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ENVIRONMENTAL ENGINEERING, INC
6620 Owens Drive, Suite A • Pleasanton, CA 94588-3334
TEL (925) 734-6400 • FAX (925) 734-6401

February 1, 2007

Mr. Steven Plunkett
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

Subject: **#RO0000346**

Site Address: 3519 Castro Valley Boulevard, Castro Valley, CA
Castro Valley Gasoline Service Station

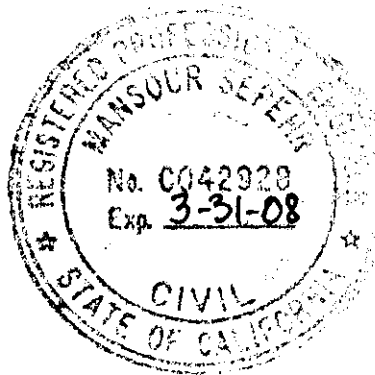
Dear Mr. Plunkett:

SOMA's "First Quarter 2007 Groundwater Monitoring Report" for the subject property has been uploaded to the State's GeoTracker database and Alameda County's FTP site for your review.

Thank you for your time in reviewing our report. If you have any questions or comments, please call me at (925) 734-6400.

Sincerely,

Mansour Sepehr, Ph.D., PE
Principal Hydrogeologist



Enclosure

cc: Mr. Mirazim Shakoori w/enclosure
Mr. Matt Herrick – Broadbent & Associates, Inc. w/enclosure



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First Quarter 2007
Groundwater Monitoring Report
Castro Valley Gasoline Service Station
3519 Castro Valley Boulevard
Castro Valley, California

February 1, 2007

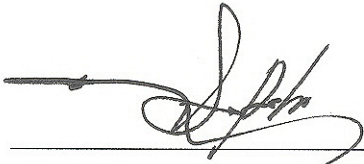
Project 2761

Prepared for
Mr. Mirazim Shakoori
3519 Castro Valley Boulevard
Castro Valley, California 94546

Prepared by
SOMA Environmental Engineering, Inc.
6620 Owens Drive, Suite A
Pleasanton, California 94588

Certification

This report has been prepared by SOMA Environmental Engineering, Inc. on behalf of Mr. Mirazim Shakoori, the property owner of 3519 Castro Valley Boulevard, Castro Valley, California to comply with the Alameda County Health Care Services' requirements for the First Quarter 2007 groundwater monitoring event.



Mansour Sepehr, Ph.D., P.E.
Principal Hydrogeologist



Table of Contents

Certification.....	i
Table of Contents.....	ii
List of Tables.....	iii
List of Figures	iii
List of Appendices.....	iii
1.0 Introduction.....	1
1.1 Previous Activities.....	1
2.0 Results.....	2
2.1 Field Measurements	2
2.2 Laboratory Analyses.....	3
3.0 Conclusions & Recommendations.....	4

List of Tables

- Table 1: Historical Groundwater Elevations & Analytical Data
TPH-g, BTEX, and MtBE
- Table 2: Historical Groundwater Analytical Data, Gasoline Oxygenates &
Lead Scavengers

List of Figures

- Figure 1: Site vicinity map.
- Figure 2: Site map showing locations of existing monitoring wells, decommissioned wells, offsite temporary well boreholes, and monitoring wells installed by SOMA.
- Figure 3: Groundwater elevation contour map in feet. January 12, 2007.
- Figure 4: Contour map of TPH-g concentrations in groundwater.
January 12, 2007.
- Figure 5: Contour map of MtBE concentrations in groundwater.
(EPA Method 8260B). January 12, 2007.
- Figure 6: Contour map of TBA concentrations in groundwater.
January 12, 2007.

List of Appendices

- Appendix A: SOMA's Groundwater Monitoring Procedures
- Appendix B: Table of Elevations & Coordinates on Monitoring Wells
Measured by Kier Wright Civil Engineers Surveyors, Inc.
& Field measurements of physical and chemical properties of
the groundwater samples collected during the First Quarter 2007
- Appendix C: Chain of Custody form and laboratory report for the First Quarter
2007 monitoring event
- Appendix D: Non-Hazardous Waste Manifest for Groundwater Removal

1.0 Introduction

This report has been prepared by SOMA Environmental Engineering, Inc. (SOMA) on behalf of Mr. Mirazim Shakoori, the property owner of the former BP gasoline station located at 3519 Castro Valley Boulevard, Castro Valley, California ("the Site"), as shown in Figure 1. The Site is located in an area consisting primarily of residential and commercial properties.

This report summarizes the results of the First Quarter 2007 groundwater monitoring event conducted at the Site on January 12, 2007. Included in this report are the physical and chemical properties measured in the field for each groundwater sample. The physical and chemical properties consisted of measurements of pH, temperature, and electrical conductivity (EC). This report also includes the laboratory analytical results on the groundwater samples.

These activities were performed in accordance with the general guidelines of the California Regional Water Quality Control Board (CRWQCB) and the Alameda County Health Care Services (ACHCS). Appendix A details the procedures used by SOMA during this monitoring event.

1.1 Previous Activities

In 1984, three single-walled fiberglass underground storage tanks (USTs) with capacities of 6,000 gallons, 8,000 gallons, and 10,000 gallons were installed in the southeastern portion of the Site. A former dispenser island reportedly existed on the west side of the Site; however, there was no available information on the date of the dispenser removal.

In 1988, a 1,000-gallon double-walled fiberglass waste oil tank (WOT) was installed to replace the previous 380-gallon WOT. In September 1988, Kaprealian Engineering, Inc. (KEI) removed the original 380-gallon WOT and observed holes in this UST. Due to holes observed in the former WOT, confirmation soil samples were collected from the bottom of the excavation. The following analytical soil results were observed: benzene and toluene were detected at 6.8 ug/Kg and 9.5 ug/Kg, respectively. Total petroleum hydrocarbons (TPH) and total oil and grease (TOG) constituents were not detected.

In September and October 1992, Environmental Science & Engineering, Inc. (ESE) drilled five soil boreholes and converted them into monitoring wells (ESE-1 through ESE-5). Soil and groundwater samples were collected during the well installation. In the soil samples, the maximum level of soil contamination was detected in monitoring well borehole ESE-5 at 220,000 ug/Kg total petroleum hydrocarbons as gasoline (TPH-g), 1,400 ug/Kg benzene, 8,200 ug/Kg toluene, 3,300 ug/Kg ethylbenzene, and 18,000 ug/Kg xylenes. In the groundwater samples collected from ESE-1, the maximum concentrations were TPH-g at 2,300 ug/L, benzene at 370 ug/L, toluene at 160 ug/L, ethylbenzene at

17 ug/L, and xylenes at 110 ug/L. Figure 2 shows the locations of the wells.

In July 1995, three additional monitoring wells were installed (two on-site wells, MW-6 and MW-8, and one off-site well, MW-7). In April 1996, well MW-8, which was located on the western margin of the Site, was decommissioned to accommodate the road-widening project along Redwood Boulevard. Figure 2 shows the locations of these wells.

On August 20, 2003, prior to the UST removal activities, SOMA oversaw Vironex drill two boreholes. The two boreholes were drilled in order to characterize the soil for landfill acceptance criteria. The borehole locations are shown on Figure 2. In September 2003, three single-walled fiberglass USTs, with capacities of 6,000 gallons, 8,000 gallons, and 10,000 gallons were removed and replaced with new double-walled fuel tanks. The new USTs consisted of double-walled fiberglass tanks with capacities of 12,000 gallons and 20,000 gallons. In addition to the removal and replacement of the USTs, the dispensers, product lines, and vent lines were also removed and replaced. During the Third Quarter 2003, two monitoring wells, ESE-3 and ESE-4, were decommissioned due to construction activities.

In December 2003, SOMA oversaw the drilling of off-site temporary well boreholes. The boreholes were drilled to determine the horizontal extent of the petroleum hydrocarbon contamination in the off-site areas. The locations of the temporary boreholes are displayed in Figure 2.

On June 10, 2004, SOMA installed on and off-site monitoring wells at the Site. SOMA-1 was installed in the southeastern section of the Site; SOMA-2 to SOMA-4 were installed south and southeast of the Site. Figure 2 shows the locations of these monitoring wells. Kier and Wright Engineers Surveyors, of Pleasanton, California, surveyed all site wells on June 21, 2004. Appendix B shows the elevations and coordinates of the surveyed wells.

2.0 Results

The following sections provide the results of the field measurements and laboratory analyses for the January 12, 2007 groundwater monitoring event. Well ESE-2 was covered by soil generated from on-site construction activities; therefore, this well was inaccessible and not monitored.

2.1 Field Measurements

Table 1 presents the calculated groundwater elevation, as well as the depth to groundwater in each monitoring well. The depths to groundwater ranged from 7.41 feet in well ESE-5 to 10.38 feet in well SOMA-1. The groundwater elevations ranged from 167.08 feet in well SOMA-3 to 171.67 feet in well MW-6. Table 1 also presents the historical groundwater elevations in the monitoring wells.

The groundwater elevation contour map is displayed in Figure 3. The

groundwater flow direction is south to southeasterly across the Site. The groundwater gradient is approximately 0.014 feet/feet. The groundwater flow direction and gradient are consistent with the previous (Fourth Quarter 2006) monitoring event.

Refer to Table 1 for detailed historical groundwater elevation trends.

2.2 Laboratory Analyses

Table 1 also presents the total petroleum hydrocarbons as gasoline (TPH-g), benzene, toluene, ethylbenzene, total xylenes (BTEX), and Methyl tertiary Butyl Ether (MtBE) laboratory analytical results on the groundwater samples. Table 2 presents the results of the gasoline oxygenate and lead scavenger laboratory analyses on the groundwater samples.

TPH-g was below the laboratory reporting limit in the groundwater samples collected throughout the Site, with the exception of wells ESE-1 and ESE-5. TPH-g was detected in wells ESE-1 and ESE-5 at 561 ug/L and 868 ug/L, respectively. However, TPH-g has decreased in well ESE-1 since April 2006.

Figure 4 displays the contour map of TPH-g concentrations in the groundwater. As illustrated in Figure 4, TPH-g has only minimally impacted the Site's groundwater. The highest TPH-g concentration was detected southwest of the former USTs.

The following BTEX analytes were observed during this monitoring event.

- In well ESE-5, both toluene and total xylenes were below the laboratory reporting limit; benzene and ethylbenzene were detected at 2.18 ug/L and 2.66 ug/L, respectively.
- In wells MW-6 and all off-site wells (MW-7, SOMA-1 to SOMA-4), all BTEX analytes were below the laboratory reporting limit.
- The highest BTEX concentrations were detected in well ESE-1 at 153 ug/L, 7.18 ug/L, 14.4 ug/L, and 14.95 ug/L, respectively.

Due to the low or non-detectable levels of benzene throughout the Site, no iso-concentration benzene figure was drawn.

MtBE was below the laboratory reporting limit in wells MW-6 and SOMA-2. Detectable MtBE concentrations ranged from 16.3 µg/L in well ESE-5 to 68.7 ug/L in well SOMA-1. Figure 5 displays the contour map of MtBE concentrations in the groundwater. The MtBE plume has migrated off-site; however, only trace concentrations were detected in the off-site wells, with the exception of well SOMA-2.

The following gasoline oxygenates and lead scavengers analytes were observed

during this monitoring event.

- The major gasoline oxygenate of concern was tert-Butyl-Alcohol (TBA), all other gasoline oxygenates and lead scavengers, which consist of Isopropyl Ether (DIPE), Ethyl tertiary Butyl Ether (EtBE), Methyl tert-Amyl Ether (TAME), ethanol, 1,2-Dichloroethane (1,2-DCA), and 1,2-Dibromoethane (EDB) constituents were below the laboratory reporting limit in all of the groundwater samples collected during this monitoring event.
- TBA was only detected in wells ESE-1 and SOMA-1 at 103 ug/L and 396 ug/L, respectively. Figure 6 displays the contour map of TBA concentrations in the groundwater.

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 Quarter 2007 monitoring event. A copy of the non-hazardous waste manifest for the groundwater removal is shown in Appendix D.

3.0 Conclusions & Recommendations

The findings of the First Quarter 2007 groundwater monitoring event can be summarized as follows:

- The groundwater flow direction has remained south to southeasterly across the Site.
- TBA is formed in the environment through oxidation of MtBE in the atmosphere followed by hydrolysis or through microbial oxidation of MtBE in impacted aquifer materials. In general, both the MtBE and TBA plumes appear to be centrally located in the southeastern section of the Site. This can be attributed to the south to southeasterly groundwater flow direction across the Site from the former UST cavity.
- Due to the high mobility rate of MtBE, this constituent has migrated off-site. All tested constituents, with the exception of MtBE, were at non-detectable levels in all off-site wells. In the northern section of the Site, in well MW-6, all tested constituents were at non-detectable levels.
- TPH-g has remained at a low level in the western section of the Site, in well ESE-5, where there was once a source area; the remaining tested constituents, BTEX, MtBE, and gasoline oxygenates, were at low or non-detectable levels. Therefore, a no further action (NFA) status should be adopted by the ACHCS for this site.

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
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	

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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-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
	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	

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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-1 cont.	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
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	1700	260	24	110	23	NA
	6/29/1993	178.23	NM	NM	1300	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	1700	<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	1200	4	<2.5	<2.5	<5	NA
	7/28/1995	178.23	10.64	167.59	2000	<2.5	<2.5	<2.5	<5	NA
	11/17/1995	178.23	11.13	167.10	3600	<25	<25	<25	<50	12000
	11/17/1995	178.23	NM	NM	3400	<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	2900	<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	2700	<0.5	<1	<1	<1	15000
7/18/1997	178.23	11.02	167.21	11000	<5	<10	<10	<10	11000	
10/27/1997	178.23	10.93	167.30	6100	<2.5	<5.0	<5.0	<5.0	7100	
10/27/1997	178.23	NM	NM	6600	<2.5	<5.0	<5.0	<5.0	7400	

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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-2 cont	1/22/1998	178.23	7.93	170.30	13000	<0.5	<1	<1	<1	10000
	1/22/1998	178.23	NM	NM	13000	<0.5	<1	<1	<1	10000
	4/23/1998	178.23	9.34	168.89	19000	<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	19000	<5	<10	<10	<10	36000
	12/17/1998	178.23	10.20	168.03	12000	<5	<5	<5	<5	13000
	3/19/1999	178.23	9.02	169.21	18000	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	1600	<0.5	0.73	<0.5	2.2	9400
	12/14/2000	178.23	11.15	167.08	6000	0.75	<0.5	<0.5	<0.5	11200
	3/21/2001	178.23	10.35	167.88	6900	786	45.7	37.7	71.5	3790
	6/18/2001	178.23	11.24	166.99	6400	<2.5	<2.5	<2.5	<7.5	9320
	9/18/2001	178.23	11.35	166.88	4800	<12.5	<12.5	<12.5	<37.5	6960
	12/13/2001	178.23	10.97	167.26	59000	0.592	<0.5	<0.5	<1	5940
	3/14/2002	178.23	10.13	168.10	4500	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	1500	<5	<5	<5	6.3	3100
	12/16/2002	178.23	7.87	170.36	1400	<5	<5	<5	<5	2400
	3/11/2003	178.23	10.24	167.99	2800	<10	<10	<10	<10	4800
	6/17/2003	178.23	10.19	168.04	10000	<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

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 cont	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
	1/12/2007	180.79	NM	NM	NA	NA	NA	NA	NA	NA
<hr/>										
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
	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	

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-3 cont.	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	1.7	3.7	14	78	
	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	

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-4 cont.	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
	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	

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	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
	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

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.	1/22/1998	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
	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	

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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.	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
	11/2/2007	178.80	7.41	171.39	868	2.18	<2.0	2.66	<2.0	16.3
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
	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	

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.	3/14/2002	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
	1/12/2007	181.80	10.13	171.67	<50	<0.5	<2.0	<0.5	<2.0	<0.5
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

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.	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
	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

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.	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
	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	
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

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	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
	1/12/2007	180.95	10.38	170.57	<50	<0.5	<2.0	<0.5	<2.0	68.7
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
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

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-3 cont	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
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

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 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.

NM: Not Measured

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

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.

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-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	
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	<1000	<0.5	<0.5
	5/21/2004	2400	<10	<10	25	<20,000	<10	<10
	8/10/2004	2300	<2.5	<2.5	12	<5000	<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-2 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	<4300	<2.15	<2.15
	7/7/2005	109	<2.15	<2.15	9.7	<4300	<2.15	<2.15
	11/15/2005	64.7	<0.5	<0.5	3.43	<1000	<0.5	<0.5
	2/8/2006	46.4	<2.15	<2.15	11	<4300	<2.15	<2.15
	4/27/2006	47.7	<1.0	<1.0	8.29	<2000	<1.0	<1.0
	8/1/2006	20.6	<1.0	<1.0	4.67	<2000	<1.0	<1.0
	10/19/2006	28.9	<0.5	<0.5	4.55	<1000	<0.5	<0.5
	1/12/2007	NA	NA	NA	NA	NA	NA	NA
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	<1000	<0.5	<0.5
	1/14/2005	<10	<0.5	<0.5	<0.5	<1000	<0.5	<0.5
	4/14/2005	17	<0.5	<0.5	<2.0	<1000	<0.5	<0.5
	7/7/2005	<10	<0.5	<0.5	<2.0	<1000	<0.5	<0.5
	11/15/2005	<10	<0.5	<0.5	<2.0	<1000	<0.5	<0.5
	2/8/2006	<10	<0.5	<0.5	<2.0	<1000	<0.5	<0.5
	4/27/2006	<10	<0.5	<0.5	<2.0	<1000	<0.5	<0.5
	8/1/2006	<10	<0.5	<0.5	<2.0	<1000	<0.5	<0.5
	10/19/2006	<10	<0.5	<0.5	<2.0	<1000	<0.5	<0.5
	1/12/2007	<2.0	<0.5	<0.5	<2.0	<1000	<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	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	<1000	<0.5	<0.5
	1/14/2005	<10	<0.5	<0.5	<0.5	<1000	<0.5	<0.5
	4/14/2005	<2.5	<0.5	<0.5	<2.0	<1000	<0.5	<0.5
	7/7/2005	<10	<0.5	<0.5	<2.0	<1000	<0.5	<0.5
	11/15/2005	<10	<0.5	<0.5	<2.0	<1000	<0.5	<0.5
	2/8/2006	<10	<0.5	<0.5	<2.0	<1000	<0.5	<0.5
	4/27/2006	<10	<0.5	<0.5	<2.0	<1000	<0.5	<0.5
	8/1/2006	<10	<0.5	<0.5	<2.0	<1000	<0.5	<0.5
	10/19/2006	<10	<0.5	<0.5	<2.0	<1000	<0.5	<0.5
	1/12/2007	<2.0	<0.5	<0.5	<2.0	<1000	<0.5	<0.5
MW-7	9/17/2003	<10	<0.5	<0.5	9.8	<1000	<0.5	<0.5
	12/9/2003	<25	<1.3	<1.3	8.1	<2500	<1.3	<1.3
	2/26/2004	<10	<0.5	<0.5	9.9	<1000	<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	<2500	<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	<1000	<0.5	<0.5
	7/7/2005	55.6	<1.0	<1.0	10.2	<2000	<1.0	<1.0
	11/15/2005	10.6	<0.5	<0.5	2.07	<1000	<0.5	<0.5
	2/8/2006	<10	<0.5	<0.5	2.19	<1000	<0.5	<0.5
	4/27/2006	<10	<0.5	<0.5	2.63	<1000	<0.5	<0.5
	8/1/2006	<10	<0.5	<0.5	<2.0	<1000	<0.5	<0.5
	10/19/2006	<10	<0.5	<0.5	<2.0	<1000	<0.5	<0.5
	1/12/2007	<2.0	<0.5	<0.5	<2.0	<1000	<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-1	8/10/2004	2300	<6.3	<6.3	53	<13000	<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	<11000	<5.5	<5.5
	7/7/2005	2180	<2.15	<2.15	12.9	<4300	<2.15	<2.15
	11/15/2005	792	<0.5	<0.5	5.01	<1000	<0.5	<0.5
	2/8/2006	618	<0.5	<0.5	3.67	<1000	<0.5	<0.5
	4/27/2006	983	<0.5	<0.5	3.48	<1000	<0.5	<0.5
	8/1/2006	639	<0.5	<0.5	2.27	<1000	<0.5	<0.5
	10/19/2006	603	<0.5	<0.5	2.25	<1000	<0.5	<0.5
	1/12/2007	396	<0.5	<0.5	<2.0	<1000	<0.5	<0.5
SOMA-2	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	<1000	<0.5	<0.5
	1/14/2005	<10	<0.5	<0.5	<0.5	<1000	<0.5	<0.5
	4/14/2005	<2.5	<0.5	<0.5	<2.0	<1000	<0.5	<0.5
	7/7/2005	<10	<0.5	<0.5	<2.0	<1000	<0.5	<0.5
	11/15/2005	<10	<0.5	<0.5	<2.0	<1000	<0.5	<0.5
	2/8/2006	<10	<0.5	<0.5	<2.0	<1000	<0.5	<0.5
	4/27/2006	<10	<0.5	<0.5	<2.0	<1000	<0.5	<0.5
	8/1/2006	<10	<0.5	<0.5	<2.0	<1000	<0.5	<0.5
	10/19/2006	<10	<0.5	<0.5	<2.0	<1000	<0.5	<0.5
	1/12/2007	<2.0	<0.5	<0.5	<2.0	<1000	<0.5	<0.5
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
	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	<1000	<0.5	<0.5
	7/7/2005	<10	<0.5	<0.5	<2.0	<1000	<0.5	<0.5
	11/15/2005	<10	<0.5	<0.5	<2.0	<1000	<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-3 cont.	2/8/2006	<10	<0.5	<0.5	<2.0	<1000	<0.5	<0.5
	4/27/2006	<10	<0.5	<0.5	<2.0	<1000	<0.5	<0.5
	8/1/2006	<10	<0.5	<0.5	<2.0	<1000	<0.5	<0.5
	10/19/2006	<10	<0.5	<0.5	<2.0	<1000	<0.5	<0.5
	1/12/2007	<2.0	<0.5	<0.5	<2.0	<1000	<0.5	<0.5
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	<1000	<0.5	<0.5
	7/7/2005	<10	<0.5	<0.5	<2.0	<1000	<0.5	<0.5
	11/15/2005	<10	<0.5	<0.5	<2.0	<1000	<0.5	<0.5
	2/8/2006	<10	<0.5	<0.5	<2.0	<1000	<0.5	<0.5
	4/27/2006	<10	<0.5	<0.5	<2.0	<1000	<0.5	<0.5
	8/1/2006	<10	<0.5	<0.5	<2.0	<1000	<0.5	<0.5
	10/19/2006	<10	<0.5	<0.5	<2.0	<1000	<0.5	<0.5
	1/12/2007	<2.0	<0.5	<0.5	<2.0	<1000	<0.5	<0.5

Notes:

< : Not detected above laboratory reporting limit.

NA: 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 was inaccessible during the First Quarter 2007, dirt was covered over well

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

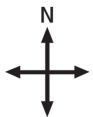
Ethanol

Lead Scavengers:

1,2-DCA: 1,2-Dichloroethane

EDB: 1,2-Dibromoethane

Figures



approximate scale in feet

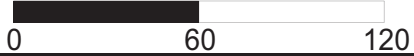


Figure 1: Site vicinity map.

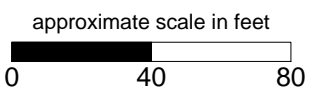
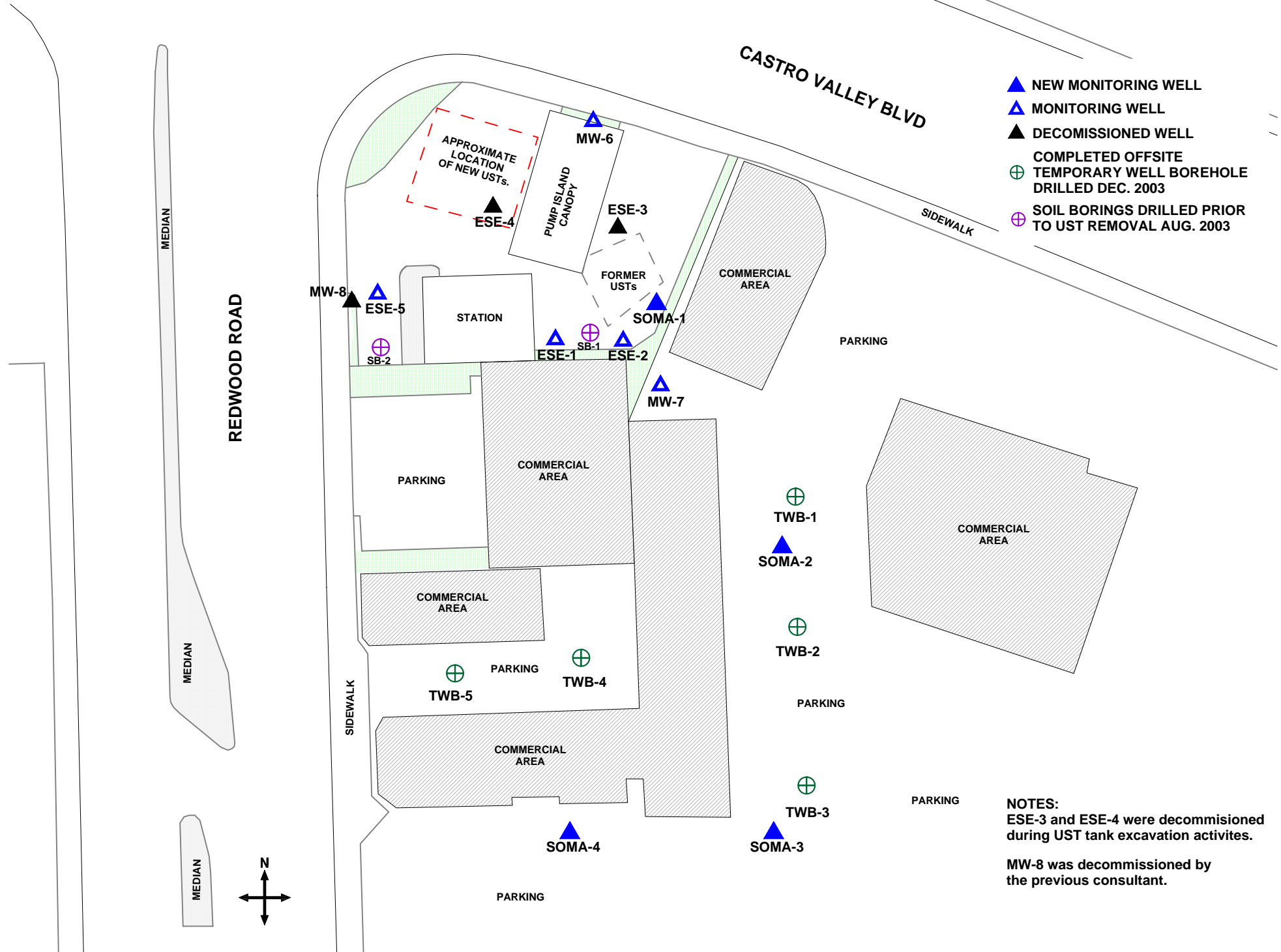


Figure 2: Site map showing locations of existing monitoring wells, decommissioned wells, offsite temporary well boreholes, and monitoring wells installed by SOMA.



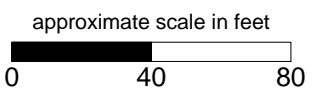
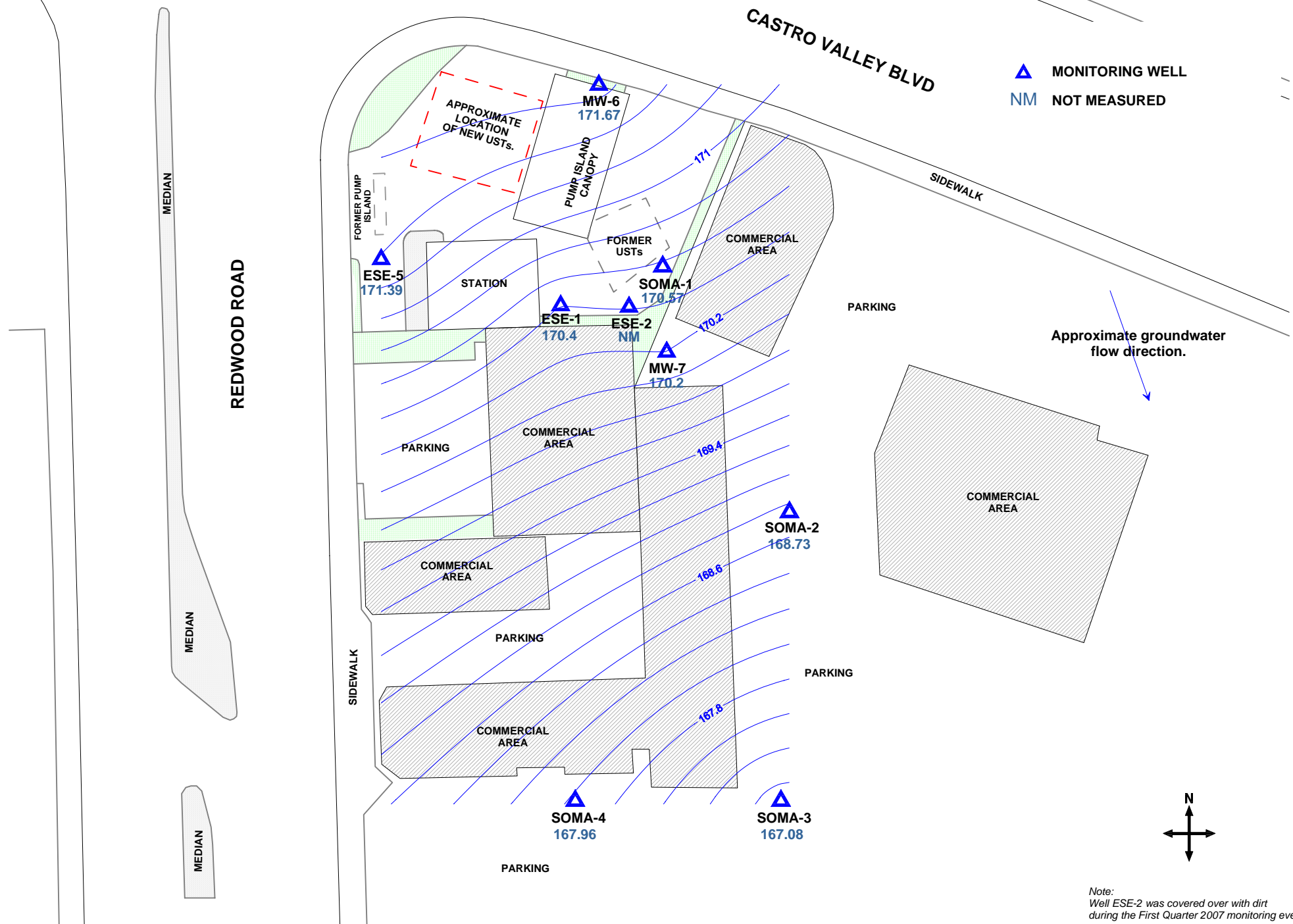
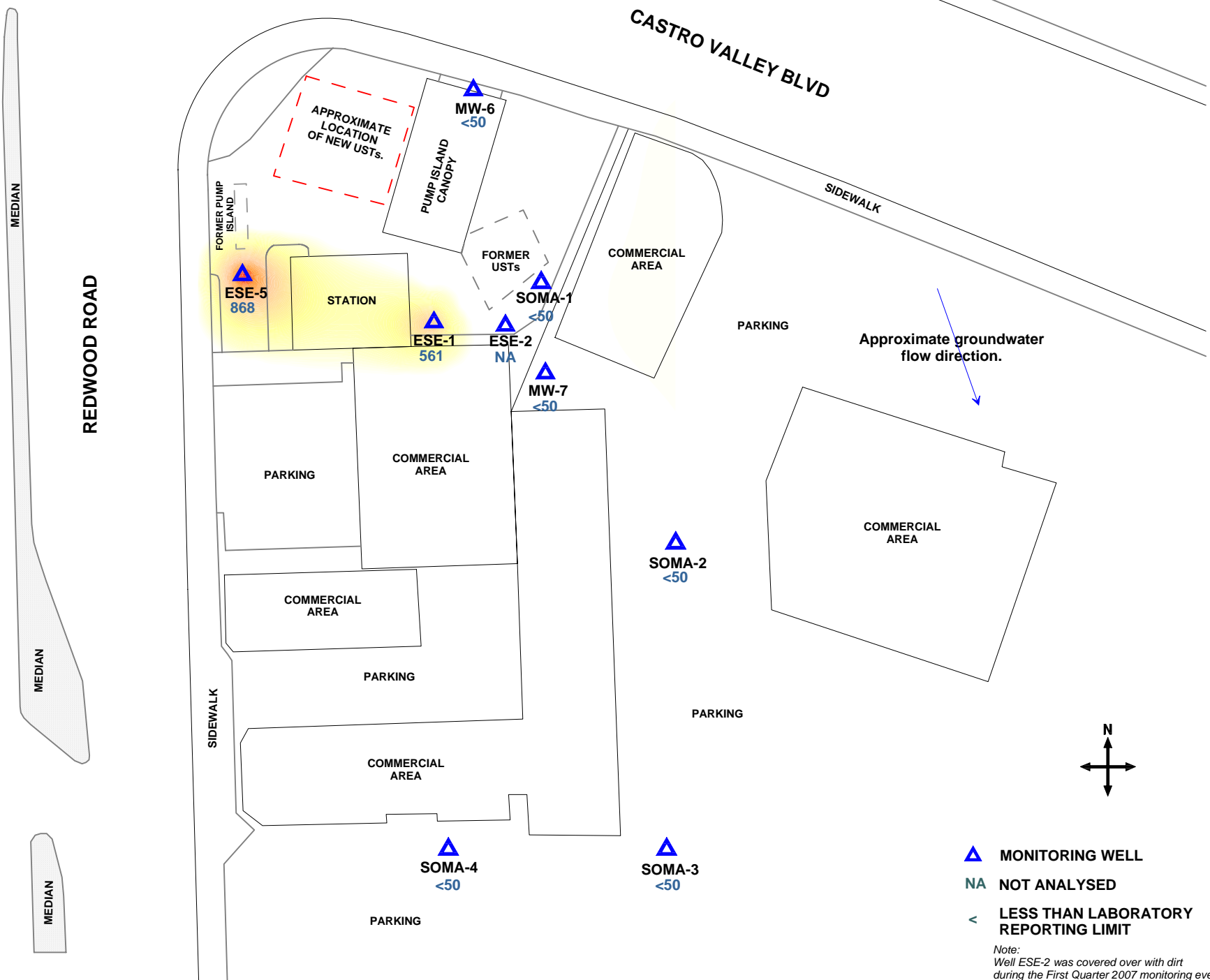
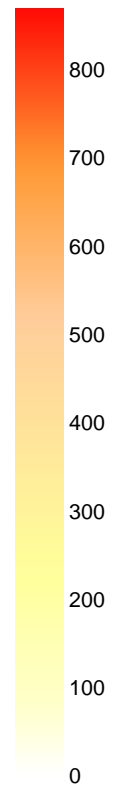


Figure 3: Groundwater elevation contour map in feet. January 12, 2007.

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



TPH-g
μg/L



- ▲ MONITORING WELL
- NA NOT ANALYSED
- < LESS THAN LABORATORY REPORTING LIMIT

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

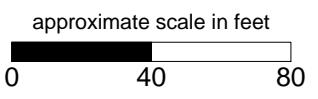
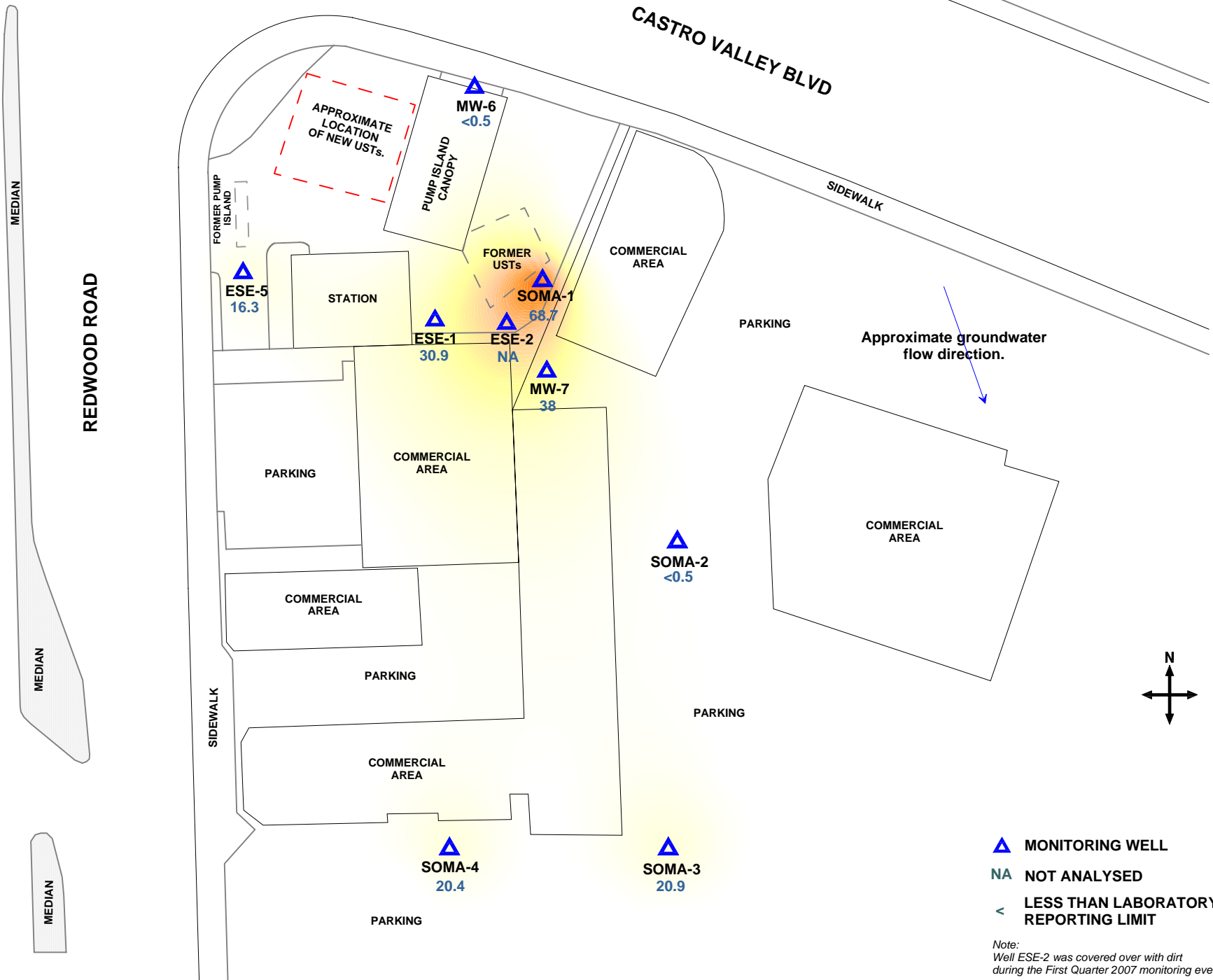
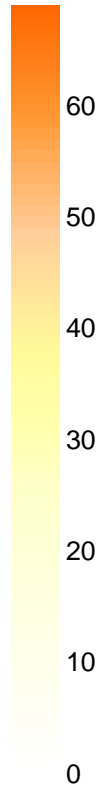


Figure 4: Contour map of TPH-g concentrations in groundwater.
January 12, 2007.



MtBE
µg/L



- ▲ MONITORING WELL
- NA NOT ANALYSED
- < LESS THAN LABORATORY REPORTING LIMIT

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

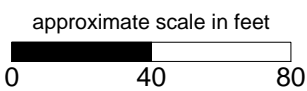
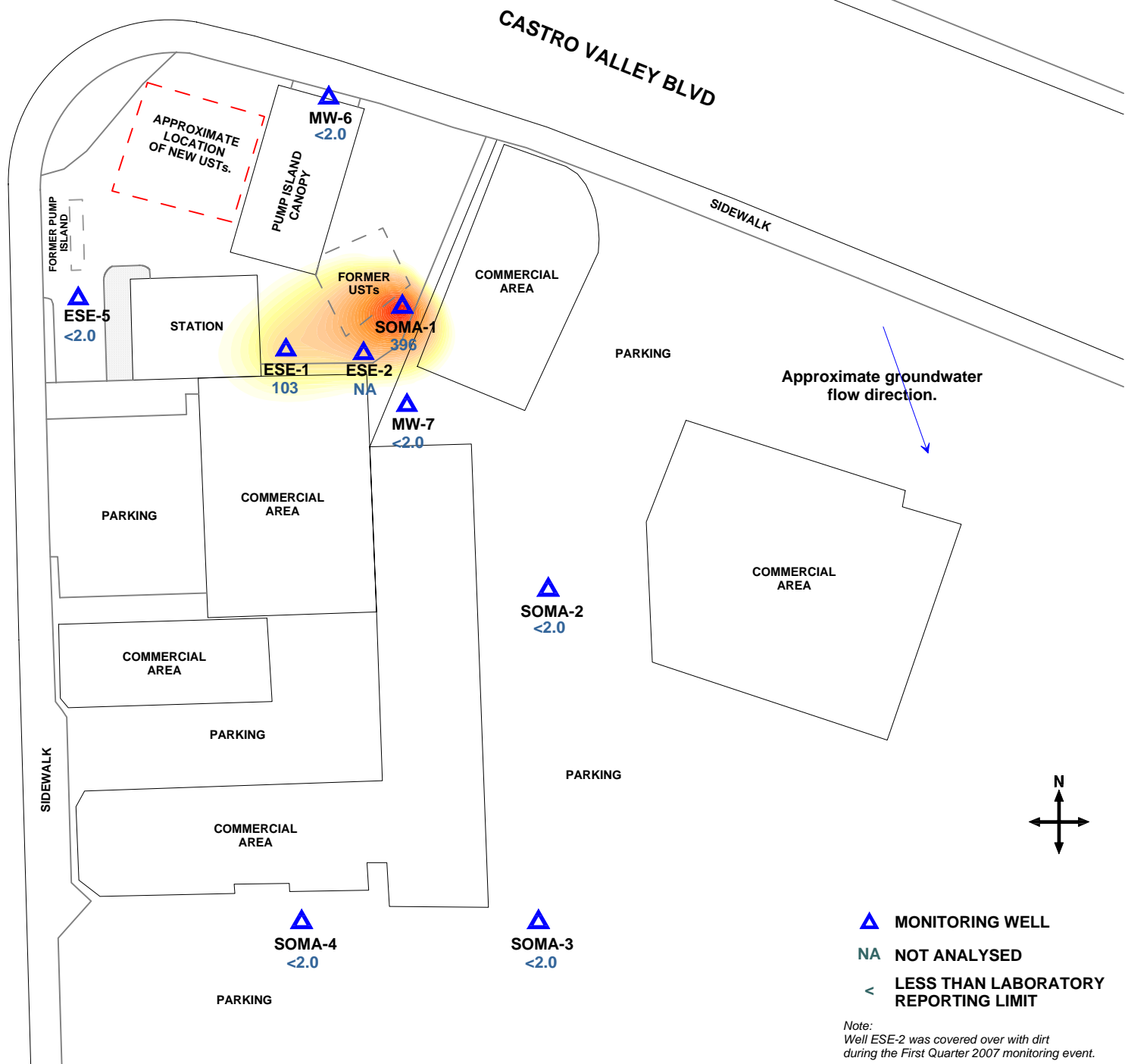
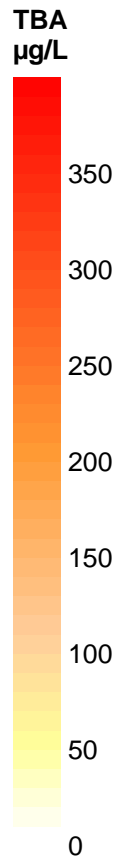


Figure 5: Contour map of MtBE concentrations in groundwater (EPA Method 8260B).
January 12, 2007.





- MONITORING WELL
- NOT ANALYSED
- LESS THAN LABORATORY REPORTING LIMIT

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

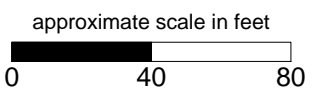


Figure 6: Contour map of TBA concentrations in groundwater. January 12, 2007.



APPENDIX A

SOMA's Groundwater Monitoring Procedures

Field Activities

On January 12, 2007, a total of four on-site monitoring wells (ESE-1, ESE-5, MW-6, and SOMA-1) and four off-site monitoring wells (MW-7, SOMA-2 to SOMA-4) were measured for depth to groundwater. On January 12, 2007, additional field measurements and grab groundwater samples were collected from all of the monitoring wells. Well ESE-2 was covered with dirt and was inaccessible during this monitoring event. Figure 2 illustrates the locations of the wells.

This monitoring event was conducted in accordance with the procedures and guidelines of the California Regional Water Quality Control Board and the procedures and guidelines of the Alameda County Health Care Services.

Prior to measuring the groundwater depth at each well, equalization with the surrounding aquifer was achieved. The well cap was removed from each well, and the pressure in each well was then allowed to dissipate. This allowed for a more stable water table level within the well. After a few minutes, and once the water level in the well stabilized, the depth to groundwater in each monitoring well was measured from the top of the casing to the nearest 0.01 foot using an electric sounder.

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

Prior to the collection of samples, each well was purged using a battery operated 2-inch diameter pump (Model ES-60 DC). In order to ensure that the final samples were in equilibrium with (and representative of) the surrounding groundwater, during purging, several samples were taken for field measurements of pH, temperature and EC. The field parameters were measured using a Hanna pH, conductivity, and temperature meter. The equipment was calibrated at the Site using standard solutions and procedures provided by the manufacturer.

Appendix B details the field measurements taken during the monitoring event.

The purging of the wells continued until the parameters for pH, temperature and EC stabilized or three casing volumes were purged. A disposable polyethylene bailer was used to collect sufficient samples from each well for laboratory analyses. The groundwater sample was transferred to three 40-mL VOA vials and preserved with hydrochloric acid. The vials were then sealed to prevent the development of air bubbles within the headspace.

After the groundwater samples were collected, they were placed into an ice-filled cooler. A chain of custody (COC) form was written for all of the samples and was submitted to the laboratory along with the groundwater samples. On January 12, 2007, SOMA's field crew delivered the groundwater samples to Pacific Analytical Laboratory in Alameda, California.

Laboratory Analysis

Pacific Analytical Laboratory, a state certified laboratory, analyzed the groundwater samples for TPH-g, BTEX, MtBE, gasoline oxygenates, and lead scavengers. Samples for TPH-g, BTEX, MtBE, gasoline oxygenates, and lead scavengers measurements were prepared using EPA Method 5030B and analyzed using Method EPA 8260B.

Appendix B

Table of Elevations & Coordinates on Monitoring Wells
Measured by Kier Wright Civil Engineers Surveyors, Inc.

&

Field Measurements of Physical and Chemical
Properties of the Groundwater Samples Collected
During the First Quarter 2007

**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

DATE: 6/21/04
JOB# A0459

**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

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

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



Well No.: EIE-1
 Casing Diameter: 2 inches
 Depth of Well: 28.00 feet
 Top of Casing Elevation: 180.24 feet
 Depth to Groundwater: 9.84 feet
 Groundwater Elevation: 170.40 feet
 Water Column Height: 18.16 feet
 Purged Volume: 8 gallons

Project No.: 2761
 Address: 3519 Castro Valley Blvd
 Castro Valley, CA
 Date: January 12, 2007
 Sampler: Tony Perini
 Brian Tims

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)
138 PM	5	6.87	17.40	764
140 PM	2	6.88	17.60	768
141 PM	5	6.86	17.50	783
145 PM	5			
148 PM	sampled			



ENVIRONMENTAL ENGINEERING, INC

Well No.: ESE-5
 Casing Diameter: 2 inches
 Depth of Well: 23.80 feet
 Top of Casing Elevation: 178.80 feet
 Depth to Groundwater: 7.41 feet
 Groundwater Elevation: 171.39 feet
 Water Column Height: 16.39 feet
 Purged Volume: 8 gallons

Project No.: 2761
 Address: 3519 Castro Valley Blvd
 Castro Valley, CA
 Date: January 12, 2007
 Sampler: Tony Perini
 Brian Tims

Purging Method: Bailer Pump
 Sampling Method: Bailer Pump

Color: No Yes Describe: _____
 Sheen: No Yes Describe: _____
 Odor: No Yes Describe: slight petro odor

Field Measurements:

Time	Vol (gallons)	pH	Temp (°C)	E.C. (µs/cm)
1228 PM	1 tanked purged well			
1230 PM	2	6.96	19.50	880
1233 PM	5	6.93	19.30	829
1236 PM	8	6.96	19.30	835
1246 PM	Sampled			



ENVIRONMENTAL ENGINEERING, INC

Well No.: MW-6
 Casing Diameter: 2 inches
 Depth of Well: 30.00 feet
 Top of Casing Elevation: 181.80 feet
 Depth to Groundwater: 10.13 feet
 Groundwater Elevation: 171.67 feet
 Water Column Height: 19.87 feet
 Purged Volume: 9 gallons

Project No.: 2761
 Address: 3519 Castro Valley Blvd
 Castro Valley, CA
 Date: January 12, 2007
 Sampler: Tony Perini
 Brian Tims

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)
1249 PM	started purging well			
1251 PM	2	6.83	15.30	603
1254 PM	5	6.87	18.40	615
1258 PM	4	6.88	18.36	618
1 PM	sampled			



ENVIRONMENTAL ENGINEERING, INC

Well No.: MW-7
 Casing Diameter: 2 inches
 Depth of Well: 29.35 feet
 Top of Casing Elevation: 179.11 feet
 Depth to Groundwater: 591 feet
 Groundwater Elevation: 170.20 feet
 Water Column Height: 20.44 feet
 Purged Volume: 12 gallons

Project No.: 2761
 Address: 3519 Castro Valley Blvd
 Castro Valley, CA
 Date: January 12, 2007
 Sampler: Tony Perini
 Brian Tims

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)
1050 AM	Started purging well			
1053 AM	3	7.20	16.00	589
1056 AM	6	7.38	18.00	590
1059 AM	9	7.05	18.00	593
1102 AM	12	7.05	18.30	603
1105 AM	sampled			



ENVIRONMENTAL ENGINEERING, INC

Well No.: SOMA-1
 Casing Diameter: 2 inches
 Depth of Well: 29.74 feet
 Top of Casing Elevation: 180.95 feet
 Depth to Groundwater: 10.38 feet
 Groundwater Elevation: 170.57 feet
 Water Column Height: 19.36 feet
 Purged Volume: 9 gallons

Project No.: 2761
 Address: 3519 Castro Valley Blvd
 Castro Valley, CA
 Date: January 12, 2007
 Sampler: Tony Perini
 Brian Tims

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)
112 PM	Started purging well			
114 PM	2	6.90	16.70	655
117 PM	5	6.86	18.10	697
121 PM	9	6.86	15.20	700
125 PM	Completed			



Well No.: SOMA-2
 Casing Diameter: 2 inches
 Depth of Well: 17.70 feet
 Top of Casing Elevation: 178.99 feet
 Depth to Groundwater: 16.26 feet
 Groundwater Elevation: 168.73 feet
 Water Column Height: 4.44 feet
 Purged Volume: 4 gallons

Project No.: 2761
 Address: 3519 Castro Valley Blvd
 Castro Valley, CA
 Date: January 12, 2007
 Sampler: Tony Perini
 Brian Tims

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)
1032 AM	stanked purging well			
1034 AM	2	7.87	18.90	598
1036 AM	4	7.55	18.30	570
1040 AM	sampled			



ENVIRONMENTAL ENGINEERING, INC

Well No.: 10M11-3
 Casing Diameter: 2 inches
 Depth of Well: 14.76 feet
 Top of Casing Elevation: 176.81 feet
 Depth to Groundwater: 9.73 feet
 Groundwater Elevation: 167.08 feet
 Water Column Height: 4.97 feet
 Purged Volume: 4 gallons

Project No.: 2761
 Address: 3519 Castro Valley Blvd
 Castro Valley, CA
 Date: January 12, 2007
 Sampler: Tony Perini
 Brian Tims

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)
1013 AM	started purging well			
1015 AM	2	7.20	15.70	543
1017 AM	4	7.21	15.80	533
1022 AM	- sampler			



ENVIRONMENTAL ENGINEERING, INC

Well No.: Samp-4
 Casing Diameter: 2 inches
 Depth of Well: 72.65 feet
 Top of Casing Elevation: 176.94 feet
 Depth to Groundwater: 5.98 feet
 Groundwater Elevation: 167.96 feet
 Water Column Height: 13.67 feet
 Purged Volume: 8 gallons

Project No.: 2761
 Address: 3519 Castro Valley Blvd
 Castro Valley, CA
 Date: January 12, 2007
 Sampler: Tony Perini
 Brian Tims

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)
955 AM	Started purging well			
957 AM	2	7.08	16.20	842
959 AM	4	7.08	18.90	720
1002 AM	8	7.08	18.40	718
1005 AM	- samples			

Appendix C

Chain of Custody Form and Laboratory Report
for the
First Quarter 2007 monitoring event

CHAIN OF CUSTODY

Pacific Analytical Laboratory

851 West Midway Ave., Suite 201B
Alameda, CA 94501
510-864-0364 phone
510-864-0365 fax

PAL LOGIN # 7010004

Analyses

Sampler: Tony Perini / Brian Trms

Project No: 2761

Report To: Tony Perini

Project Name: 3519 Castro Valley Blvd, Castro Valley Company: SOMA Environmental

Turnaround Time: Standard

Telephone: 925-734-6400

Fax: 925-734-6401

Lab No.	Sample ID.	Sampling Date Time	Matrix			# of Containers	Preservative			
			Soil	Water	Waste		HCL	H ₂ SO ₄	HNO ₃	ICE
	ESE-1	11/2/07 1:48 PM	X			3 VOAS	X			X
	ESE-2		X			3 VOAS	X			X
	ESE-5	11/2/07 12:40 PM	X			3 VOAS	X			X
	MW-6	1 PM	X			3 VOAS	X			X
	MW-7	11:05 AM	X			3 VOAS	X			X
	SOMA-1	1:25 PM	X			3 VOAS	X			X
	SOMA-2	10:40 AM	X			3 VOAS	X			X
	SOMA-3	10:20 AM	X			3 VOAS	X			X
	SOMA-4	10:05 AM	X			3 VOAS	X			X

TPHg, BTEX, MtBE 8260B	GASoline Oxygenates, Lead Scavengers 8260B	Ethanol																	
X	X	X																	
X	X	X																	
X	X	X																	
X	X	X																	
X	X	X																	
X	X	X																	
X	X	X																	
X	X	X																	

Notes: **EDF OUTPUT REQUIRED**
Gasoline Oxygenates: DIPE, ETBE, TAME, TBA
Lead Savengers: EDB, 1,2-DCA

RELINQUISHED BY:	RECEIVED BY:
<u>Tony Perini</u> 11/2/07 2:45 PM DATE/TIME	<u>Jose Zúñiga</u> 11/2/07 2:45 PM DATE/TIME
DATE/TIME	DATE/TIME
DATE/TIME	DATE/TIME

25 January 2007

Mansour Sepehr
SOMA Environmental Engineering Inc.
6620 Owens Drive, Suite A
Pleasanton, CA 94588

RE: 3519 Castro Valley Blvd

Work Order Number: 7010004

This Laboratory report has been reviewed for technical correctness and completeness. This entire report was reviewed and approved by the Laboratory Director or the Director's designee, as verified by the following signature.

Sincerely,



Maiid Akhavan
Laboratory Director



SOMA Environmental Engineering Inc.
6620 Owens Drive, Suite A
Pleasanton CA, 94588

Project: 3519 Castro Valley Blvd
Project Number: 2761
Project Manager: Mansour Sepehr

Reported:
25-Jan-07 15:22

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
ESE-1	7010004-01	Water	12-Jan-07 13:48	12-Jan-07 14:53
ESE-5	7010004-02	Water	12-Jan-07 12:40	12-Jan-07 14:53
MW-6	7010004-03	Water	12-Jan-07 13:00	12-Jan-07 14:53
MW-7	7010004-04	Water	12-Jan-07 11:05	12-Jan-07 14:53
SOMA-1	7010004-05	Water	12-Jan-07 13:25	12-Jan-07 14:53
SOMA-2	7010004-06	Water	12-Jan-07 10:40	12-Jan-07 14:53
SOMA-3	7010004-07	Water	12-Jan-07 10:20	12-Jan-07 14:53
SOMA-4	7010004-08	Water	12-Jan-07 10:05	12-Jan-07 14:53



SOMA Environmental Engineering Inc.
 6620 Owens Drive, Suite A
 Pleasanton CA, 94588

Project: 3519 Castro Valley Blvd
 Project Number: 2761
 Project Manager: Mansour Sepehr

Reported:
 25-Jan-07 15:22

Volatile Organic Compounds by EPA Method 8260B
Pacific Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
ESE-1 (7010004-01RE1) Water Sampled: 12-Jan-07 13:48 Received: 12-Jan-07 14:53									
Gasoline (C6-C12)	561	50.0	ug/l	1	BA71601	12-Jan-07	16-Jan-07	EPA 8260B	
Benzene	153	0.500	"	"	"	"	"	"	
Ethylbenzene	14.4	0.500	"	"	"	"	"	"	
m&p-Xylene	10.2	2.00	"	"	"	"	"	"	
o-xylene	4.75	0.500	"	"	"	"	"	"	
Toluene	7.18	2.00	"	"	"	"	"	"	
MTBE	30.9	0.500	"	"	"	"	"	"	
DIPE	ND	0.500	"	"	"	"	"	"	
ETBE	ND	0.500	"	"	"	"	"	"	
TAME	ND	2.00	"	"	"	"	"	"	
TBA	103	2.00	"	"	"	"	"	"	
1,2-dichloroethane	ND	0.500	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.500	"	"	"	"	"	"	
Ethanol	ND	1000	"	"	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		99.6 %		70-130	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		98.8 %		70-130	"	"	"	"	
<i>Surrogate: Perdeuterotoluene</i>		101 %		70-130	"	"	"	"	
ESE-5 (7010004-02) Water Sampled: 12-Jan-07 12:40 Received: 12-Jan-07 14:53									
Gasoline (C6-C12)	868	50.0	ug/l	1	BA71601	12-Jan-07	12-Jan-07	EPA 8260B	
Benzene	2.18	0.500	"	"	"	"	"	"	
Ethylbenzene	2.66	0.500	"	"	"	"	"	"	
m&p-Xylene	ND	2.00	"	"	"	"	"	"	
o-xylene	ND	0.500	"	"	"	"	"	"	
Toluene	ND	2.00	"	"	"	"	"	"	
MTBE	16.3	0.500	"	"	"	"	"	"	
DIPE	ND	0.500	"	"	"	"	"	"	
ETBE	ND	0.500	"	"	"	"	"	"	
TAME	ND	2.00	"	"	"	"	"	"	
TBA	ND	2.00	"	"	"	"	"	"	
1,2-dichloroethane	ND	0.500	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.500	"	"	"	"	"	"	
Ethanol	ND	1000	"	"	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		109 %		70-130	"	"	"	"	

Pacific Analytical Laboratory

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



SOMA Environmental Engineering Inc.
6620 Owens Drive, Suite A
Pleasanton CA, 94588

Project: 3519 Castro Valley Blvd
Project Number: 2761
Project Manager: Mansour Sepehr

Reported:
25-Jan-07 15:22

Volatile Organic Compounds by EPA Method 8260B

Pacific Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
ESE-5 (701004-02) Water Sampled: 12-Jan-07 12:40 Received: 12-Jan-07 14:53									
Surrogate: Dibromofluoromethane		104 %	70-130		BA71601	12-Jan-07	12-Jan-07	EPA 8260B	
Surrogate: Perdeuterotoluene		105 %	70-130		"	"	"	"	
MW-6 (701004-03) Water Sampled: 12-Jan-07 13:00 Received: 12-Jan-07 14:53									
Gasoline (C6-C12)	ND	50.0	ug/l	1	BA71601	12-Jan-07	12-Jan-07	EPA 8260B	
Benzene	ND	0.500	"	"	"	"	"	"	
Ethylbenzene	ND	0.500	"	"	"	"	"	"	
m&p-Xylene	ND	2.00	"	"	"	"	"	"	
o-xylene	ND	0.500	"	"	"	"	"	"	
Toluene	ND	2.00	"	"	"	"	"	"	
MTBE	ND	0.500	"	"	"	"	"	"	
DIPE	ND	0.500	"	"	"	"	"	"	
ETBE	ND	0.500	"	"	"	"	"	"	
TAME	ND	2.00	"	"	"	"	"	"	
TBA	ND	2.00	"	"	"	"	"	"	
1,2-dichloroethane	ND	0.500	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.500	"	"	"	"	"	"	
Ethanol	ND	1000	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		94.0 %	70-130		"	"	"	"	
Surrogate: Dibromofluoromethane		109 %	70-130		"	"	"	"	
Surrogate: Perdeuterotoluene		100 %	70-130		"	"	"	"	
MW-7 (701004-04) Water Sampled: 12-Jan-07 11:05 Received: 12-Jan-07 14:53									
Gasoline (C6-C12)	ND	50.0	ug/l	1	BA71601	12-Jan-07	12-Jan-07	EPA 8260B	
Benzene	ND	0.500	"	"	"	"	"	"	
Ethylbenzene	ND	0.500	"	"	"	"	"	"	
m&p-Xylene	ND	2.00	"	"	"	"	"	"	
o-xylene	ND	0.500	"	"	"	"	"	"	
Toluene	ND	2.00	"	"	"	"	"	"	
MTBE	38.0	0.500	"	"	"	"	"	"	
DIPE	ND	0.500	"	"	"	"	"	"	
ETBE	ND	0.500	"	"	"	"	"	"	
TAME	ND	2.00	"	"	"	"	"	"	
TBA	ND	2.00	"	"	"	"	"	"	
1,2-dichloroethane	ND	0.500	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.500	"	"	"	"	"	"	
Ethanol	ND	1000	"	"	"	"	"	"	

Pacific Analytical Laboratory

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SOMA Environmental Engineering Inc.
6620 Owens Drive, Suite A
Pleasanton CA, 94588

Project: 3519 Castro Valley Blvd
Project Number: 2761
Project Manager: Mansour Sepehr

Reported:
25-Jan-07 15:22

Volatile Organic Compounds by EPA Method 8260B

Pacific Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-7 (7010004-04) Water Sampled: 12-Jan-07 11:05 Received: 12-Jan-07 14:53									
Surrogate: 4-Bromofluorobenzene		94.0 %	70-130		BA71601	12-Jan-07	12-Jan-07	EPA 8260B	
Surrogate: Dibromofluoromethane		109 %	70-130		"	"	"	"	
Surrogate: Perdeuterotoluene		99.0 %	70-130		"	"	"	"	
SOMA-1 (7010004-05) Water Sampled: 12-Jan-07 13:25 Received: 12-Jan-07 14:53									
Gasoline (C6-C12)	ND	50.0	ug/l	1	BA71601	12-Jan-07	12-Jan-07	EPA 8260B	
Benzene	ND	0.500	"	"	"	"	"	"	
Ethylbenzene	ND	0.500	"	"	"	"	"	"	
m&p-Xylene	ND	2.00	"	"	"	"	"	"	
o-xylene	ND	0.500	"	"	"	"	"	"	
Toluene	ND	2.00	"	"	"	"	"	"	
MTBE	68.7	0.500	"	"	"	"	"	"	
DIPE	ND	0.500	"	"	"	"	"	"	
ETBE	ND	0.500	"	"	"	"	"	"	
TAME	ND	2.00	"	"	"	"	"	"	
TBA	396	2.00	"	"	"	"	"	"	
1,2-dichloroethane	ND	0.500	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.500	"	"	"	"	"	"	
Ethanol	ND	1000	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		90.2 %	70-130		"	"	"	"	
Surrogate: Dibromofluoromethane		112 %	70-130		"	"	"	"	
Surrogate: Perdeuterotoluene		98.8 %	70-130		"	"	"	"	
SOMA-2 (7010004-06) Water Sampled: 12-Jan-07 10:40 Received: 12-Jan-07 14:53									
Gasoline (C6-C12)	ND	50.0	ug/l	1	BA71601	12-Jan-07	12-Jan-07	EPA 8260B	
Benzene	ND	0.500	"	"	"	"	"	"	
Ethylbenzene	ND	0.500	"	"	"	"	"	"	
m&p-Xylene	ND	2.00	"	"	"	"	"	"	
o-xylene	ND	0.500	"	"	"	"	"	"	
Toluene	ND	2.00	"	"	"	"	"	"	
MTBE	ND	0.500	"	"	"	"	"	"	
DIPE	ND	0.500	"	"	"	"	"	"	
ETBE	ND	0.500	"	"	"	"	"	"	
TAME	ND	2.00	"	"	"	"	"	"	
TBA	ND	2.00	"	"	"	"	"	"	
1,2-dichloroethane	ND	0.500	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.500	"	"	"	"	"	"	

Pacific Analytical Laboratory

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



SOMA Environmental Engineering Inc.
6620 Owens Drive, Suite A
Pleasanton CA, 94588

Project: 3519 Castro Valley Blvd
Project Number: 2761
Project Manager: Mansour Sepehr

Reported:
25-Jan-07 15:22

Volatile Organic Compounds by EPA Method 8260B

Pacific Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SOMA-2 (7010004-06) Water Sampled: 12-Jan-07 10:40 Received: 12-Jan-07 14:53									
Ethanol	ND	1000	ug/l	1	BA71601	12-Jan-07	12-Jan-07	EPA 8260B	
<i>Surrogate: 4-Bromofluorobenzene</i>		88.8 %	70-130		"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		114 %	70-130		"	"	"	"	
<i>Surrogate: Perdeuterotoluene</i>		97.4 %	70-130		"	"	"	"	
SOMA-3 (7010004-07) Water Sampled: 12-Jan-07 10:20 Received: 12-Jan-07 14:53									
Gasoline (C6-C12)	ND	50.0	ug/l	1	BA71601	12-Jan-07	12-Jan-07	EPA 8260B	
Benzene	ND	0.500	"	"	"	"	"	"	
Ethylbenzene	ND	0.500	"	"	"	"	"	"	
m&p-Xylene	ND	2.00	"	"	"	"	"	"	
o-xylene	ND	0.500	"	"	"	"	"	"	
Toluene	ND	2.00	"	"	"	"	"	"	
MTBE	20.9	0.500	"	"	"	"	"	"	
DIPE	ND	0.500	"	"	"	"	"	"	
ETBE	ND	0.500	"	"	"	"	"	"	
TAME	ND	2.00	"	"	"	"	"	"	
TBA	ND	2.00	"	"	"	"	"	"	
1,2-dichloroethane	ND	0.500	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.500	"	"	"	"	"	"	
Ethanol	ND	1000	"	"	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		89.4 %	70-130		"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		118 %	70-130		"	"	"	"	
<i>Surrogate: Perdeuterotoluene</i>		97.4 %	70-130		"	"	"	"	
SOMA-4 (7010004-08) Water Sampled: 12-Jan-07 10:05 Received: 12-Jan-07 14:53									
Gasoline (C6-C12)	ND	50.0	ug/l	1	BA71601	12-Jan-07	12-Jan-07	EPA 8260B	
Benzene	ND	0.500	"	"	"	"	"	"	
Ethylbenzene	ND	0.500	"	"	"	"	"	"	
m&p-Xylene	ND	2.00	"	"	"	"	"	"	
o-xylene	ND	0.500	"	"	"	"	"	"	
Toluene	ND	2.00	"	"	"	"	"	"	
MTBE	20.4	0.500	"	"	"	"	"	"	
DIPE	ND	0.500	"	"	"	"	"	"	
ETBE	ND	0.500	"	"	"	"	"	"	
TAME	ND	2.00	"	"	"	"	"	"	
TBA	ND	2.00	"	"	"	"	"	"	
1,2-dichloroethane	ND	0.500	"	"	"	"	"	"	

Pacific Analytical Laboratory

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



SOMA Environmental Engineering Inc. 6620 Owens Drive, Suite A Pleasanton CA, 94588	Project: 3519 Castro Valley Blvd Project Number: 2761 Project Manager: Mansour Sepehr	Reported: 25-Jan-07 15:22
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Volatile Organic Compounds by EPA Method 8260B

Pacific Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SOMA-4 (7010004-08) Water Sampled: 12-Jan-07 10:05 Received: 12-Jan-07 14:53									
1,2-Dibromoethane (EDB)	ND	0.500	ug/l	1	BA71601	12-Jan-07	12-Jan-07	EPA 8260B	
Ethanol	ND	1000	"	"	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		<i>90.0 %</i>	<i>70-130</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	
<i>Surrogate: Dibromofluoromethane</i>		<i>117 %</i>	<i>70-130</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	
<i>Surrogate: Perdeuterotoluene</i>		<i>99.4 %</i>	<i>70-130</i>		<i>"</i>	<i>"</i>	<i>"</i>	<i>"</i>	



SOMA Environmental Engineering Inc.
6620 Owens Drive, Suite A
Pleasanton CA, 94588

Project: 3519 Castro Valley Blvd
Project Number: 2761
Project Manager: Mansour Sepehr

Reported:
25-Jan-07 15:22

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Pacific Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch BA71601 - EPA 5030 Water MS

Blank (BA71601-BLK1)

Prepared & Analyzed: 16-Jan-07

Surrogate: 4-Bromofluorobenzene	46.0		ug/l	50.0		92.0	70-130			
Surrogate: Dibromofluoromethane	55.2		"	50.0		110	70-130			
Surrogate: Perdeuterotoluene	48.7		"	50.0		97.4	70-130			
MTBE	ND	0.500	"							
DIPE	ND	0.500	"							
ETBE	ND	0.500	"							
TAME	ND	2.00	"							
Gasoline (C6-C12)	ND	50.0	"							
TBA	ND	2.00	"							
1,2-dichloroethane	ND	0.500	"							
1,2-Dibromoethane (EDB)	ND	0.500	"							
Ethanol	ND	1000	"							
Benzene	ND	0.500	"							
Ethylbenzene	ND	0.500	"							
m&p-Xylene	ND	2.00	"							
o-xylene	ND	0.500	"							
Toluene	ND	2.00	"							

LCS (BA71601-BS1)

Prepared & Analyzed: 16-Jan-07

Surrogate: 4-Bromofluorobenzene	49.7		ug/l	50.0		99.4	70-130			
Surrogate: Dibromofluoromethane	48.1		"	50.0		96.2	70-130			
Surrogate: Perdeuterotoluene	50.9		"	50.0		102	70-130			
MTBE	94.0	0.500	"	100		94.0	70-130			
ETBE	83.0	0.500	"	100		83.0	70-130			
TAME	88.1	2.00	"	100		88.1	70-130			
Gasoline (C6-C12)	2070	50.0	"	2000		104	70-130			
TBA	564	2.00	"	500		113	70-130			
Benzene	94.1	0.500	"	100		94.1	70-130			
Toluene	96.9	2.00	"	100		96.9	70-130			



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 6620 Owens Drive, Suite A
 Pleasanton CA, 94588

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 Project Manager: Mansour Sepehr

Reported:
 25-Jan-07 15:22

Volatile Organic Compounds by EPA Method 8260B - Quality Control
Pacific Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch BA71601 - EPA 5030 Water MS

LCS Dup (BA71601-BSD1)

Prepared & Analyzed: 16-Jan-07

Surrogate: 4-Bromofluorobenzene	50.1		ug/l	50.0		100	70-130			
Surrogate: Dibromofluoromethane	49.8		"	50.0		99.6	70-130			
Surrogate: Perdeuterotoluene	50.3		"	50.0		101	70-130			
MTBE	106	0.500	"	100		106	70-130	12.0	20	
ETBE	83.5	0.500	"	100		83.5	70-130	0.601	20	
TAME	89.5	2.00	"	100		89.5	70-130	1.58	20	
TBA	527	2.00	"	500		105	70-130	6.78	20	
Gasoline (C6-C12)	1970	50.0	"	2000		98.5	70-130	4.95	20	
Benzene	95.8	0.500	"	100		95.8	70-130	1.79	20	
Toluene	96.9	2.00	"	100		96.9	70-130	0.00	20	



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Pleasanton CA, 94588

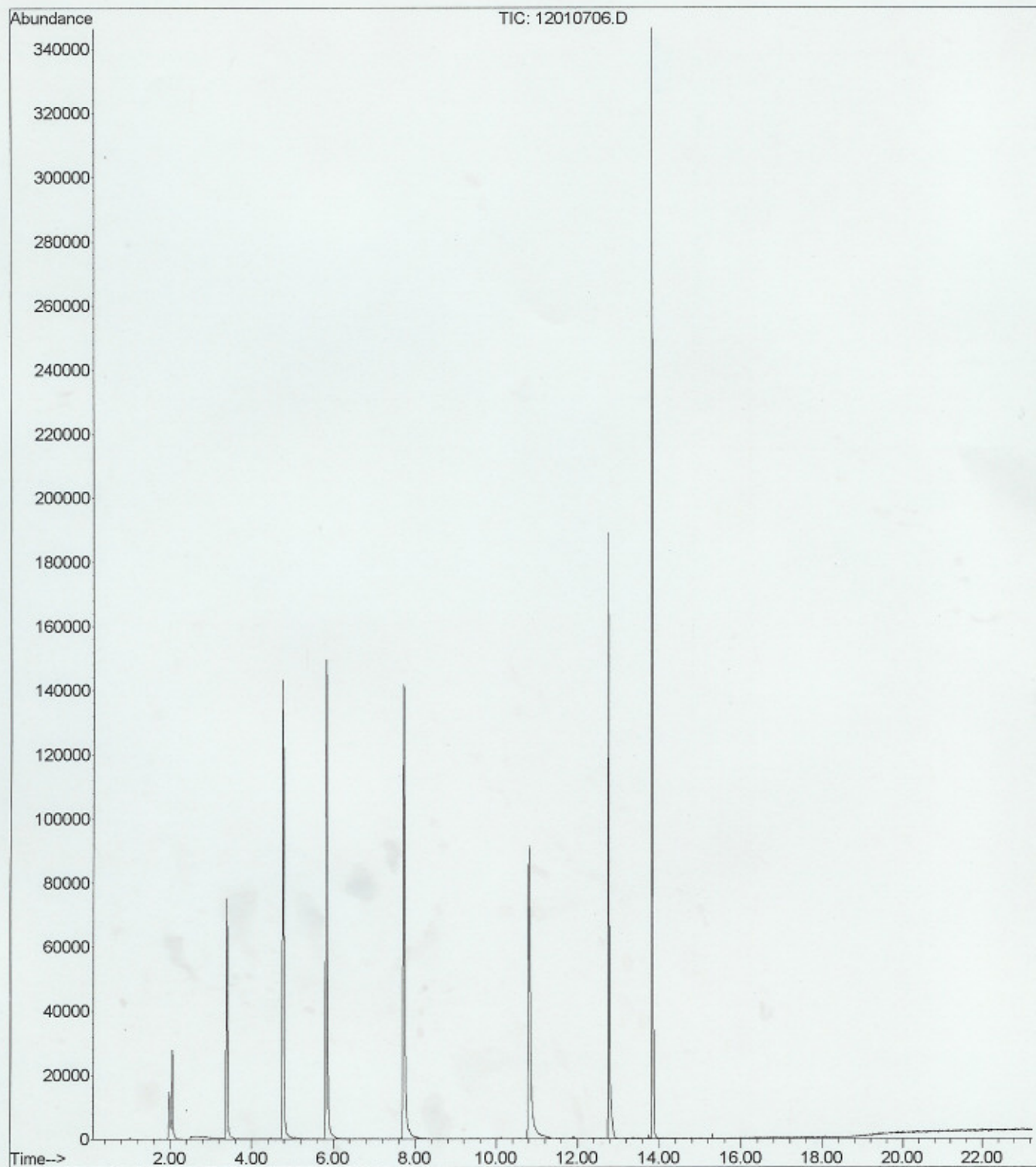
Project: 3519 Castro Valley Blvd
Project Number: 2761
Project Manager: Mansour Sepehr

Reported:
25-Jan-07 15:22

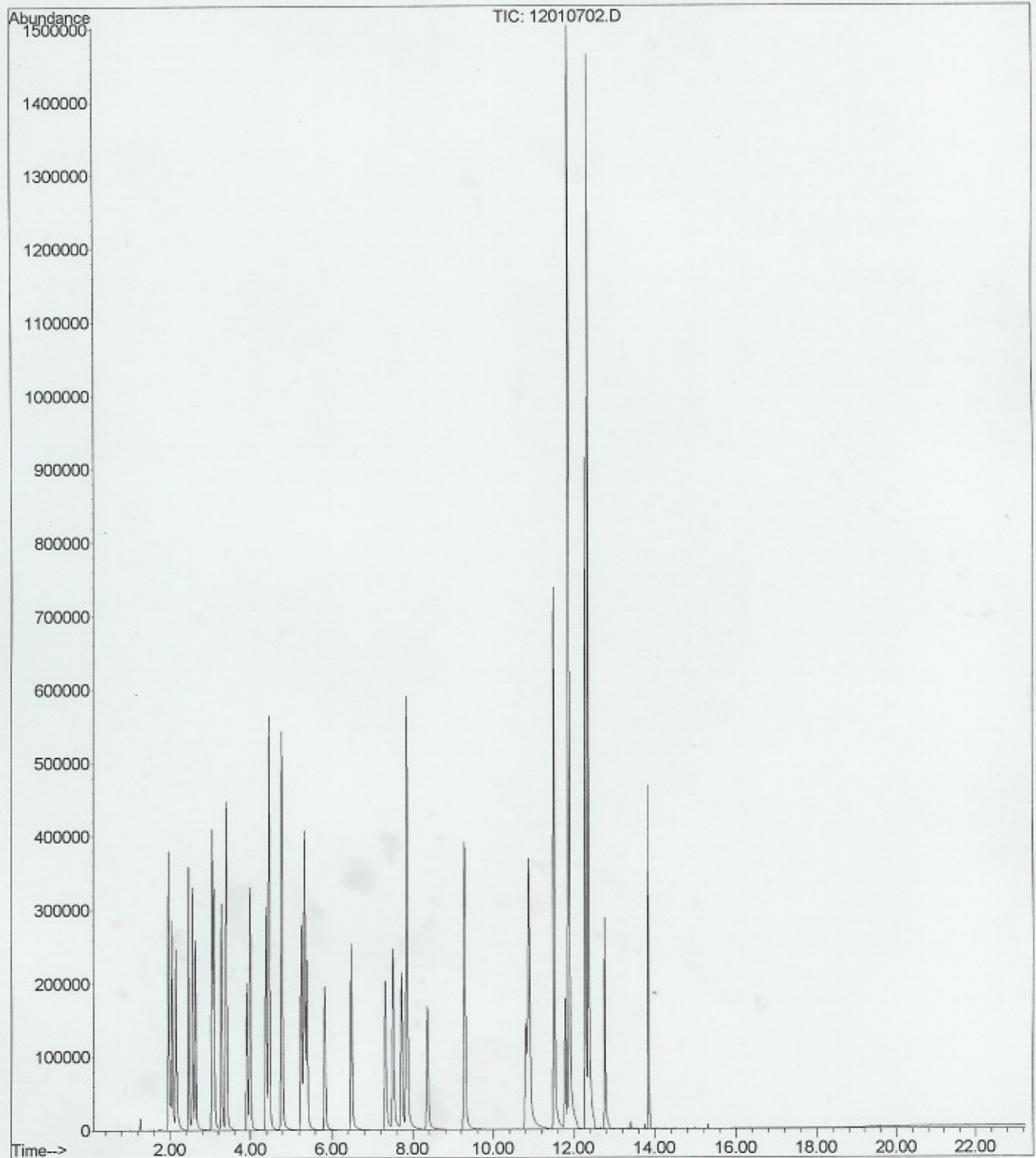
Notes and Definitions

DET Analyte DETECTED
ND Analyte NOT DETECTED at or above the reporting limit
NR Not Reported
dry Sample results reported on a dry weight basis
RPD Relative Percent Difference

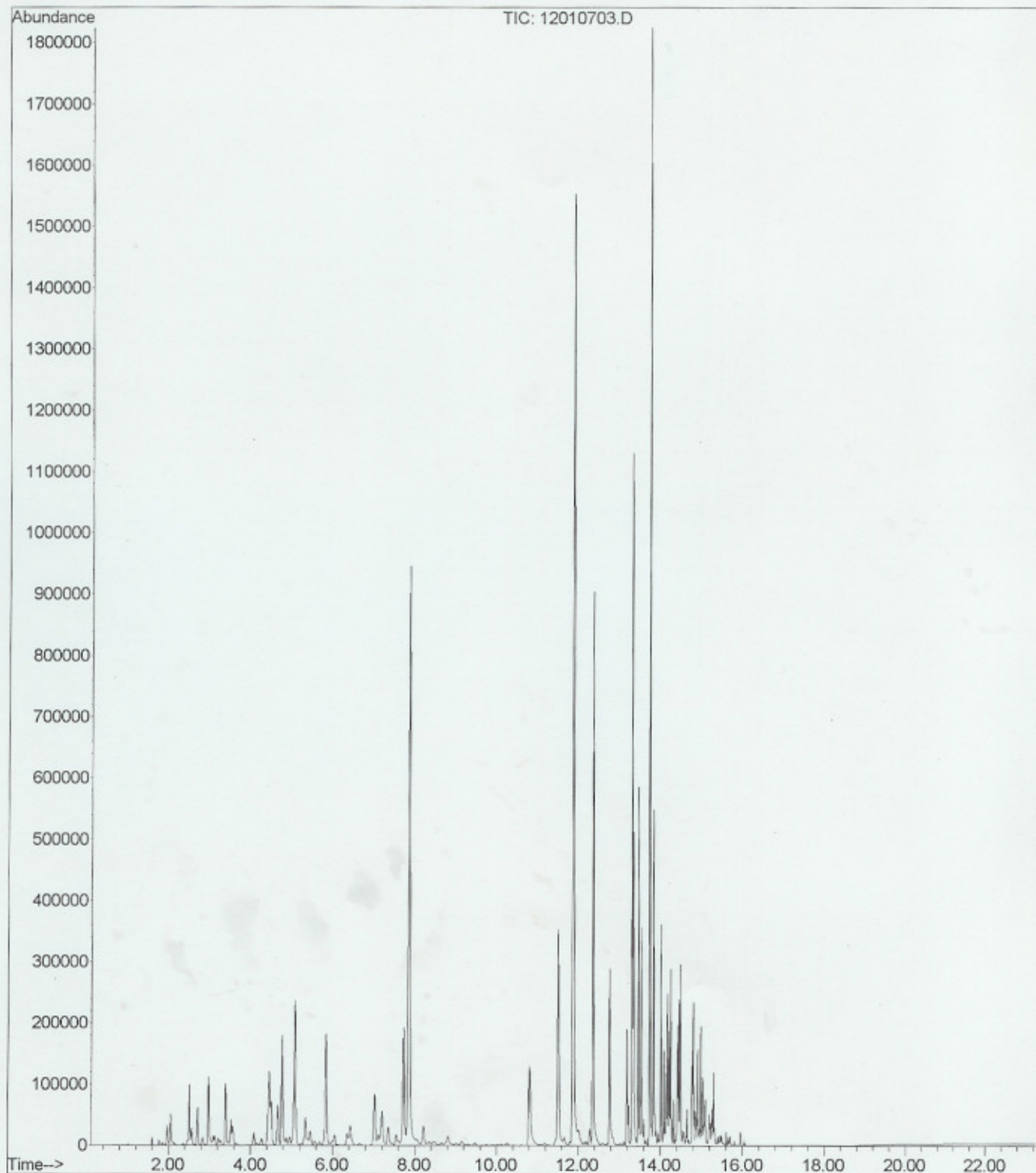
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Operator :
Acquired : 12 Jan 2007 1:17 pm using AcqMethod OXY21506.M
Instrument : PAL GCMS
Sample Name: BA71601-BLK1
Misc Info :
Vial Number: 6



File : C:\MSDCHEM\1\DATA\2007-Jan-12-1019.b\12010702.D
Operator :
Acquired : 12 Jan 2007 11:13 am using AcqMethod OXY21506.M
Instrument : PAL GCMS
Sample Name: BA71601-BS1@voc
Misc Info :
Vial Number: 2



File :C:\MSDCHEM\1\DATA\2007-Jan-12-1019.b\12010703.D
Operator :
Acquired : 12 Jan 2007 11:45 am using AcqMethod OXY21506.M
Instrument : PAL GCMS
Sample Name: BA71601-BS1@gas
Misc Info :
Vial Number: 3



Appendix D

Non-Hazardous Waste Manifest for Groundwater Removal

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number CAL000182251	2. Page 1 of 1	3. Emergency Response Phone NRCS(510)748-1380	4. Waste Tracking Number 26699	
5. Generator's Name and Mailing Address AZIM SHAKOORI AZIM SHAKOORI 3619 CASTRO VALLEY BLVD. CASTRO VALLEY CA 94546 Generator's Phone: 510 688-0579					
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 SIEMENS WATER TECHNOLOGY CORP. 5375 S. BOYLE AVENUE VERNON CA 90058 Facility's Phone: 323 277-1500			U.S. EPA ID Number CAD088030993		
GENERATOR	9a. HM	9b. U.S. DOT Description (Including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No. Type	11. Total Quantity	12. Unit Wt./Vol.
	1	NON-HAZARDOUS WASTE LIQUID (PURGE WATER)	02 DM 0100	0	G
	2				
	3				
	4				
13. Special Handling Instructions and Additional Information 1.340611-40 (A-55) WEAR PROPER PPE JOB#:26695 PO#:					
14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.					
Generator's/Owner's Printed/Typed Name Samp Environmental			Signature <i>[Signature]</i>		Month Day Year 1 22 07
TRANSPORTER	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 Rubens Lopez			Signature <i>[Signature]</i>		Month Day Year 1 22 07
Transporter 2 Printed/Typed Name			Signature		Month Day Year
DESIGNATED FACILITY	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				
	17b. Alternate Facility (or Generator) _____ U.S. EPA ID Number _____				
Facility's Phone: _____					
17c. Signature of Alternate Facility (or Generator) _____ Month Day Year _____					
18. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in item 17a					
Printed/Typed Name			Signature		Month Day Year