/2000	176.55	7.38	169.17	NA	NA	NA	NA	NA	NA
	9/18/2000	176.55	9.18	167.37	190	<0.50	<0.50	<0.50	<0.50	580
	12/14/2000	176.55	8.13	168.42	NA	NA	NA	NA	NA	NA
	3/21/2001	176.55	8.98	167.57	1300	<0.50	<0.50	<0.50	<1.5	1460
	6/18/2001	176.55	9.68	166.87	NA	NA	NA	NA	NA	NA
	9/18/2001	176.55	9.80	166.75	<0.50	<0.50	<0.50	<0.50	<1.5	94.9
	12/13/2001	176.55	9.26	167.29	NA	NA	NA	NA	NA	NA
	3/14/2002	176.55	8.69	167.86	800	<0.50	<0.50	<0.50	<1.0	952
	6/19/2002	176.55	9.06	167.49	NA	NA	NA	NA	NA	NA
	9/10/2002	176.55	9.23	167.32	260	<2.0	<2.0	<2.0	<2.0	580
	12/16/2002	176.55	7.77	168.78	NA	NA	NA	NA	NA	NA
	3/11/2003	176.55	8.30	168.25	620	<2.5	<2.5	<2.5	<2.5	1100
6/17/2003	176.55	9.51	167.04	NA	NA	NA	NA	NA	NA	
9/17/2003	176.55	9.52	167.03	<50	<0.5	<0.5	<0.5	<0.5	460	
12/9/2003	176.55	8.99	167.56	<50	<0.5	<0.5	<0.5	<0.5	420	

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TPH-g, BTEX, MtBE
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Monitoring Well	Date	Top of casing elevation ¹ (feet)	Depth to Groundwater (feet)	Groundwater Elevation (feet)	TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl benzene (µg/L)	Total Xylenes (µg/L)	MtBE (µg/L) 8260B
MW-7 cont.	2/26/2004	176.55	6.55	170.00	<50	<0.5	<0.5	<0.5	<0.5	330
	5/21/2004	176.55	8.90	167.65	<50	<0.5	<0.5	<0.5	<0.5	630
	8/10/2004	179.11	9.58	169.53	<50	<0.5	<0.5	<0.5	<0.5	750
	10/19/2004	179.11	9.20	169.91	<50	<0.5	<0.5	<0.5	<0.5	550
	1/14/2005	179.11	7.25	171.86	<50	<2.0	<2.0	<2.0	<2.0	250
	4/14/2005	179.11	7.94	171.17	<200	<0.5	<0.5	<0.5	<1.0	285
	7/7/2005	179.11	9.08	170.03	<400	<1.0	<4.0	<1.0	<2.0	452
	11/15/2005	179.11	9.14	169.97	<50	<0.5	<2.0	<0.5	<1.0	110
	2/8/2006	179.11	7.93	171.18	<50	<0.5	<2.0	<0.5	<1.0	101
	4/27/2006	179.11	8.40	170.71	<50	<0.5	<2.0	<0.5	<1.0	131
	8/1/2006	179.11	8.89	170.22	<50	<0.5	<2.0	<0.5	<1.0	68.6
	10/19/2006	179.11	9.44	169.67	<50	<0.5	<2.0	<0.5	<1.0	65.5
	1/12/2007	179.11	8.91	170.20	<50	<0.5	<2.0	<0.5	<2.0	38
	4/17/2007	179.11	8.58	170.53	<50	<0.5	<2.0	<0.5	<2.0	24.7
	7/17/2007	179.11	9.04	170.07	<50	2.07	<2.0	<0.5	<2.0	29.3
	10/6/2007	179.11	7.88	171.23	<50	0.88	<2.0	<0.5	<2.0	5.26
	1/17/2008	179.11	NM	NM	NA	NA	NA	NA	NA	NA
	4/17/2008	179.11	8.85	170.26	<50	1.87	<2.0	<0.5	<2.0	21.6
	7/16/2008	179.11	9.34	169.77	<50	<0.5	<2.0	<0.5	<2.0	11.4
	10/14/2008	179.11	10.06	169.05	<50	0.78	<0.5	<0.5	<0.5	12
1/6/2009	179.11	9.12	169.99	<50	<0.5	<0.5	<0.5	<0.5	14	
4/6/2009	179.11	9.28	169.83	<50	<0.5	<0.5	<0.5	<0.5	13	
7/7/2009	179.11	9.59	169.52	<50	<0.5	<0.5	<0.5	<0.5	15	
1/27/2010	179.11	6.98	172.13	<50	<0.5	<0.5	<0.5	<0.5	6.3	
7/26/2010	179.11	9.11	170.00	<50	<0.5	<0.5	<0.5	<0.5	6	
MW-7R	8/30/2010	179.14	9.39	169.75	<50	<0.5	<0.5	<0.5	<0.5	24
	11/16/2010	179.14	9.10	170.04	<50	<0.5	<0.5	<0.5	<0.5	4.9
	2/14/2011	179.14	9.26	169.88	<50	<0.5	<0.5	<0.5	<0.5	5.3
	7/19/2011	179.14	9.38	169.76	<50	<0.5	<0.5	<0.5	<0.5	2.8
	1/18/2012	179.14	9.70	169.44	<22	<0.33	<0.19	<0.15	<0.2	0.93

Table 1
Historical Groundwater Elevations & Analytical Data
TPH-g, BTEX, MtBE
3519 Castro Valley Blvd, Castro Valley, CA

Monitoring Well	Date	Top of casing elevation ¹ (feet)	Depth to Groundwater (feet)	Groundwater Elevation (feet)	TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl benzene (µg/L)	Total Xylenes (µg/L)	MtBE (µg/L) 8260B
MW-8	7/28/1995	176.34	7.80	168.54	1,100	<2.5	<2.5	<2.5	<5.0	NA
	11/17/1995	176.34	8.29	168.05	8,300	75	5.3	670	240	140
	2/7/1996	176.34	4.99	171.35	2,300	33	<10	190	216	<100
	4/23/1996	176.34	6.09	170.25	2,000	390	<10	150	26	<250
QC-2	4/1/1993	NM	NM	NM	<50	<0.5	<0.5	<0.5	<0.5	NA
	6/29/1993	NM	NM	NM	<50	<0.5	<0.5	<0.5	<0.5	NA
	9/23/1993	NM	NM	NM	<50	<0.5	<0.5	<0.5	<0.5	NA
	12/10/1993	NM	NM	NM	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	2/17/1994	NM	NM	NM	<50	<0.5	<0.5	<0.5	<0.5	NA
	8/8/1994	NM	NM	NM	<50	<0.5	<0.5	<0.5	<0.5	NA
	10/12/1994	NM	NM	NM	<50	<0.5	<0.5	<0.5	<0.5	NA
	1/19/1995	NM	NM	NM	<50	<0.5	<0.5	<0.5	<1.0	NA
	5/2/1995	NM	NM	NM	<50	<0.50	<0.50	<0.50	<1.0	NA
	7/28/1995	NM	NM	NM	<50	<0.50	<0.50	<0.50	<1.0	NA
	11/17/1995	NM	NM	NM	<50	<0.50	<0.50	<0.50	<1.0	<5.0
	2/7/1996	NM	NM	NM	<50	<0.5	<1.0	<1.0	<1.0	<10
	4/23/1996	NM	NM	NM	<50	<0.5	<1.0	<1.0	<1.0	<10
7/9/1996	NM	NM	NM	<50	<0.5	<1.0	<1.0	<1.0	<10	
SOMA-1	8/10/2004	180.95	11.53	169.42	84	<0.5	<0.5	1.5 C	2.2	2100
	10/19/2004	180.95	10.41	170.54	56	<0.5	<0.5	1.3 C	1.4 C	1600
	1/14/2005	180.95	9.68	171.27	58	<3.1	<3.1	<3.1	<3.1	330
	4/14/2005	180.95	9.37	171.58	<2200	<5.5	<5.5	<5.5	<11	668
	7/7/2005	180.95	10.21	170.74	<860	<2.15	<8.6	<2.15	<4.3	591
	11/15/2005	180.95	10.70	170.25	<50	<0.5	<2.0	1.1	<1.0	256
	2/8/2006	180.95	9.30	171.65	127	1.56	<2.0	3.23	3.12	176
	4/27/2006	180.95	9.64	171.31	81.6	1.14	<2.0	2.8	<1.0	189
	8/1/2006	180.95	10.25	170.70	<50	1.07	<2.0	1.46	<1.0	122
	10/19/2006	180.95	10.73	170.22	<50	0.68	<2.0	4.17	<1.0	116

Table 1
Historical Groundwater Elevations & Analytical Data
TPH-g, BTEX, MtBE
3519 Castro Valley Blvd, Castro Valley, CA

Monitoring Well	Date	Top of casing elevation ¹ (feet)	Depth to Groundwater (feet)	Groundwater Elevation (feet)	TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl benzene (µg/L)	Total Xylenes (µg/L)	MtBE (µg/L) 8260B
SOMA-1 cont.	1/12/2007	180.95	10.38	170.57	<50	<0.5	<2.0	<0.5	<2.0	68.7
	4/17/2007	180.95	10.09	170.86	<50	5.76	<2.0	4.33	2.59	33.4
	7/17/2007	180.95	10.35	170.60	<50	14.8	<2.0	4.63	3.32	39.4
	10/16/2007	180.95	9.71	171.24	<50	5.7	<2.0	<0.5	<2.0	14.2
	1/17/2008	180.95	10.01	170.94	<50	1.02	<2.0	<0.5	<2.0	12.8
	4/17/2008	180.95	10.17	170.78	<50	3.13	<2.0	<0.5	<2.0	12.8
	7/16/2008	180.95	10.63	170.32	<50	10.6	<2.0	<0.5	<2.0	15.8
	10/14/2008	180.95	11.36	169.59	<50	1.1	<0.5	<0.5	<0.5	15
	1/6/2009	180.95	10.81	170.14	<50	0.6	<0.5	<0.5	<0.5	14
	4/6/2009	180.95	10.69	170.26	<50	<0.5	<0.5	<0.5	<0.5	12
	7/7/2009	180.95	11.01	169.94	<50	0.57	<0.5	1.2	0.91	12
	1/27/2010	180.95	8.81	172.14	<50	<0.5	<0.5	<0.5	<0.5	9.9
	7/26/2010	180.95	10.49	170.46	<50	<0.5	<0.5	<0.5	<0.5	5.9
	11/16/2010	180.95	10.49	170.46	<50	<0.5	<0.5	<0.5	<0.5	7.0
	2/15/2011	180.95	10.64	170.31	<50	<0.5	<0.5	<0.5	<0.5	5.3
7/19/2011	180.95	10.70	170.25	<50	2.3	<0.5	<0.5	<0.5	5.2	
1/18/2012	180.95	10.90	170.05	77^Y	<0.33	<0.19	<0.15	<0.2	4.0	
SOMA-4	8/10/2004	176.94	9.44	167.50	140	0.98	<0.5	7.8	<0.5	11
	10/19/2004	176.94	9.91	167.03	150	<0.5	<0.5	10	<0.5	8.8
	1/14/2005	176.94	8.36	168.58	500	3.7	<0.5	53	<0.5	7.6
	4/14/2005	176.94	7.89	169.05	<200	0.74	<0.5	3.21	<1.0	5.65
	7/7/2005	176.94	11.62	165.32	<200	<0.5	<2.0	0.56	<1.0	7.09
	11/15/2005	176.94	9.33	167.61	<50	<0.5	<2.0	<0.5	<1.0	8.6
	2/8/2006	176.94	9.18	167.76	55.8	<0.5	<2.0	0.85	<1.0	10.4
	4/27/2006	176.94	8.75	168.19	172	1.35	<2.0	8.83	<1.0	11.7
	8/1/2006	176.94	9.52	167.42	<50	0.52	<2.0	1.53	<1.0	14.1
	10/19/2006	176.94	9.51	167.43	<50	<0.5	<2.0	<0.5	<1.0	19.2
	1/12/2007	176.94	8.98	167.96	<50	<0.5	<2.0	<0.5	<2.0	20.4
	4/17/2007	176.94	8.96	167.98	<50	<0.5	<2.0	4.33	<2.0	15.8
	7/17/2007	176.94	9.31	167.63	<50	<0.5	<2.0	4.47	<2.0	13.3
10/16/2007	176.94	8.96	167.98	<50	<0.5	<2.0	4.5	<2.0	8.57	

Table 1
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TPH-g, BTEX, MtBE
3519 Castro Valley Blvd, Castro Valley, CA

Monitoring Well	Date	Top of casing elevation ¹ (feet)	Depth to Groundwater (feet)	Groundwater Elevation (feet)	TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl benzene (µg/L)	Total Xylenes (µg/L)	MtBE (µg/L) 8260B
SOMA-4 cont	1/17/2008	176.94	8.84	168.10	<50	<0.5	<2.0	<0.5	<2.0	8.87
	4/17/2008	176.94	9.44	167.50	<50	<0.5	<2.0	<0.5	<2.0	1.22
	7/16/2008	176.94	9.52	167.42	<50	<0.5	<2.0	<0.5	<2.0	8.58
	10/14/2008	176.94	9.98	166.96	<50	<0.5	<0.5	<0.5	<0.5	9.7
	1/6/2009	176.94	9.29	167.65	<50	<0.5	<0.5	<0.5	<0.5	10
	4/6/2009	176.94	9.31	167.63	<50	<0.5	<0.5	<0.5	<0.5	5.3
	7/7/2009	176.94	9.54	167.40	<50	<0.5	<0.5	<0.5	<0.5	7
	1/27/2010	176.94	7.35	169.59	<50	<0.5	<0.5	<0.5	<0.5	5.1
	7/26/2010	176.94	9.13	167.81	220	<0.5	<0.5	<0.5	<0.5	2.3
	11/15/2010	176.94	8.85	168.09	75	<0.5	<0.5	<0.5	<0.5	2.5
	2/14/2011	176.94	8.92	168.02	<50	<0.5	<0.5	<0.5	<0.5	1.5
	7/19/2011	176.94	9.19	167.75	57	<0.5	<0.5	<0.5	<0.5	0.97
	1/18/2012	176.94	9.61	167.33	<22	<0.33	<0.19	<0.15	<0.2	1.2
Shallow WBZ Wells										
SOMA-2	8/10/2004	178.99	10.69	168.30	<50	<0.5	<0.5	<0.5	<0.5	0.8
	10/19/2004	178.99	10.75	168.24	<50	<0.5	<0.5	<0.5	<0.5	2.4
	1/14/2005	178.99	9.45	169.54	<50	<0.5	<0.5	<0.5	<0.5	1.1
	4/14/2005	178.99	10.46	168.53	<200	<0.5	<0.5	<0.5	<1.0	<0.5
	7/7/2005	178.99	11.81	167.18	<200	<0.5	<2.0	<0.5	<1.0	<0.5
	11/15/2005	178.99	12.02	166.97	<50	<0.5	<2.0	<0.5	<1.0	1.61
	2/8/2006	178.99	11.88	167.11	<50	<0.5	<2.0	<0.5	<1.0	<0.5
	4/27/2006	178.99	10.95	168.04	<50	<0.5	<2.0	<0.5	<1.0	<0.5
	8/1/2006	178.99	11.85	167.14	<50	<0.5	<2.0	<0.5	<1.0	1.11
	10/19/2006	178.99	10.62	168.37	<50	<0.5	<2.0	<0.5	<1.0	1.36
	1/12/2007	178.99	10.26	168.73	<50	<0.5	<2.0	<0.5	<2.0	<0.5
	4/17/2007	178.99	11.88	167.11	<50	<0.5	<2.0	<0.5	<2.0	0.87
	7/17/2007	178.99	10.84	168.15	<50	<0.5	<2.0	<0.5	<2.0	<0.5
	10/16/2007	178.99	9.69	169.30	<50	<0.5	<2.0	<0.5	<2.0	<0.5
	1/17/2008	178.99	9.62	169.37	<50	<0.5	<2.0	<0.5	<2.0	<0.5
	4/17/2008	178.99	10.06	168.93	<50	<0.5	<2.0	<0.5	<2.0	<0.5
7/16/2008	178.99	10.63	168.36	<50	<0.5	<2.0	<0.5	<2.0	<0.5	
10/14/2008	178.99	11.26	167.73	<50	<0.5	<0.5	<0.5	<0.5	<0.5	

Table 1
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Monitoring Well	Date	Top of casing elevation ¹ (feet)	Depth to Groundwater (feet)	Groundwater Elevation (feet)	TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl benzene (µg/L)	Total Xylenes (µg/L)	MtBE (µg/L) 8260B
SOMA-2 cont.	1/6/2009	178.99	10.22	168.77	<50	<0.5	<0.5	<0.5	<0.5	<0.5
	4/6/2009	178.99	10.38	168.61	<50	<0.5	<0.5	<0.5	<0.5	<0.5
	7/7/2009	178.99	10.40	168.59	<50	<0.5	<0.5	<0.5	<0.5	<0.5
	1/27/2010	178.99	8.19	170.80	<50	<0.5	<0.5	<0.5	<0.5	<0.5
	7/26/2010	178.99	10.24	168.75	<50	<0.5	<0.5	<0.5	<0.5	<0.5
	11/15/2010	178.99	10.04	168.95	<50	<0.5	<0.5	<0.5	<0.5	<0.5
	2/14/2011	178.99	9.95	169.04	<50	<0.5	<0.5	<0.5	<0.5	<0.5
	7/19/2011	178.99	10.20	168.79	<50	<0.5	<0.5	<0.5	<0.5	<0.5
	1/18/2012	178.99	10.56	168.43	<22	<0.33	<0.19	<0.15	<0.2	<0.38
SOMA-3	8/10/2004	176.81	9.97	166.84	<50	<0.5	<0.5	<0.5	<0.5	<0.5
	10/19/2004	176.81	9.59	167.22	<50	<0.5	<0.5	<0.5	<0.5	<0.5
	1/14/2005	176.81	8.23	168.58	<50	<0.5	<0.5	<0.5	<0.5	<0.5
	4/14/2005	176.81	8.64	168.17	<200	<0.5	<0.5	<0.5	<1.0	<0.5
	7/7/2005	176.81	9.60	167.21	<200	<0.5	<2.0	<0.5	<1.0	<0.5
	11/15/2005	176.81	10.01	166.80	<50	<0.5	<2.0	<0.5	<1.0	5.1
	2/8/2006	176.81	8.80	168.01	<50	<0.5	<2.0	<0.5	<1.0	7.16
	4/27/2006	176.81	9.00	167.81	<50	<0.5	<2.0	<0.5	<1.0	14.2
	8/1/2006	176.81	9.91	166.90	<50	<0.5	<2.0	<0.5	<1.0	7.29
	10/19/2006	176.81	10.21	166.60	<50	<0.5	<2.0	<0.5	<1.0	41.4
	1/12/2007	176.81	9.73	167.08	<50	<0.5	<2.0	<0.5	<2.0	20.9
	4/17/2007	176.81	9.81	167.00	<50	<0.5	<2.0	<0.5	<2.0	32.1
	7/17/2007	176.81	10.06	166.75	<50	<0.5	<2.0	<0.5	<2.0	23.6
	10/16/2007	176.81	9.54	167.27	<50	<0.5	<2.0	<0.5	<2.0	22.3
	1/17/2008	176.81	9.06	167.75	<50	<0.5	<2.0	<0.5	<2.0	11.1
	4/17/2008	176.81	9.57	167.24	<50	<0.5	<2.0	<0.5	<2.0	23.7
	7/16/2008	176.81	10.25	166.56	<50	<0.5	<2.0	<0.5	<2.0	10.6
	10/14/2008	176.81	10.76	166.05	<50	<0.5	<0.5	<0.5	<0.5	19
	1/6/2009	176.81	9.53	167.28	<50	<0.5	<0.5	<0.5	<0.5	1.1
	4/6/2009	176.81	9.65	167.16	<50	<0.5	<0.5	<0.5	<0.5	5.7
7/7/2009	176.81	10.19	166.62	<50	<0.5	<0.5	<0.5	<0.5	6	
1/27/2010	176.81	7.80	169.01	<50	<0.5	<0.5	<0.5	<0.5	56	
7/26/2010	176.81	9.67	167.14	<50	<0.5	<0.5	<0.5	<0.5	9.8	
11/15/2010	176.81	9.35	167.46	<50	<0.5	<0.5	<0.5	<0.5	30	

Table 1
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TPH-g, BTEX, MtBE
3519 Castro Valley Blvd, Castro Valley, CA

Monitoring Well	Date	Top of casing elevation ¹ (feet)	Depth to Groundwater (feet)	Groundwater Elevation (feet)	TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl benzene (µg/L)	Total Xylenes (µg/L)	MtBE (µg/L) 8260B
SOMA-3 cont.	2/14/2011	176.81	10.57	166.24	<50	<0.5	<0.5	<0.5	<0.5	32
	7/19/2011	176.81	9.74	167.07	<50	<0.5	<0.5	<0.5	<0.5	17
	1/18/2012	176.81	10.14	166.67	<22	<0.33	<0.19	<0.15	<0.2	24
SOMA-5 pre-MPE	1/27/2010	180.31	7.94	172.37	14,000	2,600	1.5	800	914	190
	7/26/2010	180.31	9.99	170.32	14,000	3,300	<20	1,100	1,340	150
	11/15/2010	180.31	10.01	170.30	11,000	2,400	3.3	920	733	130
	2/15/2011	180.31	10.22	170.09	4,900	1,600	<13	430	84	94
	6/16/2011	180.31	NM	NC	6,400	2,500	<20	670	160	150
	7/19/2011	180.31	9.95	170.36	1,300	470	<3.6	<3.6	212	8.8
	1/18/2012	180.31	10.16	170.15	600^Y	160	<0.19	27	<0.2	6.5
SOMA-7 pre-MPE	8/30/2010	178.54	7.63	170.91	2,900	190	3.7	74	19.80	8.4
	11/16/2010	178.54	7.89	170.65	1,500	190	2.1	41	8.30	5.7
	2/15/2011	178.54	7.33	171.21	1,900	380	4	27	5.50	5.2
	6/16/2011	178.54	NM	NC	1,900	330	4.3	24	5.20	4.7
	7/19/2011	178.54	7.89	170.65	7,600	1,100	15	200	61	12
	1/18/2012	178.54	8.74	169.80	1,300^Y	190	2.2	29	5.2	<1.7
SOMA-8	8/30/2010	181.57	9.89	171.68	<50	<0.5	<0.5	<0.5	<0.5	<0.5
	11/15/2010	181.57	9.37	172.20	<50	<0.5	<0.5	<0.5	<0.5	<0.5
	2/14/2011	181.57	9.89	171.68	<50	<0.5	<0.5	<0.5	<0.5	<0.5
	7/19/2011	181.57	9.67	171.90	<50	<0.5	<0.5	<0.5	<0.5	<0.5
	1/18/2012	181.57	10.29	171.28	<22	<0.33	<0.19	<0.15	<0.2	<0.38
OB-1 pre-MPE	6/16/2011	178.7	NM	NC	1,900	9.3	<0.5	3.7	5.80	23
	7/19/2011	178.7	7.89	170.81	250	1.9	<0.5	0.63	0.78	4.1
	1/18/2012	178.7	8.72	169.98	2,400^Y	12	<0.19	3.0	6.35	16
OB-2 pre-MPE	6/16/2011	180.23	NM	NC	12,000	870	18	590	1,140	310
	7/19/2011	180.23	9.76	170.47	30,000	1,000	31	1,300	3,020	310
	1/18/2012	180.23	9.92	170.31	22,000^Y	930	13	1,300	2,100	<3.3

Table 1
Historical Groundwater Elevations & Analytical Data
TPH-g, BTEX, MtBE
3519 Castro Valley Blvd, Castro Valley, CA

Monitoring Well	Date	Top of casing elevation ¹ (feet)	Depth to Groundwater (feet)	Groundwater Elevation (feet)	TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl benzene (µg/L)	Total Xylenes (µg/L)	MtBE (µg/L) 8260B
Equipment Blanks										
EB-PMP	1/17/2008	NA	NA	NA	<50	<0.5	<2.0	<0.5	<2.0	<0.5
EB-PRB	1/17/2008	NA	NA	NA	<50	<0.5	<2.0	<0.5	<2.0	<0.5
EB-PMP2	1/17/2008	NA	NA	NA	<50	<0.5	<2.0	<0.5	<2.0	<0.5
EB-PRB2	1/17/2008	NA	NA	NA	<50	<0.5	<2.0	<0.5	<2.0	<0.5

Notes:

< : Not detected above laboratory reporting limit.

1 Top of Casing Elevations were resurveyed by Kier & Wright Engineers Surveyors of Pleasanton, CA on June 21, 2004.

C: Presence confirmed, but RPD between columns exceeds 40%.

H: Heavier hydrocarbons contributed to the quantitation.

NA: Not Applicable/Not Analyzed. Due to construction activities in the Third Quarter 2003, which consisted of the replacement of the USTs and dispensers, wells ESE-1 & ESE-2 were inaccessible. Well ESE-2 also inaccessible during the First Quarter 2007. Well MW-7 had a car parked over it and was inaccessible during the First Quarter 2008 monitoring event

NM: Not Measured

Well ESE-2 was covered over with dirt during the First Quarter 2007 monitoring event.

Well MW-7 had a car parked over it and was inaccessible during the First Quarter 2008 monitoring event.

Equipment Blanks (EB-PRB & EB-PMP) were done to make sure decon efforts were adequate.

Z: Sample exhibits unknown single peak or peaks.

The Third Quarter 2003 was the first time that SOMA analyzed groundwater samples at the site.

The Third Quarter 2004 was the first time that SOMA analyzed groundwater samples at wells SOMA-1 to SOMA-4.

August 2010, reconstruct ESE-1R, ESE-2R, ESE-5R, MW-6R, MW-7R; install SOMA-7, SOMA-8. 8/30/10 investigation sampling pre-MPE sampling conducted on 6/16/2011 prior to start of MPE pilot testing from June 20 to July 1, 2011

Table 2
Historical Groundwater Analytical Data
Gasoline Oxygenates & Lead Scavengers
3519 Castro Valley Blvd, Castro Valley, CA

Monitoring Well	Date	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	ETHANOL (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)
Semi-Confined WBZ Wells								
ESE-1	6/17/2003	<400	<10	<10	18	NA	NA	NA
	9/17/2003	NA	NA	NA	NA	NA	NA	NA
	12/9/2003	290	<1.0	<1.0	9.5	<2,000	<1.0	<1.0
	2/26/2004	410	<0.5	<0.5	9.7	<1000	<0.5	<0.5
	5/21/2004	190	<0.5	<0.5	<0.5	<1000	<0.5	<0.5
	8/10/2004	180	<0.5	<0.5	<0.5	<1000	<0.5	<0.5
	10/19/2004	270	<0.7	<0.7	4.4	<1400	9.9	<0.7
	1/14/2005	280	<1.3	<1.3	<1.3	<2,500	<1.3	<1.3
	4/14/2005	144	<2.15	<2.15	<8.6	<4300	<2.15	<2.15
	7/7/2005	119	<2.15	<2.15	<8.6	<4300	<2.15	<2.15
	11/15/2005	107	<0.5	<0.5	<2.0	<1000	<0.5	<0.5
	2/8/2006	181	<2.15	<2.15	<8.6	<4300	<2.15	<2.15
	4/27/2006	261	<2.15	<2.15	<8.6	<4300	<2.15	<2.15
	8/1/2006	165	<1.0	<1.0	<4.0	<2000	<1.0	<1.0
	10/19/2006	154	<1.0	<1.0	<4.0	<2000	<1.0	<1.0
	1/12/2007	103	<0.5	<0.5	<2.0	<1000	<0.5	<0.5
	4/17/2007	80.5	<0.5	<0.5	<2.0	<1000	<0.5	<0.5
	7/17/2007	128	<0.5	<0.5	<2.0	<1000	<0.5	<0.5
	10/16/2007	98.7	<0.5	<0.5	<2.0	<1000	<0.5	<0.5
	1/17/2008	61.5	<0.5	<0.5	2.52	<1000	<0.5	<0.5
	4/17/2008	76.4	<0.5	<0.5	<2.0	<1000	59.2	<0.5
	7/16/2008	179	<0.5	<0.5	<2.0	<1000	<0.5	<0.5
	10/14/2008	87	<0.5	<0.5	2.6	<1000	<0.5	<0.5
1/6/2009	93	<1.0	<1.0	<1.0	<2000	<1.0	<1.0	
4/6/2009	130	<1.0	<1.0	<1.0	<2000	<1.0	<1.0	
7/7/2009	100	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5	
1/27/2010	200	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5	
7/26/2010	110	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5	
ESE-1R	8/30/2010	83	<0.71	<0.71	3.4	<1,400	<0.71	<0.71
	11/16/2010	64	<0.5	<0.5	0.94	<1,000	<0.5	<0.5
	2/15/2011	130	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	7/19/2011	82	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	1/18/2012	79	<0.36	<0.4	<0.32	<100	<0.28	<0.19
ESE-2	6/17/2003	<4000	<100	<100	<100	NA	NA	NA
	9/17/2003	NA	NA	NA	NA	NA	NA	NA
	12/9/2003	500	<13	<13	77	<25,000	<13	<13
	2/26/2004	1200	<0.5	<0.5	92	<1,000	<0.5	<0.5
	5/21/2004	2400	<10	<10	25	<20,000	<10	<10
	8/10/2004	2300	<2.5	<2.5	12	<5,000	<2.5	<2.5
	10/19/2004	1800	<3.6	<3.6	8.6	<7100	<3.6	<3.6

Table 2
Historical Groundwater Analytical Data
Gasoline Oxygenates & Lead Scavengers
3519 Castro Valley Blvd, Castro Valley, CA

Monitoring Well	Date	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	ETHANOL (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)
ESE-2R cont.	1/14/2005	470	<8.3	<8.3	28	<17,000	<8.3	<8.3
	4/14/2005	<10.8	<2.15	<2.15	17.9	<4,300	<2.15	<2.15
	7/7/2005	109	<2.15	<2.15	9.7	<4,300	<2.15	<2.15
	11/15/2005	64.7	<0.5	<0.5	3.43	<1,000	<0.5	<0.5
	2/8/2006	46.4	<2.15	<2.15	11	<4,300	<2.15	<2.15
	4/27/2006	47.7	<1.0	<1.0	8.29	<2,000	<1.0	<1.0
	8/1/2006	20.6	<1.0	<1.0	4.67	<2,000	<1.0	<1.0
	10/19/2006	28.9	<0.5	<0.5	4.55	<1,000	<0.5	<0.5
	1/12/2007	NA	NA	NA	NA	NA	NA	NA
	4/17/2007	60.8	<0.5	<0.5	3.85	<1,000	<0.5	<0.5
	7/17/2007	62.3	<0.5	<0.5	2.95	<1,000	<0.5	<0.5
	10/16/2007	46	<0.5	<0.5	2.21	<1,000	<0.5	<0.5
	1/17/2008	18.8	<0.5	<0.5	3.38	<1,000	<0.5	<0.5
	4/17/2008	18.8	<0.5	<0.5	<2.0	<1,000	<0.5	<0.5
	7/16/2008	9.95	<0.5	<0.5	<2.0	<1,000	<0.5	<0.5
	10/14/2008	<10	<0.5	<0.5	0.85	<1,000	<0.5	<0.5
	1/6/2009	27	<0.5	<0.5	0.83	<1,000	<0.5	<0.5
	4/6/2009	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	7/7/2009	18	<0.5	<0.5	0.56	<1,000	<0.5	<0.5
	1/27/2010	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
7/26/2010	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5	
ESE-2R	8/30/2010	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	11/16/2010	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	2/14/2011	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	7/19/2011	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	1/18/2012	<1.5	<0.36	<0.4	<0.32	<100	<0.28	<0.19
ESE-3	6/17/2003	<200	<5.0	<5.0	<5.0	NA	NA	NA
ESE-5	9/17/2003	<10	<0.5	<0.5	<0.5	<1000	<0.5	<0.5
	12/9/2003	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	2/26/2004	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	5/21/2004	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	8/10/2004	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	10/19/2004	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	1/14/2005	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	4/14/2005	17	<0.5	<0.5	<2.0	<1,000	<0.5	<0.5
	7/7/2005	<10	<0.5	<0.5	<2.0	<1,000	<0.5	<0.5
11/15/2005	<10	<0.5	<0.5	<2.0	<1,000	<0.5	<0.5	

Table 2
Historical Groundwater Analytical Data
Gasoline Oxygenates & Lead Scavengers
3519 Castro Valley Blvd, Castro Valley, CA

Monitoring Well	Date	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	ETHANOL (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)
ESE-5 cont.	2/8/2006	<10	<0.5	<0.5	<2.0	<1,000	<0.5	<0.5
	4/27/2006	<10	<0.5	<0.5	<2.0	<1,000	<0.5	<0.5
	8/1/2006	<10	<0.5	<0.5	<2.0	<1,000	<0.5	<0.5
	10/19/2006	<10	<0.5	<0.5	<2.0	<1,000	<0.5	<0.5
	1/12/2007	<2.0	<0.5	<0.5	<2.0	<1,000	<0.5	<0.5
	4/17/2007	8.7	<0.5	<0.5	<2.0	<1,000	<0.5	<0.5
	7/17/2007	15.4	<0.5	<0.5	<2.0	<1,000	<0.5	<0.5
	10/16/2007	11.5	<0.5	<0.5	<2.0	<1,000	<0.5	<0.5
	1/17/2008	17.2	<0.5	<0.5	<2.0	<1,000	<0.5	<0.5
	4/17/2008	<2.0	<0.5	<0.5	<2.0	<1,000	5.44	<0.5
	7/16/2008	<2.0	<0.5	<0.5	<2.0	<1,000	<0.5	<0.5
	10/14/2008	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	1/6/2009	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	4/6/2009	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	7/7/2009	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	1/27/2010	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
7/26/2010	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5	
ESE-5R	8/30/2010	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	11/16/2010	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	2/15/2011	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	7/19/2011	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	1/18/2012	<1.5	<0.36	<0.4	<0.32	<100	<0.28	<0.19
MW-6	9/17/2003	<10	<0.5	<0.5	<0.5	<1000	<0.5	<0.5
	12/9/2003	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	2/26/2004	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	5/21/2004	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	8/10/2004	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	10/19/2004	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	1/14/2005	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	4/14/2005	<2.5	<0.5	<0.5	<2.0	<1,000	<0.5	<0.5
	7/7/2005	<10	<0.5	<0.5	<2.0	<1,000	<0.5	<0.5
	11/15/2005	<10	<0.5	<0.5	<2.0	<1,000	<0.5	<0.5
	2/8/2006	<10	<0.5	<0.5	<2.0	<1,000	<0.5	<0.5
	4/27/2006	<10	<0.5	<0.5	<2.0	<1,000	<0.5	<0.5
	8/1/2006	<10	<0.5	<0.5	<2.0	<1,000	<0.5	<0.5
	10/19/2006	<10	<0.5	<0.5	<2.0	<1,000	<0.5	<0.5
	1/12/2007	<2.0	<0.5	<0.5	<2.0	<1,000	<0.5	<0.5
	4/17/2007	<2.0	<0.5	<0.5	<2.0	<1,000	<0.5	<0.5
7/17/2007	<2.0	<0.5	<0.5	<2.0	<1,000	<0.5	<0.5	
10/16/2007	<2.0	<0.5	<0.5	<2.0	<1,000	<0.5	<0.5	

Table 2
Historical Groundwater Analytical Data
Gasoline Oxygenates & Lead Scavengers
3519 Castro Valley Blvd, Castro Valley, CA

Monitoring Well	Date	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	ETHANOL (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)
MW-6 contd.	1/17/2008	<2.0	<0.5	<0.5	<2.0	<1,000	<0.5	<0.5
	4/17/2008	<2.0	<0.5	<0.5	<2.0	<1,000	<0.5	<0.5
	7/16/2008	<2.0	<0.5	<0.5	<2.0	<1,000	<0.5	<0.5
	10/14/2008	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	1/6/2009	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	4/6/2009	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	7/7/2009	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	1/27/2010	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
7/26/2010	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5	
MW-6R	8/30/2010	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	11/15/2010	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	2/14/2011	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	7/19/2011	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	1/18/2012	<1.5	<0.36	<0.4	<0.32	<100	<0.28	<0.19
MW-7	9/17/2003	<10	<0.5	<0.5	9.8	<1,000	<0.5	<0.5
	12/9/2003	<25	<1.3	<1.3	8.1	<2,500	<1.3	<1.3
	2/26/2004	<10	<0.5	<0.5	9.9	<1,000	<0.5	<0.5
	5/21/2004	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	8/10/2004	<25	<1.3	<1.3	19	<2,500	<1.3	<1.3
	10/19/2004	<100	<5.0	<5.0	11	<10,000	<5.0	<5.0
	1/14/2005	<40	<2.0	<2.0	5.1	<4,000	<2.0	<2.0
	4/14/2005	2.62	<0.5	<0.5	4.57	<1,000	<0.5	<0.5
	7/7/2005	55.6	<1.0	<1.0	10.2	<2,000	<1.0	<1.0
	11/15/2005	10.6	<0.5	<0.5	2.07	<1,000	<0.5	<0.5
	2/8/2006	<10	<0.5	<0.5	2.19	<1,000	<0.5	<0.5
	4/27/2006	<10	<0.5	<0.5	2.63	<1,000	<0.5	<0.5
	8/1/2006	<10	<0.5	<0.5	<2.0	<1,000	<0.5	<0.5
	10/19/2006	<10	<0.5	<0.5	<2.0	<1,000	<0.5	<0.5
	1/12/2007	<2.0	<0.5	<0.5	<2.0	<1,000	<0.5	<0.5
	4/17/2007	11.6	<0.5	<0.5	<2.0	<1,000	<0.5	<0.5
	7/17/2007	13.3	<0.5	<0.5	<2.0	<1,000	<0.5	<0.5
	10/16/2007	<2.0	<0.5	<0.5	<2.0	<1,000	<0.5	<0.5
	1/17/2008	NA	NA	NA	NA	NA	NA	NA
	4/17/2008	8.63	<0.5	<0.5	<2.0	<1,000	<0.5	<0.5
	7/16/2008	<2.0	<0.5	<0.5	<2.0	<1,000	<0.5	<0.5
	10/14/2008	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	1/6/2009	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	4/6/2009	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
7/7/2009	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5	
1/27/2010	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5	
7/26/2010	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5	
MW-7R	8/30/2010	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	11/16/2010	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	2/14/2011	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	7/19/2011	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	1/18/2012	<1.5	<0.36	<0.4	<0.32	<100	<0.28	<0.19

Table 2
Historical Groundwater Analytical Data
Gasoline Oxygenates & Lead Scavengers
3519 Castro Valley Blvd, Castro Valley, CA

Monitoring Well	Date	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	ETHANOL (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)
SOMA-1	8/10/2004	2300	<6.3	<6.3	53	<13,000	<6.3	<6.3
	10/19/2004	2400	<13	<13	36	<25,000	<13	<13
	1/14/2005	530	<3.1	<3.1	7.1	<6,300	<3.1	<3.1
	4/14/2005	<27.5	<5.5	<5.5	<22	<11,000	<5.5	<5.5
	7/7/2005	2180	<2.15	<2.15	12.9	<4,300	<2.15	<2.15
	11/15/2005	792	<0.5	<0.5	5.01	<1,000	<0.5	<0.5
	2/8/2006	618	<0.5	<0.5	3.67	<1,000	<0.5	<0.5
	4/27/2006	983	<0.5	<0.5	3.48	<1,000	<0.5	<0.5
	8/1/2006	639	<0.5	<0.5	2.27	<1,000	<0.5	<0.5
	10/19/2006	603	<0.5	<0.5	2.25	<1,000	<0.5	<0.5
	1/12/2007	396	<0.5	<0.5	<2.0	<1,000	<0.5	<0.5
	4/17/2007	148	<0.5	<0.5	<2.0	<1,000	<0.5	<0.5
	7/17/2007	555	<0.5	<0.5	<2.0	<1,000	<0.5	<0.5
	10/16/2007	65	<0.5	<0.5	<2.0	<1,000	<0.5	<0.5
	1/17/2008	29.6	<0.5	<0.5	2.06	<1,000	<0.5	<0.5
	4/17/2008	339	<0.5	<0.5	<2.0	<1,000	<0.5	<0.5
	7/16/2008	264	<0.5	<0.5	<2.0	<1,000	<0.5	<0.5
	10/14/2008	250	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	1/6/2009	180	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	4/6/2009	120	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	7/7/2009	250	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	1/27/2010	310	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	7/26/2010	68	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
11/16/2010	84	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5	
2/15/2011	120	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5	
7/19/2011	130	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5	
1/18/2012	150	<0.36	<0.4	<0.32	<100	<0.28	<0.19	
SOMA-4	8/10/2004	<10	<0.5	<0.5	<0.5	<1000	<0.5	<0.5
	10/19/2004	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	1/14/2005	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	4/14/2005	<2.5	<0.5	<0.5	<2.0	<1,000	<0.5	<0.5
	7/7/2005	<10	<0.5	<0.5	<2.0	<1,000	<0.5	<0.5
	11/15/2005	<10	<0.5	<0.5	<2.0	<1,000	<0.5	<0.5
	2/8/2006	<10	<0.5	<0.5	<2.0	<1,000	<0.5	<0.5
	4/27/2006	<10	<0.5	<0.5	<2.0	<1,000	<0.5	<0.5
	8/1/2006	<10	<0.5	<0.5	<2.0	<1,000	<0.5	<0.5
	10/19/2006	<10	<0.5	<0.5	<2.0	<1,000	<0.5	<0.5
	1/12/2007	<2.0	<0.5	<0.5	<2.0	<1,000	<0.5	<0.5
	4/17/2007	3.98	<0.5	<0.5	<2.0	<1,000	<0.5	<0.5
	7/17/2007	6.31	<0.5	<0.5	<2.0	<1,000	<0.5	<0.5
10/16/2007	<2.0	<0.5	<0.5	<2.0	<1,000	<0.5	<0.5	

Table 2
Historical Groundwater Analytical Data
Gasoline Oxygenates & Lead Scavengers
3519 Castro Valley Blvd, Castro Valley, CA

Monitoring Well	Date	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	ETHANOL (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)
SOMA-4 contd	1/17/2008	<2.0	<0.5	<0.5	<2.0	<1,000	<0.5	<0.5
	4/17/2008	<2.0	<0.5	<0.5	<2.0	<1,000	<0.5	<0.5
	7/16/2008	<2.0	<0.5	<0.5	<2.0	<1,000	<0.5	<0.5
	10/14/2008	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	1/6/2009	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	4/6/2009	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	7/7/2009	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	1/27/2010	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	7/26/2010	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	11/15/2010	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	2/14/2011	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	7/19/2011	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	1/18/2012	<1.5	<0.36	<0.4	<0.32	<100	<0.28	<0.19
	Shallow WBZ Wells							
SOMA-2	8/10/2004	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	10/19/2004	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	1/14/2005	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	4/14/2005	<2.5	<0.5	<0.5	<2.0	<1,000	<0.5	<0.5
	7/7/2005	<10	<0.5	<0.5	<2.0	<1,000	<0.5	<0.5
	11/15/2005	<10	<0.5	<0.5	<2.0	<1,000	<0.5	<0.5
	2/8/2006	<10	<0.5	<0.5	<2.0	<1,000	<0.5	<0.5
	4/27/2006	<10	<0.5	<0.5	<2.0	<1,000	<0.5	<0.5
	8/1/2006	<10	<0.5	<0.5	<2.0	<1,000	<0.5	<0.5
	10/19/2006	<10	<0.5	<0.5	<2.0	<1,000	<0.5	<0.5
	1/12/2007	<2.0	<0.5	<0.5	<2.0	<1,000	<0.5	<0.5
	4/17/2007	14.6	<0.5	<0.5	<2.0	<1,000	<0.5	<0.5
	7/17/2007	2.58	<0.5	<0.5	<2.0	<1,000	<0.5	<0.5
	10/16/2007	<2.0	<0.5	<0.5	<2.0	<1,000	<0.5	<0.5
	1/17/2008	<2.0	<0.5	<0.5	<2.0	<1,000	<0.5	<0.5
	4/17/2008	<2.0	<0.5	<0.5	<2.0	<1,000	<0.5	<0.5
	7/16/2008	<2.0	<0.5	<0.5	<2.0	<1,000	<0.5	<0.5
	10/14/2008	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	1/6/2009	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	4/6/2009	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	7/7/2009	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	1/27/2010	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	7/26/2010	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	11/15/2010	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
2/14/2011	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5	
7/19/2011	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5	
1/18/2012	<1.5	<0.36	<0.4	<0.32	<100	<0.28	<0.19	
SOMA-3	8/10/2004	<10	<0.5	<0.5	<0.5	<1000	<0.5	<0.5
	10/19/2004	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5

Table 2
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3519 Castro Valley Blvd, Castro Valley, CA

Monitoring Well	Date	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	ETHANOL (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)
SOMA-3 cont.	1/14/2005	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	4/14/2005	<2.5	<0.5	<0.5	<2.0	<1,000	<0.5	<0.5
	7/7/2005	<10	<0.5	<0.5	<2.0	<1,000	<0.5	<0.5
	11/15/2005	<10	<0.5	<0.5	<2.0	<1,000	<0.5	<0.5
	2/8/2006	<10	<0.5	<0.5	<2.0	<1,000	<0.5	<0.5
	4/27/2006	<10	<0.5	<0.5	<2.0	<1,000	<0.5	<0.5
	8/1/2006	<10	<0.5	<0.5	<2.0	<1,000	<0.5	<0.5
	10/19/2006	<10	<0.5	<0.5	<2.0	<1,000	<0.5	<0.5
	1/12/2007	<2.0	<0.5	<0.5	<2.0	<1,000	<0.5	<0.5
	4/17/2007	6.72	<0.5	<0.5	<2.0	<1,000	<0.5	<0.5
	7/17/2007	7.6	<0.5	<0.5	<2.0	<1,000	<0.5	<0.5
	10/16/2007	9.96	<0.5	<0.5	<2.0	<1,000	<0.5	<0.5
	1/17/2008	<2.0	<0.5	<0.5	<2.0	<1,000	<0.5	<0.5
	4/17/2008	6.05	<0.5	<0.5	<2.0	<1,000	<0.5	<0.5
	7/16/2008	<2.0	<0.5	<0.5	<2.0	<1,000	<0.5	<0.5
	10/14/2008	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	1/6/2009	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	4/6/2009	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	7/7/2009	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	1/27/2010	<10	<0.5	<0.5	0.8	<1,000	<0.5	<0.5
7/26/2010	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5	
11/15/2010	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5	
2/14/2011	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5	
7/19/2011	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5	
1/18/2012	<1.5	<0.36	<0.4	<0.32	<100	<0.28	<0.19	
SOMA-5 pre-MPE	1/27/2010	500	<13	<13	<13	<25,000	<13	<13
	7/26/2010	<400	<20	<20	<20	<40,000	<20	<20
	11/15/2010	480	<2.0	<2.0	<2.0	<4,000	<2.0	<2.0
	2/15/2011	390	<13	<13	<13	<25,000	<13	<13
	6/16/2011	450	<20	<20	<20	NA	<20	<20
	7/19/2011	<71	<3.6	<3.6	<3.6	<7,100	<3.6	<3.6
	1/18/2012	11	<0.36	<0.4	<0.32	<100	<0.28	<0.19
SOMA-7 pre-MPE	8/30/2010	<33	<1.7	<1.7	<1.7	<3,300	<1.7	<1.7
	11/16/2010	<25	<1.3	<1.3	<1.3	<2,500	<1.3	<1.3
	2/15/2011	<25	<1.3	<1.3	<1.3	<2,500	<1.3	<1.3
	6/16/2011	<33	<1.7	<1.7	<1.7	NA	<1.7	<1.7
	7/19/2011	<25	<1.3	<1.3	<1.3	<2,500	<1.3	<1.3
	1/18/2012	<6.6	<1.6	<1.7	<1.4	<440	<1.2	<0.86
SOMA-8	8/30/2010	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	11/15/2010	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	2/14/2011	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	7/19/2011	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	1/18/2012	<1.5	<0.36	<0.4	<0.32	<100	<0.28	<0.19

Table 2
Historical Groundwater Analytical Data
Gasoline Oxygenates & Lead Scavengers
3519 Castro Valley Blvd, Castro Valley, CA

Monitoring Well	Date	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	ETHANOL (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)
OB-1 pre-MPE	6/16/2011	20	<0.5	<0.5	<0.5	NA	<0.5	<0.5
	7/19/2011	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	1/18/2012	<1.5	<0.36	<0.4	<0.32	<100	<0.28	<0.19
OB-2 pre-MPE	6/16/2011	220	<5.0	<5.0	<5.0	NA	<5.0	<5.0
	7/19/2011	260	<10	<10	<10	<20,000	<10	<10
	1/18/2012	94	<3.2	<3.5	<2.8	<880	<2.4	<1.7
Equipment Blanks								
EB-PMP	1/17/2008	<2.0	<0.5	<0.5	<2.0	<1000	<0.5	<0.5
EB-PRB	1/17/2008	<2.0	<0.5	<0.5	<2.0	<1000	<0.5	<0.5
EB-PMP2	1/17/2008	<2.0	<0.5	<0.5	<2.0	<1000	<0.5	<0.5
EB-PRB2	1/17/2008	<2.0	<0.5	<0.5	<2.0	<1000	<0.5	<0.5

Notes:

< : Not detected above laboratory reporting limit.

NA: Not Analyzed.

Well ESE-2 was inaccessible during the First Quarter 2007, dirt was covered over well

Well MW-7 had a car parked over it and was inaccessible during the First Quarter 2008 monitoring event.

The Third Quarter 2003 was the first time that SOMA analyzed groundwater samples at the Site.

The Third Quarter 2004 was the first time that SOMA analyzed groundwater samples at wells SOMA-1 to SOMA-4.

Gasoline Oxygenates:

TBA: tertiary butyl alcohol

DIPE: isopropyl ether

ETBE: ethyl tertiary butyl ether

TAME: methyl tertiary amyl ether

Ethanol

Lead Scavengers:

1,2-DCA: 1,2-Dichloroethane

EDB: 1,2-Dibromoethane

August 2010, reconstruct ESE-1R, ESE-2R, ESE-5R, MW-6R, MW-7R; install SOMA-7, SOMA-8. 8/30/10 investigation sampling

Figures

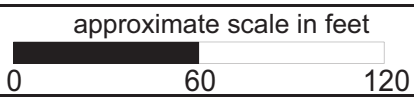
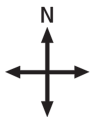
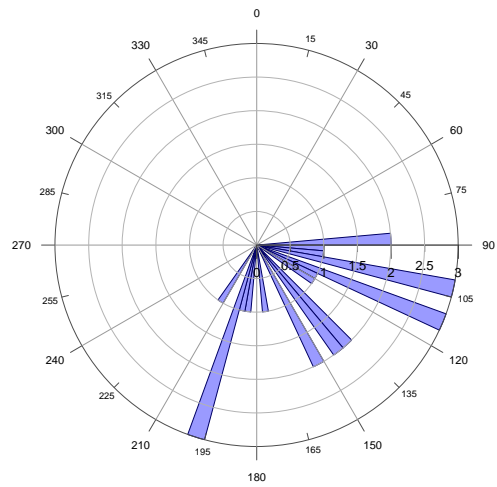
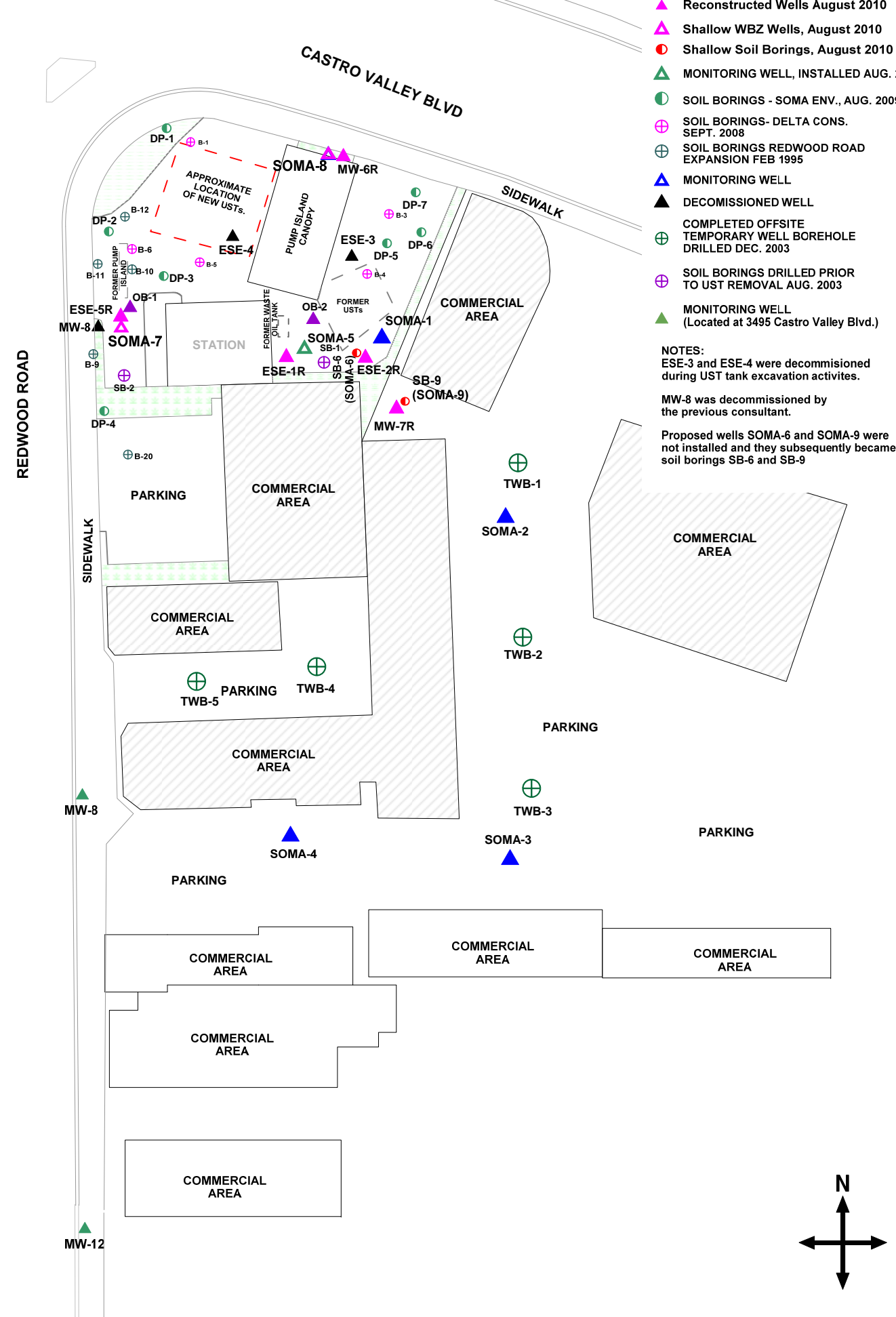
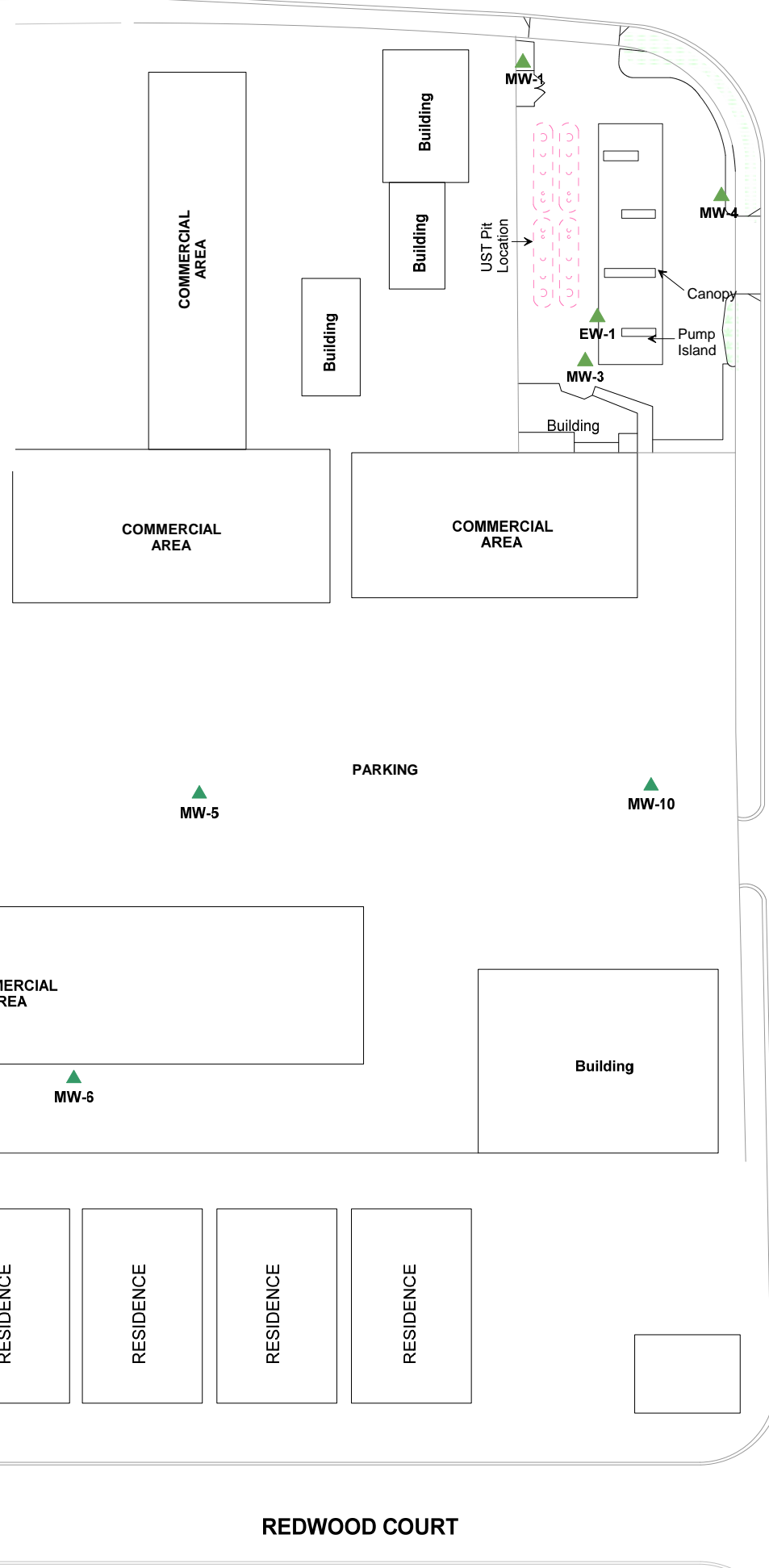


Figure 1: Site vicinity map.



Rose Diagram of Approximate Groundwater Flow Direction (3495 Castro Valley)



- ▲ Observation Wells June 2011
- ▲ Reconstructed Wells August 2010
- ▲ Shallow WBZ Wells, August 2010
- Shallow Soil Borings, August 2010
- ▲ MONITORING WELL, INSTALLED AUG. 2009
- SOIL BORINGS - SOMA ENV., AUG. 2009
- ⊕ SOIL BORINGS - DELTA CONS. SEPT. 2008
- ⊕ SOIL BORINGS REDWOOD ROAD EXPANSION FEB 1995
- ▲ MONITORING WELL
- ▲ DECOMMISSIONED WELL
- ⊕ COMPLETED OFFSITE TEMPORARY WELL BOREHOLE DRILLED DEC. 2003
- ⊕ SOIL BORINGS DRILLED PRIOR TO UST REMOVAL AUG. 2003
- ▲ MONITORING WELL (Located at 3495 Castro Valley Blvd.)

NOTES:
 ESE-3 and ESE-4 were decommissioned during UST tank excavation activities.
 MW-8 was decommissioned by the previous consultant.
 Proposed wells SOMA-6 and SOMA-9 were not installed and they subsequently became soil borings SB-6 and SB-9

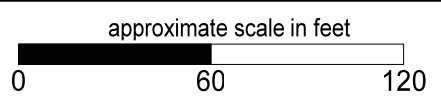
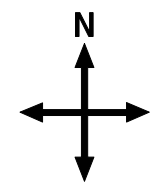


Figure 2: Site map showing locations of existing monitoring wells, decommissioned wells, offsite temporary well boreholes, monitoring wells installed by SOMA, and monitoring wells located at neighboring service station.



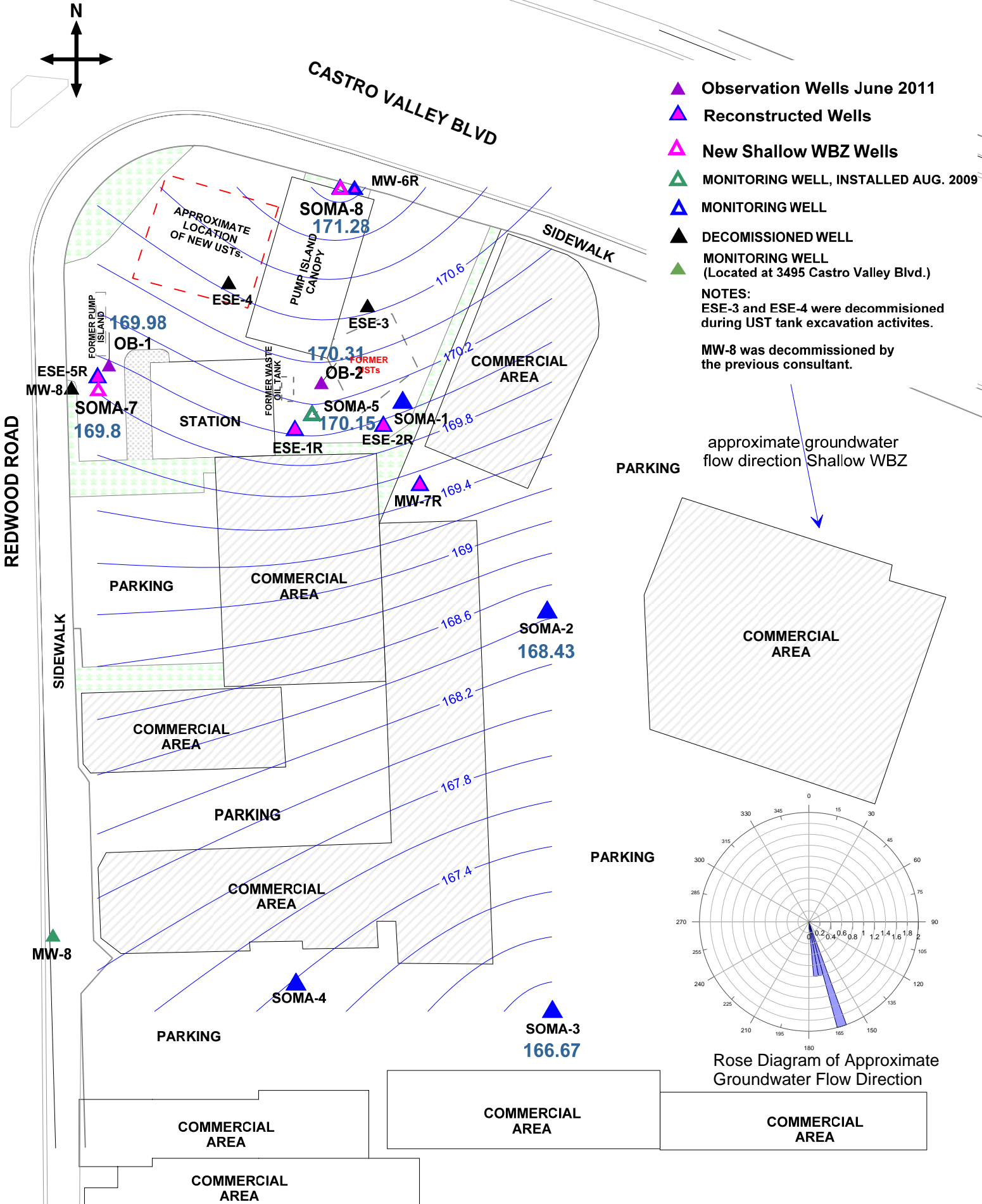


Figure 3: Groundwater Elevation Contour Map for Shallow WBZ Wells in Feet. January 18, 2012

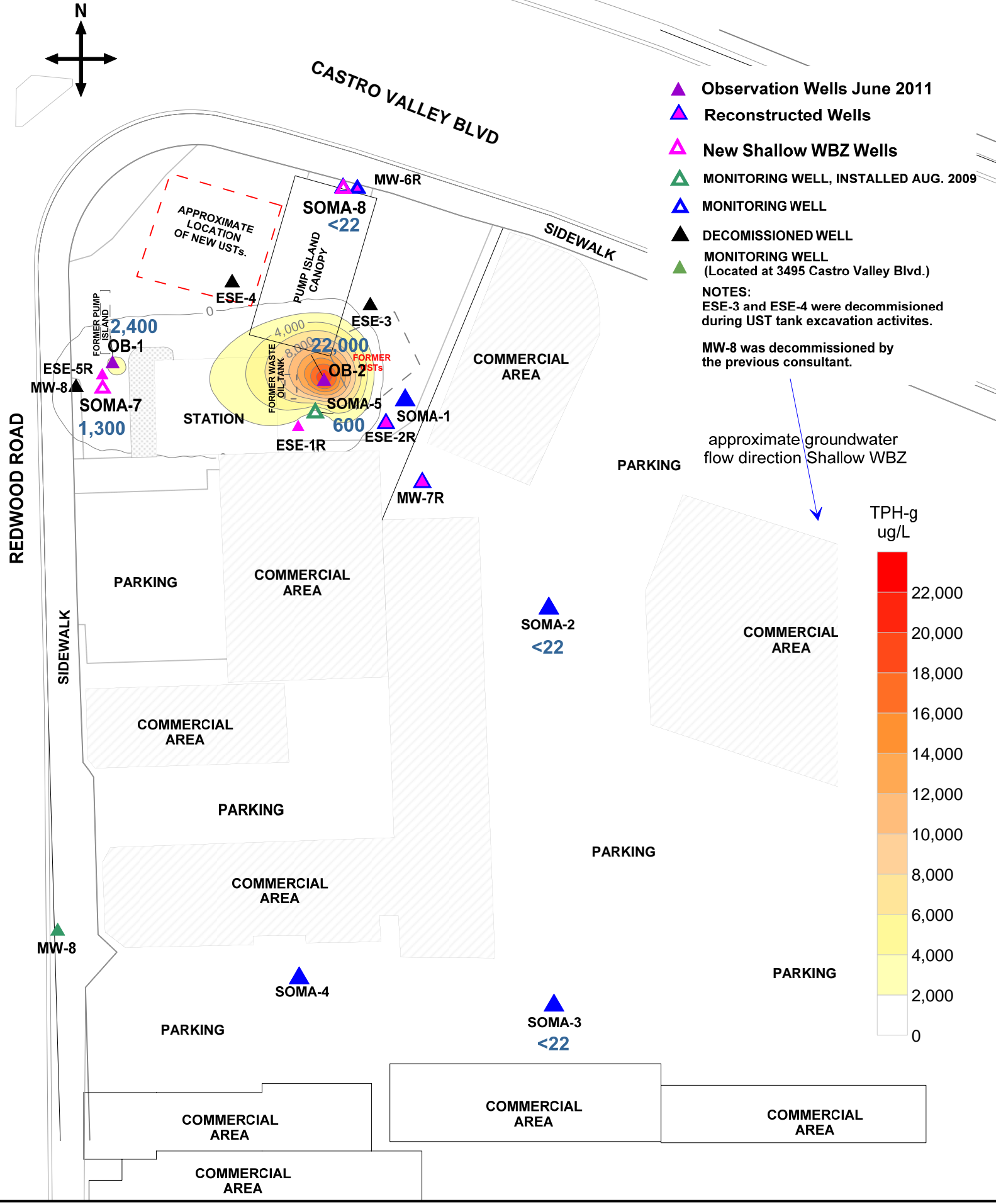
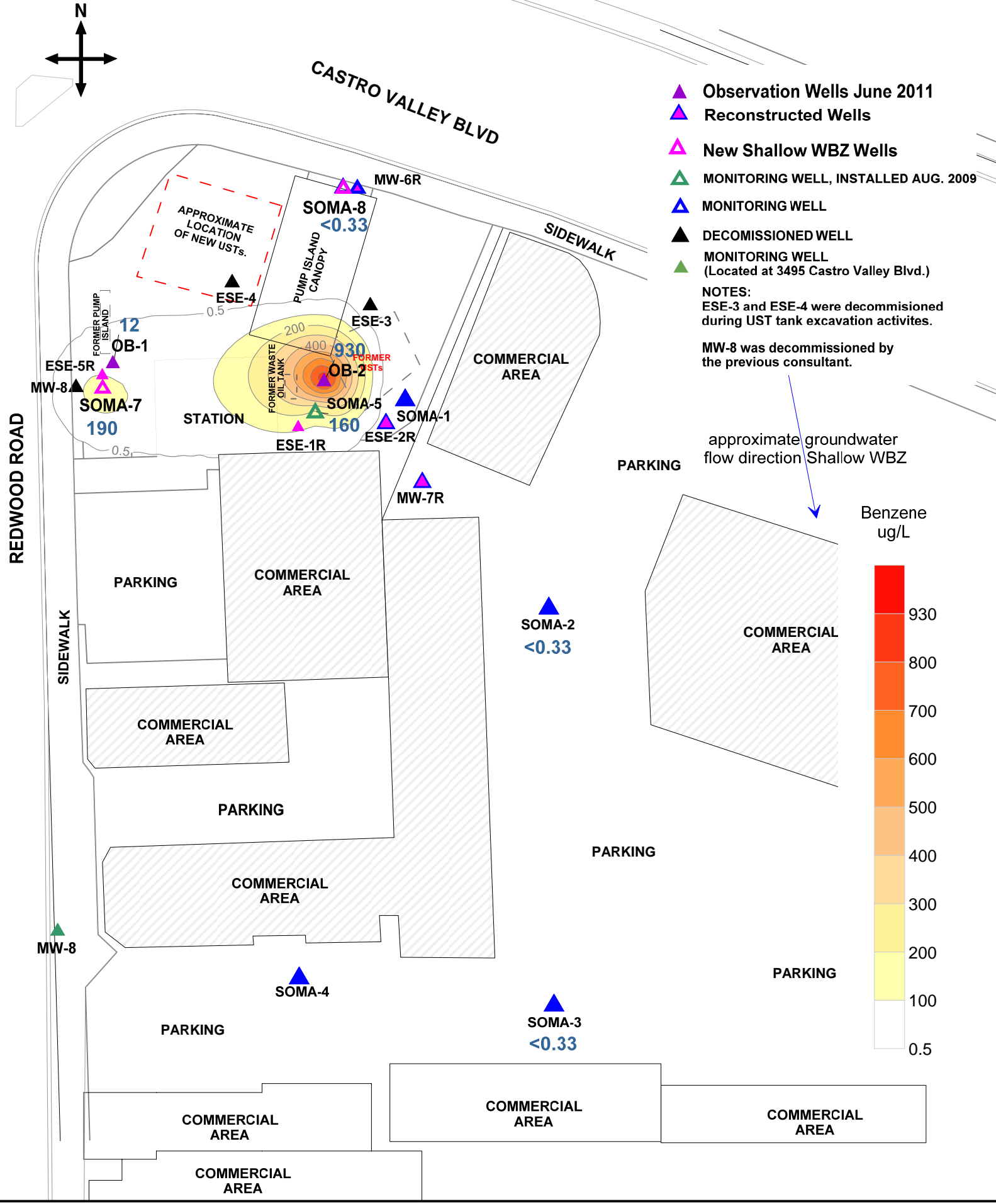


Figure 4: Contour Map of TPH-g Concentrations in Shallow WBZ Wells in Feet. January 18, 2012





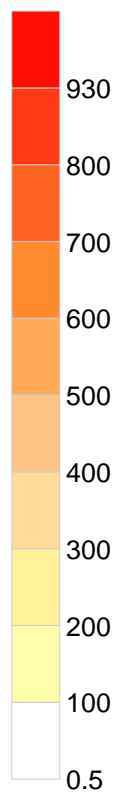
- ▲ Observation Wells June 2011
- ▲ Reconstructed Wells
- ▲ New Shallow WBZ Wells
- ▲ MONITORING WELL, INSTALLED AUG. 2009
- ▲ MONITORING WELL
- ▲ DECOMMISSIONED WELL
- ▲ MONITORING WELL (Located at 3495 Castro Valley Blvd.)

NOTES:
 ESE-3 and ESE-4 were decommissioned during UST tank excavation activities.

MW-8 was decommissioned by the previous consultant.

approximate groundwater flow direction Shallow WBZ

Benzene ug/L



approximate scale in feet

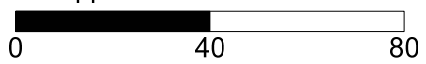


Figure 5: Contour Map of Benzene Concentrations in Shallow WBZ Wells in Feet. January 18, 2012



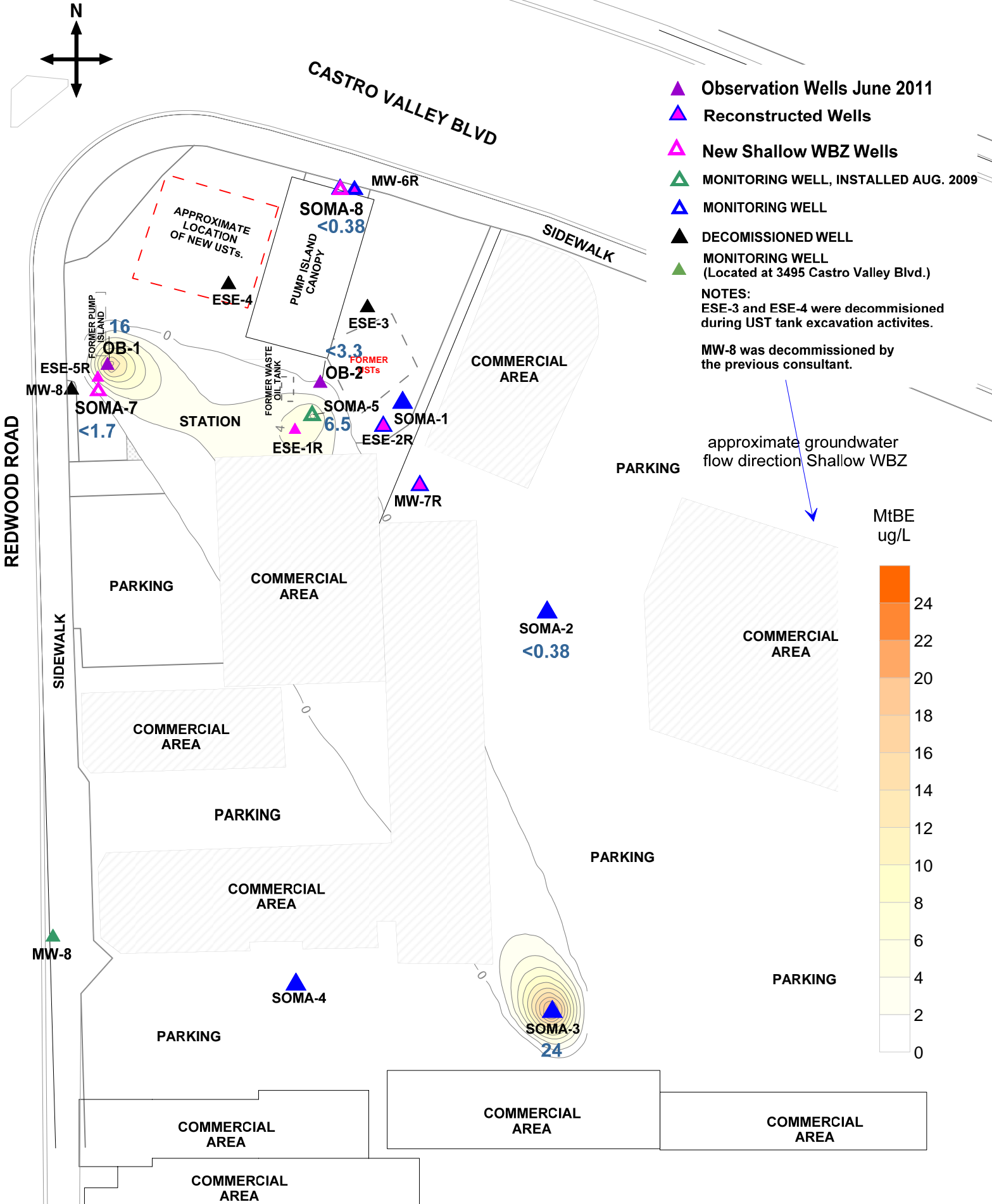
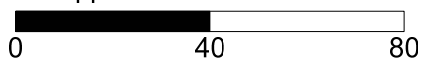


Figure 6: Contour Map of MtBE Concentrations in Shallow WBZ Wells in Feet. January 18, 2012

approximate scale in feet



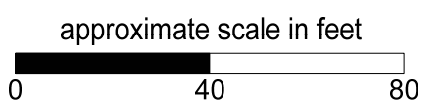
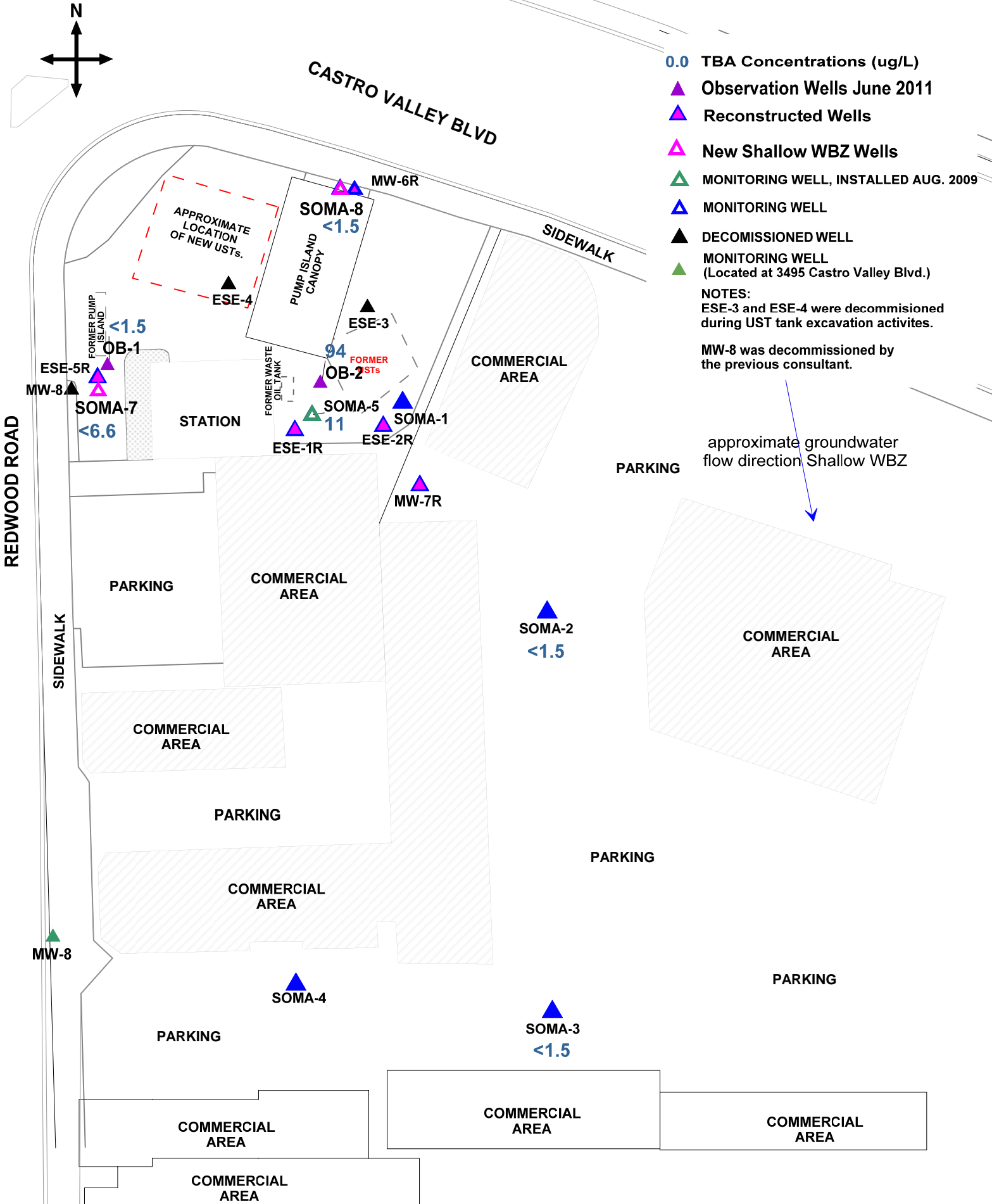


Figure 7: Map of TBA Concentrations in Shallow WBZ Wells in Feet. January 18, 2012



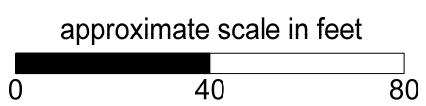
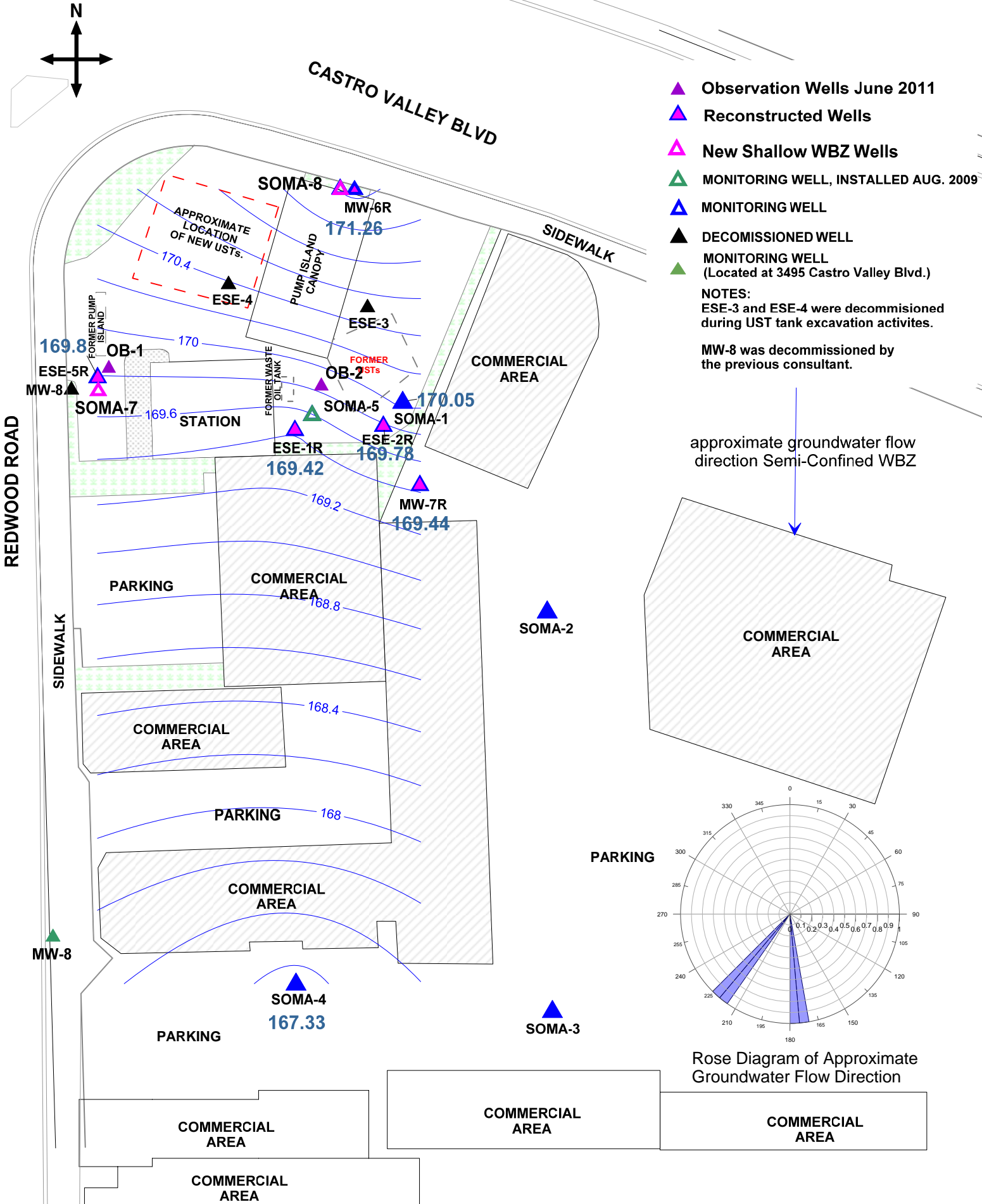


Figure 8: Groundwater Elevation Contour Map for Semi-Confined WBZ Wells in Feet. January 18, 2012



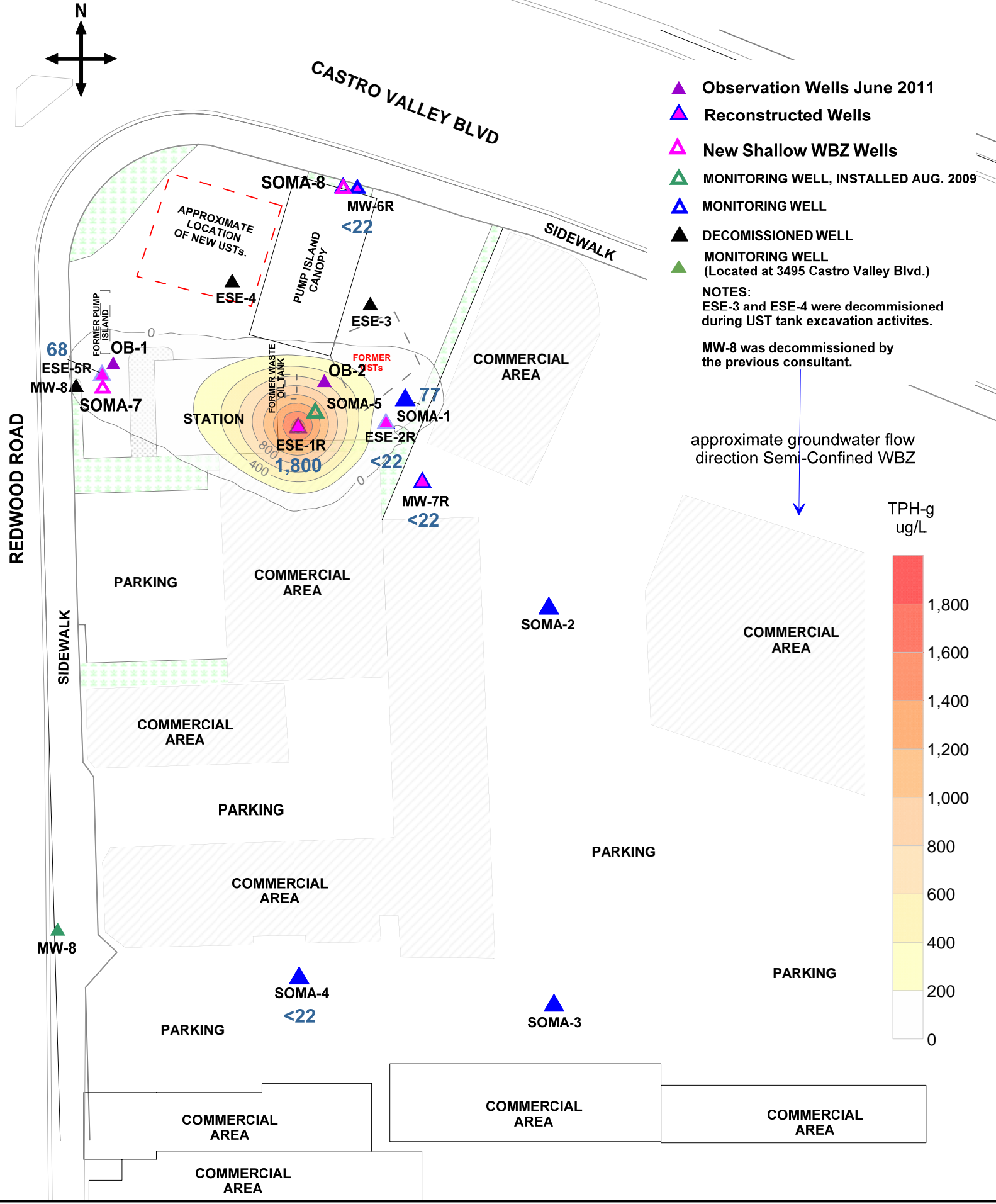


Figure 9: Contour Map of TPH-g Concentrations in Semi-Confined WBZ Wells. January 18, 2012

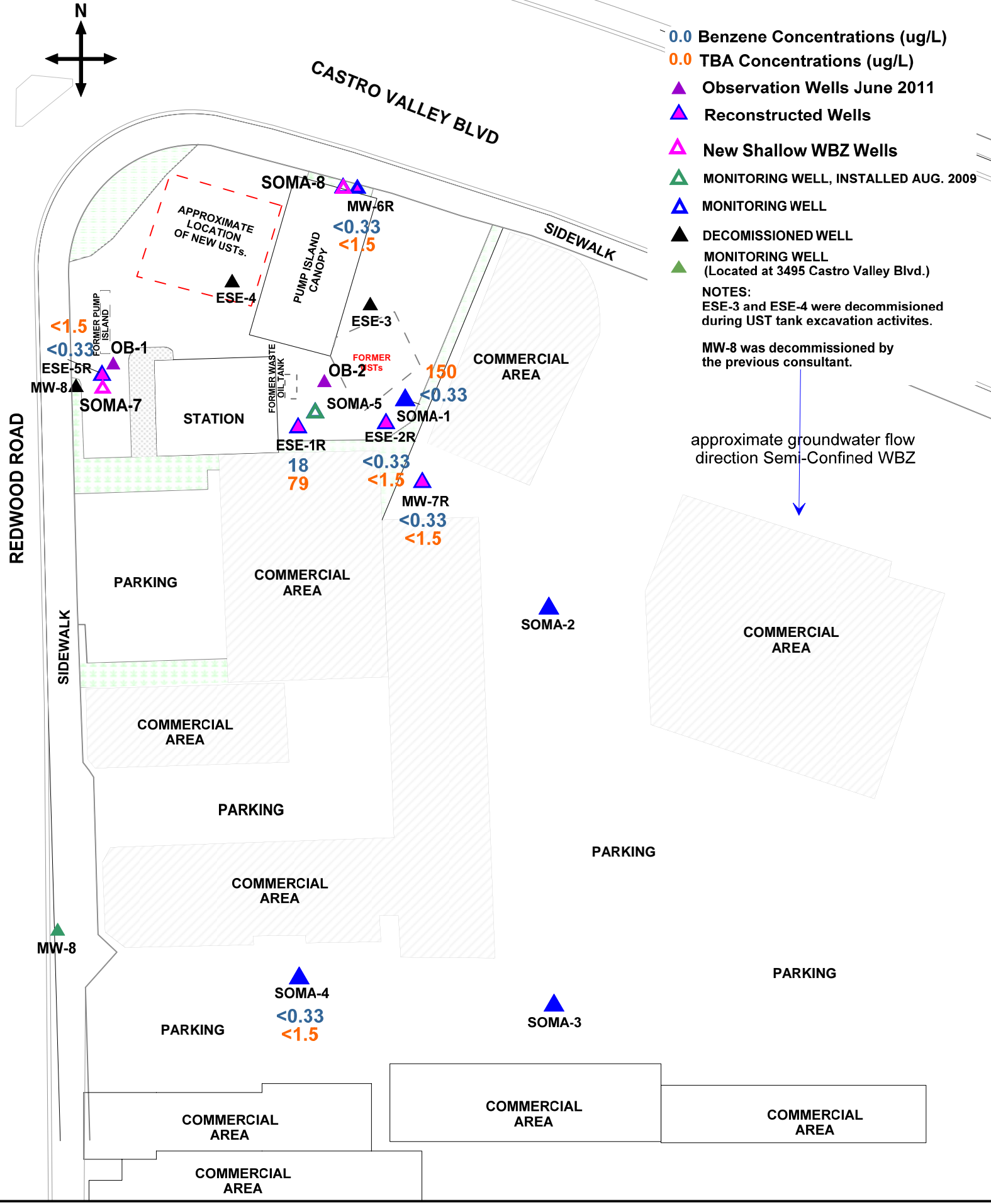
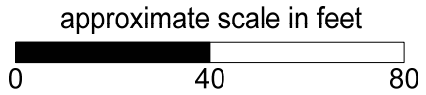


Figure 10: Map of Benzene and TBA Concentrations in Semi-Confined WBZ Wells. January 18, 2012



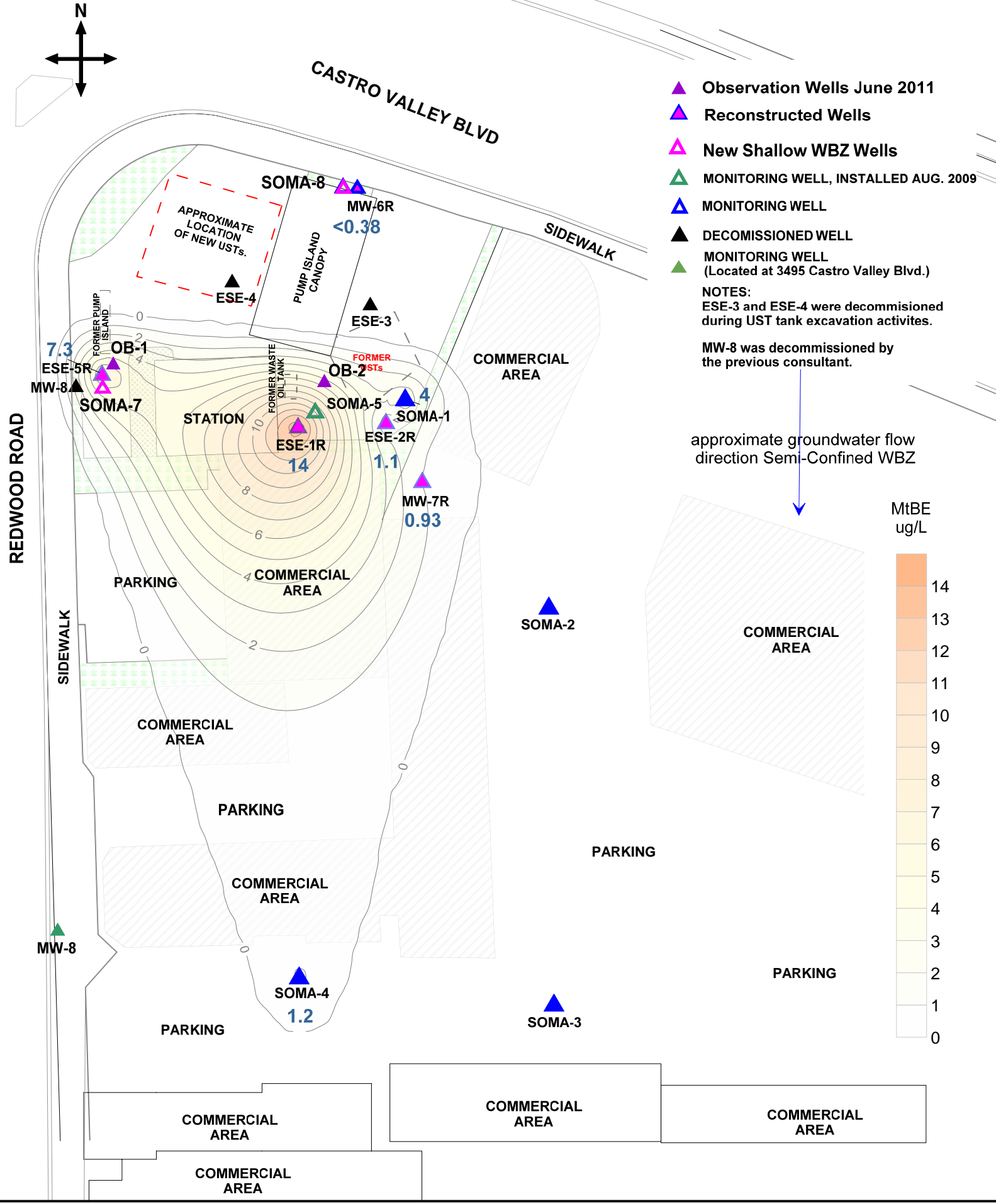


Figure 11: Contour Map of MtBE Concentrations in Semi-Confined WBZ Wells. January 18, 2012

Appendix A

Standard Operating Procedures for Conducting Groundwater Monitoring Activities

Standard Operating Procedures for Conducting Groundwater Monitoring Activities

Water Level Measurements

Prior to measurement of groundwater depth at each monitoring well, equalization with the surrounding aquifer must be achieved. Initially, the well cap is removed and the pressure is allowed to dissipate, creating a more stable water table level within the well. After about 10-15 minutes, once the water level in the well stabilizes, the depth to groundwater in each monitoring well is measured from the top of the casing to the nearest 0.01 foot using an electric sounder.

Purging and Field Measurements

Prior to sample collection, each monitoring well is purged using a battery-operated, 2-inch-diameter pump (Model ES-60 DC). To ensure that final samples are in equilibrium with, and representative of, the surrounding groundwater, during purging several samples are taken for field measurements of pH, temperature and electrical conductivity (EC). These parameters are measured with a Hanna pH, conductivity, and temperature meter. Equipment is calibrated on-site using standard solutions and procedures provided by the manufacturer.

The pH of groundwater has an effect on the activity of microbial populations in the groundwater. The groundwater temperature affects the metabolic activity of bacteria. The groundwater EC is directly related to the concentration of total dissolved solids (TDS) in solution.

Purging continues until these parameters stabilize or three casing volumes are purged.

Sampling

For sampling purposes, after purging a disposable polyethylene bailer is used to collect sufficient samples from each monitoring well for laboratory analyses. Groundwater samples are transferred to 40-mL VOA vials and preserved with hydrochloric acid. The vials are sealed to prevent air bubbles from forming within the headspace. For TPH-d analysis, groundwater samples are collected using 1-L, amber, nonpreserved glass containers. Samples are placed in an ice-filled cooler and maintained at 4°C. A chain of custody form for all samples is prepared to accompany the samples, which are promptly delivered to a California state-certified analytical laboratory.

Appendix B

Table of Elevations and Coordinates for
Monitoring Wells and
Field Measurements of Groundwater Sample
Properties for First Semi-Annual 2012
Monitoring Event

**TABLE OF ELEVATIONS & COORDINATES
ON MONITORING WELLS**
SOMA ENVIRONMENTAL
3519 CASTRO VALLEY BLVD., CASTRO VALLEY

WELL ID #	NORTHING (FT.) / LATITUDE (D.M.S.)	EASTING (FT.) / LONGITUDE (D.M.S.)	ELEVATION (FT.)	DESCRIPTION
ESE-1	2079361.15	6106465.13	180.24	2" PVC, NOTVH N. SIDE
	N 37° 41' 42.07112"	W 122° 04' 24.07899"	180.71	SET PUNCH NORTH SIDE RIM
			180.69	PAVEMENT NORTH SIDE
ESE-2	2079361.30	6106501.97	180.79	2" PVC, NOTVH N. SIDE
	N 37° 41' 42.07873"	W 122° 04' 23.62071"	181.16	SET PUNCH NORTH SIDE RIM
			181.14	CONC. NORTH SIDE
ESE-5	2079381.46	6106387.63	178.80	2" PVC, NOTVH N. SIDE
	N 37° 41' 42.25902"	W 122° 04' 25.04739"	179.07	FELT X ON NORTH SIDE RIM
			179.10	CONC. NORTH SIDE
MW-6	2079451.94	6106492.77	181.80	2" PVC, NOTVH N. SIDE
	N 37° 41' 42.97323"	W 122° 04' 23.75412"	181.97	SET PUNCH NORTH SIDE RIM
			181.88	GROUND NORTH SIDE
MW-7	2079337.18	6106516.12	179.11	2" PVC, NOTVH N. SIDE
	N 37° 41' 41.84264"	W 122° 04' 23.43963"	179.55	SET PUNCH NORTH SIDE RIM
			179.49	CONC. NORTH SIDE
SOMA-1	2079370.39	6106506.79	180.95	2" PVC, NOTVH N. SIDE
	N 37° 41' 42.16939"	W 122° 04' 23.56265"	181.25	SET PUNCH NORTH SIDE RIM
			181.22	CONC. NORTH SIDE
SOMA-2	2079297.44	6106567.02	178.99	2" PVC, NOTVH N. SIDE
	N 37° 41' 41.45825"	W 122° 04' 22.79809"	179.29	SET PUNCH NORTH SIDE RIM
			179.28	CONC. NORTH SIDE
SOMA-3	2079130.83	6106567.48	176.81	2" PVC, NOTVH N. SIDE
	N 37° 41' 39.81129"	W 122° 04' 22.75752"	177.18	SET PUNCH NORTH SIDE RIM
			177.12	PAVEMENT NORTH SIDE
SOMA-4	2079141.57	6106464.22	176.94	2" PVC, NOTVH N. SIDE
	N 37° 41' 39.9003"	W 122° 04' 24.04438"	177.43	SET PUNCH NORTH SIDE RIM
			177.44	PAVEMENT NORTH SIDE

**TABLE OF ELEVATIONS & COORDINATES
ON MONITORING WELLS**

SOMA ENVIRONMENTAL
3519 CASTRO VALLEY BLVD., CASTRO VALLEY

ADDITIONAL POINTS

PT#	NORTHING (FT.)	EASTING (FT.)	ELEVATION (FT.)	DESCRIPTION
320	2079386.87	6106408.85	N/A	BL. INTX
321	2079387.18	6106455.22	N/A	BL. INTX
331	2079351.06	6106409.27	N/A	BL<
318	2079384.55	6106369.10	N/A	DWY
329	2079106.74	6106368.58	N/A	DWY
330	2079148.74	6106368.66	N/A	DWY
317	2079424.72	6106369.39	N/A	DWY E-C
315	2079481.34	6106432.38	N/A	DWY PCC
310	2079415.57	6106624.48	N/A	DWY POC
311	2079423.23	6106606.56	N/A	DWY POC
312	2079447.91	6106542.76	N/A	DWY POC
313	2079461.36	6106504.01	N/A	DWY POC
314	2079472.67	6106468.07	N/A	DWY POC
316	2079466.76	6106389.18	N/A	HCRMP POC
319	2079237.38	6106368.78	N/A	TC

BENCH MARK: NGS Bench mark No.PID# HT0223

THE STATION IS LOCATED IN THE CITY OF HAYWARD AT THE RAILROAD CROSSING OF THE SOUTHERN PACIFIC RAIL-ROAD AND BLOSSOM WAY, IN THE TOP OF THE NORTHWEST CURB OF BLOSSOM WAY.

TO REACH THE STATION FROM THE JUNCTION OF U S HIGHWAY 880 ON WEST A STREET, GO SOUTHEAST ON WEST A STREET FOR 0.2 MILES TO A CROSSROAD, HATHAWAY AVE ON THE LEFT, SANTA CLARA STREET ON THE RIGHT. TURN LEFT, NORTH, ON HATHAWAY AVENUE AND CONTINUE FOR 0.7 MILES TO WEST BLOSSOM WAY. TURN RIGHT, NORTH, ON WEST BLOSSOM WAY AND CONTINUE FOR 0.25 MILES TO THE STATION ON THE LEFT, JUST PAST THE RAIL-ROAD TRACKS.

THE STATION IS 48.95 M (160.6 FT) NORTHEAST OF THE NORTHEAST RAIL, 7.01 M NORTHWEST OF THE CENTER OF BLOSSOM WAY, 0.24 M (0.8 FT) NORTH OF THE NORTH CORNER OF A STEEL GRATE IN THE STREET, 5.6 M (18.5 FT) SOUTHWEST OF A POWER POLE AND 0.12 M (0.4 FT) HIGHER THAN THE STREET.

Elevation =56.33 FEET NAVD88 Datum
ADJUSTED

HORIZONTAL CONTROL:

PID - HT0223

NORTHING =2,072,670.26 , EASTING = 6,095,650.79 FEET; EPOCH DATE = 1998.50

PID - HT 2583

Kier & Wright Engineers Surveyors, Inc.

6/21/2005
10:19 AM
3519 Castro Valley

1233 Quarry Lane, Suite 145, Pleasanton, CA 94566
Phone (925) 249-6555,
Fax (925) 249-6563

DATE: 6/21/04
JOB# A0459

**TABLE OF ELEVATIONS & COORDINATES
ON MONITORING WELLS**

SOMA ENVIRONMENTAL
3519 CASTRO VALLEY BLVD., CASTRO VALLEY

NORTHING =2,082,510.30 , EASTING = 6,116,892.13 FEET; EPOCH DATE = 1991.35

Coordinate values are based on the California Coordinate System, Zone III NAD 83 Datum.

6/21/2005
10:19 AM
3519 Castro Valley

Kier & Wright Engineers Surveyors, Inc.
1233 Quarry Lane, Suite 145, Pleasanton, CA 94566
Phone (925) 249-6555,
Fax (925) 249-6563

3 OF 3

Ben Harrington PLS

Land Surveying & Mapping

2278 Larkey Lane, Walnut Creek, Ca. 94596 Phone (925)935-7228 Fax (925)935-5118
Cel (925)788-7359 E-Mail (ben5132@pacbell.net)

Soma Environmental Engineering
6620 Owens Dr
Suite A
Pleasanton Ca. 94588

Sept 04, 2009

Attn: Elena
Job # 2903

Ref: 3519 Castro Valley Blvd. Castro Valley Ca.

HORIZONTAL CONTROL, NAD 88:

Survey based previous survey dated 6/21/04 by Kier & Wright Surveyors on California
Coordinate System, Zone 3, NAD 83.

ESE-1 NOTCH IN TOP OF 2" PVC, NORTH 2,079,361.15 EAST 6,106,465.13 LAT.
N37°41'42.17112" W122°04'24.07899", NAVD 88, ELEV.180.24.

ESE-2 NOTCH IN TOP OF 2" PVC, NORTH 2,079,361.30 EAST 6,106,501.97, LAT.
N37°41'42.07873" W122°04'23.62071", NAVD 88, ELEV. 180.79.

GPS: TRIMBLE 5800, LEICA TCA 1800, 1" HORZ. & VERT.

EPOCH DATE 2007.00

OBSERVATION: EPOCH=180.

FIELD SURVEY: 9-04-09.

Ben Harrington
PLS 5132



NEW MONITORING WELL
3519 CASTRO VALLEY BLVD.
CASTRO VALLEY CA.

BEN HARRINGTON PLS
2278 LARKEY LANE
WALNUT CREEK CA 94597

JOB # 2913
DATE: 09/04/09

PT#	NORTH	EAST	ELEV	DESC.	LATITUDE N.DMS	LONGTITUDE W.DMS	LAT.N. DEC. DEG.	LONG.W.DEC.DEG.
21	2079379.07	6106486.97	180.65	SET X IN CONC.	N37°41'42.25136"	W122°04'23.62071"	N37°.695069822"	W122°.073227975"
2	2079361.30	6106501.97	180.79	ESE-2 2" PVC	N37°41'42.25902"	W122°04'28.81106"	N37°.695071950"	W122°.074669739"
1	2079361.15	6106465.13	180.24	ESE-1 2" PVC	N37°41'42.17112"	W122°04'24.07899"	N37°.695047533"	W122°.073355275"
22	2079365.14	6106472.19	180.31	SOMA-5 2" PVC	N37°41'42.11178"	W122°04'23.99204"	N37°.695031050"	W122°.073331122"
23	2079365.35	6106472.21	180.65	SPMA-5 PUNCH	N37°41'42.11384"	W122°04'23.99185"	N37°.695031622"	W122°.073331069"
24	2079364.24	6106472.19	180.66	SOMA-5 CONC.	N37°41'42.39919"	W122°04'23.99187"	N37°.695110886"	W122°.073331075"



P.O.
 920935511A
 Sep 28 2009 11:44AM Harrington Surveys Inc.

DATE: 08/30/2010

JOB# 10022

TABLE OF ELEVATIONS & COORDINATES**ON MONITORING WELLS**

SOMA ENVIRONMENTAL ENGINEERING

3519 CASTRO VALLEY

CASTRO VALLEY, CA

WELL ID #	NORTHING (FT.) / LATITUDE (D.DEG.)	EASTING (FT.) / LONGITUDE (D.DEG.)	ELEVATION (FT.)	DESCRIPTION
ESE-1R	2079361.109	6106465.242	180.20	2" PVC NOTCH NORTH SIDE
	37.695019649N	122.073354886W	180.72	SET PUNCH NORTH SIDE RIM
			180.69	CONCRETE NORTH SIDE
ESE-2R	2079361.241	6106502.129	180.70	2" PVC NOTCH NORTH SIDE
	37.695021715N	122.073227422W	181.20	SET PUNCH NORTH SIDE RIM
			181.16	CONCRETE NORTH SIDE
ESE-5R	2079381.529	6106387.748	178.64	2" PVC NOTCH NORTH SIDE
	37.695072144N	122.073623872W	179.14	SET PUNCH NORTH SIDE RIM
			179.12	PAVEMENT NORTH SIDE
MW-6R	2079451.45	6106492.729	181.34	2" PVC NOTCH NORTH SIDE
	37.695268993N	122.073265147W	182.10	SET PUNCH NORTH SIDE RIM
			182.01	GROUND NORTH SIDE
SOMA-7	2079374.578	6106387.784	178.54	2" PVC NOTCH NORTH SIDE
	37.695053058N	122.073623344W	179.09	SET PUNCH NORTH SIDE RIM
			179.06	PAVEMENT NORTH SIDE
MW-7R	2079337.204	6106516.216	179.14	2" PVC NOTCH NORTH SIDE
	37.694956360N	122.073177344W	179.71	SET PUNCH NORTH SIDE RIM
			179.70	PAVEMENT NORTH SIDE
SOMA-8	2079453.231	6106488.22	181.57	2" PVC NOTCH NORTH SIDE
	37.695273676N	122.073280832W	182.03	SET PUNCH NORTH SIDE RIM
			181.92	GROUND NORTH SIDE

HORIZONTAL AND VERTICAL CONTROL

SURVEY BASED ON PREVIOUS SURVEY BY KIER & WRIGHT ENGINEERS SURVEYORS, INC. DATED:
6/21/2005

COORDINATE VALUES ARE BASED ON THE CALIFORNIA COORDINATE SYSTEM, ZONE 3, NAD83.

ELEVATIONS ARE NAVD 88 DATUM.

SOMA-1, NOTCH

NORTHING 2,079,370.39, EASTING 6,106,506.79

ELEVATION 180.95

SOMA-2, NOTCH

NORTHING 2,079,297.44, EASTING 6,106,567.02

ELEVATION 178.99

**Eduardo A. Espinoza**

Land Surveying and Mapping

1374 Garland Avenue, Clovis, CA 93612

Phone (559) 906-3554 Fax (559) 292-0560

email: edgis@aol.com

**TABLE OF ELEVATIONS & COORDINATES
ON MONITORING WELLS**
SOMA ENVIRONMENTAL ENGINEERING
3519 CASTRO VALLEY BOULEVARD
CASTRO VALLEY, CA

WELL ID #	NORTHING (FT.) / LATITUDE (D.DEG.)	EASTING (FT.) / LONGITUDE (D.DEG.)	ELEVATION (FT.)	DESCRIPTION
OB-1	2079384.618	6106391.986	178.698	2" PVC NOTCH NORTH SIDE
	37.695080822 N	122.073609406 W	179.254	PUNCH NORTH SIDE RIM
			179.247	PAVEMENT NORTH SIDE
OB-2	2079378.94	6106477.954	180.227	2" PVC NOTCH NORTH SIDE
	37.695069200 N	122.073311993 W	180.616	PUNCH NORTH SIDE RIM
			180.595	PAVEMENT NORTH SIDE

HORIZONTAL AND VERTICAL CONTROL
 SURVEY BASED ON PREVIOUS SURVEY BY EDGIS LAND SURVEYING DATED: 8/30/2010
 COORDINATE VALUES ARE BASED ON THE CALIFORNIA COORDINATE SYSTEM, ZONE 3, NAD83.
 ELEVATIONS ARE NAVD 88 DATUM.

SOMA-1, NOTCH
 NORTHING 2,079,370.39, EASTING 6,106,506.79, ELEVATION 180.95

SOMA-8, PUNCH
 NORTHING 2,079,453.45, EASTING 6,106,488.28, ELEVATION 181.65

EQUIPMENT USED: TRIMBLE S6, TOPCON GT-3S



ENVIRONMENTAL ENGINEERING, INC

Well No.: ESE-1R
 Casing Diameter: 2 inches
 Depth of Well: 24.53 feet
 Top of Casing Elevation: 180.20 feet
 Depth to Groundwater: 10.78 feet
 Groundwater Elevation: 169.42 feet
 Water Column Height: 13.75 feet
 Purged Volume: 6 gallons

Project No.: 2761
 Address: 3519 Castro Valley Blvd
 Castro Valley, CA
 Date: January 18, 2012
 Sampler: Lizzie Hightower

Purging Method: Bailer Pump
 Sampling Method: Bailer Pump
 Color: No Yes Describe: Cloudy
 Sheen: No Yes Describe: _____
 Odor: No Yes Describe: Petro Odor

Field Measurements:

Time	Vol (gallons)	pH	Temp (°C)	E.C. (µs/cm)
14:01	Started purging well			
14:02	2	6.67	19.5	1070
14:03	4	6.68	19.6	1055
14:04	6	6.68	19.7	1030
14:09	Sampled			



ENVIRONMENTAL ENGINEERING, INC

Well No.: ESE-2R
Casing Diameter: 2 inches
Depth of Well: 27.54 feet
Top of Casing Elevation: 180.70 feet
Depth to Groundwater: 10.92 feet
Groundwater Elevation: 169.78 feet
Water Column Height: 16.62 feet
Purged Volume: 8 gallons

Project No.: 2761
Address: 3519 Castro Valley Blvd
Castro Valley, CA
Date: January 18, 2012
Sampler: Lizzie Hightower

Purging Method: Bailer Pump
Sampling Method: Bailer Pump
Color: No Yes Describe: _____
Sheen: No Yes Describe: _____
Odor: No Yes Describe: _____

Field Measurements:

Time	Vol (gallons)	pH	Temp (°C)	E.C. (µs/cm)
13:37	Started purging well			
13:38	2	6.98	20.8	873
13:39	4	6.89	20.5	857
13:40	6	6.81	20.3	842
13:41	8	6.80	20.2	843
13:46	Sampled			



ENVIRONMENTAL ENGINEERING, INC

Well No.: ESE-5R Project No.: 2761
 Casing Diameter: 2 inches Address: 3519 Castro Valley Blvd
 Depth of Well: 23.54 feet Castro Valley, CA
 Top of Casing Elevation: 178.64 feet Date: January 18 2012
 Depth to Groundwater: 8.84 feet Sampler: Lizzie Hightower
 Groundwater Elevation: 169.80 feet
 Water Column Height: 14.70 feet
 Purged Volume: 6 gallons

Purging Method: Bailer Pump
 Sampling Method: Bailer Pump
 Color: No Yes Describe: _____
 Sheen: No Yes Describe: _____
 Odor: No Yes Describe: Slight Petro

Field Measurements:

Time	Vol (gallons)	pH	Temp (°C)	E.C. (µs/cm)
15:26	Started purging well			
15:27	2	7.76	19.3	694
15:28	4	7.63	19.4	694
15:29	6	7.60	20.3	787
15:34	Sampled			



ENVIRONMENTAL ENGINEERING, INC

Well No.: MW-6R
 Casing Diameter: 2 inches
 Depth of Well: 27.57 feet
 Top of Casing Elevation: 181.34 feet
 Depth to Groundwater: 10.08 feet
 Groundwater Elevation: 171.26 feet
 Water Column Height: 17.49 feet
 Purged Volume: 8 gallons

Project No.: 2761
 Address: 3519 Castro Valley Blvd
 Castro Valley, CA
 Date: January 18, 2012
 Sampler: Lizzie Hightower

Purging Method: Bailer Pump
 Sampling Method: Bailer Pump
 Color: No Yes Describe: _____
 Sheen: No Yes Describe: _____
 Odor: No Yes Describe: _____

Field Measurements:

Time	Vol (gallons)	pH	Temp (°C)	E.C. (µs/cm)
12:33	Started purging well			
12:34	2	6.96	19.1	649
12:35	4	6.85	19.4	664
12:36	6	6.83	19.7	667
12:37	8	6.80	19.7	669
12:42	Sampled			



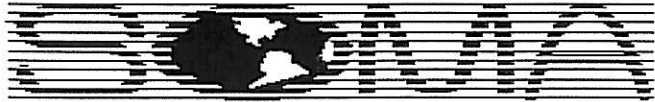
ENVIRONMENTAL ENGINEERING, INC

Well No.: MW-7R Project No.: 2761
 Casing Diameter: 2 inches Address: 3519 Castro Valley Blvd
 Depth of Well: 29.59 feet Castro Valley, CA
 Top of Casing Elevation: 179.14 feet Date: January 18, 2012
 Depth to Groundwater: 9.70 feet Sampler: Lizzie Hightower
 Groundwater Elevation: 169.44 feet
 Water Column Height: 19.89 feet
 Purged Volume: 8 gallons

Purging Method: Bailer Pump
 Sampling Method: Bailer Pump
 Color: No Yes Describe: cloudy
 Sheen: No Yes Describe: _____
 Odor: No Yes Describe: _____

Field Measurements:

Time	Vol (gallons)	pH	Temp (°C)	E.C. (µs/cm)
11:29	Started purging well			
11:30	2	7.10	17.9	659
11:31	4	6.90	18.3	687
11:32	6	6.86	18.6	686
11:33	8	6.81	18.7	690
11:38	Sampled			



ENVIRONMENTAL ENGINEERING, INC

Well No.: SOMA-1 Project No.: 2761
 Casing Diameter: 2 inches Address: 3519 Castro Valley Blvd
 Depth of Well: 29.74 feet Castro Valley, CA
 Top of Casing Elevation: 180.95 feet Date: January 18 2012
 Depth to Groundwater: 10.90 feet Sampler: Lizzie Hightower
 Groundwater Elevation: 170.05 feet
 Water Column Height: 18.84 feet
 Purged Volume: 8 gallons

Purging Method: Bailer Pump
 Sampling Method: Bailer Pump
 Color: No Yes Describe: _____
 Sheen: No Yes Describe: _____
 Odor: No Yes Describe: _____

Field Measurements:

Time	Vol (gallons)	pH	Temp (°C)	E.C. (µs/cm)
13:17	Started purging well			
13:18	2	6.80	19.5	889
13:19	4	6.74	19.5	888
13:20	6	6.73	19.6	906
13:21	8	6.69	19.7	913
13:26	Sampled			



ENVIRONMENTAL ENGINEERING, INC

Well No.: SOMA-4 Project No.: 2761
 Casing Diameter: 2 inches Address: 3519 Castro Valley Blvd
 Depth of Well: 22.65 feet Castro Valley, CA
 Top of Casing Elevation: 176.94 feet Date: January 18, 2012
 Depth to Groundwater: 9.61 feet Sampler: Lizzie Hightower
 Groundwater Elevation: 167.33 feet
 Water Column Height: 13.04 feet
 Purged Volume: 6 gallons

Purging Method: Bailer Pump
 Sampling Method: Bailer Pump
 Color: No Yes Describe: _____
 Sheen: No Yes Describe: _____
 Odor: No Yes Describe: _____

Field Measurements:

Time	Vol (gallons)	pH	Temp (°C)	E.C. (µs/cm)
10:19	Started purging well			
10:20	2	6.72	20.2	601
10:21	4	6.73	20.7	610
10:22	6	6.72	21.0	614
10:27	Sampled			



ENVIRONMENTAL ENGINEERING, INC

Well No.: SOMA-2
 Casing Diameter: 2 inches
 Depth of Well: 14.70 feet
 Top of Casing Elevation: 178.99 feet
 Depth to Groundwater: 10.56 feet
 Groundwater Elevation: 168.43 feet
 Water Column Height: 4.14 feet
 Purged Volume: 2 gallons

Project No.: 2761
 Address: 3519 Castro Valley Blvd
 Castro Valley, CA
 Date: January 18, 2012
 Sampler: Lizzie Hightower

Purging Method: Bailer Pump
 Sampling Method: Bailer Pump
 Color: No Yes Describe: _____
 Sheen: No Yes Describe: _____
 Odor: No Yes Describe: _____

Field Measurements:

Time	Vol (gallons)	pH	Temp (°C)	E.C. (µs/cm)
11:06	Started purging well			
11:08	1	7.26	18.8	585
11:10	1.5	7.15	19.1	590
11:12	2	7.11	19.1	596
11:17	Sampled			



ENVIRONMENTAL ENGINEERING, INC

Well No.: SOMA-3
 Casing Diameter: 2 inches
 Depth of Well: 14.70 feet
 Top of Casing Elevation: 176.81 feet
 Depth to Groundwater: 10.14 feet
 Groundwater Elevation: 166.67 feet
 Water Column Height: 4.56 feet
 Purged Volume: 2.25 gallons

Project No.: 2761
 Address: 3519 Castro Valley Blvd
 Castro Valley, CA
 Date: January 18, 2012
 Sampler: Lizzie Hightower

Purging Method: Bailer Pump
 Sampling Method: Bailer Pump

Color: No Yes Describe: Cloudy / Brown
 Sheen: No Yes Describe: _____
 Odor: No Yes Describe: Cloudy / Brown

Field Measurements:

Time	Vol (gallons)	pH	Temp (°C)	E.C. (µs/cm)
10:44	Start and purging well			
10:46	1	6.87	19.8	837
10:49	1.75	6.85	20.4	835
10:52	2.25	6.88	20.5	833
10:57	Sampled			



ENVIRONMENTAL ENGINEERING, INC

Well No.: SOMA-5 Project No.: 2761
 Casing Diameter: 2 inches Address: 3519 Castro Valley Blvd
 Depth of Well: 14.87 feet Castro Valley, CA
 Top of Casing Elevation: 180.31 feet Date: January 18, 2012
 Depth to Groundwater: 10.16 feet Sampler: Lizzie Hightower
 Groundwater Elevation: 170.15 feet
 Water Column Height: 4.71 feet
 Purged Volume: 2.25 gallons

Purging Method: Bailer Pump
 Sampling Method: Bailer Pump
 Color: No Yes Describe: Cloudy / Brown
 Sheen: No Yes Describe: _____
 Odor: No Yes Describe: Slight Petro

Field Measurements:

Time	Vol (gallons)	pH	Temp (°C)	E.C. (µs/cm)
14:22	Started purging well			
14:25	1	6.96	17.9	1487
14:28	1.75	6.94	18.2	1510
14:30	2.25	6.96	18.4	1502
14:35	Sampled			



ENVIRONMENTAL ENGINEERING, INC

Well No.: SOMA-7
 Casing Diameter: 2 inches
 Depth of Well: 14.89 feet
 Top of Casing Elevation: 178.54 feet
 Depth to Groundwater: 8.74 feet
 Groundwater Elevation: 169.80 feet
 Water Column Height: 6.15 feet
 Purged Volume: 3 gallons

Project No.: 2761
 Address: 3519 Castro Valley Blvd
 Castro Valley, CA
 Date: January 18 2012
 Sampler: Lizzie Hightower

Purging Method: Bailer Pump
 Sampling Method: Bailer Pump

Color: No Yes Describe: Cloudy / Gray
 Sheen: No Yes Describe: Rainbow Sheen
 Odor: No Yes Describe: Petro odor

Field Measurements:

Time	Vol (gallons)	pH	Temp (°C)	E.C. (µs/cm)
15:41	Started purging well			
15:43	1	6.93	18.9	976
15:45	2	6.85	19.2	967
15:48	3	6.86	19.7	899
15:53	Sampled			



ENVIRONMENTAL ENGINEERING, INC

Well No.: SOMA-8
 Casing Diameter: 2 inches
 Depth of Well: 14.89 feet
 Top of Casing Elevation: 181.57 feet
 Depth to Groundwater: 10.29 feet
 Groundwater Elevation: 171.28 feet
 Water Column Height: 4.60 feet
 Purged Volume: 2.25 gallons

Project No.: 2761
 Address: 3519 Castro Valley Blvd
 Castro Valley, CA
 Date: January 18, 2012
 Sampler: Lizzie Hightower

Purging Method: Bailer Pump
 Sampling Method: Bailer Pump

Color: No Yes Describe: Cloudy / Brown
 Sheen: No Yes Describe: _____
 Odor: No Yes Describe: _____

Field Measurements:

Time	Vol (gallons)	pH	Temp (°C)	E.C. (µs/cm)
12:51	Started purging well			
12:53	1	7.06	18.1	840
12:56	1.75	7.05	18.6	847
12:59	2.25	7.07	18.8	853
13:04	Sample			



ENVIRONMENTAL ENGINEERING, INC

Well No.: OB-1
 Casing Diameter: 2 inches
 Depth of Well: 15.59 feet
 Top of Casing Elevation: 178.70 feet
 Depth to Groundwater: 8.72 feet
 Groundwater Elevation: 169.98 feet
 Water Column Height: 5.87 feet
 Purged Volume: 2.5 gallons

Project No.: 2761
 Address: 3519 Castro Valley Blvd
 Castro Valley, CA
 Date: January 18, 2012
 Sampler: Lizzie Hightower

Purging Method: Bailer Pump
 Sampling Method: Bailer Pump

Color: No Yes Describe: Cloudy / Brown
 Sheen: No Yes Describe: _____
 Odor: No Yes Describe: _____

Field Measurements:

Time	Vol (gallons)	pH	Temp (°C)	E.C. (µs/cm)
15:06	Started purging well			
15:08	1	6.99	18.7	1117
15:10	2	6.87	19.2	1115
15:12	2.5	6.87	19.4	1102
15:17	Sampled			



ENVIRONMENTAL ENGINEERING, INC

Well No.: OB-2
 Casing Diameter: 2 inches
 Depth of Well: 16.49 feet
 Top of Casing Elevation: 180.23 feet
 Depth to Groundwater: 9.92 feet
 Groundwater Elevation: 170.31 feet
 Water Column Height: 6.57 feet
 Purged Volume: 3 gallons

Project No.: 2761
 Address: 3519 Castro Valley Blvd
 Castro Valley, CA
 Date: January 18, 2012
 Sampler: Lizzie Hightower

Purging Method: Bailer Pump
 Sampling Method: Bailer Pump

Color: No Yes Describe: Cloudy
 Sheen: No Yes Describe: Rainbow Sheen
 Odor: No Yes Describe: Petro odor

Field Measurements:

Time	Vol (gallons)	pH	Temp (°C)	E.C. (µs/cm)
14:47	started purging well			
14:49	1	7.10	18.3	1125
14:51	2	6.75	18.9	1155
14:53	3	6.72	19.2	1123
14:58	sampled			

Appendix C

Chain of Custody Form and Laboratory Report
for the
First Semi-Annual 2012 Monitoring Event



Soma Environmental
6620 Owens Dr. Suite A
Pleasanton, California 94588
Tel: 925-734-6400
Fax: 925-734-6401
RE: 3519 Castro Valley Blvd., Castro Valley

Work Order No.: 1201068

Dear Joyce Bobek:

Torrent Laboratory, Inc. received 14 sample(s) on January 19, 2012 for the analyses presented in the following Report.

All data for associated QC met EPA or laboratory specification(s) except where noted in the case narrative.

Torrent Laboratory, Inc. is certified by the State of California, ELAP #1991. If you have any questions regarding these test results, please feel free to contact the Project Management Team at (408)263-5258; ext 204.

A handwritten signature in blue ink, appearing to read "G. Gueorguieva", is written over a horizontal line.

G.Gueorguieva
Sr. Project Manager

January 26, 2012

Date



Date: 1/26/2012

Client: Soma Environmental

Project: 3519 Castro Valley Blvd., Castro Valley

Work Order: 1201068

CASE NARRATIVE

No issues encountered with the receiving, preparation, analysis or reporting of the results associated with this work order.

Unless otherwise indicated in the following narrative, no results have been method and/or field blank corrected.

Reported results relate only to the items/samples tested by the laboratory.



Sample Result Summary

Report prepared for: Joyce Bobek
Soma Environmental

Date Received: 01/19/12

Date Reported: 01/26/12

ESE-1R

1201068-001

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
TPH(Gasoline)	8260TPH	1	22	50	1800	ug/L
MTBE	SW8260B	1	0.38	0.50	14	ug/L
tert-Butanol	SW8260B	1	1.5	5.0	79	ug/L
Benzene	SW8260B	1	0.33	0.50	18	ug/L
Ethyl Benzene	SW8260B	1	0.15	0.50	11	ug/L
m,p-Xylene	SW8260B	1	0.20	1.0	2.8	ug/L
o-Xylene	SW8260B	1	0.13	0.50	0.73	ug/L

ESE-2R

1201068-002

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
MTBE	SW8260B	1	0.38	0.50	1.1	ug/L

ESE-5R

1201068-003

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
TPH(Gasoline)	8260TPH	1	22	50	68	ug/L
MTBE	SW8260B	1	0.38	0.50	7.3	ug/L

MW-6R

1201068-004

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
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All compounds were non-detectable for this sample.

MW-7R

1201068-005

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
MTBE	SW8260B	1	0.38	0.50	0.93	ug/L



Sample Result Summary

Report prepared for: Joyce Bobek
Soma Environmental

Date Received: 01/19/12

Date Reported: 01/26/12

SOMA-1

1201068-006

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
TPH(Gasoline)	8260TPH	1	22	50	77	ug/L
MTBE	SW8260B	1	0.38	0.50	4.0	ug/L
tert-Butanol	SW8260B	1	1.5	5.0	150	ug/L

SOMA-2

1201068-007

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
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All compounds were non-detectable for this sample.

SOMA-3

1201068-008

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
MTBE	SW8260B	1	0.38	0.50	24	ug/L

SOMA-4

1201068-009

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
MTBE	SW8260B	1	0.38	0.50	1.2	ug/L

SOMA-5

1201068-010

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
TPH(Gasoline)	8260TPH	1	22	50	600	ug/L
MTBE	SW8260B	1	0.38	0.50	6.5	ug/L
tert-Butanol	SW8260B	1	1.5	5.0	11	ug/L
Benzene	SW8260B	1	0.33	0.50	160	ug/L
Ethyl Benzene	SW8260B	1	0.15	0.50	27	ug/L



Sample Result Summary

Report prepared for: Joyce Bobek
Soma Environmental

Date Received: 01/19/12

Date Reported: 01/26/12

SOMA-7

1201068-011

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Benzene	SW8260B	4.4	1.5	2.2	190	ug/L
Toluene	SW8260B	4.4	0.84	2.2	2.2	ug/L
Ethyl Benzene	SW8260B	4.4	0.68	2.2	29	ug/L
m,p-Xylene	SW8260B	4.4	0.88	4.4	5.2	ug/L
TPH(Gasoline)	8260TPH	4.4	95	220	1300	ug/L

SOMA-8

1201068-012

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
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All compounds were non-detectable for this sample.

OB-1

1201068-013

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
TPH(Gasoline)	8260TPH	1	22	50	2400	ug/L
MTBE	SW8260B	1	0.38	0.50	16	ug/L
Benzene	SW8260B	1	0.33	0.50	12	ug/L
Ethyl Benzene	SW8260B	1	0.15	0.50	3.0	ug/L
m,p-Xylene	SW8260B	1	0.20	1.0	5.7	ug/L
o-Xylene	SW8260B	1	0.13	0.50	0.65	ug/L

OB-2

1201068-014

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
tert-Butanol	SW8260B	8.8	13	44	94	ug/L
Benzene	SW8260B	8.8	2.9	4.4	930	ug/L
Toluene	SW8260B	8.8	1.7	4.4	13	ug/L
Ethyl Benzene	SW8260B	8.8	1.4	4.4	1300	ug/L
m,p-Xylene	SW8260B	8.8	1.8	8.8	1900	ug/L
o-Xylene	SW8260B	8.8	1.1	4.4	200	ug/L
TPH(Gasoline)	8260TPH	8.8	190	440	22000	ug/L



SAMPLE RESULTS

Report prepared for: Joyce Bobek
Soma Environmental

Date Received: 01/19/12
Date Reported: 01/26/12

Client Sample ID:	ESE-1R	Lab Sample ID:	1201068-001A
Project Name/Location:	3519 Castro Valley Blvd., Castro Valley	Sample Matrix:	Groundwater
Project Number:	2761		
Date/Time Sampled:	01/18/12 / 14:09		
Tag Number:	3519 Castro Valley Blvd., Castro Valley		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
MTBE	SW8260B	NA	01/20/12	1	0.38	0.50	14		ug/L	408172	NA
tert-Butanol	SW8260B	NA	01/20/12	1	1.5	5.0	79		ug/L	408172	NA
Diisopropyl ether (DIPE)	SW8260B	NA	01/20/12	1	0.36	0.50	ND		ug/L	408172	NA
ETBE	SW8260B	NA	01/20/12	1	0.40	0.50	ND		ug/L	408172	NA
Benzene	SW8260B	NA	01/20/12	1	0.33	0.50	18		ug/L	408172	NA
TAME	SW8260B	NA	01/20/12	1	0.32	0.50	ND		ug/L	408172	NA
1,2-Dichloroethane	SW8260B	NA	01/20/12	1	0.28	0.50	ND		ug/L	408172	NA
Toluene	SW8260B	NA	01/20/12	1	0.19	0.50	ND		ug/L	408172	NA
1,2-Dibromoethane	SW8260B	NA	01/20/12	1	0.19	0.50	ND		ug/L	408172	NA
Ethyl Benzene	SW8260B	NA	01/20/12	1	0.15	0.50	11		ug/L	408172	NA
m,p-Xylene	SW8260B	NA	01/20/12	1	0.20	1.0	2.8		ug/L	408172	NA
o-Xylene	SW8260B	NA	01/20/12	1	0.13	0.50	0.73		ug/L	408172	NA
Ethanol	SW8260B	NA	01/20/12	1	100	100	ND	TIC	ug/L	408172	NA
(S) Dibromofluoromethane	SW8260B	NA	01/20/12	1	61.2	131	82.4		%	408172	NA
(S) Toluene-d8	SW8260B	NA	01/20/12	1	75.1	127	81.4		%	408172	NA
(S) 4-Bromofluorobenzene	SW8260B	NA	01/20/12	1	64.1	120	81.5		%	408172	NA

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH(Gasoline)	8260TPH	1/23/12	01/20/12	1	22	50	1800	x	ug/L	408172	4576
(S) 4-Bromofluorobenzene	8260TPH	1/23/12	01/20/12	1	41.5	125	78.6		%	408172	4576

NOTE: x - Does not match pattern of reference Gasoline standard. Hydrocarbons in the range of C5-C12 quantified as Gasoline.



SAMPLE RESULTS

Report prepared for: Joyce Bobek
Soma Environmental

Date Received: 01/19/12
Date Reported: 01/26/12

Client Sample ID:	ESE-2R	Lab Sample ID:	1201068-002A
Project Name/Location:	3519 Castro Valley Blvd., Castro Valley	Sample Matrix:	Groundwater
Project Number:	2761		
Date/Time Sampled:	01/18/12 / 13:46		
Tag Number:	3519 Castro Valley Blvd., Castro Valley		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
MTBE	SW8260B	NA	01/20/12	1	0.38	0.50	1.1		ug/L	408172	NA
tert-Butanol	SW8260B	NA	01/20/12	1	1.5	5.0	ND		ug/L	408172	NA
Diisopropyl ether (DIPE)	SW8260B	NA	01/20/12	1	0.36	0.50	ND		ug/L	408172	NA
ETBE	SW8260B	NA	01/20/12	1	0.40	0.50	ND		ug/L	408172	NA
Benzene	SW8260B	NA	01/20/12	1	0.33	0.50	ND		ug/L	408172	NA
TAME	SW8260B	NA	01/20/12	1	0.32	0.50	ND		ug/L	408172	NA
1,2-Dichloroethane	SW8260B	NA	01/20/12	1	0.28	0.50	ND		ug/L	408172	NA
Toluene	SW8260B	NA	01/20/12	1	0.19	0.50	ND		ug/L	408172	NA
1,2-Dibromoethane	SW8260B	NA	01/20/12	1	0.19	0.50	ND		ug/L	408172	NA
Ethyl Benzene	SW8260B	NA	01/20/12	1	0.15	0.50	ND		ug/L	408172	NA
m,p-Xylene	SW8260B	NA	01/20/12	1	0.20	1.0	ND		ug/L	408172	NA
o-Xylene	SW8260B	NA	01/20/12	1	0.13	0.50	ND		ug/L	408172	NA
Ethanol	SW8260B	NA	01/20/12	1	100	100	ND	TIC	ug/L	408172	NA
(S) Dibromofluoromethane	SW8260B	NA	01/20/12	1	61.2	131	89.9		%	408172	NA
(S) Toluene-d8	SW8260B	NA	01/20/12	1	75.1	127	81.7		%	408172	NA
(S) 4-Bromofluorobenzene	SW8260B	NA	01/20/12	1	64.1	120	87.2		%	408172	NA

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH(Gasoline)	8260TPH	1/23/12	01/20/12	1	22	50	ND		ug/L	408172	4576
(S) 4-Bromofluorobenzene	8260TPH	1/23/12	01/20/12	1	41.5	125	83.0		%	408172	4576



SAMPLE RESULTS

Report prepared for: Joyce Bobek
Soma Environmental

Date Received: 01/19/12
Date Reported: 01/26/12

Client Sample ID:	ESE-5R	Lab Sample ID:	1201068-003A
Project Name/Location:	3519 Castro Valley Blvd., Castro Valley	Sample Matrix:	Groundwater
Project Number:	2761		
Date/Time Sampled:	01/18/12 / 15:34		
Tag Number:	3519 Castro Valley Blvd., Castro Valley		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
MTBE	SW8260B	NA	01/20/12	1	0.38	0.50	7.3		ug/L	408172	NA
tert-Butanol	SW8260B	NA	01/20/12	1	1.5	5.0	ND		ug/L	408172	NA
Diisopropyl ether (DIPE)	SW8260B	NA	01/20/12	1	0.36	0.50	ND		ug/L	408172	NA
ETBE	SW8260B	NA	01/20/12	1	0.40	0.50	ND		ug/L	408172	NA
Benzene	SW8260B	NA	01/20/12	1	0.33	0.50	ND		ug/L	408172	NA
TAME	SW8260B	NA	01/20/12	1	0.32	0.50	ND		ug/L	408172	NA
1,2-Dichloroethane	SW8260B	NA	01/20/12	1	0.28	0.50	ND		ug/L	408172	NA
Toluene	SW8260B	NA	01/20/12	1	0.19	0.50	ND		ug/L	408172	NA
1,2-Dibromoethane	SW8260B	NA	01/20/12	1	0.19	0.50	ND		ug/L	408172	NA
Ethyl Benzene	SW8260B	NA	01/20/12	1	0.15	0.50	ND		ug/L	408172	NA
m,p-Xylene	SW8260B	NA	01/20/12	1	0.20	1.0	ND		ug/L	408172	NA
o-Xylene	SW8260B	NA	01/20/12	1	0.13	0.50	ND		ug/L	408172	NA
Ethanol	SW8260B	NA	01/20/12	1	100	100	ND	TIC	ug/L	408172	NA
(S) Dibromofluoromethane	SW8260B	NA	01/20/12	1	61.2	131	85.8		%	408172	NA
(S) Toluene-d8	SW8260B	NA	01/20/12	1	75.1	127	79.3		%	408172	NA
(S) 4-Bromofluorobenzene	SW8260B	NA	01/20/12	1	64.1	120	86.1		%	408172	NA

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH(Gasoline)	8260TPH	1/23/12	01/20/12	1	22	50	68	x	ug/L	408172	4576
(S) 4-Bromofluorobenzene	8260TPH	1/23/12	01/20/12	1	41.5	125	76.8		%	408172	4576

NOTE: x - Does not match pattern of reference Gasoline standard. Hydrocarbons in the range of C5-C12 quantified as Gasoline.



SAMPLE RESULTS

Report prepared for: Joyce Bobek
Soma Environmental

Date Received: 01/19/12
Date Reported: 01/26/12

Client Sample ID:	MW-6R	Lab Sample ID:	1201068-004A
Project Name/Location:	3519 Castro Valley Blvd., Castro Valley	Sample Matrix:	Groundwater
Project Number:	2761		
Date/Time Sampled:	01/18/12 / 12:42		
Tag Number:	3519 Castro Valley Blvd., Castro Valley		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
MTBE	SW8260B	NA	01/20/12	1	0.38	0.50	ND		ug/L	408172	NA
tert-Butanol	SW8260B	NA	01/20/12	1	1.5	5.0	ND		ug/L	408172	NA
Diisopropyl ether (DIPE)	SW8260B	NA	01/20/12	1	0.36	0.50	ND		ug/L	408172	NA
ETBE	SW8260B	NA	01/20/12	1	0.40	0.50	ND		ug/L	408172	NA
Benzene	SW8260B	NA	01/20/12	1	0.33	0.50	ND		ug/L	408172	NA
TAME	SW8260B	NA	01/20/12	1	0.32	0.50	ND		ug/L	408172	NA
1,2-Dichloroethane	SW8260B	NA	01/20/12	1	0.28	0.50	ND		ug/L	408172	NA
Toluene	SW8260B	NA	01/20/12	1	0.19	0.50	ND		ug/L	408172	NA
1,2-Dibromoethane	SW8260B	NA	01/20/12	1	0.19	0.50	ND		ug/L	408172	NA
Ethyl Benzene	SW8260B	NA	01/20/12	1	0.15	0.50	ND		ug/L	408172	NA
m,p-Xylene	SW8260B	NA	01/20/12	1	0.20	1.0	ND		ug/L	408172	NA
o-Xylene	SW8260B	NA	01/20/12	1	0.13	0.50	ND		ug/L	408172	NA
Ethanol	SW8260B	NA	01/20/12	1	100	100	ND	TIC	ug/L	408172	NA
(S) Dibromofluoromethane	SW8260B	NA	01/20/12	1	61.2	131	85.7		%	408172	NA
(S) Toluene-d8	SW8260B	NA	01/20/12	1	75.1	127	79.1		%	408172	NA
(S) 4-Bromofluorobenzene	SW8260B	NA	01/20/12	1	64.1	120	83.8		%	408172	NA

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH(Gasoline)	8260TPH	1/23/12	01/20/12	1	22	50	ND		ug/L	408172	4576
(S) 4-Bromofluorobenzene	8260TPH	1/23/12	01/20/12	1	41.5	125	70.6		%	408172	4576



SAMPLE RESULTS

Report prepared for: Joyce Bobek
Soma Environmental

Date Received: 01/19/12
Date Reported: 01/26/12

Client Sample ID:	MW-7R	Lab Sample ID:	1201068-005A
Project Name/Location:	3519 Castro Valley Blvd., Castro Valley	Sample Matrix:	Groundwater
Project Number:	2761		
Date/Time Sampled:	01/18/12 / 11:38		
Tag Number:	3519 Castro Valley Blvd., Castro Valley		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
MTBE	SW8260B	NA	01/20/12	1	0.38	0.50	0.93		ug/L	408172	NA
tert-Butanol	SW8260B	NA	01/20/12	1	1.5	5.0	ND		ug/L	408172	NA
Diisopropyl ether (DIPE)	SW8260B	NA	01/20/12	1	0.36	0.50	ND		ug/L	408172	NA
ETBE	SW8260B	NA	01/20/12	1	0.40	0.50	ND		ug/L	408172	NA
Benzene	SW8260B	NA	01/20/12	1	0.33	0.50	ND		ug/L	408172	NA
TAME	SW8260B	NA	01/20/12	1	0.32	0.50	ND		ug/L	408172	NA
1,2-Dichloroethane	SW8260B	NA	01/20/12	1	0.28	0.50	ND		ug/L	408172	NA
Toluene	SW8260B	NA	01/20/12	1	0.19	0.50	ND		ug/L	408172	NA
1,2-Dibromoethane	SW8260B	NA	01/20/12	1	0.19	0.50	ND		ug/L	408172	NA
Ethyl Benzene	SW8260B	NA	01/20/12	1	0.15	0.50	ND		ug/L	408172	NA
m,p-Xylene	SW8260B	NA	01/20/12	1	0.20	1.0	ND		ug/L	408172	NA
o-Xylene	SW8260B	NA	01/20/12	1	0.13	0.50	ND		ug/L	408172	NA
Ethanol	SW8260B	NA	01/20/12	1	100	100	ND	TIC	ug/L	408172	NA
(S) Dibromofluoromethane	SW8260B	NA	01/20/12	1	61.2	131	86.0		%	408172	NA
(S) Toluene-d8	SW8260B	NA	01/20/12	1	75.1	127	80.0		%	408172	NA
(S) 4-Bromofluorobenzene	SW8260B	NA	01/20/12	1	64.1	120	84.2		%	408172	NA

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH(Gasoline)	8260TPH	1/23/12	01/20/12	1	22	50	ND		ug/L	408172	4576
(S) 4-Bromofluorobenzene	8260TPH	1/23/12	01/20/12	1	41.5	125	68.3		%	408172	4576



SAMPLE RESULTS

Report prepared for: Joyce Bobek
Soma Environmental

Date Received: 01/19/12
Date Reported: 01/26/12

Client Sample ID:	SOMA-1	Lab Sample ID:	1201068-006A
Project Name/Location:	3519 Castro Valley Blvd., Castro Valley	Sample Matrix:	Groundwater
Project Number:	2761		
Date/Time Sampled:	01/18/12 / 13:26		
Tag Number:	3519 Castro Valley Blvd., Castro Valley		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
MTBE	SW8260B	NA	01/20/12	1	0.38	0.50	4.0		ug/L	408172	NA
tert-Butanol	SW8260B	NA	01/20/12	1	1.5	5.0	150		ug/L	408172	NA
Diisopropyl ether (DIPE)	SW8260B	NA	01/20/12	1	0.36	0.50	ND		ug/L	408172	NA
ETBE	SW8260B	NA	01/20/12	1	0.40	0.50	ND		ug/L	408172	NA
Benzene	SW8260B	NA	01/20/12	1	0.33	0.50	ND		ug/L	408172	NA
TAME	SW8260B	NA	01/20/12	1	0.32	0.50	ND		ug/L	408172	NA
1,2-Dichloroethane	SW8260B	NA	01/20/12	1	0.28	0.50	ND		ug/L	408172	NA
Toluene	SW8260B	NA	01/20/12	1	0.19	0.50	ND		ug/L	408172	NA
1,2-Dibromoethane	SW8260B	NA	01/20/12	1	0.19	0.50	ND		ug/L	408172	NA
Ethyl Benzene	SW8260B	NA	01/20/12	1	0.15	0.50	ND		ug/L	408172	NA
m,p-Xylene	SW8260B	NA	01/20/12	1	0.20	1.0	ND		ug/L	408172	NA
o-Xylene	SW8260B	NA	01/20/12	1	0.13	0.50	ND		ug/L	408172	NA
Ethanol	SW8260B	NA	01/20/12	1	100	100	ND	TIC	ug/L	408172	NA
(S) Dibromofluoromethane	SW8260B	NA	01/20/12	1	61.2	131	85.4		%	408172	NA
(S) Toluene-d8	SW8260B	NA	01/20/12	1	75.1	127	80.5		%	408172	NA
(S) 4-Bromofluorobenzene	SW8260B	NA	01/20/12	1	64.1	120	84.9		%	408172	NA

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH(Gasoline)	8260TPH	1/23/12	01/20/12	1	22	50	77	x	ug/L	408172	4576
(S) 4-Bromofluorobenzene	8260TPH	1/23/12	01/20/12	1	41.5	125	102		%	408172	4576

NOTE: x - Does not match pattern of reference Gasoline standard. Hydrocarbons in the range of C5-C12 quantified as Gasoline.



SAMPLE RESULTS

Report prepared for: Joyce Bobek
Soma Environmental

Date Received: 01/19/12
Date Reported: 01/26/12

Client Sample ID:	SOMA-2	Lab Sample ID:	1201068-007A
Project Name/Location:	3519 Castro Valley Blvd., Castro Valley	Sample Matrix:	Groundwater
Project Number:	2761		
Date/Time Sampled:	01/18/12 / 11:17		
Tag Number:	3519 Castro Valley Blvd., Castro Valley		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
MTBE	SW8260B	NA	01/20/12	1	0.38	0.50	ND		ug/L	408172	NA
tert-Butanol	SW8260B	NA	01/20/12	1	1.5	5.0	ND		ug/L	408172	NA
Diisopropyl ether (DIPE)	SW8260B	NA	01/20/12	1	0.36	0.50	ND		ug/L	408172	NA
ETBE	SW8260B	NA	01/20/12	1	0.40	0.50	ND		ug/L	408172	NA
Benzene	SW8260B	NA	01/20/12	1	0.33	0.50	ND		ug/L	408172	NA
TAME	SW8260B	NA	01/20/12	1	0.32	0.50	ND		ug/L	408172	NA
1,2-Dichloroethane	SW8260B	NA	01/20/12	1	0.28	0.50	ND		ug/L	408172	NA
Toluene	SW8260B	NA	01/20/12	1	0.19	0.50	ND		ug/L	408172	NA
1,2-Dibromoethane	SW8260B	NA	01/20/12	1	0.19	0.50	ND		ug/L	408172	NA
Ethyl Benzene	SW8260B	NA	01/20/12	1	0.15	0.50	ND		ug/L	408172	NA
m,p-Xylene	SW8260B	NA	01/20/12	1	0.20	1.0	ND		ug/L	408172	NA
o-Xylene	SW8260B	NA	01/20/12	1	0.13	0.50	ND		ug/L	408172	NA
Ethanol	SW8260B	NA	01/20/12	1	100	100	ND	TIC	ug/L	408172	NA
(S) Dibromofluoromethane	SW8260B	NA	01/20/12	1	61.2	131	97.2		%	408172	NA
(S) Toluene-d8	SW8260B	NA	01/20/12	1	75.1	127	80.0		%	408172	NA
(S) 4-Bromofluorobenzene	SW8260B	NA	01/20/12	1	64.1	120	89.6		%	408172	NA

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH(Gasoline)	8260TPH	1/23/12	01/20/12	1	22	50	ND		ug/L	408172	4576
(S) 4-Bromofluorobenzene	8260TPH	1/23/12	01/20/12	1	41.5	125	58.5		%	408172	4576



SAMPLE RESULTS

Report prepared for: Joyce Bobek
Soma Environmental

Date Received: 01/19/12
Date Reported: 01/26/12

Client Sample ID:	SOMA-3	Lab Sample ID:	1201068-008A
Project Name/Location:	3519 Castro Valley Blvd., Castro Valley	Sample Matrix:	Groundwater
Project Number:	2761		
Date/Time Sampled:	01/18/12 / 10:57		
Tag Number:	3519 Castro Valley Blvd., Castro Valley		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
MTBE	SW8260B	NA	01/20/12	1	0.38	0.50	24		ug/L	408172	NA
tert-Butanol	SW8260B	NA	01/20/12	1	1.5	5.0	ND		ug/L	408172	NA
Diisopropyl ether (DIPE)	SW8260B	NA	01/20/12	1	0.36	0.50	ND		ug/L	408172	NA
ETBE	SW8260B	NA	01/20/12	1	0.40	0.50	ND		ug/L	408172	NA
Benzene	SW8260B	NA	01/20/12	1	0.33	0.50	ND		ug/L	408172	NA
TAME	SW8260B	NA	01/20/12	1	0.32	0.50	ND		ug/L	408172	NA
1,2-Dichloroethane	SW8260B	NA	01/20/12	1	0.28	0.50	ND		ug/L	408172	NA
Toluene	SW8260B	NA	01/20/12	1	0.19	0.50	ND		ug/L	408172	NA
1,2-Dibromoethane	SW8260B	NA	01/20/12	1	0.19	0.50	ND		ug/L	408172	NA
Ethyl Benzene	SW8260B	NA	01/20/12	1	0.15	0.50	ND		ug/L	408172	NA
m,p-Xylene	SW8260B	NA	01/20/12	1	0.20	1.0	ND		ug/L	408172	NA
o-Xylene	SW8260B	NA	01/20/12	1	0.13	0.50	ND		ug/L	408172	NA
Ethanol	SW8260B	NA	01/20/12	1	100	100	ND	TIC	ug/L	408172	NA
(S) Dibromofluoromethane	SW8260B	NA	01/20/12	1	61.2	131	101		%	408172	NA
(S) Toluene-d8	SW8260B	NA	01/20/12	1	75.1	127	80.6		%	408172	NA
(S) 4-Bromofluorobenzene	SW8260B	NA	01/20/12	1	64.1	120	88.4		%	408172	NA

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH(Gasoline)	8260TPH	1/23/12	01/20/12	1	22	50	ND		ug/L	408172	4576
(S) 4-Bromofluorobenzene	8260TPH	1/23/12	01/20/12	1	41.5	125	93.0		%	408172	4576



SAMPLE RESULTS

Report prepared for: Joyce Bobek
Soma Environmental

Date Received: 01/19/12
Date Reported: 01/26/12

Client Sample ID:	SOMA-4	Lab Sample ID:	1201068-009A
Project Name/Location:	3519 Castro Valley Blvd., Castro Valley	Sample Matrix:	Groundwater
Project Number:	2761		
Date/Time Sampled:	01/18/12 / 10:27		
Tag Number:	3519 Castro Valley Blvd., Castro Valley		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
MTBE	SW8260B	NA	01/20/12	1	0.38	0.50	1.2		ug/L	408172	NA
tert-Butanol	SW8260B	NA	01/20/12	1	1.5	5.0	ND		ug/L	408172	NA
Diisopropyl ether (DIPE)	SW8260B	NA	01/20/12	1	0.36	0.50	ND		ug/L	408172	NA
ETBE	SW8260B	NA	01/20/12	1	0.40	0.50	ND		ug/L	408172	NA
Benzene	SW8260B	NA	01/20/12	1	0.33	0.50	ND		ug/L	408172	NA
TAME	SW8260B	NA	01/20/12	1	0.32	0.50	ND		ug/L	408172	NA
1,2-Dichloroethane	SW8260B	NA	01/20/12	1	0.28	0.50	ND		ug/L	408172	NA
Toluene	SW8260B	NA	01/20/12	1	0.19	0.50	ND		ug/L	408172	NA
1,2-Dibromoethane	SW8260B	NA	01/20/12	1	0.19	0.50	ND		ug/L	408172	NA
Ethyl Benzene	SW8260B	NA	01/20/12	1	0.15	0.50	ND		ug/L	408172	NA
m,p-Xylene	SW8260B	NA	01/20/12	1	0.20	1.0	ND		ug/L	408172	NA
o-Xylene	SW8260B	NA	01/20/12	1	0.13	0.50	ND		ug/L	408172	NA
Ethanol	SW8260B	NA	01/20/12	1	100	100	ND	TIC	ug/L	408172	NA
(S) Dibromofluoromethane	SW8260B	NA	01/20/12	1	61.2	131	85.2		%	408172	NA
(S) Toluene-d8	SW8260B	NA	01/20/12	1	75.1	127	81.0		%	408172	NA
(S) 4-Bromofluorobenzene	SW8260B	NA	01/20/12	1	64.1	120	86.3		%	408172	NA

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH(Gasoline)	8260TPH	1/23/12	01/20/12	1	22	50	ND		ug/L	408172	4576
(S) 4-Bromofluorobenzene	8260TPH	1/23/12	01/20/12	1	41.5	125	103		%	408172	4576



SAMPLE RESULTS

Report prepared for: Joyce Bobek
Soma Environmental

Date Received: 01/19/12
Date Reported: 01/26/12

Client Sample ID:	SOMA-5	Lab Sample ID:	1201068-010A
Project Name/Location:	3519 Castro Valley Blvd., Castro Valley	Sample Matrix:	Groundwater
Project Number:	2761		
Date/Time Sampled:	01/18/12 / 14:35		
Tag Number:	3519 Castro Valley Blvd., Castro Valley		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
MTBE	SW8260B	NA	01/20/12	1	0.38	0.50	6.5		ug/L	408172	NA
tert-Butanol	SW8260B	NA	01/20/12	1	1.5	5.0	11		ug/L	408172	NA
Diisopropyl ether (DIPE)	SW8260B	NA	01/20/12	1	0.36	0.50	ND		ug/L	408172	NA
ETBE	SW8260B	NA	01/20/12	1	0.40	0.50	ND		ug/L	408172	NA
Benzene	SW8260B	NA	01/20/12	1	0.33	0.50	160		ug/L	408172	NA
TAME	SW8260B	NA	01/20/12	1	0.32	0.50	ND		ug/L	408172	NA
1,2-Dichloroethane	SW8260B	NA	01/20/12	1	0.28	0.50	ND		ug/L	408172	NA
Toluene	SW8260B	NA	01/20/12	1	0.19	0.50	ND		ug/L	408172	NA
1,2-Dibromoethane	SW8260B	NA	01/20/12	1	0.19	0.50	ND		ug/L	408172	NA
Ethyl Benzene	SW8260B	NA	01/20/12	1	0.15	0.50	27		ug/L	408172	NA
m,p-Xylene	SW8260B	NA	01/20/12	1	0.20	1.0	ND		ug/L	408172	NA
o-Xylene	SW8260B	NA	01/20/12	1	0.13	0.50	ND		ug/L	408172	NA
Ethanol	SW8260B	NA	01/20/12	1	100	100	ND	TIC	ug/L	408172	NA
(S) Dibromofluoromethane	SW8260B	NA	01/20/12	1	61.2	131	89.2		%	408172	NA
(S) Toluene-d8	SW8260B	NA	01/20/12	1	75.1	127	78.7		%	408172	NA
(S) 4-Bromofluorobenzene	SW8260B	NA	01/20/12	1	64.1	120	84.4		%	408172	NA

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH(Gasoline)	8260TPH	1/23/12	01/20/12	1	22	50	600	x	ug/L	408172	4576
(S) 4-Bromofluorobenzene	8260TPH	1/23/12	01/20/12	1	41.5	125	96.7		%	408172	4576

NOTE: x - Does not match pattern of reference Gasoline standard. Reported TPH value includes amount due to discrete peaks and non-target hydrocarbons within range of C5-C12 quantified as gasoline.



SAMPLE RESULTS

Report prepared for: Joyce Bobek
Soma Environmental

Date Received: 01/19/12
Date Reported: 01/26/12

Client Sample ID:	SOMA-7	Lab Sample ID:	1201068-011A
Project Name/Location:	3519 Castro Valley Blvd., Castro Valley	Sample Matrix:	Groundwater
Project Number:	2761		
Date/Time Sampled:	01/18/12 / 15:53		
Tag Number:	3519 Castro Valley Blvd., Castro Valley		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
MTBE	SW8260B	NA	01/23/12	4.4	1.7	2.2	ND		ug/L	408183	NA
tert-Butanol	SW8260B	NA	01/23/12	4.4	6.6	22	ND		ug/L	408183	NA
Diisopropyl ether (DIPE)	SW8260B	NA	01/23/12	4.4	1.6	2.2	ND		ug/L	408183	NA
ETBE	SW8260B	NA	01/23/12	4.4	1.7	2.2	ND		ug/L	408183	NA
Benzene	SW8260B	NA	01/23/12	4.4	1.5	2.2	190		ug/L	408183	NA
TAME	SW8260B	NA	01/23/12	4.4	1.4	2.2	ND		ug/L	408183	NA
1,2-Dichloroethane	SW8260B	NA	01/23/12	4.4	1.2	2.2	ND		ug/L	408183	NA
Toluene	SW8260B	NA	01/23/12	4.4	0.84	2.2	2.2		ug/L	408183	NA
1,2-Dibromoethane	SW8260B	NA	01/23/12	4.4	0.86	2.2	ND		ug/L	408183	NA
Ethyl Benzene	SW8260B	NA	01/23/12	4.4	0.68	2.2	29		ug/L	408183	NA
m,p-Xylene	SW8260B	NA	01/23/12	4.4	0.88	4.4	5.2		ug/L	408183	NA
o-Xylene	SW8260B	NA	01/23/12	4.4	0.56	2.2	ND		ug/L	408183	NA
Ethanol	SW8260B	NA	01/23/12	4.4	440	440	ND	TIC	ug/L	408183	NA
(S) Dibromofluoromethane	SW8260B	NA	01/23/12	4.4	61.2	131	91.5		%	408183	NA
(S) Toluene-d8	SW8260B	NA	01/23/12	4.4	75.1	127	80.3		%	408183	NA
(S) 4-Bromofluorobenzene	SW8260B	NA	01/23/12	4.4	64.1	120	86.0		%	408183	NA

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH(Gasoline)	8260TPH	1/23/12	01/23/12	4.4	95	220	1300	x	ug/L	408183	4572
(S) 4-Bromofluorobenzene	8260TPH	1/23/12	01/23/12	4.4	41.5	125	85.4		%	408183	4572

NOTE: x - Does not match pattern of reference Gasoline standard. Hydrocarbons in the range of C5-C12 quantified as Gasoline.



SAMPLE RESULTS

Report prepared for: Joyce Bobek
Soma Environmental

Date Received: 01/19/12
Date Reported: 01/26/12

Client Sample ID:	SOMA-8	Lab Sample ID:	1201068-012A
Project Name/Location:	3519 Castro Valley Blvd., Castro Valley	Sample Matrix:	Groundwater
Project Number:	2761		
Date/Time Sampled:	01/18/12 / 13:04		
Tag Number:	3519 Castro Valley Blvd., Castro Valley		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
MTBE	SW8260B	NA	01/20/12	1	0.38	0.50	ND		ug/L	408172	NA
tert-Butanol	SW8260B	NA	01/20/12	1	1.5	5.0	ND		ug/L	408172	NA
Diisopropyl ether (DIPE)	SW8260B	NA	01/20/12	1	0.36	0.50	ND		ug/L	408172	NA
ETBE	SW8260B	NA	01/20/12	1	0.40	0.50	ND		ug/L	408172	NA
Benzene	SW8260B	NA	01/20/12	1	0.33	0.50	ND		ug/L	408172	NA
TAME	SW8260B	NA	01/20/12	1	0.32	0.50	ND		ug/L	408172	NA
1,2-Dichloroethane	SW8260B	NA	01/20/12	1	0.28	0.50	ND		ug/L	408172	NA
Toluene	SW8260B	NA	01/20/12	1	0.19	0.50	ND		ug/L	408172	NA
1,2-Dibromoethane	SW8260B	NA	01/20/12	1	0.19	0.50	ND		ug/L	408172	NA
Ethyl Benzene	SW8260B	NA	01/20/12	1	0.15	0.50	ND		ug/L	408172	NA
m,p-Xylene	SW8260B	NA	01/20/12	1	0.20	1.0	ND		ug/L	408172	NA
o-Xylene	SW8260B	NA	01/20/12	1	0.13	0.50	ND		ug/L	408172	NA
Ethanol	SW8260B	NA	01/20/12	1	100	100	ND	TIC	ug/L	408172	NA
(S) Dibromofluoromethane	SW8260B	NA	01/20/12	1	61.2	131	92.5		%	408172	NA
(S) Toluene-d8	SW8260B	NA	01/20/12	1	75.1	127	80.9		%	408172	NA
(S) 4-Bromofluorobenzene	SW8260B	NA	01/20/12	1	64.1	120	88.1		%	408172	NA

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH(Gasoline)	8260TPH	1/23/12	01/20/12	1	22	50	ND		ug/L	408172	4576
(S) 4-Bromofluorobenzene	8260TPH	1/23/12	01/20/12	1	41.5	125	110		%	408172	4576



SAMPLE RESULTS

Report prepared for: Joyce Bobek
Soma Environmental

Date Received: 01/19/12
Date Reported: 01/26/12

Client Sample ID:	OB-1	Lab Sample ID:	1201068-013A
Project Name/Location:	3519 Castro Valley Blvd., Castro Valley	Sample Matrix:	Groundwater
Project Number:	2761		
Date/Time Sampled:	01/18/12 / 15:17		
Tag Number:	3519 Castro Valley Blvd., Castro Valley		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
MTBE	SW8260B	NA	01/20/12	1	0.38	0.50	16		ug/L	408172	NA
tert-Butanol	SW8260B	NA	01/20/12	1	1.5	5.0	ND		ug/L	408172	NA
Diisopropyl ether (DIPE)	SW8260B	NA	01/20/12	1	0.36	0.50	ND		ug/L	408172	NA
ETBE	SW8260B	NA	01/20/12	1	0.40	0.50	ND		ug/L	408172	NA
Benzene	SW8260B	NA	01/20/12	1	0.33	0.50	12		ug/L	408172	NA
TAME	SW8260B	NA	01/20/12	1	0.32	0.50	ND		ug/L	408172	NA
1,2-Dichloroethane	SW8260B	NA	01/20/12	1	0.28	0.50	ND		ug/L	408172	NA
Toluene	SW8260B	NA	01/20/12	1	0.19	0.50	ND		ug/L	408172	NA
1,2-Dibromoethane	SW8260B	NA	01/20/12	1	0.19	0.50	ND		ug/L	408172	NA
Ethyl Benzene	SW8260B	NA	01/20/12	1	0.15	0.50	3.0		ug/L	408172	NA
m,p-Xylene	SW8260B	NA	01/20/12	1	0.20	1.0	5.7		ug/L	408172	NA
o-Xylene	SW8260B	NA	01/20/12	1	0.13	0.50	0.65		ug/L	408172	NA
Ethanol	SW8260B	NA	01/20/12	1	100	100	ND	TIC	ug/L	408172	NA
(S) Dibromofluoromethane	SW8260B	NA	01/20/12	1	61.2	131	87.1		%	408172	NA
(S) Toluene-d8	SW8260B	NA	01/20/12	1	75.1	127	82.5		%	408172	NA
(S) 4-Bromofluorobenzene	SW8260B	NA	01/20/12	1	64.1	120	84.4		%	408172	NA

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH(Gasoline)	8260TPH	1/23/12	01/20/12	1	22	50	2400	x	ug/L	408172	4576
(S) 4-Bromofluorobenzene	8260TPH	1/23/12	01/20/12	1	41.5	125	111		%	408172	4576

NOTE: x - Does not match pattern of reference Gasoline standard. Reported TPH value includes significant contribution from heavy end hydrocarbons (possibly aged gasoline).



SAMPLE RESULTS

Report prepared for: Joyce Bobek
Soma Environmental

Date Received: 01/19/12
Date Reported: 01/26/12

Client Sample ID:	OB-2	Lab Sample ID:	1201068-014A
Project Name/Location:	3519 Castro Valley Blvd., Castro Valley	Sample Matrix:	Groundwater
Project Number:	2761		
Date/Time Sampled:	01/18/12 / 14:58		
Tag Number:	3519 Castro Valley Blvd., Castro Valley		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
MTBE	SW8260B	NA	01/23/12	8.8	3.3	4.4	ND		ug/L	408183	NA
tert-Butanol	SW8260B	NA	01/23/12	8.8	13	44	94		ug/L	408183	NA
Diisopropyl ether (DIPE)	SW8260B	NA	01/23/12	8.8	3.2	4.4	ND		ug/L	408183	NA
ETBE	SW8260B	NA	01/23/12	8.8	3.5	4.4	ND		ug/L	408183	NA
Benzene	SW8260B	NA	01/23/12	8.8	2.9	4.4	930		ug/L	408183	NA
TAME	SW8260B	NA	01/23/12	8.8	2.8	4.4	ND		ug/L	408183	NA
1,2-Dichloroethane	SW8260B	NA	01/23/12	8.8	2.4	4.4	ND		ug/L	408183	NA
Toluene	SW8260B	NA	01/23/12	8.8	1.7	4.4	13		ug/L	408183	NA
1,2-Dibromoethane	SW8260B	NA	01/23/12	8.8	1.7	4.4	ND		ug/L	408183	NA
Ethyl Benzene	SW8260B	NA	01/23/12	8.8	1.4	4.4	1300		ug/L	408183	NA
m,p-Xylene	SW8260B	NA	01/23/12	8.8	1.8	8.8	1900		ug/L	408183	NA
o-Xylene	SW8260B	NA	01/23/12	8.8	1.1	4.4	200		ug/L	408183	NA
Ethanol	SW8260B	NA	01/23/12	8.8	880	880	ND	TIC	ug/L	408183	NA
(S) Dibromofluoromethane	SW8260B	NA	01/23/12	8.8	61.2	131	85.5		%	408183	NA
(S) Toluene-d8	SW8260B	NA	01/23/12	8.8	75.1	127	80.1		%	408183	NA
(S) 4-Bromofluorobenzene	SW8260B	NA	01/23/12	8.8	64.1	120	80.5		%	408183	NA

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH(Gasoline)	8260TPH	1/23/12	01/23/12	8.8	190	440	22000	x	ug/L	408183	4572
(S) 4-Bromofluorobenzene	8260TPH	1/23/12	01/23/12	8.8	41.5	125	100		%	408183	4572

NOTE: x - Does not match pattern of reference Gasoline standard. Reported TPH value includes significant contribution from heavy end hydrocarbons.



MB Summary Report

Work Order:	1201068	Prep Method:	NA	Prep Date:	NA	Prep Batch:	NA
Matrix:	Water	Analytical Method:	SW8260B	Analyzed Date:	01/20/12	Analytical Batch:	408172
Units:	ug/L						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier	
Dichlorodifluoromethane	0.41	0.50	ND		
Chloromethane	0.41	0.50	ND		
Vinyl Chloride	0.37	0.50	ND		
Bromomethane	0.37	0.50	ND		
Trichlorofluoromethane	0.34	0.50	ND		
1,1-Dichloroethene	0.29	0.50	ND		
Freon 113	0.38	0.50	ND		
Methylene Chloride	0.18	5.0	ND		
trans-1,2-Dichloroethene	0.31	0.50	ND		
MTBE	0.38	0.50	ND		
tert-Butanol	1.5	5.0	ND		
Diisopropyl ether (DIPE)	0.36	0.50	ND		
1,1-Dichloroethane	0.28	0.50	ND		
ETBE	0.40	0.50	ND		
cis-1,2-Dichloroethene	0.33	0.50	ND		
2,2-Dichloropropane	0.37	0.50	ND		
Bromochloromethane	0.34	0.50	ND		
Chloroform	0.29	0.50	ND		
Carbon Tetrachloride	0.26	0.50	ND		
1,1,1-Trichloroethane	0.32	0.50	ND		
1,1-Dichloropropene	0.40	0.50	ND		
Benzene	0.33	0.50	ND		
TAME	0.32	0.50	ND		
1,2-Dichloroethane	0.28	0.50	ND		
Trichloroethylene	0.38	0.50	ND		
Dibromomethane	0.21	0.50	ND		
1,2-Dichloropropane	0.37	0.50	ND		
Bromodichloromethane	0.23	0.50	ND		
cis-1,3-Dichloropropene	0.30	0.50	ND		
Toluene	0.19	0.50	ND		
Tetrachloroethylene	0.15	0.50	ND		
trans-1,3-Dichloropropene	0.20	0.50	ND		
1,1,2-Trichloroethane	0.20	0.50	ND		
Dibromochloromethane	0.21	0.50	ND		
1,3-Dichloropropane	0.18	0.50	ND		
1,2-Dibromoethane	0.19	0.50	ND		
Chlorobenzene	0.14	0.50	ND		
Ethyl Benzene	0.15	0.50	ND		
1,1,1,2-Tetrachloroethane	0.10	0.50	ND		
m,p-Xylene	0.20	1.0	ND		



MB Summary Report

Work Order:	1201068	Prep Method:	NA	Prep Date:	NA	Prep Batch:	NA
Matrix:	Water	Analytical Method:	SW8260B	Analyzed Date:	01/20/12	Analytical Batch:	408172
Units:	ug/L						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier	
o-Xylene	0.13	0.50	ND		
Styrene	0.20	0.50	ND		
Bromoform	0.45	1.0	ND		
Isopropyl Benzene	0.28	0.50	ND		
Bromobenzene	0.39	0.50	ND		
1,1,2,2-Tetrachloroethane	0.26	0.50	ND		
n-Propylbenzene	0.30	0.50	ND		
2-Chlorotoluene	0.33	0.50	ND		
1,3,5-Trimethylbenzene	0.20	0.50	ND		
4-Chlorotoluene	0.32	0.50	ND		
tert-Butylbenzene	0.29	0.50	ND		
1,2,3-Trichloropropane	0.59	1.0	ND		
1,2,4-Trimethylbenzene	0.33	0.50	ND		
sec-Butyl Benzene	0.24	0.50	ND		
p-Isopropyltoluene	0.25	0.50	ND		
1,3-Dichlorobenzene	0.31	0.50	ND		
1,4-Dichlorobenzene	0.37	0.50	ND		
n-Butylbenzene	0.32	0.50	ND		
1,2-Dichlorobenzene	0.39	0.50	ND		
1,2-Dibromo-3-Chloropropane	0.45	1.0	ND		
Hexachlorobutadiene	0.22	0.50	ND		
1,2,4-Trichlorobenzene	0.48	1.0	ND		
Naphthalene	0.57	1.0	ND		
1,2,3-Trichlorobenzene	0.52	1.0	ND		
Ethanol	100	100	ND	TIC	
(S) Dibromofluoromethane			82.3		
(S) Toluene-d8			79.8		
(S) 4-Bromofluorobenzene			85.1		



MB Summary Report

Work Order:	1201068	Prep Method:	NA	Prep Date:	NA	Prep Batch:	NA
Matrix:	Water	Analytical Method:	SW8260B	Analyzed Date:	01/23/12	Analytical Batch:	408183
Units:	ug/L						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier	
Dichlorodifluoromethane	0.41	0.50	ND		
Chloromethane	0.41	0.50	ND		
Vinyl Chloride	0.37	0.50	ND		
Bromomethane	0.37	0.50	ND		
Trichlorofluoromethane	0.34	0.50	ND		
1,1-Dichloroethene	0.29	0.50	ND		
Freon 113	0.38	0.50	ND		
Methylene Chloride	0.18	5.0	ND		
trans-1,2-Dichloroethene	0.31	0.50	ND		
MTBE	0.38	0.50	ND		
tert-Butanol	1.5	5.0	ND		
Diisopropyl ether (DIPE)	0.36	0.50	ND		
1,1-Dichloroethane	0.28	0.50	ND		
ETBE	0.40	0.50	ND		
cis-1,2-Dichloroethene	0.33	0.50	ND		
2,2-Dichloropropane	0.37	0.50	ND		
Bromochloromethane	0.34	0.50	ND		
Chloroform	0.29	0.50	ND		
Carbon Tetrachloride	0.26	0.50	ND		
1,1,1-Trichloroethane	0.32	0.50	ND		
1,1-Dichloropropene	0.40	0.50	ND		
Benzene	0.33	0.50	ND		
TAME	0.32	0.50	ND		
1,2-Dichloroethane	0.28	0.50	ND		
Trichloroethylene	0.38	0.50	ND		
Dibromomethane	0.21	0.50	ND		
1,2-Dichloropropane	0.37	0.50	ND		
Bromodichloromethane	0.23	0.50	ND		
cis-1,3-Dichloropropene	0.30	0.50	ND		
Toluene	0.19	0.50	ND		
Tetrachloroethylene	0.15	0.50	ND		
trans-1,3-Dichloropropene	0.20	0.50	ND		
1,1,2-Trichloroethane	0.20	0.50	ND		
Dibromochloromethane	0.21	0.50	ND		
1,3-Dichloropropane	0.18	0.50	ND		
1,2-Dibromoethane	0.19	0.50	ND		
Chlorobenzene	0.14	0.50	ND		
Ethyl Benzene	0.15	0.50	ND		
1,1,1,2-Tetrachloroethane	0.10	0.50	ND		
m,p-Xylene	0.20	1.0	ND		
o-Xylene	0.13	0.50	ND		



MB Summary Report

Work Order:	1201068	Prep Method:	NA	Prep Date:	NA	Prep Batch:	NA
Matrix:	Water	Analytical Method:	SW8260B	Analyzed Date:	01/23/12	Analytical Batch:	408183
Units:	ug/L						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Styrene	0.20	0.50	ND	
Bromoform	0.45	1.0	ND	
Isopropyl Benzene	0.28	0.50	ND	
Bromobenzene	0.39	0.50	ND	
1,1,2,2-Tetrachloroethane	0.26	0.50	ND	
n-Propylbenzene	0.30	0.50	ND	
2-Chlorotoluene	0.33	0.50	ND	
1,3,5-Trimethylbenzene	0.20	0.50	ND	
4-Chlorotoluene	0.32	0.50	ND	
tert-Butylbenzene	0.29	0.50	ND	
1,2,3-Trichloropropane	0.59	1.0	ND	
1,2,4-Trimethylbenzene	0.33	0.50	ND	
sec-Butyl Benzene	0.24	0.50	ND	
p-Isopropyltoluene	0.25	0.50	ND	
1,3-Dichlorobenzene	0.31	0.50	ND	
1,4-Dichlorobenzene	0.37	0.50	ND	
n-Butylbenzene	0.32	0.50	ND	
1,2-Dichlorobenzene	0.39	0.50	ND	
1,2-Dibromo-3-Chloropropane	0.45	1.0	ND	
Hexachlorobutadiene	0.22	0.50	ND	
1,2,4-Trichlorobenzene	0.48	1.0	ND	
Naphthalene	0.57	1.0	ND	
1,2,3-Trichlorobenzene	0.52	1.0	ND	
Ethanol	100	100	ND	TIC
(S) Dibromofluoromethane			83.5	
(S) Toluene-d8			80.0	
(S) 4-Bromofluorobenzene			84.9	

Work Order:	1201068	Prep Method:	5030	Prep Date:	01/23/12	Prep Batch:	4572
Matrix:	Water	Analytical Method:	8260TPH	Analyzed Date:	01/23/12	Analytical Batch:	408183
Units:	ug/L						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
TPH(Gasoline)	22	50	ND	
(S) 4-Bromofluorobenzene			87.2	



MB Summary Report

Work Order:	1201068	Prep Method:	5030	Prep Date:	01/23/12	Prep Batch:	4576
Matrix:	Water	Analytical Method:	8260TPH	Analyzed Date:	01/20/12	Analytical Batch:	408172
Units:	ug/L						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
TPH(Gasoline)	22	50	25	
(S) 4-Bromofluorobenzene			84.6	



LCS/LCSD Summary Report

Raw values are used in quality control assessment.

Work Order:	1201068	Prep Method:	NA	Prep Date:	NA	Prep Batch:	NA
Matrix:	Water	Analytical Method:	SW8260B	Analyzed Date:	01/20/12	Analytical Batch:	408172
Units:	ug/L						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
1,1-Dichloroethene	0.29	0.50	ND	17.04	99.9	106	6.11	61.4 - 129	30	
Benzene	0.33	0.50	ND	17.04	94.9	94.6	0.452	66.9 - 140	30	
Trichloroethylene	0.38	0.50	ND	17.04	109	112	2.22	69.3 - 144	30	
Toluene	0.19	0.50	ND	17.04	84.1	89.5	6.38	76.6 - 123	30	
Chlorobenzene	0.14	0.50	ND	17.04	88.4	92.6	4.44	73.9 - 137	30	
(S) Dibromofluoromethane			ND	11.36	78.1	80.2		61.2 - 131		
(S) Toluene-d8			ND	11.36	79.2	79.4		75.1 - 127		
(S) 4-Bromofluorobenzene			ND	11.36	81.5	81.6		64.1 - 120		

Work Order:	1201068	Prep Method:	NA	Prep Date:	NA	Prep Batch:	NA
Matrix:	Water	Analytical Method:	SW8260B	Analyzed Date:	01/23/12	Analytical Batch:	408183
Units:	ug/L						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
1,1-Dichloroethene	0.29	0.50	ND	17.04	113	106	6.25	61.4 - 129	30	
Benzene	0.33	0.50	ND	17.04	106	92.7	13.6	66.9 - 140	30	
Trichloroethylene	0.38	0.50	ND	17.04	111	108	3.51	69.3 - 144	30	
Toluene	0.19	0.50	ND	17.04	85.5	85.9	0.205	76.6 - 123	30	
Chlorobenzene	0.14	0.50	ND	17.04	91.4	90.4	1.32	73.9 - 137	30	
(S) Dibromofluoromethane			ND	11.36	91.1	81.2		61.2 - 131		
(S) Toluene-d8			ND	11.36	78.1	80.4		75.1 - 127		
(S) 4-Bromofluorobenzene			ND	11.36	83.5	84.0		64.1 - 120		

Work Order:	1201068	Prep Method:	5030	Prep Date:	01/23/12	Prep Batch:	4572
Matrix:	Water	Analytical Method:	8260TPH	Analyzed Date:	01/23/12	Analytical Batch:	408183
Units:	ug/L						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
TPH(Gasoline)	22	50	ND	227.27	91.4	84.7	7.65	52.4 - 127	30	
(S) 4-Bromofluorobenzene				87.2	11.36	88.6	77.7	41.5 - 125		



LCS/LCSD Summary Report

Raw values are used in quality control assessment.

Work Order:	1201068	Prep Method:	5030	Prep Date:	01/23/12	Prep Batch:	4576
Matrix:	Water	Analytical Method:	8260TPH	Analyzed Date:	01/20/12	Analytical Batch:	408172
Units:	ug/L						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
TPH(Gasoline)	22	50	25	227.27	121	122	0.303	52.4 - 127	30	
(S) 4-Bromofluorobenzene			84.6	11.36	106	111		41.5 - 125		



Laboratory Qualifiers and Definitions

DEFINITIONS:

Accuracy/Bias (% Recovery) - The closeness of agreement between an observed value and an accepted reference value.
Blank (Method/Preparation Blank) -MB/PB - An analyte-free matrix to which all reagents are added in the same volumes/proportions as used in sample processing. The method blank is used to document contamination resulting from the analytical process.
Duplicate - a field sample and/or laboratory QC sample prepared in duplicate following all of the same processes and procedures used on the original sample (sample duplicate, LCSD, MSD)
Laboratory Control Sample (LCS ad LCSD) - A known matrix spiked with compounds representative of the target analyte(s). This is used to document laboratory performance.
Matrix - the component or substrate that contains the analyte of interest (e.g., - groundwater, sediment, soil, waste water, etc)
Matrix Spike (MS/MSD) - Client sample spiked with identical concentrations of target analyte (s). The spiking occurs prior to the sample preparation and analysis. They are used to document the precision and bias of a method in a given sample matrix.
Method Detection Limit (MDL) - the minimum concentration of a substance that can be measured and reported with a 99% confidence that the analyte concentration is greater than zero
Practical Quantitation Limit (PQL) - a laboratory determined value at 2 to 5 times above the MDL that can be reproduced in a manner that results in a 99% confidence level that the result is both accurate and precise. PQLs reflect all preparation factors and/or dilution factors that have been applied to the sample during the preparation and/or analytical processes.
Precision (%RPD) - The agreement among a set of replicate/duplicate measurements without regard to known value of the replicates
Surrogate (S) or (Surr) - An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. Surrogates are used in most organic analysis to demonstrate matrix compatibility with the chosen method of analysis
Tentatively Identified Compound (TIC) - A compound not contained within the analytical calibration standards but present in the GCMS library of defined compounds. When the library is searched for an unknown compound, it can frequently give a tentative identification to the compound based on retention time and primary and secondary ion match. TICs are reported as estimates and are candidates for further investigation.
Units: the unit of measure used to express the reported result - mg/L and mg/Kg (equivalent to PPM - parts per million in liquid and solid), ug/L and ug/Kg (equivalent to PPB - parts per billion in liquid and solid), ug/m³ , mg.m³ , ppbv and ppmv (all units of measure for reporting concentrations in air), % (equivalent to 10000 ppm or 1,000,000 ppb), ug/Wipe (concentration found on the surface of a single Wipe usually taken over a 100cm ² surface)

LABORATORY QUALIFIERS:

<p>B - Indicates when the analyte is found in the associated method or preparation blank</p> <p>D - Surrogate is not recoverable due to the necessary dilution of the sample</p> <p>E - Indicates the reportable value is outside of the calibration range of the instrument but within the linear range of the instrument (unless otherwise noted) Values reported with an E qualifier should be considered as estimated.</p> <p>H- Indicates that the recommended holding time for the analyte or compound has been exceeded</p> <p>J- Indicates a value between the method MDL and PQL and that the reported concentration should be considered as estimated rather the quantitative</p> <p>NA - Not Analyzed</p> <p>N/A - Not Applicable</p> <p>NR - Not recoverable - a matrix spike concentration is not recoverable due to a concentration within the original sample that is greater than four times the spike concentration added</p> <p>R- The % RPD between a duplicate set of samples is outside of the absolute values established by laboratory control charts</p> <p>S- Spike recovery is outside of established method and/or laboratory control limits. Further explanation of the use of this qualifier should be included within a case narrative</p> <p>X -Used to indicate that a value based on pattern identification is within the pattern range but not typical of the pattern found in standards. Further explanation may or may not be provided within the sample footnote and/or the case narrative.</p>



Sample Receipt Checklist

Client Name: Soma Environmental

Date and Time Received: 1/19/2012 10:55

Project Name: 3519 Castro Valley Blvd., Castro Valley

Received By: NG

Work Order No.: 1201068

Physically Logged By: NG

Checklist Completed By: NG

Carrier Name: Client Drop Off

Chain of Custody (COC) Information

Chain of custody present? Yes
Chain of custody signed when relinquished and received? Yes
Chain of custody agrees with sample labels? Yes
Custody seals intact on sample bottles? Not Present

Sample Receipt Information

Custody seals intact on shipping container/cooler? Not Present
Shipping Container/Cooler In Good Condition? Yes
Samples in proper container/bottle? Yes
Samples containers intact? Yes
Sufficient sample volume for indicated test? Yes

Sample Preservation and Hold Time (HT) Information

All samples received within holding time? Yes
Container/Temp Blank temperature in compliance? Temperature: 4 °C
Water-VOA vials have zero headspace? Yes
Water-pH acceptable upon receipt? N/A
pH Checked by: pH Adjusted by:

All samples present and correct.



Login Summary Report

Client ID: TL5237 Soma Environmental
Project Name: 3519 Castro Valley Blvd., Castro Valley
Project # : 2761
Report Due Date: 1/26/2012

QC Level:
TAT Requested: 5+ day:0
Date Received: 1/19/2012
Time Received: 10:55

Comments:

Work Order # : 1201068

<u>WO Sample ID</u>	<u>Client Sample ID</u>	<u>Collection Date/Time</u>	<u>Matrix</u>	<u>Scheduled Disposal</u>	<u>Sample On Hold</u>	<u>Test On Hold</u>	<u>Requested Tests</u>	<u>Subbed</u>
1201068-001A	ESE-1R	01/18/12 14:09	Water	03/04/12			W_8260Pet EDF W_GCMS-GRO	
Sample Note: Gasoline Oxygenates:MTBE, TBA, DIPE, ETBE, TAME. Lead Scavengers: 1,2-DCA, EDB, ethanol								
1201068-002A	ESE-2R	01/18/12 13:46	Water	03/04/12			W_8260Pet W_GCMS-GRO	
1201068-003A	ESE-5R	01/18/12 15:34	Water	03/04/12			W_8260Pet W_GCMS-GRO	
1201068-004A	MW-6R	01/18/12 12:42	Water	03/04/12			W_8260Pet W_GCMS-GRO	
1201068-005A	MW-7R	01/18/12 11:38	Water	03/04/12			W_8260Pet W_GCMS-GRO	
1201068-006A	SOMA-1	01/18/12 13:26	Water	03/04/12			W_8260Pet W_GCMS-GRO	
1201068-007A	SOMA-2	01/18/12 11:17	Water	03/04/12			W_8260Pet W_GCMS-GRO	
1201068-008A	SOMA-3	01/18/12 10:57	Water	03/04/12			W_8260Pet W_GCMS-GRO	
1201068-009A	SOMA-4	01/18/12 10:27	Water	03/04/12			W_8260Pet W_GCMS-GRO	
1201068-010A	SOMA-5	01/18/12 14:35	Water	03/04/12			W_8260Pet W_GCMS-GRO	
1201068-011A	SOMA-7	01/18/12 15:53	Water	03/04/12			W_8260Pet W_GCMS-GRO	
1201068-012A	SOMA-8	01/18/12 13:04	Water	03/04/12			W_8260Pet W_GCMS-GRO	



Login Summary Report

Client ID: TL5237 Soma Environmental
Project Name: 3519 Castro Valley Blvd., Castro Valley
Project # : 2761
Report Due Date: 1/26/2012

QC Level:
TAT Requested: 5+ day:0
Date Received: 1/19/2012
Time Received: 10:55

Comments:

Work Order # : **1201068**

<u>WO Sample ID</u>	<u>Client Sample ID</u>	<u>Collection Date/Time</u>	<u>Matrix</u>	<u>Scheduled Disposal</u>	<u>Sample On Hold</u>	<u>Test On Hold</u>	<u>Requested Tests</u>	<u>Subbed</u>
1201068-013A	OB-1	01/18/12 15:17	Water	03/04/12			W_8260Pet W_GCMS-GRO	
1201068-014A	OB-2	01/18/12 14:58	Water	03/04/12			W_8260Pet W_GCMS-GRO	



483 Sinclair Frontage Road
Milpitas, CA 95035
Phone: 408.263.5258
FAX: 408.263.8293
www.torrentlab.com

CHAIN OF CUSTODY

LAB WORK ORDER NO
1201068

NOTE: SHADED AREAS ARE FOR TORRENT LAB USE ONLY

Company Name: SOMA Environmental Engineering, Inc.			Location of Sampling: 3519 Castro Valley Blvd., Castro Valley		
Address: 6620 Owens Drive, Suite A			Purpose: Groundwater Monitoring		
City: Pleasanton	State: CA	Zip Code: 94588	Special Instructions / Comments: Gasoline Oxygenates: TBA, DIPE, ETBE, TAME		
Telephone: 925-734-6400	FAX: 925-734-6401		Lead Scavengers: 1,2-DCA, EDB		
REPORT TO: Joyce Bobek		SAMPLER: Lizzie Hightower	P.O. #: 2761	EMAIL: jbobek@somaenv.com	

TURNAROUND TIME:		SAMPLE TYPE:		REPORT FORMAT:	
<input type="checkbox"/> 10 Work Days	<input type="checkbox"/> 3 Work Days	<input type="checkbox"/> Storm Water	<input type="checkbox"/> Air	<input type="checkbox"/> GC Level IV	ANALYSIS REQUESTED
<input type="checkbox"/> 7 Work Days	<input type="checkbox"/> 2 Work Days	<input type="checkbox"/> Waste Water	<input type="checkbox"/> Other	<input checked="" type="checkbox"/> EDF	
<input checked="" type="checkbox"/> 5 Work Days	<input type="checkbox"/> 1 Work Day	<input checked="" type="checkbox"/> Ground Water		<input type="checkbox"/> Excel / EDD	

LAB ID	CLIENT'S SAMPLE I.D.	DATE / TIME SAMPLED	MATRIX	# OF CONT	CONT TYPE	TPH-g 8260B	BTEX, MIBE 8260B	Gas Ox 8260B	Lead Scavengers 87	Ethanol	REMARKS
001A	ESE-1R	1/18/12 14:29	W	3	VOAs	✓	✓	✓	✓	✓	
002A	ESE-2R	1/18/12 13:46	W	3	VOAs	✓	✓	✓	✓	✓	
003A	ESE-5R	1/18/12 15:34	W	3	VOAs	✓	✓	✓	✓	✓	
004A	MW-6R	1/18/12 12:42	W	3	VOAs	✓	✓	✓	✓	✓	
005A	MW-7R	1/18/12 11:38	W	3	VOAs	✓	✓	✓	✓	✓	
006A	SOMA-1	1/18/12 13:26	W	3	VOAs	✓	✓	✓	✓	✓	
007A	SOMA-2	1/18/12 11:17	W	3	VOAs	✓	✓	✓	✓	✓	Temp 4°C
008A	SOMA-3	1/18/12 10:57	W	3	VOAs	✓	✓	✓	✓	✓	
009A	SOMA-4	1/18/12 10:27	W	3	VOAs	✓	✓	✓	✓	✓	
010A	SOMA-5	1/18/12 14:35	W	3	VOAs	✓	✓	✓	✓	✓	

Relinquished By: <i>[Signature]</i>	Print: E. Hightower	Date: 1/19/12	Time: 10:55	Received By: <i>[Signature]</i>	Print: NAVING	Date: 1-19-12	Time: 10:55
Relinquished By: 2	Print:	Date:	Time:	Received By:	Print:	Date:	Time:

Were Samples Received in Good Condition? Yes NO Samples on Ice? Yes NO Method of Shipment D/O Sample seals intact? Yes NO N/A

NOTE: Samples are discarded by the laboratory 30 days from date of receipt unless other arrangements are made.

Log In By: _____ Date: _____ Log In Reviewed By: _____ Date: _____ Page 1 of 2

D/O



483 Sinclair Frontage Road
 Milpitas, CA 95035
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 FAX: 408.263.8293
 www.torrentlab.com

CHAIN OF CUSTODY

LAB WORK ORDER NO

1201068

NOTE: SHADED AREAS ARE FOR TORRENT LAB USE ONLY

Company Name: SOMA Environmental Engineering, Inc.		Location of Sampling: 3519 Castro Valley Blvd., Castro Valley	
Address: 6620 Owens Drive, Suite A		Purpose: Groundwater Monitoring	
City: Pleasanton	State: CA	Zip Code: 94588	Special Instructions / Comments: Gasoline Oxygenates: TBA, DIPE, ETBE, TAME
Telephone: 925-734-6400	FAX: 925-734-6401	Lead Scavengers: 1,2-DCA, EDB	
REPORT TO: Joyce Bobek	SAMPLER: Lizzie Hightower	P.O. #: 2761	EMAIL: jbobek@somaenv.com

TURNAROUND TIME:

10 Work Days 3 Work Days Noon - Nxt Day
 7 Work Days 2 Work Days 2 - 8 Hours
 5 Work Days 1 Work Day Other

SAMPLE TYPE:

Storm Water Air
 Waste Water Other
 Ground Water QC Level IV
 Soil EDF
 Excel / EDD

REPORT FORMAT:

← **ANALYSIS REQUESTED**

LAB ID	CLIENT'S SAMPLE I.D.	DATE / TIME SAMPLED	MATRIX	# OF CONT	CONT TYPE	TPH-g 8260B	BTEX, MIBE 8260E	Gas Ox 8260B	Lead Scavengers 82	Ethanol	REMARKS
<i>Q11A</i>	SOMA-7	<i>1/18/12 15:53</i>	W	3	VOAs	✓	✓	✓	✓	✓	
<i>Q12A</i>	SOMA-8	<i>1/18/12 13:04</i>	W	3	VOAs	✓	✓	✓	✓	✓	
<i>Q13A</i>	OB-1	<i>1/18/12 15:17</i>	W	3	VOAs	✓	✓	✓	✓	✓	
<i>Q14A</i>	OB-2	<i>1/18/12 14:58</i>	W	3	VOAs	✓	✓	✓	✓	✓	
											<i>Temp 4°C</i>

Relinquished By: <i>[Signature]</i> Print: E. Hightower Date: 1/19/12 Time: 10:55	Received By: <i>[Signature]</i> Print: NAVIN G Date: 1-19-12 Time: 10:55
Relinquished By: _____ Date: _____ Time: _____	Received By: _____ Date: _____ Time: _____

Were Samples Received in Good Condition? Yes NO Samples on Ice? Yes NO Method of Shipment **DLO** Sample seals intact? Yes NO N/A

NOTE: Samples are discarded by the laboratory 30 days from date of receipt unless other arrangements are made.

Log In By: _____ Date: _____ Log In Reviewed By: _____ Date: _____

Page **2** of **2**

Appendix D

Non-Hazardous Waste Manifest for Groundwater Removal

NON-HAZARDOUS WASTE MANIFEST		1. Generator ID Number CAL000102251	2. Page 1 of 1	3. Emergency Response Phone 510-749-1300	4. Waste Tracking Number 01235-CV	
5. Generator's Name and Mailing Address AZIM SHAKOORI 4313 MANSFIELD DR DANVILLE CA 94508 Generator's Phone: 510 432-6588			Generator's Site Address (If different than mailing address) AZIM SHAKOORI 3519 CASTRO VALLEY BLVD. CASTRO VALLEY CA 94508			
6. Transporter 1 Company Name NRC ENVIRONMENTAL SERVICES INC.			U.S. EPA ID Number CAR000030114			
7. Transporter 2 Company Name			U.S. EPA ID Number			
8. Designated Facility Name and Site Address Crosby & Overton, Inc. 1830 W. 17th Street Long Beach CA 90813 Facility's Phone: 562 432-5445			U.S. EPA ID Number CAD028409019			
9. Waste Shipping Name and Description		10. Containers		11. Total Quantity	12. Unit Wt/Vol.	
		No.	Type			
NON-HAZARDOUS WASTE SOLID (SOIL CUTTINGS) <i>PP</i>					<i>PP</i>	
NON-HAZARDOUS WASTE LIQUID (PURGE WATER) <i>(2x55)</i>		<i>002</i>	<i>DM</i>	<i>10</i>	<i>G</i>	
3.						
4.						
13. Special Handling Instructions and Additional Information WEAR APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT. JOB#/PO#: 61235 PROFILE # 1151544 2151545 SOMA PROJECT # 2761. CONSULTANT: SOMA ENVIRONMENTAL 6620 OWENS DRIVE, SUITE A, PLEASANTON, CA. <i>D52802</i>						
14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable International and national governmental regulations.						
Generator's/Offoror's Printed/Typed Name <i>ERICA FISHER</i>			Signature <i>Erica Fisher</i>		Month Day Year <i>8 4 11</i>	
15. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Date leaving U.S.: _____						
16. Transporter Acknowledgment of Receipt of Materials						
Transporter 1 Printed/Typed Name <i>Robert Rodriguez</i>			Signature <i>Robert Rodriguez</i>		Month Day Year <i>8 4 11</i>	
Transporter 2 Printed/Typed Name			Signature		Month Day Year	
17. Discrepancy						
17a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection						
Manifest Reference Number: _____ U.S. EPA ID Number _____						
17b. Alternate Facility (or Generator)						
Facility's Phone: _____						
17c. Signature of Alternate Facility (or Generator)						
18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a						
Printed/Typed Name <i>Liset Viana</i>			Signature <i>Liset Viana</i>		Month Day Year <i>08 15 11</i>	