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ENVIRONMENTAL ENGINEERING, INC

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March 17, 2006

Mr. Don Hwang
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. Hwang:

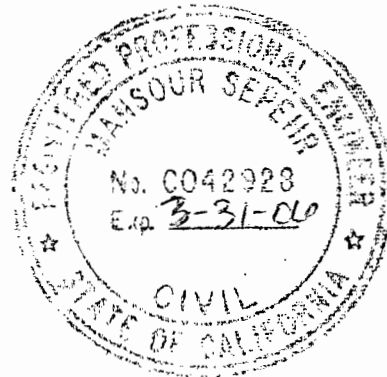
SOMA's "First Quarter 2006 Groundwater Monitoring Report" for the subject property has been uploaded to the State's GeoTracker database and Alameda County's FTP site for your review.

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

Sincerely,

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. Azim Shakoori w/enclosure
Ms. Lynelle Onishi, URS Corporation

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First Quarter 2006
Groundwater Monitoring Report
Castro Valley Gasoline Service Station
3519 Castro Valley Boulevard
Castro Valley, California

March 17, 2006

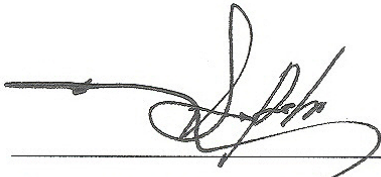
Project 2761

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 2006 groundwater monitoring event.



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



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monitoring event

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 2006 groundwater monitoring event conducted at the Site on February 8, 2006. 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 2,300 ug/L, benzene 370 ug/L, toluene 160 ug/L, ethylbenzene 17 ug/L, and xylenes

110 ug/L. Figure 2 shows the location 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 was decommissioned on the western margin of the Site to accommodate the road-widening project along Redwood Boulevard. Figure 2 shows the location of these wells.

On August 20, 2003, prior to the UST removal activities, SOMA oversaw the drilling of two boreholes by Vironex. The two boreholes were drilled in order to characterize the soil for landfill acceptance criteria. The borehole locations are shown in 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 February 8, 2006 groundwater monitoring event.

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 5.83 feet in well ESE-5 to 11.88 feet in well SOMA-2. The corresponding groundwater elevations ranged from 167.11 feet in well SOMA-2 to 172.97 feet in well ESE-5. 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 0.032 feet/feet.

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 from wells ESE-2, MW-6, MW-7, SOMA-2, and SOMA-3. Detectable TPH-g concentrations ranged from 55.8 ug/L in well SOMA-4 to 2,510 ug/L in well ESE-5. Figure 4 displays the contour map of TPH-g concentrations in the groundwater. The most impacted TPH-g region was in the western section of the Site. The high TPH-g concentration in the western section of the Site may have originated from a former dispenser island.

All BTEX analytes were below the laboratory reporting limit in the groundwater samples collected from wells ESE-2, MW-6, MW-7, SOMA-2, and SOMA-3. In well ESE-5, toluene and total xylenes were below the laboratory reporting limit; benzene and ethylbenzene were detected at low levels. In SOMA-1, toluene was below the laboratory reporting limit; all other BTEX analytes were at low levels. In SOMA-4, all BTEX analytes were below the laboratory reporting limit, with the exception of ethylbenzene; ethylbenzene was detected at 0.85 ug/L. The highest BTEX concentrations were detected in well ESE-1 at 332 ug/L, 13.6 ug/L, 18.1 ug/L, and 25.03 ug/L, respectively. Due to the low or non-detectable levels of benzene throughout the Site, no iso-concentration figure was drawn.

MtBE was below the laboratory reporting limit in well MW-6 and SOMA-2. Detectable MtBE concentrations ranged from 7.16 µg/L in well SOMA-3 to 419 ug/L in well ESE-2. Figure 5 displays the contour map of MtBE concentrations in the groundwater. The higher MtBE concentrations in the southeastern section of the Site, especially in wells SOMA-1 and ESE-2, can be attributed to a possible earlier release in the vicinity of the former UST cavity. The migration of the MtBE plume can be attributed to the south/southeasterly groundwater flow direction and the high solubility of MtBE in groundwater. MtBE has migrated off-site as far as SOMA-4; however, MtBE was only detected at a trace concentration in this southernmost off-site region.

The main gasoline oxygenates and lead scavengers of concern are tert-Butyl-Alcohol (TBA) and Methyl tert-Amyl Ether (TAME). All Isopropyl Ether (DIPE),

Ethyl tertiary Butyl Ether (EtBE), 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. TAME was detected at trace concentrations in well ESE-2 at 11 ug/L, in well MW-7 at 2.19 ug/L, and 3.67 ug/L in well SOMA-1; TAME was below the laboratory reporting limit in the remaining wells. Due to the low or non-detectable levels of TAME throughout the Site, no iso-concentration figure was drawn.

Figure 6 displays the contour map of the TBA concentrations in the groundwater. The TBA plume, with the exception of trace concentrations detected in wells ESE-1 and ESE-2, appears to be centralized around well SOMA-1.

Refer to Tables 1 and 2 for detailed historical concentration trends.

Appendix C displays the laboratory analytical results for each groundwater sample collected during this monitoring event.

3.0 Conclusions & Recommendations

The findings of the First Quarter 2006 groundwater monitoring event can be summarized as follows:

- The groundwater flow direction has remained south to southeasterly across the Site.
- Based on the results of the quarterly monitoring events, a hydrocarbon source may still be present in the western section of the Site, in the vicinity of well ESE-5. In 1996, in the vicinity of well ESE-5, elevated levels of petroleum hydrocarbons were encountered.
- 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 southeastern section of the Site, around wells SOMA-1 and ESE-2. This can be attributed to a possible previous release in the western section of the Site and the south to southeasterly groundwater flow direction across the Site, as well as the locations of these wells to the former UST cavity.
- Due to the high mobility rate of MtBE, this constituent has migrated off-site and was detected at trace concentrations in wells SOMA-3 and SOMA-4. However, all TPH-g, BTEX, and gasoline oxygenates were at non-detectable levels in off-site wells SOMA-2 to SOMA-4, with the exception of a trace ethylbenzene concentration in well SOMA-4. All tested constituents were below the laboratory reporting limit in the northern section of the Site (in well MW-6).

Based on the results of the quarterly monitoring events, SOMA recommends a no further action (NFA) status be adopted by the ACHCS. SOMA further recommends conducting a sensitive receptor survey within a 2,000-foot radius of the Site. Based on the results of this survey, all monitoring wells should be destroyed pursuant to the guidelines of the ACHCS and RWQCB.

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	Oct-92	177.69	11.22	166.47	2100	370	150	17	110	NA
	Oct-92	177.69	NM	NM	2300	370	160	16	110	NA
	Apr-93	177.69	8.79	168.90	5900	1500	410	110	390	NA
	Jun-93	177.69	10.34	167.35	7600	2900	390	130	460	NA
	Sep-93	177.69	10.91	166.78	2000	490	40	20	56	600
	Sep-93	177.69	NM	NM	1500	420	39	19	56	550
	Dec-93	177.69	9.93	167.76	1800	480	42	19	66	921
	Dec-93	177.69	NM	NM	1500	380	38	17	55	770
	Feb-94	177.69	9.64	168.05	1900	380	48	24	80	585
	Feb-94	177.69	NM	NM	2200	430	42	19	65	491
	Aug-94	177.69	11.72	165.97	2100	450	46	16	50	760
	Oct-94	177.69	10.48	167.21	760	240	16	51	39	230
	Jan-95	177.69	7.77	169.92	840	600	120	22	58	NA
	May-95	177.69	8.69	169.00	2000	640	67	24	98	NA
	Jul-95	177.69	10.12	167.57	190	<0.50	<0.50	<0.50	<1.0	NA
	Nov-95	177.69	10.57	167.12	200	3.4	<1.0	1	<2.0	600
	Feb-96	177.69	7.41	170.28	750	370	23	21	64	680
	Apr-96	177.69	9.12	168.57	310	100	<1.0	<1.0	<1.0	1500
	Jul-96	177.69	10.12	167.57	730	230	74	13	63	750
	Oct-96	177.69	10.80	166.89	420	26	1.6	7.3	12	430
	Jan-97	177.69	10.52	167.17	660	290	4.2	13	36	450
	Apr-97	177.69	9.77	167.92	410	<0.5	<1.0	<1.0	<1.0	580
	Jul-97	177.69	10.55	167.14	420	<0.5	<1.0	<1.0	<1.0	370
	Oct-97	177.69	10.36	167.33	300	56	<1.0	6.5	<1.0	220
	Jan-98	177.69	7.52	170.17	4200	440	9	15	17.7	1300
	Apr-98	177.69	8.80	168.89	15000	3400	190	910	900	4900
	Apr-98	177.69	NM	NM	15000	2800	140	730	730	4400
	Jul-98	177.69	9.73	167.96	NA	NA	NA	NA	NA	NA
	Jul-98	177.69	NM	NM	15000	<2.5	<5.0	<5.0	<5.0	15000
	Dec-98	177.69	9.51	168.18	2400	73	1	2.8	4.6	2000

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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.	Mar-99	177.69	8.65	169.04	4700	58	<1.0	<1.0	<1.0	4700
	Jun-99	177.69	10.51	167.18	600	170	<1.0	7.2	5	3900
	Sep-99	177.69	10.32	167.37	920	200	<25	<25	<25	4900
	Dec-99	177.69	10.24	167.45	460	130	1.2	5.2	1.5	5100
	Mar-00	177.69	7.72	169.97	3000	1300	120	80	140	7300
	Jun-00	177.69	9.40	168.29	2900	540	9.7	20	17	5200
	Sep-00	177.69	10.05	167.64	890	3.4	<0.5	1.4	<0.5	2800
	Dec-00	177.69	8.20	169.49	1600	11.1	<0.5	<0.5	<0.5	2730
	Mar-01	177.69	9.75	167.94	5700	2.28	<0.5	0.51	<1.5	6810
	Jun-01	177.69	10.21	167.48	2000	152	0.669	3.62	2.34	1980
	Sep-01	177.69	10.30	167.39	2500	57.1	<5.0	6.25	<15	2090
	Dec-01	177.69	9.82	167.87	2800	208	6.05	8.54	9.66	2030
	Mar-02	177.69	9.10	168.59	1800	140	6.31	4.5	9.41	1970
	Jun-02	177.69	9.92	167.77	1100	220	2.02	4.23	3.8	1280
	Sep-02	177.69	10.21	167.48	490	39	2.9	<2.0	4.9	670
	Dec-02	177.69	8.56	169.13	730	140	6	3.2	9.1	670
	Mar-03	177.69	9.40	168.29	1700	490	21	22	41	530
	Jun-03	177.69	9.86	167.83	1300	140	<10	<10	<10	480
	Dec-03	177.69	9.32	168.37	1400	390	12	14	26.1	260
	Feb-04	177.69	7.71	169.98	3200	880	50	44	89	200
	May-04	177.69	10.19	167.50	1500	370	10	14	25.2	140
	Aug-04	180.24	10.41	169.83	460	390	7	8.1	15.4	110
	Oct-04	180.24	10.40	169.84	1600	490	13	12	25.3	110
	Jan-05	180.24	8.26	171.98	790 Z	420	26	19	52	91
	Apr-05	180.24	8.77	171.47	3020	766	25.6	21.3	25.26	88.2
	Jul-05	180.24	9.94	170.30	1940	440	15.5	15.7	21	80.6
	Nov-05	180.24	10.21	170.03	1260	259	6.2	8.2	10.81	45.8
	Feb-06	180.24	9.01	171.23	1430	332	13.6	18.1	25.03	43
ESE-2	Oct-92	178.23	11.68	166.55	300	5.4	16	3.9	45	NA
	Apr-93	178.23	9.17	169.06	240	27	<0.5	17	2.6	123
	Jun-93	178.23	10.88	167.35	1700	260	24	110	23	NA
	Jun-93	178.23	NM	NM	1300	240	17	110	25	NA
	Sep-93	178.23	11.56	166.67	240	3.1	0.5	0.6	2.5	643
	Dec-93	178.23	10.48	167.75	250	2.4	2.4	1.5	11	940

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.	Feb-94	178.23	10.06	168.17	900	<0.5	<0.5	<0.5	<0.5	930
	Aug-94	178.23	11.11	167.12	750	<0.5	<0.5	<0.5	<0.5	1400
	Oct-94	178.23	11.31	166.92	1700	<0.5	<0.5	<0.5	<0.5	3000
	Jan-95	178.23	8.25	169.98	300	2	0.9	0.7	1	NA
	May-95	178.23	9.21	169.02	1200	4	<2.5	<2.5	<5	NA
	Jul-95	178.23	10.64	167.59	2000	<2.5	<2.5	<2.5	<5	NA
	Nov-95	178.23	11.13	167.10	3600	<25	<25	<25	<50	12000
	Nov-95	178.23	NM	NM	3400	<25	<25	<25	<50	12000
	Feb-96	178.23	7.94	170.29	450	<0.5	<1	<1	<1	2300
	Apr-96	178.23	9.73	168.50	260	0.9	<1	<1	<1	8600
	Jul-96	178.23	10.70	167.53	780	<2.5	<5	<5	<5	13393
	Oct-96	178.23	11.39	166.84	2900	<0.5	<1	<1	<1	12000
	Jan-97	178.23	9.04	169.19	<250	<2.5	<5	<5	<5	13000
	Apr-97	178.23	10.31	167.92	2700	<0.5	<1	<1	<1	15000
	Jul-97	178.23	11.02	167.21	11000	<5	<10	<10	<10	11000
	Oct-97	178.23	10.93	167.30	6100	<2.5	<5.0	<5.0	<5.0	7100
	Oct-97	178.23	NM	NM	6600	<2.5	<5.0	<5.0	<5.0	7400
	Jan-98	178.23	7.93	170.30	13000	<0.5	<1	<1	<1	10000
	Jan-98	178.23	NM	NM	13000	<0.5	<1	<1	<1	10000
	Apr-98	178.23	9.34	168.89	19000	<5	<10	<10	<10	36000
	Jul-98	178.23	10.29	167.94	NA	NA	NA	NA	NA	NA
	Jul-98	178.23	NM	NM	19000	<5	<10	<10	<10	36000
	Dec-98	178.23	10.20	168.03	12000	<5	<5	<5	<5	13000
	Mar-99	178.23	9.02	169.21	18000	160	<1	<1	<1	18000
	Jun-99	178.23	9.99	168.24	280	<1	<1	<1	<1	16000
	Sep-99	178.23	10.69	167.54	<500	<25	<25	<25	<25	12000
	Dec-99	178.23	11.26	166.97	<50	<0.3	<0.3	<0.3	<0.6	12000
	Mar-00	178.23	7.95	170.28	<50	1.6	<0.5	<0.5	<0.5	7900
	Jun-00	178.23	9.66	168.57	1600	<0.5	0.73	<0.5	2.2	9400
	Dec-00	178.23	11.15	167.08	6000	0.75	<0.5	<0.5	<0.5	11200
Mar-01	178.23	10.35	167.88	6900	786	45.7	37.7	71.5	3790	
Jun-01	178.23	11.24	166.99	6400	<2.5	<2.5	<2.5	<7.5	9320	
Sep-01	178.23	11.35	166.88	4800	<12.5	<12.5	<12.5	<37.5	6960	
Dec-01	178.23	10.97	167.26	59000	0.592	<0.5	<0.5	<1	5940	
Mar-02	178.23	10.13	168.10	4500	76	<0.5	<0.5	<1	6660	
Jun-02	178.23	10.91	167.32	250	<12.5	<12.5	<12.5	<25	4900	
Sep-02	178.23	10.82	167.41	1500	<5	<5	<5	6.3	3100	
Dec-02	178.23	7.87	170.36	1400	<5	<5	<5	<5	2400	

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.	Mar-03	178.23	10.24	167.99	2800	<10	<10	<10	<10	4800
	Jun-03	178.23	10.19	168.04	10000	<100	<100	<100	<100	4400
	Dec-03	178.23	9.97	168.26	<50	<0.5	<0.5	<0.5	<0.5	3400
	Feb-04	178.23	7.89	170.34	<50	<0.5	<0.5	<0.5	<0.5	3000
	May-04	178.23	10.70	167.53	<50	<0.5	<0.5	<0.5	<0.5	1100
	Aug-04	180.79	10.99	169.80	<50	<0.5	<0.5	<0.5	<0.5	550
	Oct-04	180.79	10.46	170.33	<50	<0.5	<0.5	<0.5	<0.5	410
	Jan-05	180.79	8.66	172.13	<50	<8.3	<8.3	<8.3	<8.3	1200
	Apr-05	180.79	9.38	171.41	<860	<2.15	<2.15	<2.15	<4.30	1020
	Jul-05	180.79	10.46	170.33	<860	<2.15	<8.60	<2.15	<4.30	378
	Nov-05	180.79	10.55	170.24	<50	<0.5	<2.0	<0.5	<1.0	210
	Feb-06	180.79	9.46	171.33	<215	<2.15	<8.6	<2.15	<4.3	419
	ESE-3	Oct-92	178.20	10.58	167.62	430	57	31	3.6	34
Apr-93		178.20	8.14	170.06	2400	460	220	74	210	NA
Jun-93		178.20	9.72	168.48	280	56	14	15	13	NA
Sep-93		178.20	10.46	167.74	72	13	3.5	1.7	4.1	NA
Dec-93		178.20	9.30	168.90	270	71	32	6.1	33	NA
Feb-94		178.20	8.97	169.23	520	140	10	20	33	5.74
Aug-94		178.20	10.02	168.18	<50	8.8	1.6	1.6	2.3	<5.0
Oct-94		178.20	10.32	167.88	470	190	6.4	15	18	<5.0
Jan-95		178.20	7.40	170.80	330	260	27	21	20	NA
May-95		178.20	8.26	169.94	530	180	30	23	44	NA
Jul-95		178.20	9.54	168.66	<50	<0.50	<0.50	<0.50	<1	NA
Nov-95		178.20	10.04	168.16	<50	1.7	<0.50	<0.50	<1	<5.0
Feb-96		178.20	7.08	171.12	<50	8.6	<1	<1	<1	<10
Apr-96		178.20	8.79	169.41	<50	7.6	<1	<1	<1	65
Jul-96		178.20	10.09	168.11	<50	12	2.6	2	3.9	26
Oct-96		178.20	10.48	167.72	NA	NA	NA	NA	NA	NA
Oct-96		178.20	NM	NM	260	140	<1	<1	2.6	<10
Jan-97	178.20	8.65	169.55	<50	1.5	1.7	<1	<1	14	
Apr-97	178.20	10.02	168.18	<50	<0.5	<1	<1	<1	14	
Jul-97	178.20	10.66	167.54	10000	1400	1400	300	1280	<250	
Oct-97	178.20	9.83	168.37	<250	<2.5	<5.0	<5.0	36	<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-3 cont.	Jan-98	178.20	7.06	171.14	130	<0.5	<1.0	<1.0	<1.0	120
	Apr-98	178.20	8.44	169.76	4800	560	<10	15	<10	4000
	Jul-98	178.20	9.27	168.93	NA	NA	NA	NA	NA	NA
	Jul-98	178.20	NM	NM	1800	6.2	<5.0	<5.0	<5.0	1700
	Dec-98	178.20	9.15	169.05	600	54	<1.0	2.1	4.9	340/480
	Mar-99	178.20	8.14	170.06	2000	260	4.4	13	28	870
	Jun-99	178.20	9.44	168.76	290	91	<1.0	8.3	16	240
	Sep-99	178.20	9.69	168.51	130	35	<1.0	2.7	3.8	100
	Dec-99	178.20	10.99	167.21	380	84	1.7	8.7	6.3	160
	Mar-00	178.20	7.12	171.08	950	190	4.6	39	62	350
	Jun-00	178.20	10.92	167.28	300	37	<0.5	2.3	1.3	400
	Sep-00	178.20	11.12	167.08	920	140	1.3	15	4.8	170
	Dec-00	178.20	9.70	168.50	320	64	<0.5	6.24	1.76	201
	Mar-01	178.20	10.07	168.13	680	80.5	0.546	21.1	18.2	398
	Jun-01	178.20	11.42	166.78	380	47	<0.5	3.11	<1.5	242
	Sep-01	178.20	11.55	166.65	340	54.8	<0.5	4.36	<1.5	79.7
	Dec-01	178.20	10.12	168.08	270	31.4	<0.5	1.31	2.24	129
	Mar-02	178.20	9.84	168.36	670	89.8	0.769	23.4	30.4	413
	Jun-02	178.20	10.57	167.63	130	18.6	<0.5	<0.5	<1	166
	Sep-02	178.20	9.90	168.30	88	12	<0.5	<0.5	<0.5	93
Dec-02	178.20	9.23	168.97	290	55	17	3.7	14	78	
Mar-03	178.20	9.05	169.15	100	3.4	<0.5	0.54	<0.50	140	
Jun-03	178.20	9.30	168.90	520	17	<5	5.3	<5	130	
ESE-4	Oct-92	177.73	10.33	167.40	98	7.2	1.3	1.1	6.1	NA
	Apr-93	177.73	7.88	169.85	550	93	20	23	33	NA
	Jun-93	177.66	8.33	169.33	150	23	0.6	5.4	0.5	54
	Sep-93	177.66	10.05	167.61	110	14	1.7	3.2	4.6	NA
	Dec-93	177.66	8.95	168.71	110	21	7.2	4.2	10	28.75
	Feb-94	177.66	8.65	169.01	210	26	1.2	4.7	11	113
	Aug-94	177.66	9.76	167.90	76	9.6	<0.5	2	<0.5	62
	Oct-94	177.66	9.62	168.04	<50	<0.5	<0.5	<0.5	<0.5	44
	Jan-95	177.66	6.97	170.69	140	56	14	24	23	NA
	May-95	177.66	7.85	169.81	130	21	2.8	8.6	8.2	NA
	Jul-95	177.66	9.20	168.46	<50	<0.5	<0.5	<0.5	<1	NA
	Nov-95	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.	Feb-96	177.66	6.59	171.07	100	2.6	<1	1.6	4.1	42
	Apr-96	177.66	8.30	169.36	160	37	15	16	31	43
	Jul-96	177.66	9.21	168.45	60	17	1.5	6.8	11.6	27
	Oct-96	177.66	9.97	167.69	NA	NA	NA	NA	NA	NA
	Oct-96	177.66	NM	NM	<50	<0.5	<1.0	<1.0	<1.0	18
	Jan-97	177.66	7.68	169.98	<50	<0.5	<1.0	<1.0	<1.0	130
	Apr-97	177.66	9.15	168.51	<250	<2.5	<5.0	<5.0	<5.0	<50
	Jul-97	177.66	9.71	167.95	<50	15	<10	<10	<10	<100
	Oct-97	177.66	9.38	168.28	<250	<2.5	<5.0	<5.0	<5.0	<50
	Jan-98	177.66	6.59	171.07	<50	<0.5	<1.0	<1.0	<1.0	<10
	Apr-98	177.66	7.90	169.76	<250	<2.5	<5.0	<5.0	<5.0	<50
	Jul-98	177.66	8.96	168.70	NA	NA	NA	NA	NA	NA
	Jul-98	177.66	NM	NM	<50	<0.5	<1.0	<1.0	<1.0	<10
	Dec-98	177.66	8.32	169.34	NA	NA	NA	NA	NA	NA
	Mar-99	177.66	7.71	169.95	NA	NA	NA	NA	NA	NA
	Jun-99	177.66	8.78	168.88	NA	NA	NA	NA	NA	NA
	Sep-99	177.66	9.27	168.39	NA	NA	NA	NA	NA	NA
	Dec-99	177.66	9.21	168.45	NA	NA	NA	NA	NA	NA
	Mar-00	177.66	6.82	170.84	NA	NA	NA	NA	NA	NA
	Jun-00	177.66	8.72	168.94	NA	NA	NA	NA	NA	NA
	Sep-00	177.66	8.72	168.94	NA	NA	NA	NA	NA	NA
	Dec-00	177.66	8.61	169.05	NA	NA	NA	NA	NA	NA
	Mar-01	177.66	8.61	169.05	NA	NA	NA	NA	NA	NA
	Jun-01	177.66	9.24	168.42	NA	NA	NA	NA	NA	NA
	Sep-01	177.66	9.35	168.31	NA	NA	NA	NA	NA	NA
	Dec-01	177.66	8.53	169.13	NA	NA	NA	NA	NA	NA
	Mar-02	177.66	8.44	169.22	NA	NA	NA	NA	NA	NA
	Jun-02	177.66	10.97	166.69	NA	NA	NA	NA	NA	NA
	Sep-02	177.66	9.27	168.39	NA	NA	NA	NA	NA	NA
	Dec-02	177.66	6.90	170.76	NA	NA	NA	NA	NA	NA
	Mar-03	177.66	8.83	168.83	NA	NA	NA	NA	NA	NA
	Jun-03	177.66	8.84	168.82	NA	NA	NA	NA	NA	NA
ESE-5	Oct-92	176.08	9.22	166.86	1300	200	3.8	1.2	18	NA
	Apr-93	176.08	7.02	169.06	13000	2200	26	730	1000	NA
	Apr-93	176.08	NM	NM	13000	2500	25	740	1100	NA
	Jun-93	176.08	10.21	165.87	7600	1500	9.3	170	100	NA
	Sep-93	176.08	10.64	165.44	560	19	1.2	0.9	1.8	NA
	Dec-93	176.08	9.42	166.66	1700	300	3	76	110	14.07

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.	Feb-94	176.08	9.35	166.73	3500	640	7.8	90	130	45.13
	Aug-94	176.08	8.76	167.32	2600	210	4.6	9.4	4.4	33
	Aug-94	176.08	NM	NM	2500	230	4.6	13	4.8	32
	Oct-94	176.08	8.95	167.13	5600	560	9.5	75	21	79.2
	Oct-94	176.08	NM	NM	6000	550	10	78	22	77
	Jan-95	176.08	5.40	170.68	1900	620	<5	95	15	NA
	Jan-95	176.08	NM	NM	1600	620	<5	93	17	NA
	May-95	176.08	6.48	169.60	5700	1100	<10	180	58	NA
	May-95	176.08	NM	NM	5300	1100	<10	180	58	NA
	Jul-95	176.08	7.97	168.11	520	15	<0.50	1.7	1.3	NA
	Jul-95	176.08	NM	NM	460	7.2	<0.50	1.9	1.5	NA
	Nov-95	176.08	8.39	167.69	850	39	1.8	7.6	2.7	24
	Feb-96	176.08	4.71	171.37	4100	670	6	190	140	<50
	Apr-96	176.08	7.35	168.73	3000	570	<5	79	100	84
	Jul-96	176.08	9.40	166.68	620	150	1.7	9.3	6.4	25
	Oct-96	176.08	9.04	167.04	1100	29	<5	<5	<5	<50
	Oct-96	176.08	NM	NM	1100	31	<5	<5	<5	<50
	Jan-97	176.08	5.82	170.26	2100	980	<25	280	80	<250
	Jan-97	176.08	NM	NM	2700	910	8.8	280	84	180
	Apr-97	176.08	7.24	168.84	NA	NA	NA	NA	NA	NA
	Apr-97	176.08	NM	NM	<250	7.9	<5.0	<5.0	<5.0	<50
	Jul-97	176.08	7.86	168.22	1200	<5	<10	<10	<10	<100
	Jul-97	176.08	NM	NM	630	31	<5.0	<5.0	<5.0	130
	Oct-97	176.08	7.91	168.17	<250	5.4	<5.0	<5.0	<5.0	<50
	Jan-98	176.08	4.64	171.44	170	7.7	<1.0	<1.0	<1.0	130
	Apr-98	176.08	6.31	169.77	720	79	<5.0	9	<5.0	180
	Jul-98	176.08	7.43	168.65	NA	NA	NA	NA	NA	NA
	Jul-98	176.08	NM	NM	840	9.8	<1.0	4	<1.0	710
	Dec-98	176.08	7.05	169.03	NA	NA	NA	NA	NA	NA
	Mar-99	176.08	5.00	171.08	<250	<5.0	<5.0	<5.0	<5.0	<5.0
	Jun-99	176.08	7.77	168.31	NA	NA	NA	NA	NA	NA
	Sep-99	176.08	8.11	167.97	450	10	<5.0	6.3	<5.0	220
	Dec-99	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.	Mar-00	176.08	5.08	171.00	1700	170	2.5	45	6.4	140
	Jun-00	176.08	7.36	168.72	NA	NA	NA	NA	NA	NA
	Sep-00	176.08	7.71	168.37	130	0.65	<0.50	0.71	<0.50	51
	Dec-00	176.08	2.36	173.72	NA	NA	NA	NA	NA	NA
	Mar-01	176.08	7.42	168.66	1000	10.3	<2.5	11	<7.5	70.8
	Jun-01	176.08	7.92	168.16	NA	NA	NA	NA	NA	NA
	Sep-01	176.26	8.23	168.03	200	0.868	<0.50	0.55	<1.5	57.5
	Dec-01	176.26	7.80	168.46	NA	NA	NA	NA	NA	NA
	Mar-02	176.26	6.55	169.71	1300	17.1	1.35	15.4	1.42	37.4
	Jun-02	176.26	7.83	168.43	NA	NA	NA	NA	NA	NA
	Sep-02	176.26	8.22	168.04	680	9.9	<5.0	<5.0	<5.0	44
	Dec-02	176.26	6.58	169.68	NA	NA	NA	NA	NA	NA
	Mar-03	176.26	6.77	169.49	2100	14	<2.5	15	3	80
	Jun-03	176.26	6.75	169.51	NA	NA	NA	NA	NA	NA
	Sep-03	176.26	8.48	167.78	970	10 C	<0.5	<0.5	5.3	34
	Dec-03	176.26	7.32	168.94	700	6.5	<0.5	3.1	2.7 C	34
	Feb-04	176.26	5.21	171.05	2400 H	41	2.8 C	18	2.4 C	29
	May-04	176.26	7.50	168.76	1500	2.6 C	<0.5	2.1 C	2.1 C	25
	Aug-04	178.80	8.28	170.52	680	<0.5	<0.5	<0.5	<0.5	33
	Oct-04	178.80	8.26	170.54	380	<0.5	<0.5	<0.5	1.4	39
Jan-05	178.80	5.16	173.64	2400	18	1.4	22	2.1	26	
Apr-05	178.80	6.13	172.67	4800	7.75	1.26	14.3	<1.0	23.1	
Jul-05	178.80	7.52	171.28	3240	0.78	<2.0	1.18	<1.0	36.6	
Nov-05	178.80	7.85	170.95	1190	0.51	<2.0	<0.5	<1.0	30	
Feb-06	178.80	5.83	172.97	2510	1.91	<2.0	2.82	<1.0	20.7	
MW-6	Jul-95	179.24	10.00	169.24	<50	<0.50	<0.50	<0.50	<1.0	NA
	Nov-95	179.24	10.44	168.80	<50	<0.50	<0.50	<0.50	<1.0	<5.0
	Feb-96	179.24	7.68	171.56	<50	<0.5	<1.0	<1.0	<1.0	<10
	Apr-96	179.24	9.33	169.91	<50	<0.5	<1.0	<1.0	<1.0	<10
	Jul-96	179.24	10.10	169.14	<50	<0.5	<1.0	<1.0	<1.0	<10
	Oct-96	179.24	11.00	168.24	<50	<0.5	<1.0	<1.0	<1.0	<10
	Jan-97	179.24	8.70	170.54	<50	<0.5	<1.0	<1.0	<1.0	<10
	Apr-97	179.24	10.16	169.08	<50	<0.5	<1.0	<1.0	<1.0	<10
	Jul-97	179.24	10.66	168.58	<50	<0.5	<1.0	<1.0	<1.0	<10
	Oct-97	179.24	10.25	168.99	<50	<0.5	<1.0	<1.0	<1.0	<10
	Jan-98	179.24	7.76	171.48	<50	<0.5	<1.0	<1.0	<1.0	<10
	Apr-98	179.24	9.10	170.14	<50	<0.5	<1.0	<1.0	<1.0	<10
	Jul-98	179.24	10.40	168.84	NA	NA	NA	NA	NA	NA
	Jul-98	179.24	NM	NM	<50	<0.5	<1.0	<1.0	<1.0	<10
Dec-98	179.24	9.40	169.84	NA	NA	NA	NA	NA	NA	

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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
MW-6 cont.	Mar-99	179.24	9.10	170.14	NA	NA	NA	NA	NA	NA
	Jun-99	179.24	9.79	169.45	NA	NA	NA	NA	NA	NA
	Sep-99	179.24	10.10	169.14	NA	NA	NA	NA	NA	NA
	Dec-99	179.24	9.97	169.27	NA	NA	NA	NA	NA	NA
	Mar-00	179.24	8.56	170.68	NA	NA	NA	NA	NA	NA
	Jun-00	179.24	9.11	170.13	NA	NA	NA	NA	NA	NA
	Sep-00	179.24	9.77	169.47	NA	NA	NA	NA	NA	NA
	Dec-00	179.24	9.17	170.07	NA	NA	NA	NA	NA	NA
	Mar-01	179.24	9.82	169.42	NA	NA	NA	NA	NA	NA
	Jun-01	179.24	10.19	169.05	NA	NA	NA	NA	NA	NA
	Sep-01	179.24	10.25	168.99	NA	NA	NA	NA	NA	NA
	Dec-01	179.24	9.75	169.49	NA	NA	NA	NA	NA	NA
	Mar-02	179.24	9.53	169.71	NA	NA	NA	NA	NA	NA
	Jun-02	179.24	9.87	169.37	NA	NA	NA	NA	NA	NA
	Sep-02	179.24	9.49	169.75	NA	NA	NA	NA	NA	NA
	Dec-02	179.24	8.39	170.85	NA	NA	NA	NA	NA	NA
	Mar-03	179.24	9.40	169.84	NA	NA	NA	NA	NA	NA
	Jun-03	179.24	9.71	169.53	NA	NA	NA	NA	NA	NA
	Sep-03	179.24	10.21	169.03	<50	<0.5	<0.5	<0.5	<0.5	<2.0
	Dec-03	179.24	9.66	169.58	<50	<0.5	<0.5	<0.5	<0.5	<0.5
	Feb-04	179.24	7.83	171.41	<50	<0.5	<0.5	<0.5	<0.5	<0.5
	May-04	179.24	9.75	169.49	<50	<0.5	<0.5	<0.5	<0.5	<0.5
	Aug-04	181.80	10.28	171.52	<50	<0.5	<0.5	<0.5	<0.5	<0.5
	Oct-04	181.80	9.91	171.89	<50	<0.5	<0.5	<0.5	<0.5	<0.5
	Jan-05	181.80	8.40	173.40	<50	0.6	<0.5	<0.5	<0.5	<0.5
	Apr-05	181.80	9.04	172.76	<200	<0.5	<0.5	<0.5	<1.0	<0.5
	Jul-05	181.80	9.94	171.86	<200	<0.5	<2.00	<0.5	<1.00	<0.5
	Nov-05	181.80	9.98	171.82	<50	<0.5	<2.0	<0.5	<1.0	<0.5
Feb-06	181.80	9.91	171.89	<50	<0.5	<2.0	<0.5	<1.0	<0.5	

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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
MW-7	Jul-95	176.55	9.25	167.30	<50	0.54	0.54	<0.50	<1.0	NA
	Nov-95	176.55	9.73	166.82	1100	<10	<10	<10	<20	4000
	Feb-96	176.55	6.48	170.07	610	<0.50	<1.0	<1.0	<1.0	2500
	Feb-96	176.55	NM	NM	280	<0.50	<1.0	<1.0	<1.0	2600
	Apr-96	176.55	8.37	168.18	110	<0.50	<1.0	<1.0	<1.0	3500
	Apr-96	176.55	NM	NM	230	<0.50	<1.0	<1.0	<1.0	3500
	Jul-96	176.55	9.24	167.31	230	<0.50	<1.0	<1.0	<1.0	4296
	Jul-96	176.55	NM	NM	220	<0.50	<1.0	<1.0	<1.0	4400
	Oct-96	176.55	10.05	166.50	NA	NA	NA	NA	NA	NA
	Oct-96	176.55	NM	NM	1600	<0.50	<1.0	<1.0	<1.0	3000
	Jan-97	176.55	7.51	169.04	<50	0.63	<1.0	<1.0	<1.0	2600
	Apr-97	176.55	8.79	167.76	NA	NA	NA	NA	NA	NA
	Apr-97	176.55	NM	NM	1500	<0.50	<1.0	<1.0	<1.0	3600
	Apr-97	176.55	NM	NM	7700	3500	<25	74	37	<250
	Jul-97	176.55	9.50	167.05	1400	<0.50	<1.0	<1.0	<1.0	2600
	Oct-97	176.55	9.19	167.36	420	<0.50	<1.0	<1.0	<1.0	560
	Jan-98	176.55	6.45	170.10	3100	<0.50	<1.0	<1.0	1.4	2300
	Apr-98	176.55	8.02	168.53	3800	<0.50	<1.0	<1.0	<1.0	3800
	Jul-98	176.55	8.88	167.67	NA	NA	NA	NA	NA	NA
	Jul-98	176.55	NM	NM	500	<2.5	<5.0	<5.0	<5.0	<50
	Jul-98	176.55	NM	NM	4700	<12	<25	<25	<25	4700
	Dec-98	176.55	8.62	167.93	NA	NA	NA	NA	NA	NA
	Mar-99	176.55	7.52	169.03	3800	<1.0	<1.0	<1.0	<1.0	3800
	Jun-99	176.55	9.63	166.92	NA	NA	NA	NA	NA	NA
	Sep-99	176.55	9.39	167.16	140	<10	<10	<10	<10	3800
	Dec-99	176.55	9.94	166.61	NA	NA	NA	NA	NA	NA
	Mar-00	176.55	6.72	169.83	<50	<0.50	<0.50	<0.50	<0.50	1400
	Jun-00	176.55	7.38	169.17	NA	NA	NA	NA	NA	NA
	Sep-00	176.55	9.18	167.37	190	<0.50	<0.50	<0.50	<0.50	580
	Dec-00	176.55	8.13	168.42	NA	NA	NA	NA	NA	NA
	Mar-01	176.55	8.98	167.57	1300	<0.50	<0.50	<0.50	<1.5	1460
	Jun-01	176.55	9.68	166.87	NA	NA	NA	NA	NA	NA
	Sep-01	176.55	9.80	166.75	<0.50	<0.50	<0.50	<0.50	<1.5	94.9
	Dec-01	176.55	9.26	167.29	NA	NA	NA	NA	NA	NA
	Mar-02	176.55	8.69	167.86	800	<0.50	<0.50	<0.50	<1.0	952
	Jun-02	176.55	9.06	167.49	NA	NA	NA	NA	NA	NA
	Sep-02	176.55	9.23	167.32	260	<2.0	<2.0	<2.0	<2.0	580
	Dec-02	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.	Mar-03	176.55	8.30	168.25	620	<2.5	<2.5	<2.5	<2.5	1100
	Jun-03	176.55	9.51	167.04	NA	NA	NA	NA	NA	NA
	Sep-03	176.55	9.52	167.03	<50	<0.5	<0.5	<0.5	<0.5	460
	Dec-03	176.55	8.99	167.56	<50	<0.5	<0.5	<0.5	<0.5	420
	Feb-04	176.55	6.55	170.00	<50	<0.5	<0.5	<0.5	<0.5	330
	May-04	176.55	8.90	167.65	<50	<0.5	<0.5	<0.5	<0.5	630
	Aug-04	179.11	9.58	169.53	<50	<0.5	<0.5	<0.5	<0.5	750
	Oct-04	179.11	9.20	169.91	<50	<0.5	<0.5	<0.5	<0.5	550
	Jan-05	179.11	7.25	171.86	<50	<2.0	<2.0	<2.0	<2.0	250
	Apr-05	179.11	7.94	171.17	<200	<0.5	<0.5	<0.5	<1.0	285
	Jul-05	179.11	9.08	170.03	<400	<1.0	<4.0	<1.0	<2.0	452
	Nov-05	179.11	9.14	169.97	<50	<0.5	<2.0	<0.5	<1.0	110
	Feb-06	179.11	7.93	171.18	<50	<0.5	<2.0	<0.5	<1.0	101
MW-8	Jul-95	176.34	7.80	168.54	1,100	<2.5	<2.5	<2.5	<5.0	NA
	Nov-95	176.34	8.29	168.05	8,300	75	5.3	670	240	140
	Feb-96	176.34	4.99	171.35	2,300	33	<10	190	216	<100
	Apr-96	176.34	6.09	170.25	2,000	390	<10	150	26	<250
QC-2	Apr-93	NM	NM	NM	<50	<0.5	<0.5	<0.5	<0.5	NA
	Jun-93	NM	NM	NM	<50	<0.5	<0.5	<0.5	<0.5	NA
	Sep-93	NM	NM	NM	<50	<0.5	<0.5	<0.5	<0.5	NA
	Dec-93	NM	NM	NM	<50	<0.5	<0.5	<0.5	<0.5	<5.0
	Feb-94	NM	NM	NM	<50	<0.5	<0.5	<0.5	<0.5	NA
	Aug-94	NM	NM	NM	<50	<0.5	<0.5	<0.5	<0.5	NA
	Oct-94	NM	NM	NM	<50	<0.5	<0.5	<0.5	<0.5	NA
	Jan-95	NM	NM	NM	<50	<0.5	<0.5	<0.5	<1.0	NA
	May-95	NM	NM	NM	<50	<0.50	<0.50	<0.50	<1.0	NA
	Jul-95	NM	NM	NM	<50	<0.50	<0.50	<0.50	<1.0	NA
	Nov-95	NM	NM	NM	<50	<0.50	<0.50	<0.50	<1.0	<5.0
	Feb-96	NM	NM	NM	<50	<0.5	<1.0	<1.0	<1.0	<10
	Apr-96	NM	NM	NM	<50	<0.5	<1.0	<1.0	<1.0	<10
Jul-96	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	Aug-04	180.95	11.53	169.42	84	<0.5	<0.5	1.5 C	2.2	2100
	Oct-04	180.95	10.41	170.54	56	<0.5	<0.5	1.3 C	1.4 C	1600
	Jan-05	180.95	9.68	171.27	58	<3.1	<3.1	<3.1	<3.1	330
	Apr-05	180.95	9.37	171.58	<2200	<5.5	<5.5	<5.5	<11	668
	Jul-05	180.95	10.21	170.74	<860	<2.15	<8.6	<2.15	<4.3	591
	Nov-05	180.95	10.70	170.25	<50	<0.5	<2.0	1.1	<1.0	256
	Feb-06	180.95	9.30	171.65	127	1.56	<2.0	3.23	3.12	176
SOMA-2	Aug-04	178.99	10.69	168.30	<50	<0.5	<0.5	<0.5	<0.5	0.8
	Oct-04	178.99	10.75	168.24	<50	<0.5	<0.5	<0.5	<0.5	2.4
	Jan-05	178.99	9.45	169.54	<50	<0.5	<0.5	<0.5	<0.5	1.1
	Apr-05	178.99	10.46	168.53	<200	<0.5	<0.5	<0.5	<1.0	<0.5
	Jul-05	178.99	11.81	167.18	<200	<0.5	<2.0	<0.5	<1.0	<0.5
	Nov-05	178.99	12.02	166.97	<50	<0.5	<2.0	<0.5	<1.0	1.61
	Feb-06	178.99	11.88	167.11	<50	<0.5	<2.0	<0.5	<1.0	<0.5
SOMA-3	Aug-04	176.81	9.97	166.84	<50	<0.5	<0.5	<0.5	<0.5	<0.5
	Oct-04	176.81	9.59	167.22	<50	<0.5	<0.5	<0.5	<0.5	<0.5
	Jan-05	176.81	8.23	168.58	<50	<0.5	<0.5	<0.5	<0.5	<0.5
	Apr-05	176.81	8.64	168.17	<200	<0.5	<0.5	<0.5	<1.0	<0.5
	Jul-05	176.81	9.60	167.21	<200	<0.5	<2.0	<0.5	<1.0	<0.5
	Nov-05	176.81	10.01	166.80	<50	<0.5	<2.0	<0.5	<1.0	5.1
	Feb-06	176.81	8.80	168.01	<50	<0.5	<2.0	<0.5	<1.0	7.16
SOMA-4	Aug-04	176.94	9.44	167.50	140	0.98	<0.5	7.8	<0.5	11
	Oct-04	176.94	9.91	167.03	150	<0.5	<0.5	10	<0.5	8.8
	Jan-05	176.94	8.36	168.58	500	3.7	<0.5	53	<0.5	7.6
	Apr-05	176.94	7.89	169.05	<200	0.74	<0.5	3.21	<1.0	5.65
	Jul-05	176.94	11.62	165.32	<200	<0.5	<2.0	0.56	<1.0	7.09
	Nov-05	176.94	9.33	167.61	<50	<0.5	<2.0	<0.5	<1.0	8.6
	Feb-06	176.94	9.18	167.76	55.8	<0.5	<2.0	0.85	<1.0	10.4

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.

NM: Not Measured

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	Jun-03	<400	<10	<10	18	NA	NA	NA
	Sep-03	NA	NA	NA	NA	NA	NA	NA
	Dec-03	290	<1.0	<1.0	9.5	<2,000	<1.0	<1.0
	Feb-04	410	<0.5	<0.5	9.7	<1000	<0.5	<0.5
	May-04	190	<0.5	<0.5	<0.5	<1000	<0.5	<0.5
	Aug-04	180	<0.5	<0.5	<0.5	<1000	<0.5	<0.5
	Oct-04	270	<0.7	<0.7	4.4	<1400	9.9	<0.7
	Jan-05	280	<1.3	<1.3	<1.3	<2,500	<1.3	<1.3
	Apr-05	144	<2.15	<2.15	<8.6	<4300	<2.15	<2.15
	Jul-05	119	<2.15	<2.15	<8.6	<4300	<2.15	<2.15
	Nov-05	107	<0.5	<0.5	<2.0	<1000	<0.5	<0.5
	Feb-06	181	<2.15	<2.15	<8.6	<4300	<2.15	<2.15
	ESE-2	Jun-03	<4000	<100	<100	<100	NA	NA
Sep-03		NA	NA	NA	NA	NA	NA	NA
Dec-03		500	<13	<13	77	<25,000	<13	<13
Feb-04		1200	<0.5	<0.5	92	<1000	<0.5	<0.5
May-04		2400	<10	<10	25	<20,000	<10	<10
Aug-04		2300	<2.5	<2.5	12	<5000	<2.5	<2.5
Oct-04		1800	<3.6	<3.6	8.6	<7100	<3.6	<3.6
Jan-05		470	<8.3	<8.3	28	<17,000	<8.3	<8.3
Apr-05		<10.8	<2.15	<2.15	17.9	<4300	<2.15	<2.15
Jul-05		109	<2.15	<2.15	9.7	<4300	<2.15	<2.15
Nov-05		64.7	<0.5	<0.5	3.43	<1000	<0.5	<0.5
Feb-06		46.4	<2.15	<2.15	11	<4300	<2.15	<2.15

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-3	Jun-03	<200	<5.0	<5.0	<5.0	NA	NA	NA
ESE-5	Sep-03	<10	<0.5	<0.5	<0.5	<1000	<0.5	<0.5
	Dec-03	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	Feb-04	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	May-04	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	Aug-04	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	Oct-04	<10	<0.5	<0.5	<0.5	<1000	<0.5	<0.5
	Jan-05	<10	<0.5	<0.5	<0.5	<1000	<0.5	<0.5
	Apr-05	17	<0.5	<0.5	<2.0	<1000	<0.5	<0.5
	Jul-05	<10	<0.5	<0.5	<2.0	<1000	<0.5	<0.5
	Nov-05	<10	<0.5	<0.5	<2.0	<1000	<0.5	<0.5
	Feb-06	<10	<0.5	<0.5	<2.0	<1000	<0.5	<0.5
MW-6	Sep-03	<10	<0.5	<0.5	<0.5	<1000	<0.5	<0.5
	Dec-03	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	Feb-04	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	May-04	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	Aug-04	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	Oct-04	<10	<0.5	<0.5	<0.5	<1000	<0.5	<0.5
	Jan-05	<10	<0.5	<0.5	<0.5	<1000	<0.5	<0.5
	Apr-05	<2.5	<0.5	<0.5	<2.0	<1000	<0.5	<0.5
	Jul-05	<10	<0.5	<0.5	<2.0	<1000	<0.5	<0.5
	Nov-05	<10	<0.5	<0.5	<2.0	<1000	<0.5	<0.5
	Feb-06	<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)
MW-7	Sep-03	<10	<0.5	<0.5	9.8	<1000	<0.5	<0.5
	Dec-03	<25	<1.3	<1.3	8.1	<2500	<1.3	<1.3
	Feb-04	<10	<0.5	<0.5	9.9	<1000	<0.5	<0.5
	May-04	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	Aug-04	<25	<1.3	<1.3	19	<2500	<1.3	<1.3
	Oct-04	<100	<5.0	<5.0	11	<10,000	<5.0	<5.0
	Jan-05	<40	<2.0	<2.0	5.1	<4,000	<2.0	<2.0
	Apr-05	2.62	<0.5	<0.5	4.57	<1000	<0.5	<0.5
	Jul-05	55.6	<1.0	<1.0	10.2	<2000	<1.0	<1.0
	Nov-05	10.6	<0.5	<0.5	2.07	<1000	<0.5	<0.5
	Feb-06	<10	<0.5	<0.5	2.19	<1000	<0.5	<0.5
SOMA-1	Aug-04	2300	<6.3	<6.3	53	<13000	<6.3	<6.3
	Oct-04	2400	<13	<13	36	<25,000	<13	<13
	Jan-05	530	<3.1	<3.1	7.1	<6,300	<3.1	<3.1
	Apr-05	<27.5	<5.5	<5.5	<22	<11000	<5.5	<5.5
	Jul-05	2180	<2.15	<2.15	12.9	<4300	<2.15	<2.15
	Nov-05	792	<0.5	<0.5	5.01	<1000	<0.5	<0.5
		Feb-06	618	<0.5	<0.5	3.67	<1000	<0.5
SOMA-2	Aug-04	<10	<0.5	<0.5	<0.5	<1000	<0.5	<0.5
	Oct-04	<10	<0.5	<0.5	<0.5	<1000	<0.5	<0.5
	Jan-05	<10	<0.5	<0.5	<0.5	<1000	<0.5	<0.5
	Apr-05	<2.5	<0.5	<0.5	<2.0	<1000	<0.5	<0.5
	Jul-05	<10	<0.5	<0.5	<2.0	<1000	<0.5	<0.5
	Nov-05	<10	<0.5	<0.5	<2.0	<1000	<0.5	<0.5
		Feb-06	<10	<0.5	<0.5	<2.0	<1000	<0.5
SOMA-3	Aug-04	<10	<0.5	<0.5	<0.5	<1000	<0.5	<0.5
	Oct-04	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	Jan-05	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	Apr-05	<2.5	<0.5	<0.5	<2.0	<1000	<0.5	<0.5
	Jul-05	<10	<0.5	<0.5	<2.0	<1000	<0.5	<0.5
	Nov-05	<10	<0.5	<0.5	<2.0	<1000	<0.5	<0.5
		Feb-06	<10	<0.5	<0.5	<2.0	<1000	<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	Aug-04	<10	<0.5	<0.5	<0.5	<1000	<0.5	<0.5
	Oct-04	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	Jan-05	<10	<0.5	<0.5	<0.5	<1,000	<0.5	<0.5
	Apr-05	<2.5	<0.5	<0.5	<2.0	<1000	<0.5	<0.5
	Jul-05	<10	<0.5	<0.5	<2.0	<1000	<0.5	<0.5
	Nov-05	<10	<0.5	<0.5	<2.0	<1000	<0.5	<0.5
	Feb-06	<10	<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.

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

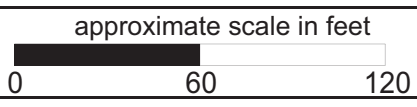
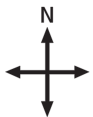
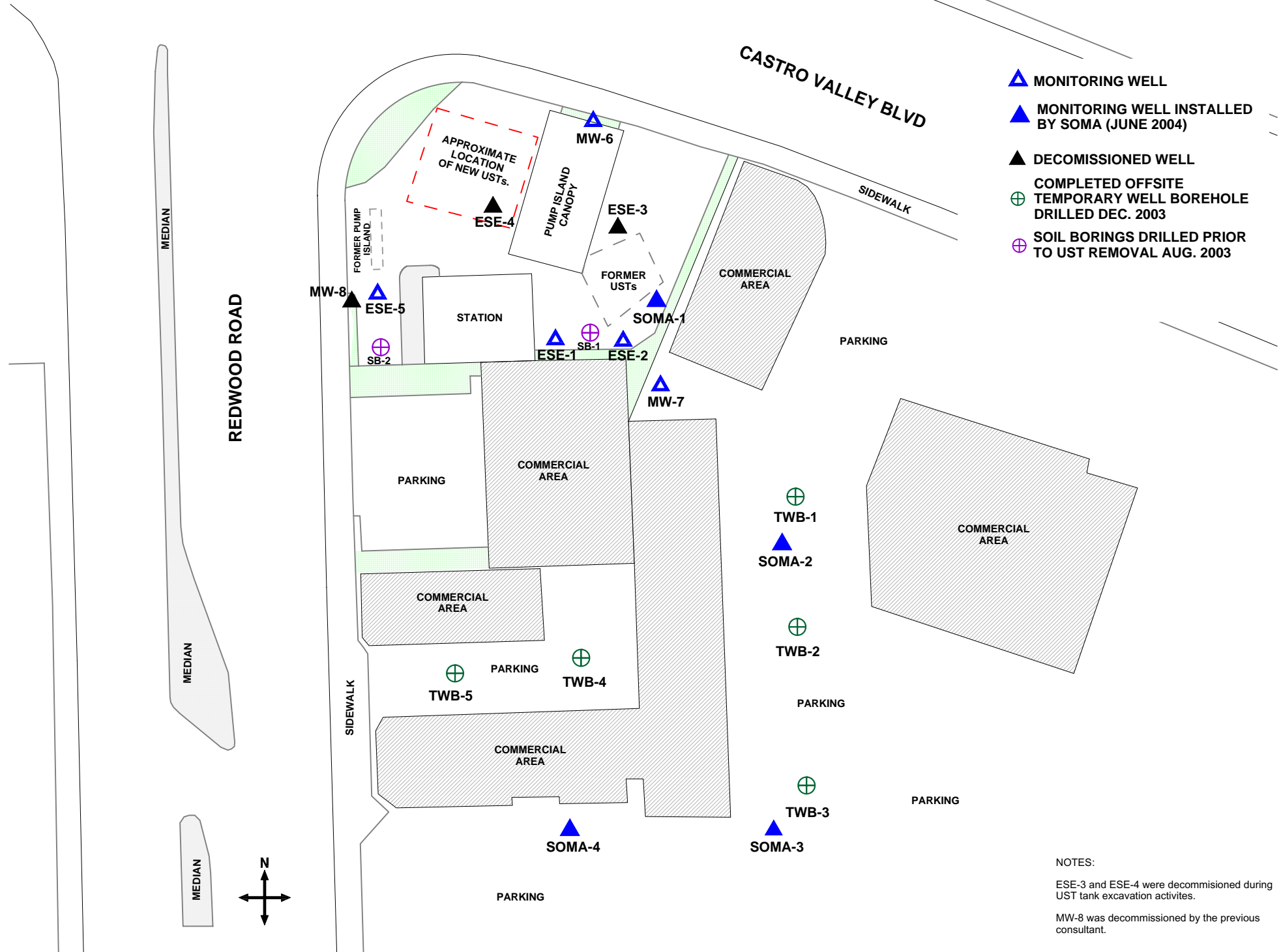


Figure 1: Site vicinity map.



NOTES:
 ESE-3 and ESE-4 were decommissioned during UST tank excavation activities.
 MW-8 was decommissioned by the previous consultant.

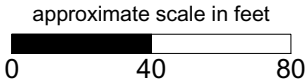


Figure 2: Site map showing locations of existing monitoring wells, decommissioned wells, offsite temporary well boreholes, and monitoring wells installed by SOMA.



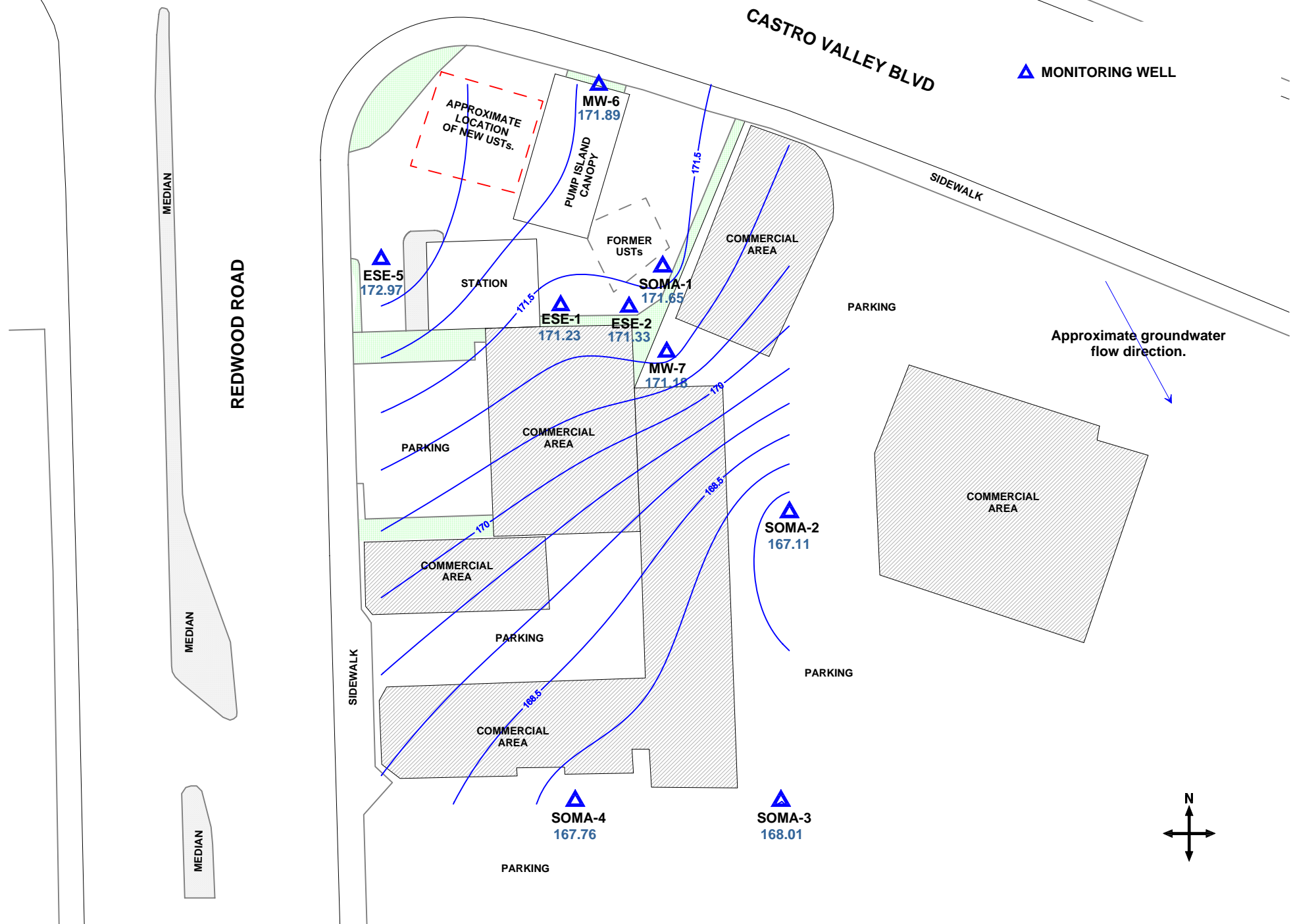
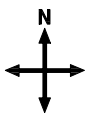
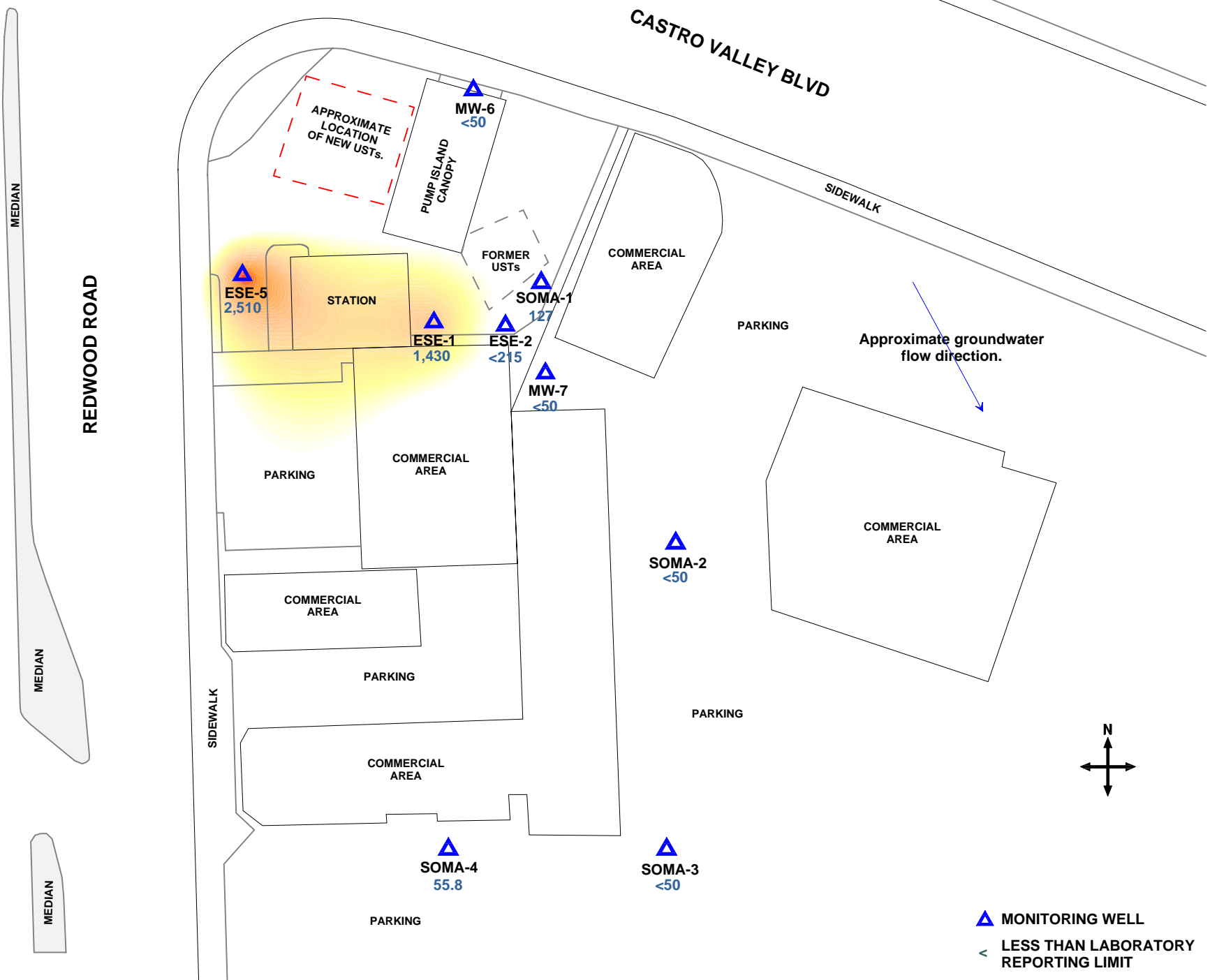
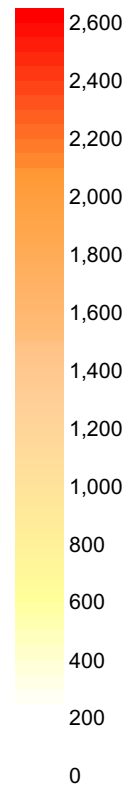


Figure 3: Groundwater elevation contour map in feet. February 2006.

TPH-g
µg/L



▲ MONITORING WELL
< LESS THAN LABORATORY REPORTING LIMIT

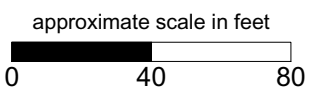


Figure 4: Contour map of TPH-g concentrations in groundwater.
February 2006.



TBA
µg/L

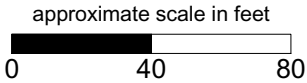
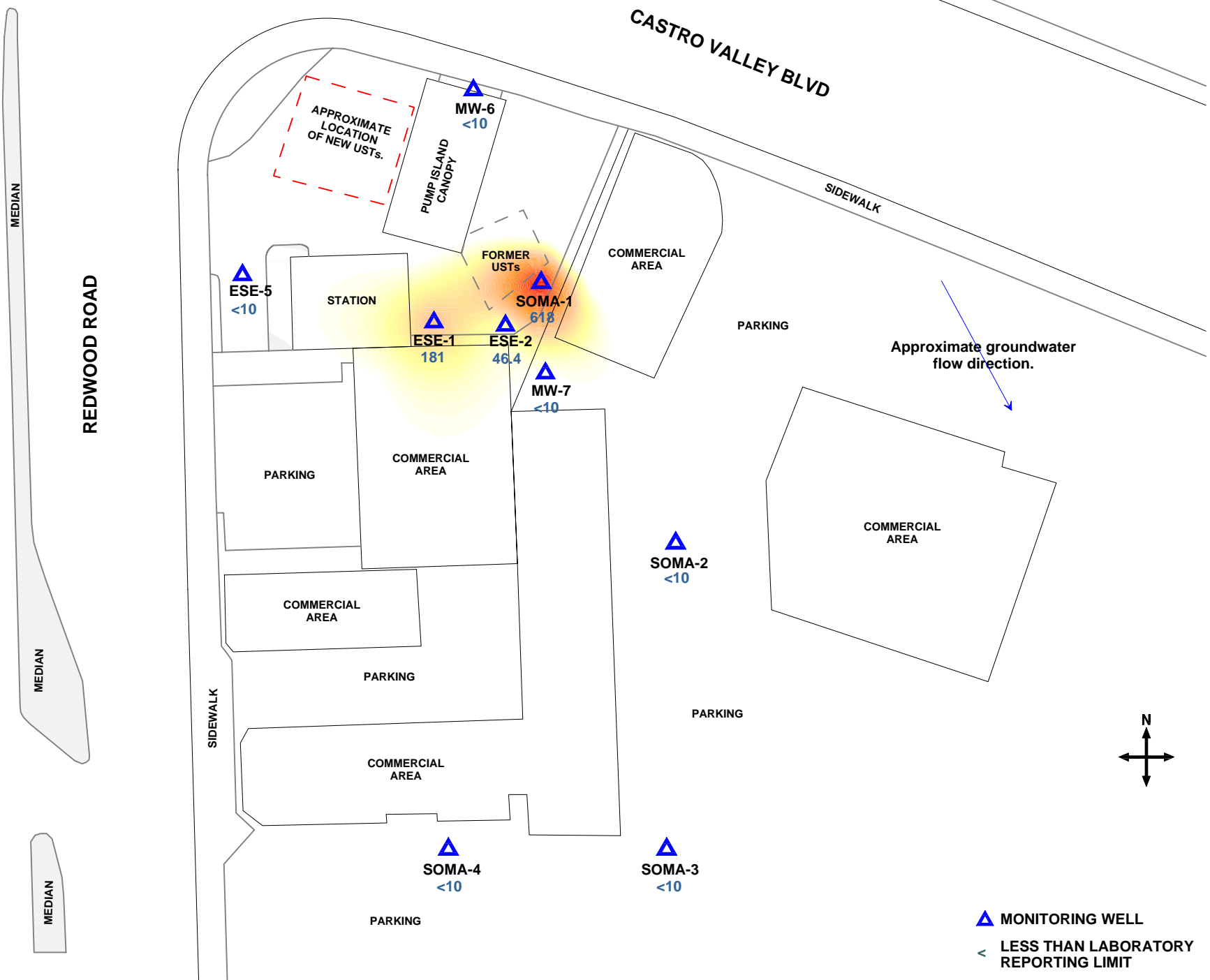
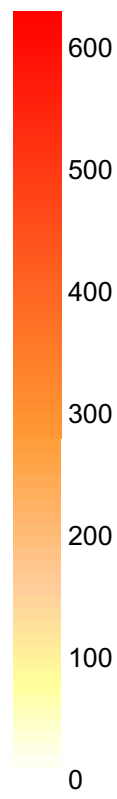


Figure 6: Contour map of TBA concentrations in groundwater. February 2006.

- ▲ MONITORING WELL
- < LESS THAN LABORATORY REPORTING LIMIT



APPENDIX A

SOMA's Groundwater Monitoring Procedures

Field Activities

On February 8, 2006, SOMA's field crew conducted a groundwater monitoring event in accordance with the procedures and guidelines of the ACHCS. During this groundwater monitoring event, five on-site monitoring wells (ESE-1, ESE-2, ESE-5, MW-6, and SOMA-1) and four off-site monitoring wells (MW-7, SOMA-2 to SOMA-4) were monitored. Figure 2 illustrates the locations of the wells.

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.

Appendix B details 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. Once the purging at each location was complete, a groundwater sample was collected. The groundwater samples were transferred into four 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 February 8, 2006, 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 2006

**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

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

**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

**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.



ENVIRONMENTAL ENGINEERING, INC

Well No.: ESC-1
 Casing Diameter: 2 inches
 Depth of Well: 28 feet
 Top of Casing Elevation: 180.24 feet
 Depth to Groundwater: 9.01 feet
 Groundwater Elevation: 171.23 feet
 Water Column Height: 18.99 feet
 Purged Volume: 10 gallons

Project No.: 2761
 Address: 3519 Castro Valley Blvd
 Castro Valley, CA
 Date: February 8, 2006
 Sampler: Tony Perini
 Mehran Nowroozi

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. (us/cm)
2:23 PM	started purging well			
2:25 PM	2.0	6.65	20.00	1220
2:28 PM	6.0	6.63	19.30	1240
2:31 PM	10	6.65	19.20	1290
2:35 PM	sampled			



ENVIRONMENTAL ENGINEERING, INC

Well No.: ESF-2
 Casing Diameter: 2 inches
 Depth of Well: 26.50 feet
 Top of Casing Elevation: 180.79 feet
 Depth to Groundwater: 9.46 feet
 Groundwater Elevation: 171.33 feet
 Water Column Height: 12.04 feet
 Purged Volume: 10 gallons

Project No.: 2761
 Address: 3519 Castro Valley Blvd
 Castro Valley, CA
 Date: February 8, 2006
 Sampler: Tony Perini
 Mehran Nowroozi

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)
2:03 PM	Starts purging well			
2:05 PM	2.0	6.84	19.20	1340
2:08 PM	6.0	6.75	19.10	1300
2:12 PM	10	6.72	19.20	1260
2:15 PM	Samples			



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: 5.83 feet
 Groundwater Elevation: 172.97 feet
 Water Column Height: 17.97 feet
 Purged Volume: 13 gallons

Project No.: 2761
 Address: 3519 Castro Valley Blvd
 Castro Valley, CA
 Date: February 8, 2006
 Sampler: Tony Perini
 Mehran Nowroozi

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)
1:10 PM	starts purging well			
1:12 PM	2.0	6.62	22.50	1440
1:14 PM	6.0	6.79	20.4	1444
1:16 PM	10.0	6.76	20.5	1444
1:20 PM	13	6.75	21	1430
1:22 PM	sampled			



ENVIRONMENTAL ENGINEERING, INC

Well No.: MW-6
 Casing Diameter: 2 inches
 Depth of Well: 30 feet
 Top of Casing Elevation: 181.80 feet
 Depth to Groundwater: 9.91 feet
 Groundwater Elevation: 171.89 feet
 Water Column Height: 20.09 feet
 Purged Volume: 14 gallons

Project No.: 2761
 Address: 3519 Castro Valley Blvd
 Castro Valley, CA
 Date: February 8, 2006
 Sampler: Tony Perini
 Mehran Nowroozi

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. (us/cm)
1:30 PM	started purging well			
1:32 PM	2.0	6.95	19.90	1020
1:35 PM	6.0	6.90	19.30	1010
1:38 PM	10	6.77	19.70	1000
1:42 PM	14	6.78	19.70	980
1:45 PM	Sampled			



Well No.: MW-7
 Casing Diameter: 2 inches
 Depth of Well: 29.38 feet
 Top of Casing Elevation: 179.11 feet
 Depth to Groundwater: 7.93 feet
 Groundwater Elevation: 171.18 feet
 Water Column Height: 21.45 feet
 Purged Volume: 10 gallons

Project No.: 2761
 Address: 3519 Castro Valley Blvd
 Castro Valley, CA
 Date: February 8, 2006
 Sampler: Tony Perini
 Mehran Nowroozi

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. (us/cm)
11 AM	started purging well			
11:01 AM	1.0	7.26	19.10	1160
11:03 AM	3.0	6.66	18.70	980
11:06 AM	7.0	6.50	18.60	990
11:10 AM	10	6.52	18.70	970
11:12 AM	samples			



ENVIRONMENTAL ENGINEERING, INC

Well No.: SCMA-1
 Casing Diameter: 2 inches
 Depth of Well: 29.40 feet
 Top of Casing Elevation: 180.95 feet
 Depth to Groundwater: 9.30 feet
 Groundwater Elevation: 171.65 feet
 Water Column Height: 20.10 feet
 Purged Volume: 10 gallons

Project No.: 2761
 Address: 3519 Castro Valley Blvd
 Castro Valley, CA
 Date: February 8, 2006
 Sampler: Tony Perini
 Mehran Nowroozi

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. (us/cm)
1:49 PM	Started purging well			
1:51 PM	2.0	6.84	20.0	1200
1:54 PM	6.0	6.75	19.70	1180
1:57 PM	10	6.76	19.80	1220
2 PM	sampled			



ENVIRONMENTAL ENGINEERING, INC

Well No.: SOMA-2
 Casing Diameter: 2 inches
 Depth of Well: 14.65 feet
 Top of Casing Elevation: 178.99 feet
 Depth to Groundwater: 11.88 feet
 Groundwater Elevation: 167.11 feet
 Water Column Height: 2.77 feet
 Purged Volume: 2 gallons

Project No.: 2761
 Address: 3519 Castro Valley Blvd
 Castro Valley, CA
 Date: February 8, 2006
 Sampler: Tony Perini
 Mehran Nowroozi

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. (us/cm)
11:55 AM	started purging well			
11:56 AM	1	7.21	19.7	940
11:57 AM	2	7.13	18.8	910
12:00 PM	STOP SAMPLING			



ENVIRONMENTAL ENGINEERING, INC

Well No.: SO00A-3
 Casing Diameter: 2 inches
 Depth of Well: 14.70 feet
 Top of Casing Elevation: 176.81 feet
 Depth to Groundwater: 8.80 feet
 Groundwater Elevation: 168.01 feet
 Water Column Height: 5.90 feet
 Purged Volume: 5 gallons

Project No.: 2761
 Address: 3519 Castro Valley Blvd
 Castro Valley, CA
 Date: February 8, 2006
 Sampler: Tony Perini
 Mehran Nowroozi

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. (us/cm)
11:36 AM	Started purging well			
11:37 AM	1.0	6.99	19.80	1320
11:38 AM	2.5	6.89	19.40	1300
11:40 AM	5	6.87	19.40	1300
11:42 AM	Sampled			



ENVIRONMENTAL ENGINEERING, INC

Well No.: SOMA-4
 Casing Diameter: 2 inches
 Depth of Well: 22.76 feet
 Top of Casing Elevation: 176.94 feet
 Depth to Groundwater: 9.18 feet
 Groundwater Elevation: 167.76 feet
 Water Column Height: 13.52 feet
 Purged Volume: 7 gallons

Project No.: 2761
 Address: 3519 Castro Valley Blvd
 Castro Valley, CA
 Date: February 8, 2006
 Sampler: Tony Perini
 Mehran Nowroozi

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)
11:20 AM	started purging well			
11:22 AM	1.5	6.50	20.80	1120
11:24 AM	3.0	6.47	21.10	1110
11:26 AM	7.0	6.49	21.10	1110
11:30 AM	samples			

Appendix C

Chain of Custody Form and Laboratory Report
for the
First Quarter 2006 monitoring event

21 February 2006

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

RE: 3519 Castro Valley Blvd

Work Order Number: 6020007

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

CHAIN OF CUSTODY

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

PAL
~~C&F~~ LOGIN # 6020007

Analyses

Project No: 2761
 Project Name: 3519 Castro Valley Blvd, Castro Valley
 Turnaround Time: Standard

Sampler: Tony Perini / Mehman
 Report To: Tony Perini
 Company: SOMA Environmental
 Telephone: 925-734-6400
 Fax: 925-734-6401

TPHg, BTEX, MIBE 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																	
			X	X	X																	

Lab No.	Sample ID.	Sampling Date Time	Matrix			# of Containers	Preservative					
			Soil	Water	Waste		HCL	H ₂ SO ₄	HNO ₃	ICE		
	ESE-1	2/8/06 2:35 PM		X		4 VOAS	X			X		
	ESE-2	2:15 PM		X		4 VOAS	X			X		
	ESE-5	1:22 PM		X		4 VOAS	X			X		
	MW-6	1:45 PM		X		4 VOAS	X			X		
	MW-7	11:12 PM		X		4 VOAS	X			X		
	SOMA-1	2 PM		X		4 VOAS	X			X		
	SOMA-2	12 PM		X		4 VOAS	X			X		
	SOMA-3	11:42 AM		X		4 VOAS	X			X		
	SOMA-4	11:30 AM		X		4 VOAS	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> 3:30 PM 2/8/06 DATE/TIME	<u>Mehman</u> 3:31 PM 02-08-06 DATE/TIME
DATE/TIME	DATE/TIME
DATE/TIME	DATE/TIME



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:
21-Feb-06 12:46

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
ESE-1	6020007-01	Water	08-Feb-06 14:35	08-Feb-06 17:05
ESE-2	6020007-02	Water	08-Feb-06 14:15	08-Feb-06 17:05
ESE-5	6020007-03	Water	08-Feb-06 13:22	08-Feb-06 17:05
MW-6	6020007-04	Water	08-Feb-06 13:45	08-Feb-06 17:05
MW-7	6020007-05	Water	08-Feb-06 11:12	08-Feb-06 17:05
SOMA-1	6020007-06	Water	08-Feb-06 14:00	08-Feb-06 17:05
SOMA-2	6020007-07	Water	08-Feb-06 12:00	08-Feb-06 17:05
SOMA-3	6020007-08	Water	08-Feb-06 11:42	08-Feb-06 17:05
SOMA-4	6020007-09	Water	08-Feb-06 11:30	08-Feb-06 17:05



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:
21-Feb-06 12:46

Volatile Organic Compounds by EPA Method 8260B
Pacific Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
ESE-1 (6020007-01RE1) Water Sampled: 08-Feb-06 14:35 Received: 08-Feb-06 17:05									
Gasoline (C6-C12)	1430	215	ug/l	4.3	BB61701	08-Feb-06	17-Feb-06	EPA 8260B	
Benzene	332	2.15	"	"	"	"	"	"	
Ethylbenzene	18.1	2.15	"	"	"	"	"	"	
m&p-Xylene	15.1	4.30	"	"	"	"	"	"	
o-xylene	9.93	2.15	"	"	"	"	"	"	
Toluene	13.6	8.60	"	"	"	"	"	"	
MTBE	43.0	2.15	"	"	"	"	"	"	
DIPE	ND	2.15	"	"	"	"	"	"	
ETBE	ND	2.15	"	"	"	"	"	"	
TAME	ND	8.60	"	"	"	"	"	"	
TBA	181	43.0	"	"	"	"	"	"	
1,2-dichloroethane	ND	2.15	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	2.15	"	"	"	"	"	"	
Ethanol	ND	4300	"	"	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		98.6 %		70-130	"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		101 %		70-130	"	"	"	"	
<i>Surrogate: Perdeuterotoluene</i>		99.2 %		70-130	"	"	"	"	
ESE-2 (6020007-02RE1) Water Sampled: 08-Feb-06 14:15 Received: 08-Feb-06 17:05									
Gasoline (C6-C12)	ND	215	ug/l	4.3	BB61701	08-Feb-06	17-Feb-06	EPA 8260B	
Benzene	ND	2.15	"	"	"	"	"	"	
Ethylbenzene	ND	2.15	"	"	"	"	"	"	
m&p-Xylene	ND	4.30	"	"	"	"	"	"	
o-xylene	ND	2.15	"	"	"	"	"	"	
Toluene	ND	8.60	"	"	"	"	"	"	
MTBE	419	2.15	"	"	"	"	"	"	
DIPE	ND	2.15	"	"	"	"	"	"	
ETBE	ND	2.15	"	"	"	"	"	"	
TAME	11.0	8.60	"	"	"	"	"	"	
TBA	46.4	43.0	"	"	"	"	"	"	
1,2-dichloroethane	ND	2.15	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	2.15	"	"	"	"	"	"	
Ethanol	ND	4300	"	"	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		96.4 %		70-130	"	"	"	"	

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:
21-Feb-06 12:46

Volatile Organic Compounds by EPA Method 8260B

Pacific Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
ESE-2 (6020007-02RE1) Water Sampled: 08-Feb-06 14:15 Received: 08-Feb-06 17:05									
Surrogate: Dibromofluoromethane		102 %	70-130		BB61701	08-Feb-06	17-Feb-06	EPA 8260B	
Surrogate: Perdeuterotoluene		99.8 %	70-130		"	"	"	"	
ESE-5 (6020007-03) Water Sampled: 08-Feb-06 13:22 Received: 08-Feb-06 17:05									
Gasoline (C6-C12)	2510	50.0	ug/l	1	BB61701	08-Feb-06	17-Feb-06	EPA 8260B	
Benzene	1.91	0.500	"	"	"	"	"	"	
Ethylbenzene	2.82	0.500	"	"	"	"	"	"	
m&p-Xylene	ND	1.00	"	"	"	"	"	"	
o-xylene	ND	0.500	"	"	"	"	"	"	
Toluene	ND	2.00	"	"	"	"	"	"	
MTBE	20.7	0.500	"	"	"	"	"	"	
DIPE	ND	0.500	"	"	"	"	"	"	
ETBE	ND	0.500	"	"	"	"	"	"	
TAME	ND	2.00	"	"	"	"	"	"	
TBA	ND	10.0	"	"	"	"	"	"	
1,2-dichloroethane	ND	0.500	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.500	"	"	"	"	"	"	
Ethanol	ND	1000	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		102 %	70-130		"	"	"	"	
Surrogate: Dibromofluoromethane		101 %	70-130		"	"	"	"	
Surrogate: Perdeuterotoluene		101 %	70-130		"	"	"	"	
MW-6 (6020007-04) Water Sampled: 08-Feb-06 13:45 Received: 08-Feb-06 17:05									
Gasoline (C6-C12)	ND	50.0	ug/l	1	BB61701	08-Feb-06	17-Feb-06	EPA 8260B	
Benzene	ND	0.500	"	"	"	"	"	"	
Ethylbenzene	ND	0.500	"	"	"	"	"	"	
m&p-Xylene	ND	1.00	"	"	"	"	"	"	
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	10.0	"	"	"	"	"	"	
1,2-dichloroethane	ND	0.500	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.500	"	"	"	"	"	"	
Ethanol	ND	1000	"	"	"	"	"	"	

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

Reported:
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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
MW-6 (6020007-04) Water Sampled: 08-Feb-06 13:45 Received: 08-Feb-06 17:05									
<i>Surrogate: 4-Bromofluorobenzene</i>		98.6 %	70-130		BB61701	08-Feb-06	17-Feb-06	EPA 8260B	
<i>Surrogate: Dibromofluoromethane</i>		102 %	70-130		"	"	"	"	
<i>Surrogate: Perdeuterotoluene</i>		98.8 %	70-130		"	"	"	"	
MW-7 (6020007-05) Water Sampled: 08-Feb-06 11:12 Received: 08-Feb-06 17:05									
Gasoline (C6-C12)	ND	50.0	ug/l	1	BB61701	08-Feb-06	17-Feb-06	EPA 8260B	
Benzene	ND	0.500	"	"	"	"	"	"	
Ethylbenzene	ND	0.500	"	"	"	"	"	"	
m&p-Xylene	ND	1.00	"	"	"	"	"	"	
o-xylene	ND	0.500	"	"	"	"	"	"	
Toluene	ND	2.00	"	"	"	"	"	"	
MTBE	101	0.500	"	"	"	"	"	"	
DIPE	ND	0.500	"	"	"	"	"	"	
ETBE	ND	0.500	"	"	"	"	"	"	
TAME	2.19	2.00	"	"	"	"	"	"	
TBA	ND	10.0	"	"	"	"	"	"	
1,2-dichloroethane	ND	0.500	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.500	"	"	"	"	"	"	
Ethanol	ND	1000	"	"	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		97.8 %	70-130		"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		102 %	70-130		"	"	"	"	
<i>Surrogate: Perdeuterotoluene</i>		100 %	70-130		"	"	"	"	
SOMA-1 (6020007-06) Water Sampled: 08-Feb-06 14:00 Received: 08-Feb-06 17:05									
Gasoline (C6-C12)	127	50.0	ug/l	1	BB61701	08-Feb-06	17-Feb-06	EPA 8260B	
Benzene	1.56	0.500	"	"	"	"	"	"	
Ethylbenzene	3.23	0.500	"	"	"	"	"	"	
m&p-Xylene	2.15	1.00	"	"	"	"	"	"	
o-xylene	0.970	0.500	"	"	"	"	"	"	
Toluene	ND	2.00	"	"	"	"	"	"	
MTBE	176	0.500	"	"	"	"	"	"	
DIPE	ND	0.500	"	"	"	"	"	"	
ETBE	ND	0.500	"	"	"	"	"	"	
TAME	3.67	2.00	"	"	"	"	"	"	
TBA	618	10.0	"	"	"	"	"	"	
1,2-dichloroethane	ND	0.500	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.500	"	"	"	"	"	"	

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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:
21-Feb-06 12:46

Volatile Organic Compounds by EPA Method 8260B

Pacific Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SOMA-1 (6020007-06) Water Sampled: 08-Feb-06 14:00 Received: 08-Feb-06 17:05									
Ethanol	ND	1000	ug/l	1	BB61701	08-Feb-06	17-Feb-06	EPA 8260B	
<i>Surrogate: 4-Bromofluorobenzene</i>		98.2 %	70-130		"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		102 %	70-130		"	"	"	"	
<i>Surrogate: Perdeuterotoluene</i>		99.4 %	70-130		"	"	"	"	
SOMA-2 (6020007-07) Water Sampled: 08-Feb-06 12:00 Received: 08-Feb-06 17:05									
Gasoline (C6-C12)	ND	50.0	ug/l	1	BB61701	08-Feb-06	17-Feb-06	EPA 8260B	
Benzene	ND	0.500	"	"	"	"	"	"	
Ethylbenzene	ND	0.500	"	"	"	"	"	"	
m&p-Xylene	ND	1.00	"	"	"	"	"	"	
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	10.0	"	"	"	"	"	"	
1,2-dichloroethane	ND	0.500	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.500	"	"	"	"	"	"	
Ethanol	ND	1000	"	"	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		96.4 %	70-130		"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		103 %	70-130		"	"	"	"	
<i>Surrogate: Perdeuterotoluene</i>		99.6 %	70-130		"	"	"	"	
SOMA-3 (6020007-08) Water Sampled: 08-Feb-06 11:42 Received: 08-Feb-06 17:05									
Gasoline (C6-C12)	ND	50.0	ug/l	1	BB61701	08-Feb-06	17-Feb-06	EPA 8260B	
Benzene	ND	0.500	"	"	"	"	"	"	
Ethylbenzene	ND	0.500	"	"	"	"	"	"	
m&p-Xylene	ND	1.00	"	"	"	"	"	"	
o-xylene	ND	0.500	"	"	"	"	"	"	
Toluene	ND	2.00	"	"	"	"	"	"	
MTBE	7.16	0.500	"	"	"	"	"	"	
DIPE	ND	0.500	"	"	"	"	"	"	
ETBE	ND	0.500	"	"	"	"	"	"	
TAME	ND	2.00	"	"	"	"	"	"	
TBA	ND	10.0	"	"	"	"	"	"	
1,2-dichloroethane	ND	0.500	"	"	"	"	"	"	

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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: 21-Feb-06 12:46
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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-3 (6020007-08) Water Sampled: 08-Feb-06 11:42 Received: 08-Feb-06 17:05									
1,2-Dibromoethane (EDB)	ND	0.500	ug/l	1	BB61701	08-Feb-06	17-Feb-06	EPA 8260B	
Ethanol	ND	1000	"	"	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		96.4 %	70-130		"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		102 %	70-130		"	"	"	"	
<i>Surrogate: Perdeuterotoluene</i>		99.4 %	70-130		"	"	"	"	
SOMA-4 (6020007-09) Water Sampled: 08-Feb-06 11:30 Received: 08-Feb-06 17:05									
Gasoline (C6-C12)	55.8	50.0	ug/l	1	BB61701	08-Feb-06	17-Feb-06	EPA 8260B	
Benzene	ND	0.500	"	"	"	"	"	"	
Ethylbenzene	0.850	0.500	"	"	"	"	"	"	
m&p-Xylene	ND	1.00	"	"	"	"	"	"	
o-xylene	ND	0.500	"	"	"	"	"	"	
Toluene	ND	2.00	"	"	"	"	"	"	
MTBE	10.4	0.500	"	"	"	"	"	"	
DIPE	ND	0.500	"	"	"	"	"	"	
ETBE	ND	0.500	"	"	"	"	"	"	
TAME	ND	2.00	"	"	"	"	"	"	
TBA	ND	10.0	"	"	"	"	"	"	
1,2-dichloroethane	ND	0.500	"	"	"	"	"	"	
1,2-Dibromoethane (EDB)	ND	0.500	"	"	"	"	"	"	
Ethanol	ND	1000	"	"	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		96.6 %	70-130		"	"	"	"	
<i>Surrogate: Dibromofluoromethane</i>		103 %	70-130		"	"	"	"	
<i>Surrogate: Perdeuterotoluene</i>		99.2 %	70-130		"	"	"	"	



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:
21-Feb-06 12:46

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 BB61701 - EPA 5030 Water MS

Blank (BB61701-BLK1)

Prepared & Analyzed: 17-Feb-06

Surrogate: 4-Bromofluorobenzene	49.2		ug/l	50.0		98.4	70-130			
Surrogate: Dibromofluoromethane	50.7		"	50.0		101	70-130			
Surrogate: Perdeuterotoluene	50.2		"	50.0		100	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	10.0	"							
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	1.00	"							
o-xylene	ND	0.500	"							
Toluene	ND	2.00	"							

LCS (BB61701-BS1)

Prepared & Analyzed: 17-Feb-06

Surrogate: 4-Bromofluorobenzene	48.6		ug/l	50.0		97.2	70-130			
Surrogate: Dibromofluoromethane	46.3		"	50.0		92.6	70-130			
Surrogate: Perdeuterotoluene	46.2		"	50.0		92.4	70-130			
MTBE	110	0.500	"	100		110	70-130			
ETBE	99.4	0.500	"	100		99.4	70-130			
TAME	93.4	2.00	"	100		93.4	70-130			
Gasoline (C6-C12)	2300	50.0	"	2000		115	70-130			
TBA	421	10.0	"	500		84.2	70-130			
Benzene	100	0.500	"	100		100	70-130			
Toluene	97.9	2.00	"	100		97.9	70-130			



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 6620 Owens Drive, Suite A
 Pleasanton CA, 94588

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Reported:
 21-Feb-06 12:46

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 BB61701 - EPA 5030 Water MS

LCS Dup (BB61701-BSD1)

Prepared & Analyzed: 17-Feb-06

Surrogate: 4-Bromofluorobenzene	48.1		ug/l	50.0		96.2	70-130			
Surrogate: Dibromofluoromethane	47.6		"	50.0		95.2	70-130			
Surrogate: Perdeuterotoluene	46.8		"	50.0		93.6	70-130			
MTBE	113	0.500	"	100		113	70-130	2.69	20	
ETBE	100	0.500	"	100		100	70-130	0.602	20	
TAME	95.9	2.00	"	100		95.9	70-130	2.64	20	
TBA	422	10.0	"	500		84.4	70-130	0.237	20	
Gasoline (C6-C12)	2160	50.0	"	2000		108	70-130	6.28	20	
Benzene	105	0.500	"	100		105	70-130	4.88	20	
Toluene	102	2.00	"	100		102	70-130	4.10	20	



SOMA Environmental Engineering Inc.
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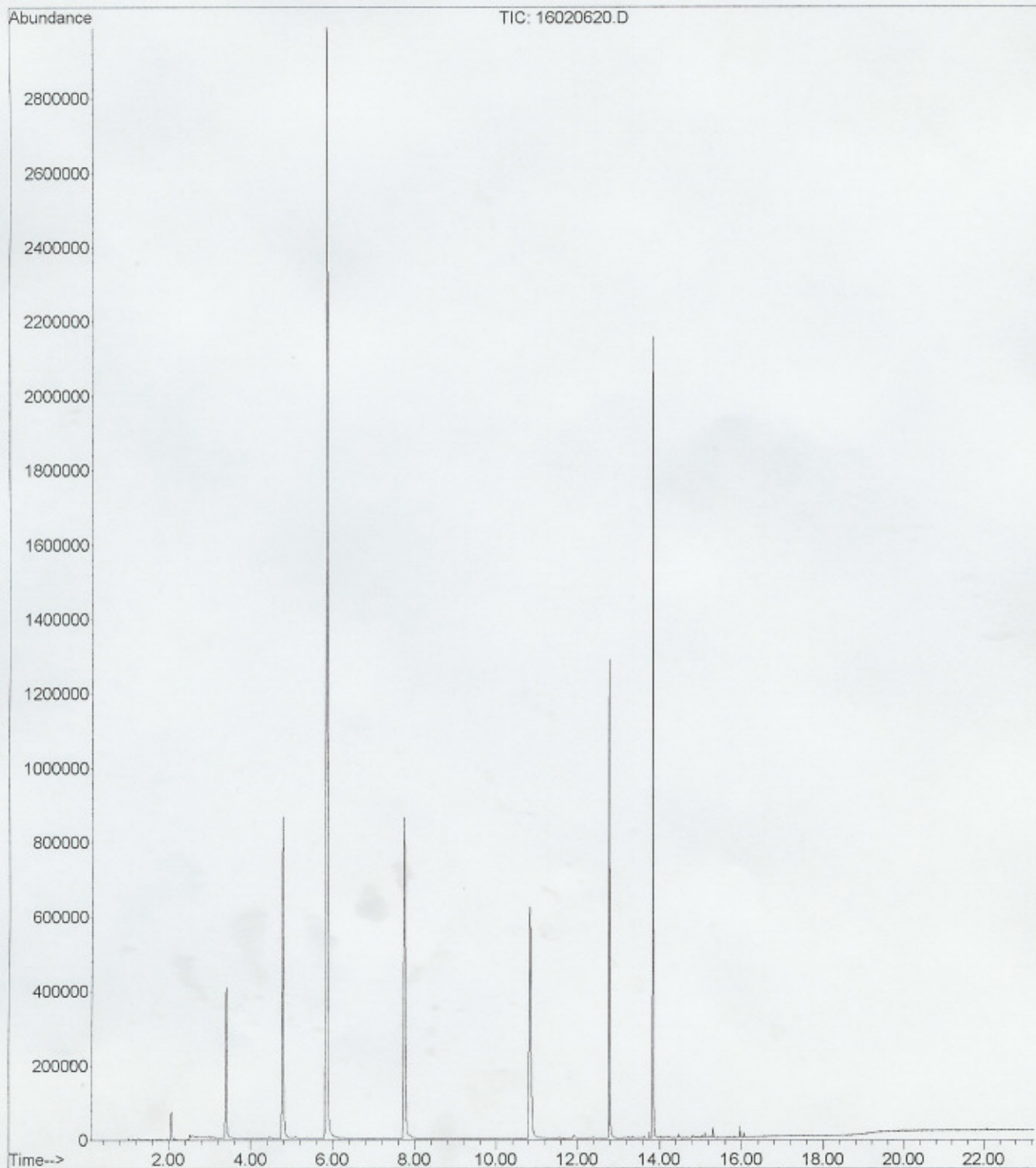
Project: 3519 Castro Valley Blvd
Project Number: 2761
Project Manager: Mansour Sepehr

Reported:
21-Feb-06 12:46

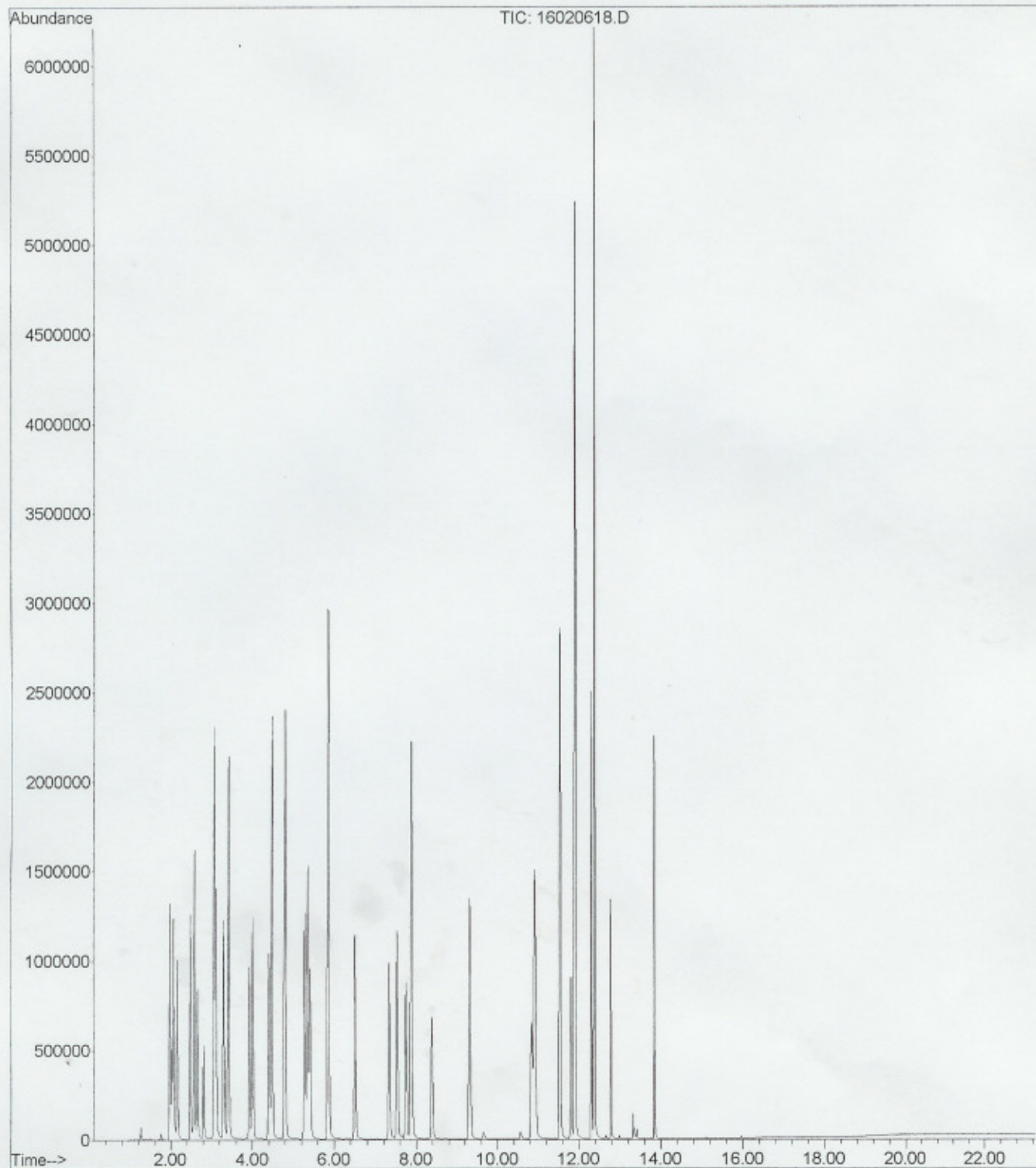
Notes and Definitions

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

File :C:\MSDChem\1\DATA\2006-Feb-16-1123.b\16020620.D
Operator :
Acquired : 16 Feb 2006 9:46 pm using AcqMethod OXY21506.M
Instrument : PAL GCMS
Sample Name: BB61701-BLK1
Misc Info :
Vial Number: 20



File :C:\MSDChem\1\DATA\2006-Feb-16-1123.b\16020618.D
Operator :
Acquired : 16 Feb 2006 8:43 pm using AcqMethod OXY21506.M
Instrument : PAL GCMS
Sample Name: BB61701-BS1@voc
Misc Info :
Vial Number: 18



File :C:\MSDChem\1\DATA\2006-Feb-16-1123.b\16020619.D
Operator :
Acquired : 16 Feb 2006 9:15 pm using AcqMethod OXY21506.M
Instrument : PAL GCMS
Sample Name: BB61701-BS1@gas
Misc Info :
Vial Number: 19

