

RECEIVED

8:23 am, Jan 17, 2012

Alameda County
Environmental Health



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

January 13, 2012

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

Subject: Freedom Food and Gas (Formerly Freedom ARCO Mini-Mart)
Site Address: 15101 Freedom Avenue, San Leandro, California
STID 4473/RO0000473

Dear Mr. Khatri:

SOMA's "Fourth Quarter 2011 Groundwater Monitoring and Remediation Progress 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. Please do not hesitate to call me at (925) 734-6400, if you have questions or comments.

Sincerely,

A handwritten signature in blue ink, appearing to read 'Mansour Sepehr', is written over a light blue horizontal line.

Mansour Sepehr, Ph.D., PE
Principal Hydrogeologist

cc: Mr. Mohammad Pazdel w/report enclosure



**Fourth Quarter 2011
Groundwater Monitoring and
Remediation Progress Report**

**Freedom Food and Gas
15101 Freedom Avenue
San Leandro, California**

January 13, 2012

Project 2551/2555

Prepared for

**Mr. Mohammad Pazdel
1770 Pistacia Court
Fairfield, California**




ENVIRONMENTAL ENGINEERING, INC.

6620 Owens Drive Suite A Pleasanton CA 94588 Ph: 925.734.6400 F: 925.734-6401 www.somaenv.com

PERJURY STATEMENT

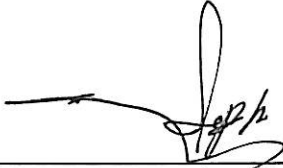
Site Location: 15101 Freedom Avenue, San Leandro, California

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


Mohammad Pazdel
1770 Pistacia Court
Fairfield, California 94533
Responsible Party

CERTIFICATION

SOMA Environmental Engineering, Inc. has prepared this report on behalf of the responsible party, Mr. Mohammad Pazdel, for property located at 15101 Freedom Avenue, San Leandro, California, to comply with Alameda County Health Care Services requirements for the Fourth Quarter 2011 groundwater monitoring event.



Mansour Sepehr, PhD, PE
Principal Hydrogeologist



TABLE OF CONTENTS

CERTIFICATION	i
TABLE OF CONTENTS.....	ii
LIST OF FIGURES	iii
LIST OF TABLES.....	iii
LIST OF APPENDICES	iv
1. INTRODUCTION	1
1.1 Field Activities.....	1
1.2 Laboratory Analysis	2
2. RESULTS	2
2.1 Field Measurements, First WBZ Wells.....	2
2.2 Laboratory Analysis, First WBZ Wells.....	3
2.3 Field Measurements, Second WBZ Wells	4
2.4 Laboratory Analysis for Second WBZ Wells	5
3. OPERATION OF TREATMENT SYSTEM	5
4. MULTI-PHASE EXTRACTION EVENTS	6
5. CONCLUSIONS AND RECOMMENDATIONS.....	6
6. REPORT LIMITATIONS	7

LIST OF FIGURES

- Figure 1: Site vicinity map
- Figure 2: Site map showing locations of groundwater monitoring wells, soil borings, and extraction wells
- Figure 3: Groundwater elevation contour map in feet, First WBZ
December 1, 2011
- Figure 4: Contour map of TPH-g concentrations in groundwater, First WBZ
December 1 and 2, 2011
- Figure 5: Contour map of benzene concentrations in groundwater, First WBZ
December 1 and 2, 2011
- Figure 6: Contour map of MtBE concentrations in groundwater, First WBZ,
December 1 and 2, 2011
- Figure 7: Contour map of TBA concentrations in groundwater, First WBZ
December 1 and 2, 2011
- Figure 8: Contour map of TAME concentrations in groundwater, First WBZ
December 1 and 2, 2011
- Figure 9: Map of ETBE concentrations in groundwater, First WBZ, December
1 and 2, 2011
- Figure 10: Groundwater elevation contour map in feet, Second WBZ
December 1, 2011
- Figure 11: Map showing concentrations of MtBE and TAME in groundwater,
Second WBZ. December 1 and 2, 2011
- Figure 12: Schematic diagram of groundwater remediation system
- Figure 13: Cumulative mass of VOCs removed

LIST OF TABLES

- Table 1: Historical Groundwater Elevation Data and Analytical Results
- Table 2: Historical Gasoline Oxygenates Results
- Table 3: Effluent Chemical Analytical Results and Operational History of
Remediation System
- Table 4: Cumulative Masses of Petroleum Hydrocarbons Removed from the
Groundwater Since Installation of the Treatment System

LIST OF APPENDICES

- Appendix A: Standard Operating Procedures for Conducting Groundwater Monitoring Activities
- Appendix B: Table of Elevations and Coordinates on Monitoring Wells and Field Measurements of Physical, Chemical, and Natural Attenuation Parameters of Groundwater Samples
- Appendix C: Laboratory Report and Chain of Custody Form for the Fourth Quarter 2011 Monitoring Event
- Appendix D: Laboratory Report and Chain of Custody Form for the Treatment System

1. INTRODUCTION

SOMA Environmental Engineering, Inc. (SOMA) has prepared this report on behalf of the responsible party, Mr. Mohammad Pazdel, for property located at 15101 Freedom Avenue, San Leandro, California. The site is located in an area of primarily residential properties and adjacent commercial areas (Figure 1). The property was formerly owned by Mr. Mohammad Pazdel. In late 2009, the property was sold to DDH, LLC, Assignee and in early 2010 it was sold to Mr. Mohammad Mashhoon. Under the new management, the site is currently operational with the business name of "Freedom Food and Gas" formerly "Freedom Arco Mini-Mart".

This report summarizes results of the Fourth Quarter 2011 groundwater monitoring event conducted on December 1 and 2, 2011. It includes physical and chemical properties measured in the field and laboratory analysis results for each groundwater sample. It also presents the remediation progress report for Fourth Quarter 2011, which includes operation of a groundwater extraction and treatment system. During this reporting period, no multi-phase extraction (MPE) events were conducted.

1.1 Field Activities

In December 2011, SOMA's field crew conducted a groundwater monitoring event in accordance with procedures and guidelines of Alameda County Health Care Services Environmental Health Department (ACEH) and the California Regional Water Quality Control Board (CRWQCB). Figure 2 shows well locations.

On December 1, 2011, the following wells were measured for depth to groundwater: five on-site monitoring wells (MW-1 to MW-5) and two off-site wells (MW-6 and MW-7) in the First water-bearing zone (WBZ); two extraction wells (EX-1 and EX-2), two MPE wells (MPE-1 and MPE-2), and three on-site monitoring wells (MW-1D, MW-3D, and MW-4D) in the Second WBZ. On December 1 and 2, 2011, additional field measurements and groundwater samples were collected from all monitoring and MPE wells, except from MW-6 where free product (FP) was observed. Grab groundwater samples were also collected from the two extraction wells. Properties measured include pH, temperature, and electrical conductivity (EC). A natural attenuation study was conducted during this event to determine whether petroleum hydrocarbons in groundwater are biodegrading. Dissolved oxygen (DO) and oxidation reduction potential (ORP) measurements were taken for all monitoring wells.

1.2 Laboratory Analysis

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

2. RESULTS

Following are results of field measurements and laboratory analysis for the December 2011 groundwater monitoring event.

2.1 Field Measurements, First WBZ Wells

Table 1 presents calculated groundwater elevations and depths to groundwater for each monitoring well. Depths to groundwater ranged from 13.59 feet in MW-7 to 21.97 feet in MW-1. 0.02 feet of FP was observed at MW-6. Depth corrected to reflect the presence of FP in this well is detailed below.*

*Corrected Depth of MW-6: During monitoring, 0.02 feet of FP was observed in MW-6. Depth to groundwater and the corresponding groundwater elevation were corrected for product thickness. Specific gravity of gas at 20°C, which is based on the average density of gas of 0.68 (g/cm³) at 20°C and the density of water at 1 (g/cm³), is approximately 0.68. This resulted in a 0.0136-foot correction factor from the actual measured groundwater column at well MW-6. The above correction factor was based on the specific gravity of gas multiplied by the FP thickness. The correction factor, which accounted for the FP layer, was subtracted from the actual measured depth to water. This caused the corrected groundwater elevation to be slightly higher than the field measured value. Values reflecting the correction for product thickness are shown in Table 1.

Corresponding groundwater elevations ranged from 29.66 feet in MW-6 to 32.49 feet in MW-1. Groundwater elevations at extraction wells EX-1 and EX-2 were 31.26 feet and 23.36 feet, respectively.

Figure 3 displays the contour map of groundwater elevations. As illustrated, groundwater flows southwesterly toward extraction well EX-2, at a gradient of 0.12 feet/feet. The groundwater flow direction remained similar to the previous monitoring event (Third Quarter 2011) while the gradient increased.

Upon equalization with the surrounding aquifer at each well location, when the purge cycle was terminated, DO concentrations in the First WBZ ranged from 1.03 mg/L in MW-4 to 1.77 mg/L in MW-3. ORP showed negative redox

potentials in all First WBZ monitoring wells. Negative redox potentials indicate that contaminants in groundwater are conducive to anaerobic biodegradation.

Field measurements taken during this monitoring event are included in Appendix B (Table A).

2.2 Laboratory Analysis, First WBZ Wells

Appendix C includes the laboratory report and chain-of-custody form for this monitoring event.

Table 1 presents TPH-g, BTEX, and MtBE analysis results for the current and historical groundwater monitoring events. Note that due to the presence of FP, MW-6 could not be sampled and hence no comparisons can be made for this well.

TPH-g concentrations ranged from 780 µg/L in EX-1 to 56,000 µg/L in MPE-1. Since the previous monitoring event (Third Quarter 2011), TPH-g decreased in MW-1, MW-2, MW-3, MW-4, MPE-1 and MPE-2, and increased in all other tested First WBZ wells, most significantly in EX-1 and EX-2.

Figure 4 displays the contour map of TPH-g concentrations in groundwater. As illustrated, the highest TPH-g impact is in the southern portion of the site and in the vicinity of the dispenser islands around MPE extraction well MPE-1.

The following BTEX concentrations were observed:

- In MW-2 and MW-7, benzene and toluene were below laboratory-reporting limits and ethylbenzene and total xylenes were at low levels.
- Toluene was also below laboratory-reporting limit in MW-1 and MW-4.
- The highest BTEX concentrations were detected in MPE-1 at 9,000 µg/L, 7,700 µg/L, 2,200 µg/L, and 10,800 µg/L, respectively.

Figure 5 displays the contour map of benzene concentrations in groundwater. The highest benzene impact is in the southern portion of the site and in the vicinity of the dispenser islands around MPE extraction well MPE-1. Since the previous monitoring event (Third Quarter 2011), benzene has increased in MW-4, EX-1, EX-2, and MPE-1 and decreased in MW-1, MW-3, MW-5, and MPE-2.

MtBE was below the laboratory-reporting limit in MW-1, MW-2, MW-3, EX-2, and MPE-2. Detectable MtBE concentrations ranged from 13 µg/L in MW-7 to 2,600 µg/L in MPE-1. Figure 6 displays the contour map of MtBE concentrations in groundwater. The highest MtBE impact is in the southern portion of the site and in the vicinity of the dispenser islands around MPE extraction well MPE-1. Since

the previous monitoring event (Third Quarter 2011), MtBE has increased in MW-4, MW-5, MW-7, EX-1, and MPE-1 and decreased in MW-3 and EX-2.

As shown in Table 1, TPH-g, BTEX, and MtBE decreased in the more impacted well MW-3, since the previous monitoring event (Third Quarter 2011) and have shown a declining trend since October 2008 except benzene which has been fluctuating.

Table 2 shows analysis results for gasoline oxygenate and lead scavenger concentrations for the current as well as historical events.

The following gasoline oxygenate and lead scavenger concentrations were observed:

- In MW-2, MW-3, and MPE-2, all gasoline oxygenates and lead scavengers were below laboratory-reporting limits.
- Detectable tertiary-butyl alcohol (TBA) concentrations ranged from 15 µg/L in MW-7 to 1,200 µg/L in EX-1.

Figure 7 shows the contour map of TBA concentrations in groundwater. The highest TBA impact was in the vicinity of extraction well EX-1.

- Methyl tertiary-amyl ether (TAME) was detected in MW-4, MW-5, MW-7, EX-1, and MPE-1 at 8.2 µg/L, 14 µg/L, 2.4 µg/L, 6.8 µg/L, and 750 µg/L, respectively and was below the laboratory-reporting limit in remaining wells. Figure 8 displays the contour map of TAME concentrations in First WBZ wells.
- Ethyl tertiary-butyl ether (ETBE) was detected in MW-4 and EX-1 at 5.4 µg/L and 8.3 µg/L, respectively and were below laboratory-reporting limits in remaining wells. Figure 9 displays the map of ETBE concentrations in First WBZ wells
- Isopropyl ether (DIPE), 1,2-dichloroethane (1,2-DCA), 1,2-dibromoethane (EDB), and ethanol concentrations were below laboratory-reporting limits in all groundwater samples. Analysis results for ethanol are shown in Appendix C.

2.3 Field Measurements, Second WBZ Wells

Table 1 presents calculated groundwater elevations and depths to groundwater for each Second WBZ monitoring well. Depths to groundwater ranged from 21.19 feet in MW-4D to 22.86 feet in MW-3D. Corresponding groundwater elevations ranged from 31.24 feet in MW-3D to 32.16 feet in MW-1D.

Figure 10 displays the contour map of groundwater elevations in the Second WBZ. Groundwater flows southeasterly as compared to southwesterly during the

previous monitoring event (Third Quarter 2011), at a gradient of 0.017 feet/feet. The groundwater gradient increased since the previous monitoring event.

Upon equalization with the surrounding aquifer at each well location, when the purge cycle was terminated, DO concentrations in the Second WBZ ranged from 1.87 mg/L in MW-3D to 2.20 mg/L in MW-4D. ORP showed negative potentials in all second WBZ wells. Negative redox potentials indicate that contaminants in groundwater are conducive to anaerobic biodegradation.

Field measurements taken during this monitoring event are included in Appendix B.

2.4 Laboratory Analysis for Second WBZ Wells

Appendix C includes the laboratory report and chain-of-custody form for this monitoring event.

Table 1 presents TPH-g, BTEX, and MtBE analysis results for the current and historical groundwater monitoring events.

TPH-g and BTEX were below laboratory-reporting limits in all second WBZ wells. Since the previous monitoring event (Third Quarter 2011), TPH-g and total xylenes have decreased in all Second WBZ wells and ethylbenzene has decreased in MW-1D.

MtBE concentrations were below the laboratory-reporting limit in MW-1D and were detected in MW-3D and MW-4D at 10 µg/L and 4.2 µg/L, respectively. Since the previous monitoring event (Third Quarter 2011), MtBE has slightly increased in both wells. Figure 11 shows the map of MtBE concentrations in Second WBZ.

Table 2 shows analysis results for gasoline oxygenate and lead scavenger concentrations for the current as well as historical events.

All gasoline oxygenate, lead scavenger, and ethanol concentrations were below laboratory-reporting limits in Second WBZ wells, except for TAME detected at a low level in MW-3D. Figure 11 displays a map of TAME concentrations in Second WBZ wells.

3. OPERATION OF TREATMENT SYSTEM

SOMA installed a groundwater treatment system at the site in December 2009. The system includes two extraction wells (EX-1 and EX-2), trenching containing influent and effluent lines and electrical conduits, and the treatment system compound. During system operation, extracted groundwater is pumped from

extraction wells through underground piping to a fenced treatment compound, adjacent to the existing service station building.

In the treatment compound, groundwater is treated using granular activated carbon (GAC) and subsequently discharged to the sanitary sewer. Two GAC vessels are connected in series. The first unit (1,000 gallons) serves as the primary treatment unit, and the second (55 gallons) provides an additional safety buffer prior to discharge. Effectiveness of the GAC units is monitored by collection and analysis of samples from the system discharge, including a sample collected from water that has passed only through the first GAC unit. When analytical results indicate that the first GAC unit is no longer effectively treating groundwater, the vessel will be removed from the treatment line and refurbished with new carbon.

The treatment system operates under discharge permit issued by Oro Loma Sanitary District (OLSD) in May 2009. This discharge permit was renewed in May 2010. Treated groundwater has been discharging to the OLSD sewer since December 9, 2009. Figure 12 shows the schematic diagram of the groundwater treatment system. Treatment system effluent is sampled monthly to comply with OLSD discharge permit requirements. Table 3 includes analytical results and operational history of the treatment system. As shown in Table 4, as of October 27, 2011, cumulative masses of TPH-g and BTEX extracted from groundwater were approximately 18 pounds, 0.78 pounds, 0.21 pounds, 0.37 pounds, and 2.71 pounds, respectively. Appendix D includes laboratory analytical results. Since the system began discharging, approximately 1,711,363 gallons of groundwater have been treated and discharged at the site (as of December 22, 2011).

4. MULTI-PHASE EXTRACTION EVENTS

No MPE events were performed during Fourth Quarter 2011. The overall estimated total mass of VOCs extracted by previous MPE events is 806 pounds. This includes the following: 106 pounds, November 2007 pilot test; 243 pounds, October 2009 event; 72 pounds, November 2009 event; 97 pounds, December 2009 event; 17 pounds, February 2010 event; 11 pounds, March 2010 event; 30 pounds, June 2010 event; 30 pounds, August 2010 event; 79 pounds, October 2010 event; 27 pounds, April 2011 event; and 94 pounds, August 2011 event. Figure 13 shows the cumulative mass of VOCs removed in pounds.

5. CONCLUSIONS AND RECOMMENDATIONS

Fourth Quarter 2011 groundwater monitoring and previous MPE events results are summarized below.

- Groundwater flows southwesterly across the site in the First WBZ toward EX-2 and southeasterly in the Second WBZ.
- The highest hydrocarbon concentrations were observed in the southern portion of the site and in the vicinity of the dispenser islands around MPE extraction well MPE-1. FP was observed at off-site well MW-6.
- Since the previous quarterly monitoring event (Third Quarter 2011), TPH-g concentrations decreased in MW-1, MW-2, MW-3, MW-4, MPE-1, and MPE-2 and increased in all other tested First WBZ wells, most significantly in EX-1 and EX-2.
- In the Second WBZ, TPH-g and BTEX were below laboratory-reporting limits, and MtBE was below laboratory-reporting limit in MW-1D. Since the previous monitoring event (Third Quarter 2011), MtBE increased slightly in MW-3D and MW-4D.
- MPE events conducted since November 2007 have removed an estimated 806 pounds of VOCs.

Based on results of this monitoring event and previous MPE events, SOMA recommends the following action items:

- Continue quarterly groundwater monitoring to increase understanding of seasonal variations in groundwater quality conditions.

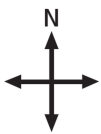
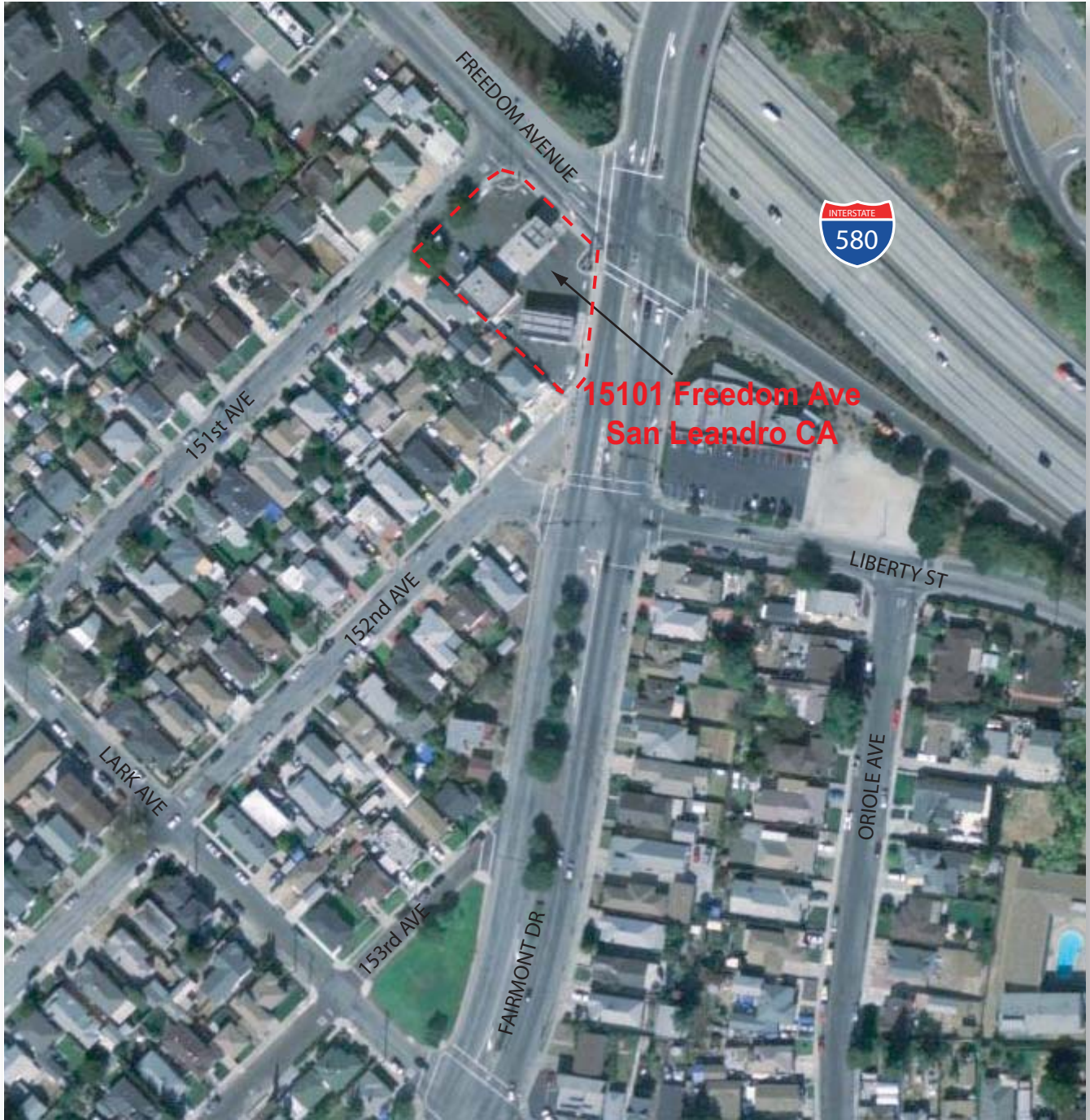
Other ongoing activities: SOMA has recently submitted a site evaluation workplan, based on ACEH directive dated September 21, 2011, which discusses construction of extraction well MW-6 and its probable radius of influence (under pumping conditions). The workplan will be implemented upon receipt of written authorization from ACEH.

6. REPORT LIMITATIONS

This report is the summary of work done by SOMA, including observations and descriptions of site conditions. It includes analysis results produced by Torrent Laboratory, Inc. for the current groundwater monitoring event. Quantities and locations of wells were selected to provide the required information, but may not be representative of entire site conditions. All conclusions and recommendations are based on laboratory analysis results. Conclusions beyond those specifically stated in this document should not be inferred from this report.

SOMA warrants that services were provided in accordance with generally accepted practices in the environmental engineering and consulting field at the time of this sampling.

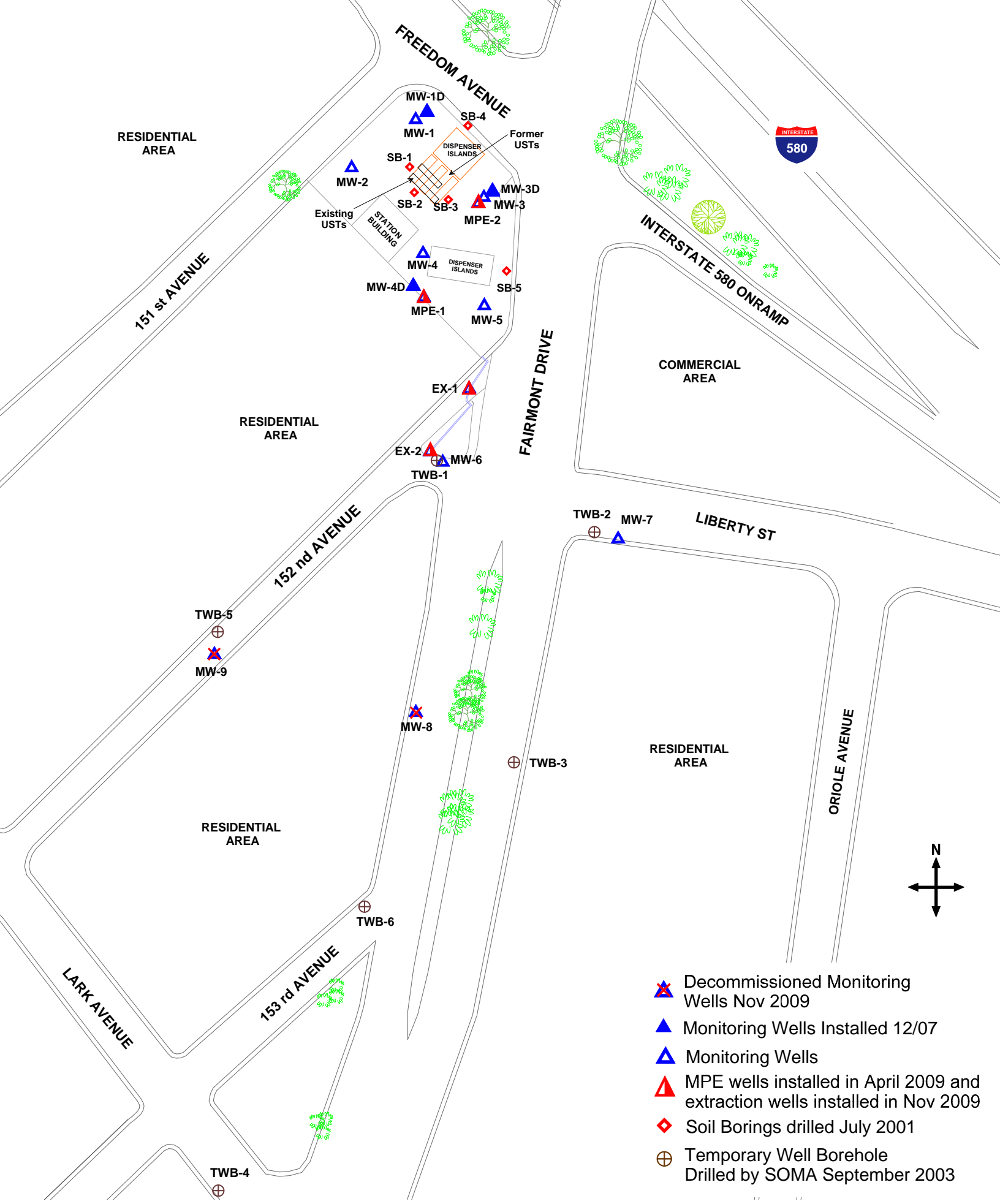
Figures









approximate scale in feet



Figure 1: Site vicinity map.



-  Decommissioned Monitoring Wells Nov 2009
-  Monitoring Wells Installed 12/07
-  Monitoring Wells
-  MPE wells installed in April 2009 and extraction wells installed in Nov 2009
-  Soil Borings drilled July 2001
-  Temporary Well Borehole Drilled by SOMA September 2003

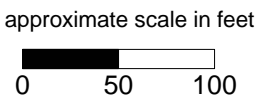
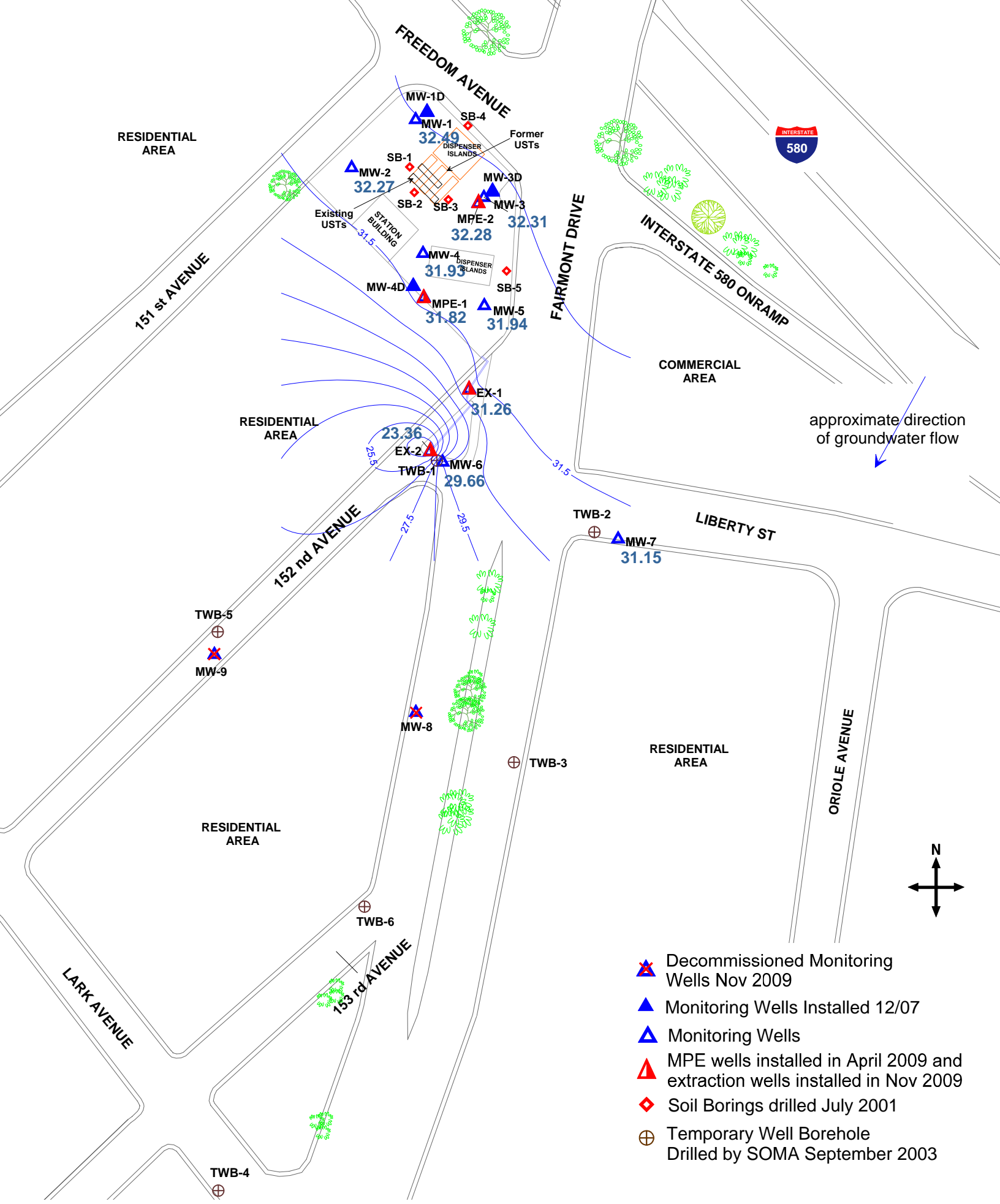


Figure 2: Site map showing locations of groundwater monitoring wells, soil borings, and extraction wells.

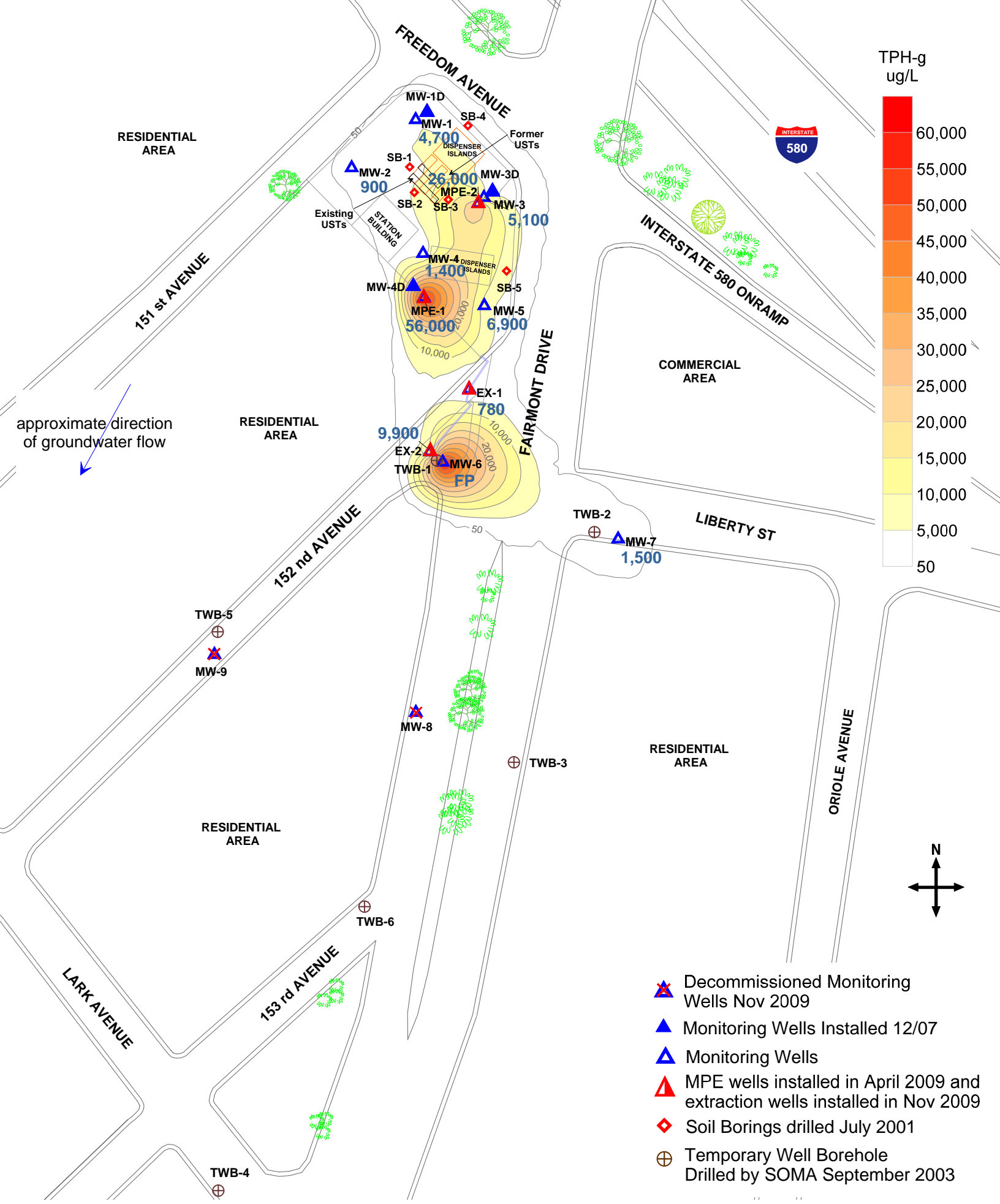


- Decommissioned Monitoring Wells Nov 2009
- Monitoring Wells Installed 12/07
- Monitoring Wells
- MPE wells installed in April 2009 and extraction wells installed in Nov 2009
- Soil Borings drilled July 2001
- Temporary Well Borehole Drilled by SOMA September 2003

approximate scale in feet
 0 50 100

Figure 3: Groundwater Elevation Contour Map in Feet, First WBZ
 December 1, 2011





approximate scale in feet
0 50 100

Figure 4: Contour Map of TPH-g Concentrations in Groundwater, First WBZ, December 1 and 2, 2011



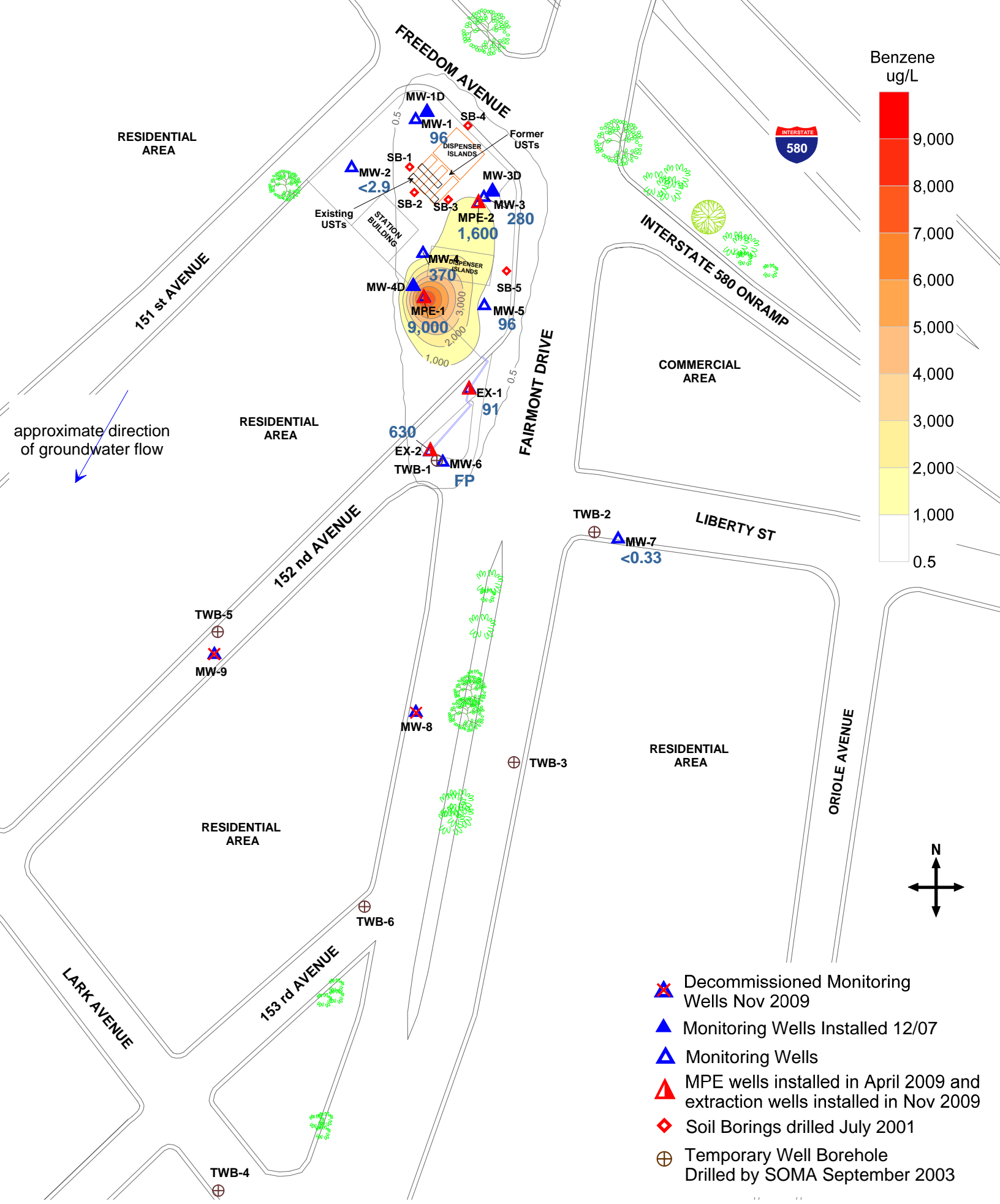


Figure 5: Contour Map of benzene Concentrations in Groundwater, First WBZ, December 1 and 2, 2011

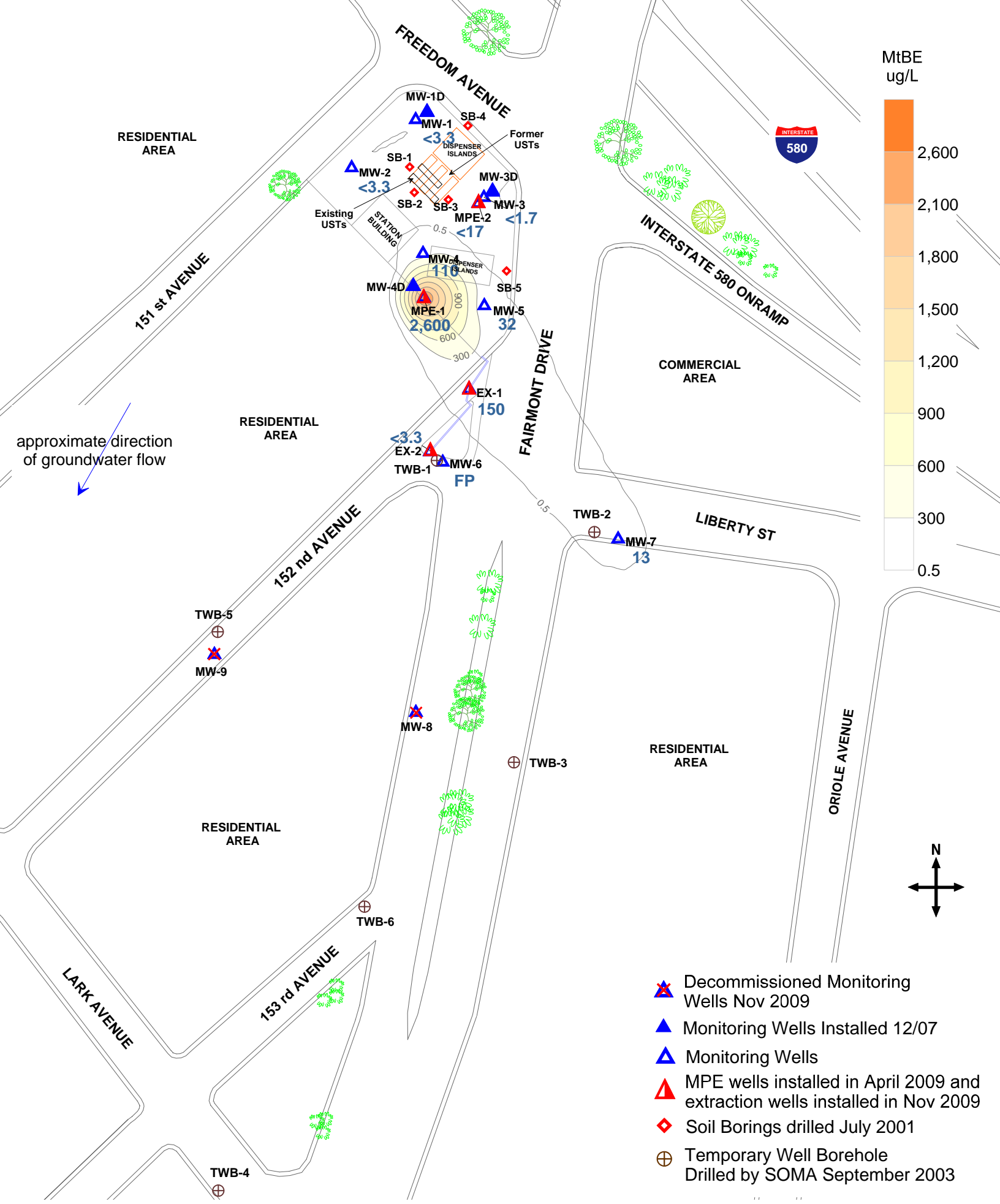


Figure 6: Contour Map of MtBE Concentrations in Groundwater, First WBZ, December 1 and 2, 2011

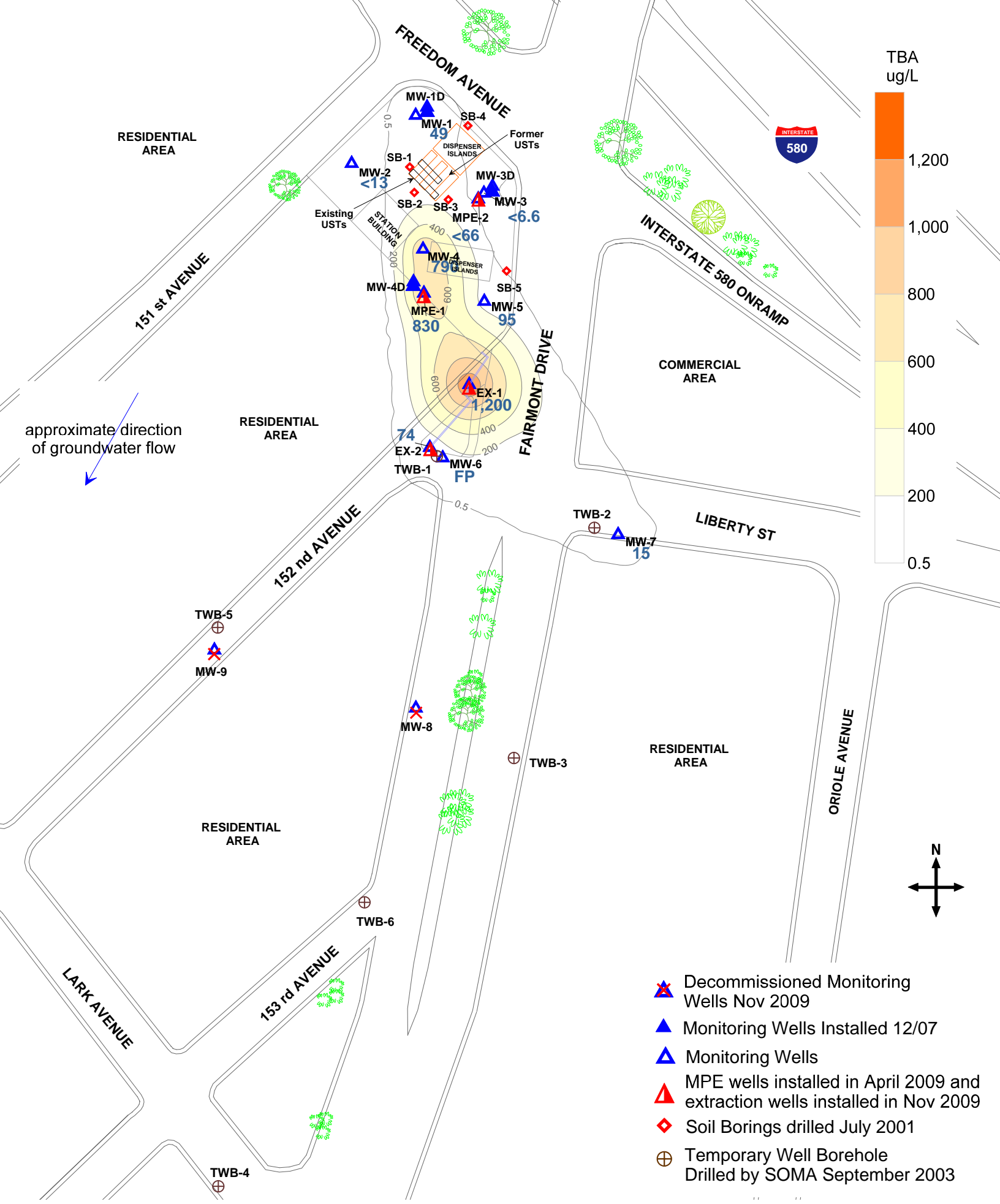
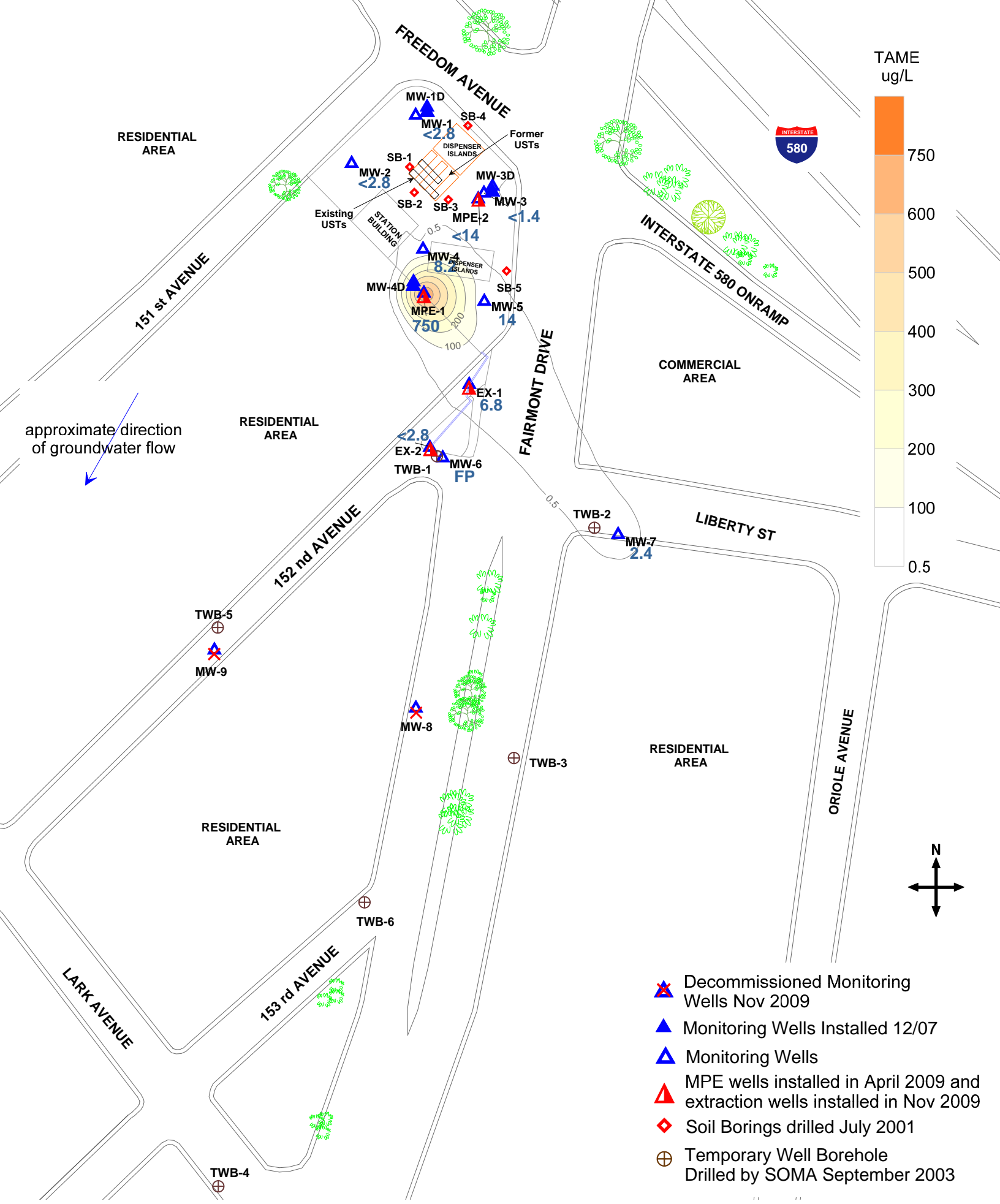


Figure 7: Contour Map of TBA Concentrations in Groundwater, First WBZ, December 1 and 2, 2011



approximate scale in feet

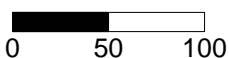


Figure 8: Contour Map of TAME Concentrations in Groundwater, First WBZ, December 1 and 2, 2011

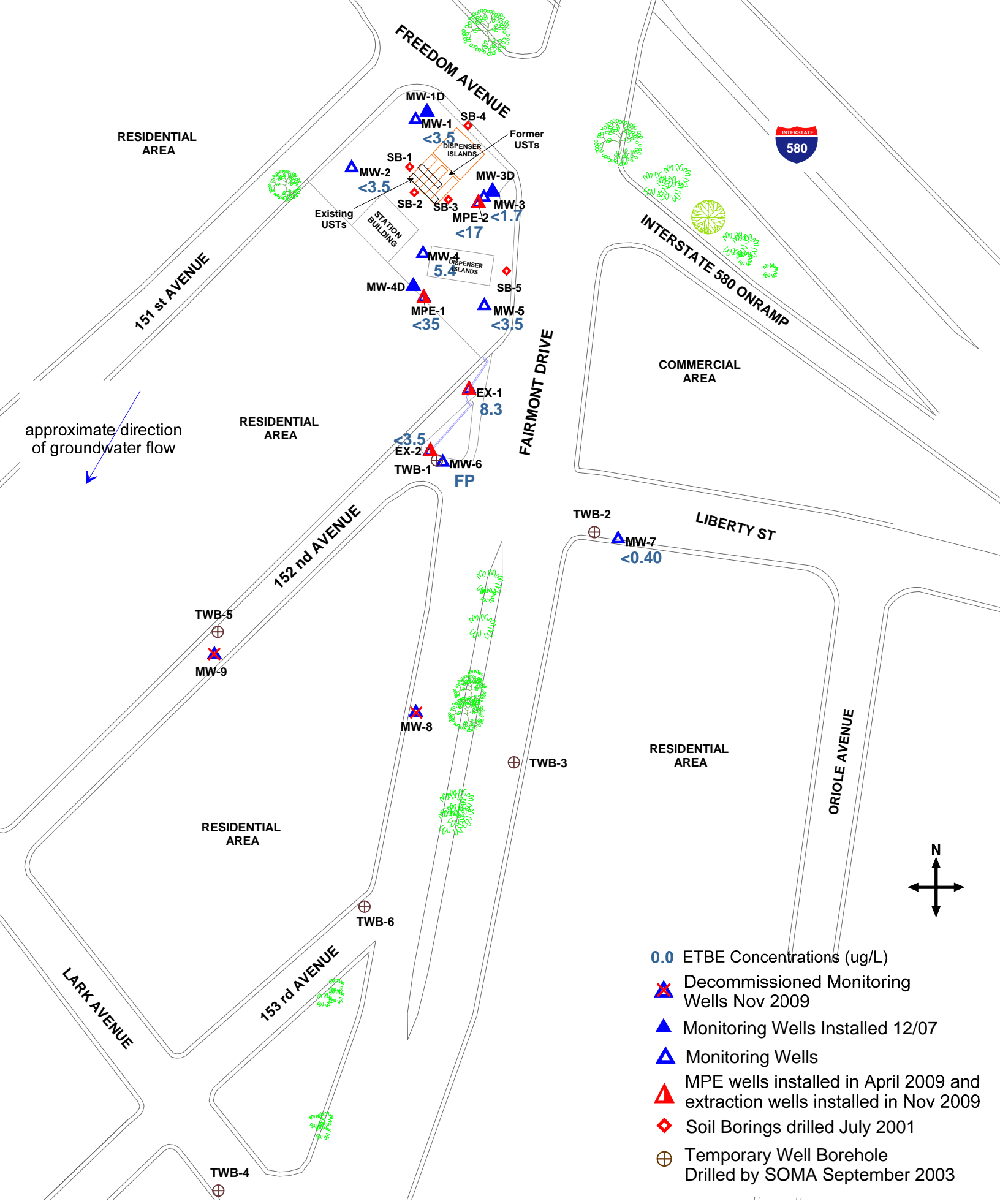
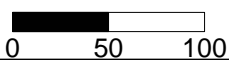


Figure 9: Map of ETBE Concentrations in Groundwater, First WBZ, December 1 and 2, 2011

approximate scale in feet



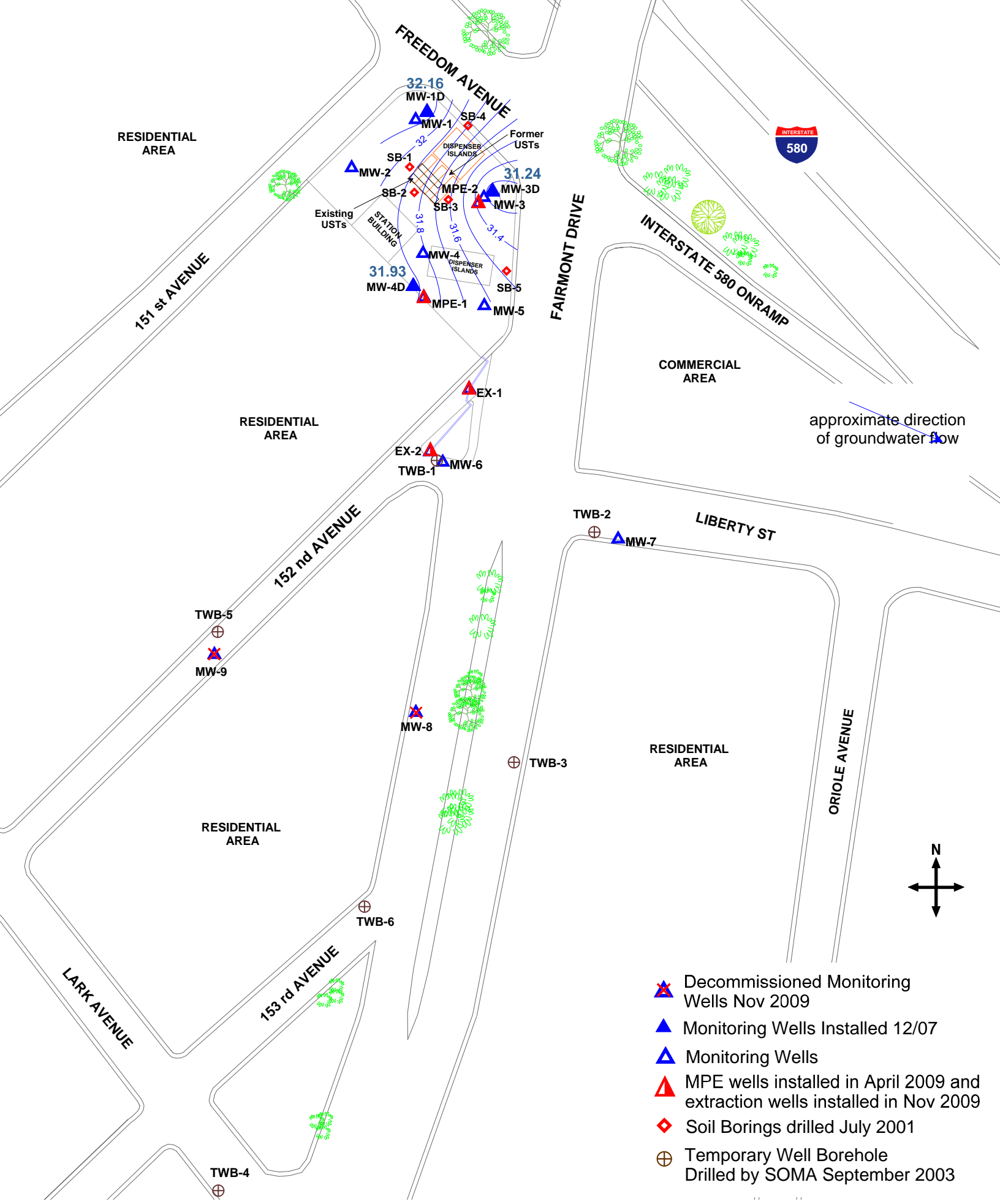
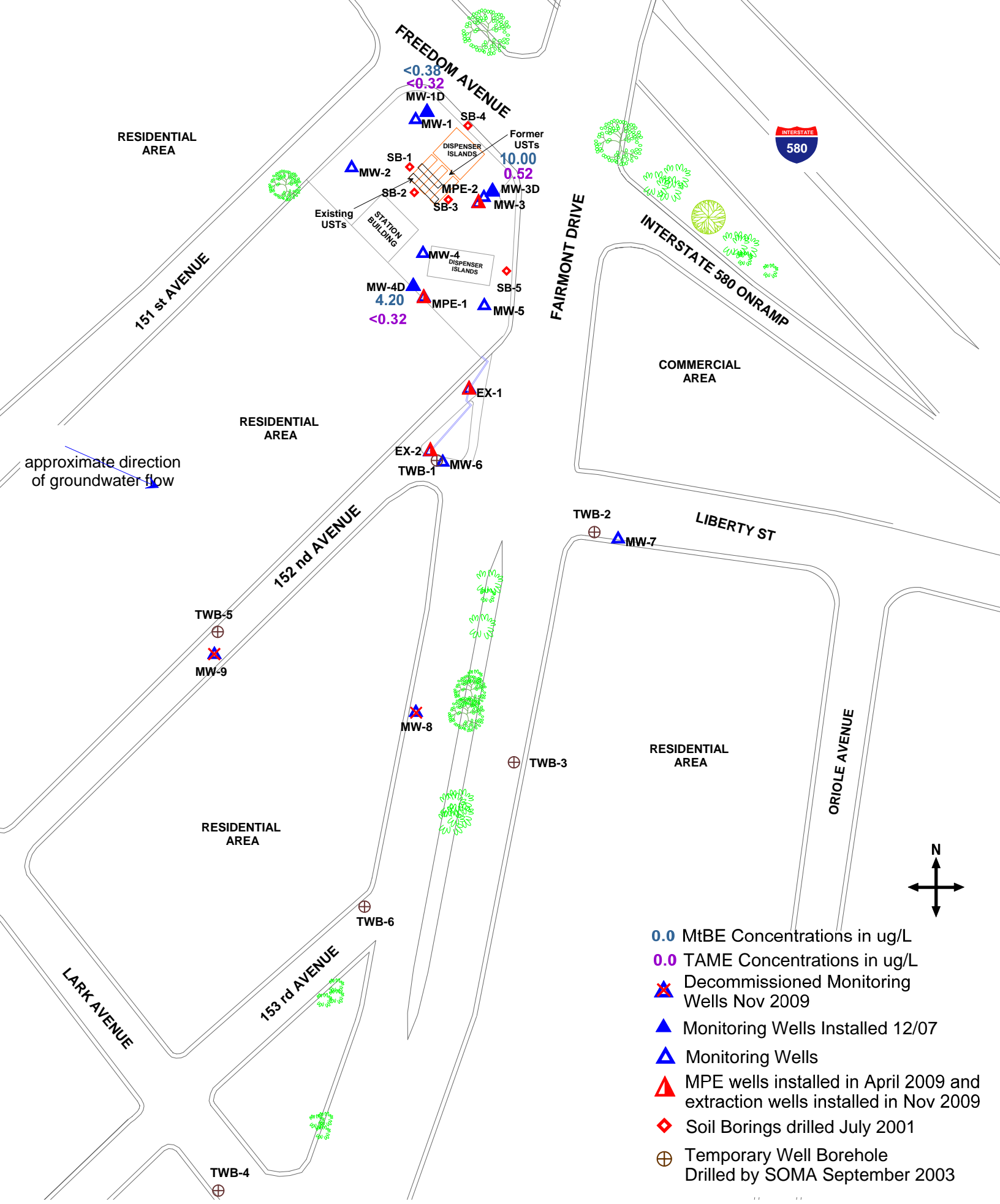


Figure 10: Groundwater Elevation Contour Map in Feet, Second WBZ, December 1, 2011

approximate scale in feet
 0 50 100

- Decommissioned Monitoring Wells Nov 2009
- Monitoring Wells Installed 12/07
- Monitoring Wells
- MPE wells installed in April 2009 and extraction wells installed in Nov 2009
- Soil Borings drilled July 2001
- Temporary Well Borehole Drilled by SOMA September 2003



approximate direction of groundwater flow

- 0.0 MtBE Concentrations in ug/L
- 0.0 TAME Concentrations in ug/L
- Decommissioned Monitoring Wells Nov 2009
- Monitoring Wells Installed 12/07
- Monitoring Wells
- MPE wells installed in April 2009 and extraction wells installed in Nov 2009
- Soil Borings drilled July 2001
- Temporary Well Borehole Drilled by SOMA September 2003

approximate scale in feet
 0 50 100

Figure 11: Map Showing Concentrations of MtBE and TAME in Groundwater, Second WBZ, December 1 and 2, 2011



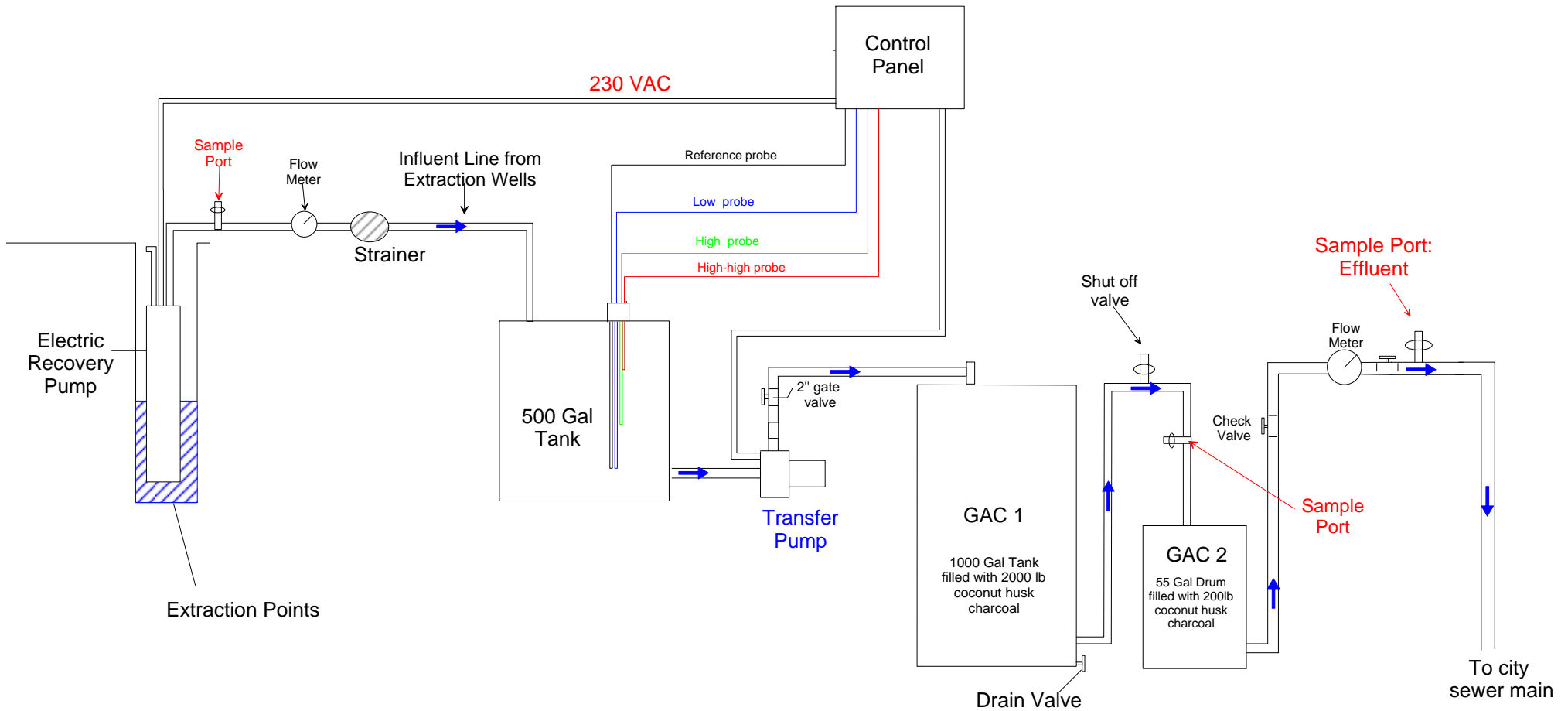


Figure 12: Schematic diagram of Groundwater Remediation System

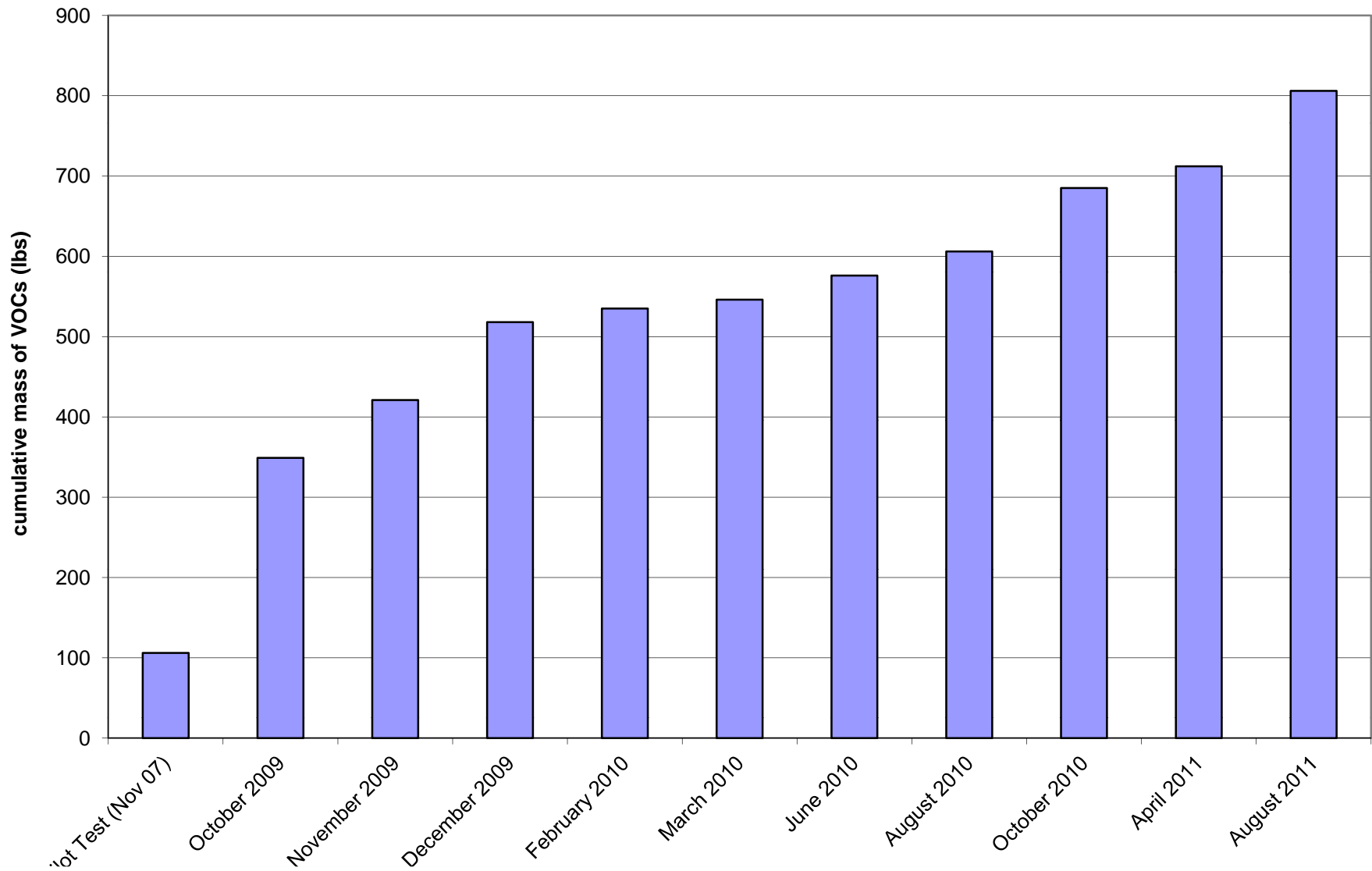


Figure 13: Cumulative mass of VOCs removed

Tables

Table 1
Historical Groundwater Elevation Data and Analytical Results
15101 Freedom Avenue, San Leandro, CA

Monitoring Well	Date	Casing Elevation ¹ (feet)	Depth to Groundwater (feet)	Depth corrected for presence of FP (feet)	Groundwater Elevation (feet)	TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MtBE 8260B ² (µg/L)
1st WBZ											
MW-1	5/10/2002	51.71	22.85		28.86	5,700	360	4.5	340	450	2
	8/8/2002	51.71	23.31		28.40	9,100	590	2.6	830	362	<1.3
	11/8/2002	51.71	23.58		28.13	7,900	570	3.1	680	392	< 1.0
	2/21/2003	51.71	22.62		29.09	2,900	160	1.6 C	170	211	<0.5
	5/28/2003	51.71	22.43		29.28	1,700	55	<0.5	90	115	2.00
	8/12/2003	51.71	21.30		30.41	2,600	2.5	<0.5	190	130	<0.5
	10/9/2003	51.71	23.49		28.22	9,200	560.0	2.7 C	670	648	<1.0
	1/15/2004	51.71	22.43		29.28	5,500	190	<1.0	220	124.4	<0.5
	5/25/2004	51.71	22.94		28.77	8,000	400	1.50	420	393	3.40
	9/21/2004	54.46	23.49		30.97	9,300	580	9.30	690	683	4.60
	12/14/2004	54.46	23.01		31.45	7,360	337	<4.3	731	633	<4.3
	3/11/2005	54.46	21.48		32.98	2,510	45.2	<0.5	23.2	39.63	2.80
	6/15/2005	54.46	22.42		32.04	1,690	36.3	<2.0	59.5	28.73	2.01
	8/26/2005	54.46	23.00		31.46	7,310	318	<8.60	475	316	5.15
	11/11/2005	54.46	21.40		33.06	9,640	341	<8.6	467	329.7	6.04
	2/9/2006	54.46	21.81		32.65	775	14	<2.0	12.6	10.32	4.01
	5/9/2006	54.46	21.68		32.78	444	7.80	<2.0	12.1	6.31	1.75
8/10/2006	54.46	22.79		31.67	5,090	324	<8.60	108	59.9	8.24	
10/26/2006	54.46	23.19		31.27	6,950	556	<4.0	190	136.09	8.61	
1/25/2007	54.46	22.82		31.64	2,640	196	<2.0	105	25.5	7.92	
4/26/2007	54.46	22.67		31.79	861	95.5	<2.0	17	6.36	4.00	
7/25/2007	54.46	23.25		31.21	4,520	412	<4.0	182	77.9	7.48	
10/23/2007	54.46	23.42		31.04	3,900	117	<2.0	87.1	23.87	4.54	

Table 1
Historical Groundwater Elevation Data and Analytical Results
15101 Freedom Avenue, San Leandro, CA

Monitoring Well	Date	Casing Elevation ¹ (feet)	Depth to Groundwater (feet)	Depth corrected for presence of FP (feet)	Groundwater Elevation (feet)	TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MtBE 8260B ² (µg/L)
MW-1 cont	1/22/2008	54.46	22.59		31.87	2,260	81.3	<2.0	17.5	<2.0	4.23
	4/16/2008	54.46	22.89		31.57	2,320	248	<2.0	54.1	37.3	<0.5
	7/3/2008	54.46	23.33		31.13	5,240	414	<2.0	168	94	6.56
	10/15/2008	54.46	23.76		30.70	4,500 ^Y	260	<1.0	150	130	3.40
	1/7/2009	54.46	23.25		31.21	4,800	140	<1.3	48	32	1.70
	4/14/2009	54.46	22.52		31.94	1,800 ^Y	78	<0.5	35	18	2.50
	8/27/2009	54.46	23.6		30.86	4,500	330	<2.0	97	42	4.60
	12/2/2009	54.46	23.43		31.03	3,800 ^Y	250	<2.0	110	25	2.50
	3/17/2010	54.46	22.32		32.14	1,100	33	<0.50	46	18	1.70
	6/3/2010	54.46	22.88		31.58	10,000	330	4.3	680	841.5	5.20
	9/2/2010	54.46	23.28		31.18	8,900	440	<5.0	510	310	<5.0
	12/2/2010	54.46	23.21		31.25	7,400	250	<3.1	390	180	<3.1
	3/4/2011	54.46	21.95		32.51	2,400	67	<0.5	45	8.4	2.20
	5/20/2011	54.46	22.8		31.66	9,500	260	6.2	970	480	<3.6
	9/9/2011	54.46	22.81		31.65	6,400	220	<1.3	380	160	2.30
	12/2/2011	54.46	21.97		32.49	4,700^x	96	<1.7	310	200	<3.3
MW-2	5/10/2002	49.66	22.83		26.83 [*]	3,100	67	8	250	215	56
	8/8/2002	49.66	21.41		28.25	2,700	4.6	<0.5	310	140	<0.5
	11/8/2002	49.66	21.79		27.87	3,400	4.6	<0.5	310	160	<0.5
	2/21/2003	49.66	20.51		29.15	890	1.7 C	0.80 C	68	38.92 C	<0.5
	5/28/2003	49.66	20.33		29.33	2,700	5.2 C	<0.5	120	140	1.2
	8/12/2003	49.66	23.18		26.48 [*]	8,500	640	<2.5	560	659	<0.8
	10/9/2003	49.66	21.71		27.95	3100 H	4.3 C	<0.5	210	160	<0.5
	1/15/2004	49.66	20.31		29.35	660 H	1.5 C	<0.5	8.9	25	<0.5
	5/25/2004	49.66	21.09		28.57	4,500	5.1 C	<0.5	190	230	0.70
	9/21/2004	52.41	21.71		30.70	370	0.76 C	<0.5	25	16	0.50
	12/14/2004	52.41	21.20		31.21	880	1.0	<0.5	66	52	<0.5

Table 1
Historical Groundwater Elevation Data and Analytical Results
15101 Freedom Avenue, San Leandro, CA

Monitoring Well	Date	Casing Elevation ¹ (feet)	Depth to Groundwater (feet)	Depth corrected for presence of FP (feet)	Groundwater Elevation (feet)	TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MtBE 8260B ² (µg/L)
MW-2 cont.	3/11/2005	52.41	19.15		33.26	564	<0.5	<0.5	21	11.9	<0.5
	6/15/2005	52.41	20.30		32.11	2,040	1.2	<2.0	78.2	22	<0.5
	8/26/2005	52.41	20.97		31.44	1,500	0.930	<2.00	87.6	21	0.86
	11/11/2005	52.41	25.30		27.11	2,140	1.08	<2.0	104	29	0.79
	2/9/2006	52.41	19.41		33.00	1,410	<0.5	<2.0	99.6	21.4	0.72
	5/9/2006	52.41	19.41		33.00	1,100	<0.5	<2.0	86.5	17	<0.5
	8/10/2006	52.41	20.8		31.61	3,180	2.87	<2.0	88.9	24.8	<0.50
	10/26/2006	52.41	21.22		31.19	1,200	<0.5	<2.0	23.5	4.79	0.6
	1/25/2007	52.41	20.89		31.52	623	0.64	<2.0	42.4	4.37	0.66
	4/26/2007	52.41	20.65		31.76	169	<0.5	<2.0	15.2	2.3	<0.5
	7/25/2007	52.41	21.43		30.98	276	0.78	<2.0	22.1	4.04	<0.5
	10/23/2007	52.41	21.59		30.82	535	<0.5	<2.0	18	5.11	<0.5
	1/22/2008	52.31	20.45		31.86	132	<0.5	<2.0	12.2	<2.0	<0.5
	4/15/2008	52.41	20.89		31.52	852	<0.5	<2.0	27.2	4.78	<0.5
	7/2/2008	52.41	21.5		30.91	98.3	<0.5	<2.0	2.76	<2.0	<0.5
	10/15/2008	52.41	22.06		30.35	1,400 ^Y	<0.5	<0.5	60	17	<0.5
	1/7/2009	52.41	21.35		31.06	93	<0.5	<0.5	2.1	0.74	<0.5
	4/13/2009	52.41	20.52		31.89	480 ^Y	<0.5	<0.5	20	5.5	<0.5
	8/27/2009	52.41	21.85		30.56	130	<0.5	<0.5	2.5	0.61	<0.5
	12/1/2009	52.41	21.59		30.82	760 ^Y	<0.5	<0.5	14	1.5	<0.5
	3/17/2010	52.41	20.11		32.30	480	<0.5	<0.5	30	6.9	<0.5
	6/3/2010	52.41	21		31.41	690	<0.5	<0.5	14	2.6	<0.5
	9/2/2010	52.41	21.42		30.99	470	<0.5	<0.5	7.6	1	<0.5
12/2/2010	52.41	21.44		30.97	470	<0.5	<0.5	7.6	3.3	<0.5	
3/4/2011	52.41	19.65		32.76	240	<0.5	<0.5	6.6	0.8	<0.5	
5/20/2011	52.41	20.75		31.66	310	<0.5	<0.5	4.8	<0.5	<0.5	
9/9/2011	52.41	21.05		31.36	1,000	<0.5	<0.5	12	0.76	<0.5	
12/2/2011	52.41	20.14		32.27	900^x	<2.9	<1.7	14	1.9	<3.3	

Table 1
Historical Groundwater Elevation Data and Analytical Results
15101 Freedom Avenue, San Leandro, CA

Monitoring Well	Date	Casing Elevation ¹ (feet)	Depth to Groundwater (feet)	Depth corrected for presence of FP (feet)	Groundwater Elevation (feet)	TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MtBE 8260B ² (µg/L)
MW-3	5/10/2002	51.16	22.28		28.88	44,000	6,000	900	1,500	6,200	2,400
	8/8/2002	51.16	22.88		28.28	40,000	5,800	1,100	1,600	6,500	1,300
	11/8/2002	51.16	23.19		27.97	47,000	5,300	1,200	2,200	8,600	1,000
	2/21/2003	51.16	22.02		29.14	39,000	5,500	1,500	2,000	8,600	1,300
	5/28/2003	51.16	21.89		29.27	52,000	7,300	3,000	2,800	12,700	2,100
	8/12/2003	51.16	22.66		28.50	31,000	6,100	860	1,500	6,900	1,200
	10/9/2003	51.16	23.06		28.10	41,000	6,100	1,100	2,200	10,200	960
	1/15/2004	51.16	21.85		29.31	51,000	4,100	1,100	2,000	8,400	590
	5/25/2004	51.16	22.55		28.61	65,000	4,300	1,300	2,500	10,500	720
	9/21/2004	53.91	23.08		30.83	42,000	4,900	890	2,200	8,700	480
	12/14/2004	53.91	22.52		31.39	35,151	4,066	972	2,942	13,032	491
	3/11/2005	53.91	20.90		33.01	42,600	3,040	1,100	1,530	6,670	968
	6/15/2005	53.91	21.85		32.06	84,100	5,110	2,160	3,030	8,800	2,670
	8/26/2005	53.91	22.49		31.42	43,500	3,630	1,080	2,500	6,830	1,440
	11/11/2005	53.91	22.81		31.10	47,700	4,240	520	2,170	6,320	1,390
	2/9/2006	53.91	21.12		32.79	44,500	5,070	1360	1,920	4,840	3,280
	5/9/2006	53.91	21.09		32.82	48,100	2,510	1,140	1,950	5,030	2,210
	8/10/2006	53.91	22.26		31.65	42,100	3,450	869	1,760	5,650	3,570
	10/26/2006	53.91	22.73		31.18	33,400	4,800	331	1,170	3,510	4,790
	1/25/2007	53.91	22.34		31.57	19,300	4,820	167	1,540	3,740	3,430
4/26/2007	53.91	22.24		31.67	30,700	2,350	158	1,470	4,320	1,330	
7/25/2007	53.91	22.83		31.08	34,900	5,400	364	2,080	6,360	1,980	
10/23/2007	53.91	23.01		30.9	22,600	4,070	<86	1,120	3,095	970	

Table 1
Historical Groundwater Elevation Data and Analytical Results
15101 Freedom Avenue, San Leandro, CA

Monitoring Well	Date	Casing Elevation ¹ (feet)	Depth to Groundwater (feet)	Depth corrected for presence of FP (feet)	Groundwater Elevation (feet)	TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MtBE 8260B ² (µg/L)
MW-3 cont.	1/22/2008	53.96	22.04		31.92	22,100	1,280	453	1,330	3,520	490
	4/16/2008	53.91	22.4		31.51	20,700	2,790	182	860	3,389	263
	7/3/2008	53.91	22.9		31.01	48,500	3,760	346	3,130	12,980	573
	10/16/2008	53.91	23.36		30.55	50,000	3,900	300	3,100	11,000	460
	1/8/2009	53.91	22.82		31.09	54,000	2,600	180	2,500	8,800	220
	4/13/2009	53.91	22.06		31.85	49,000	2,900	170	2,100	8,100	490
	8/27/2009	53.91	23.11		30.80	43,000	2,500	160	1,900	7,000	210
	12/2/2009	53.91	23.00		30.91	30,000	2,100	180	1,600	5,600	91
	3/17/2010	53.91	21.90		32.01	24,000	970	81	1,100	3,700	38
	6/3/2010	53.91	22.49		31.42	31,000	1,200	110	1,300	4,400	34
	9/2/2010	53.91	22.76		31.15	26,000	1,100	81	1,200	3,810	26
	12/2/2010	53.91	22.86		31.05	18,000	830	47	780	2,360	14
	3/4/2011	53.91	21.44		32.47	18,000	410	32	850	2,480	16
	5/20/2011	53.91	22.36		31.55	12,000	710	24	620	1,460	11
	9/9/2011	53.91	22.44		31.47	11,000	1,100	26	580	1,430	7.8
		12/2/2011	53.91	21.60		32.31	5,100^x	280	12	370	740
MW-4	5/10/2002	50.54	21.78		28.76	880	25	1.0C	110	52	12,000
	8/8/2002	50.54	22.50		28.04	3,800	70	<5.0	300	115	4,800
	11/8/2002	50.54	22.81		27.73	5,100	150	10	460	258	2,400
	2/21/2003	50.54	21.48		29.06	3,200	98	66	220	360	6,600
	5/28/2003	50.54	21.24		29.30	6,200	140	46	200	790	2,300
	8/12/2003	50.54	22.32		28.22	7,500	180	57	220	1450	1,900
	10/9/2003	50.54	22.74		27.80	5,800	250	32	300	970	7,800
	1/15/2004	50.54	21.19		29.35	5,900	270	17 C	150	640	7,300
	5/25/2004	50.54	22.03		28.51	9,100	210	51	200	1190	1800
	9/21/2004	53.31	22.76		30.55	5,200	290	12	370	600	7300
	12/14/2004	53.31	21.99		31.32	8,937	538	114	416	2379	5021

Table 1
Historical Groundwater Elevation Data and Analytical Results
15101 Freedom Avenue, San Leandro, CA

Monitoring Well	Date	Casing Elevation ¹ (feet)	Depth to Groundwater (feet)	Depth corrected for presence of FP (feet)	Groundwater Elevation (feet)	TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MtBE 8260B ² (µg/L)
MW-4 cont.	3/11/2005	53.31	20.01		33.30	12,300	225	39.6	80.1	1465	3870
	6/15/2005	53.31	21.25		32.06	7,690	114	32.6	77.1	555	1150
	8/26/2005	53.31	22.03		31.28	8,850	175	24.6	150	851	1380
	11/11/2005	53.31	22.43		30.88	9,990	356	<43	196	700	3,640
	2/9/2006	53.31	20.31		33.00	6,850	205	<43	67.2	255.2	5,120
	5/9/2006	53.31	20.33		32.98	1,290	18.1	<8.6	12.9	25.87	799
	8/10/2006	53.31	21.74		31.57	7,830	118	<8.60	25.3	174.6	919
	10/26/2006	53.31	22.29		31.02	1,540	81.9	<43	96	46.4	3,610
	1/25/2007	53.31	21.86		31.45	4,370	163	<8.6	85.1	269.1	1,050
	4/26/2007	53.31	21.63		31.68	4,380	140	<8.6	67	276.8	576
	7/25/2007	53.31	22.49		30.82	4,970	220	<8.60	198	241.5	1,040
	10/23/2007	53.31	22.69		30.62	4,200	267	<8.6	147	155.5	1,220
	1/22/2008	53.36	21.39		31.97	2,180	133	<22.0	43.1	32.2	1,800
	4/15/2008	53.31	21.9		31.41	4,240	90.4	<22.0	107	380	674
	7/2/2008	53.31	22.55		30.76	2,300	193	<22.0	212	183	4,050
	10/16/2008	53.31	23.13		30.18	8,900	320	3.7	430	1,160	450
	1/8/2009	53.31	22.42		30.89	19,000	430	44	590	3,380	440
	4/13/2009	53.31	21.51		31.80	21,000	400	38	450	2,880	330
	8/27/2009	53.31	22.94		30.37	16,000	960	64	560	2,120	290
	12/2/2009	53.31	22.36		30.95	4,400	480	6	170	640	110
	3/17/2010	53.31	21.39		31.92	14,000	260	6	230	1,220	93
	6/3/2010	53.31	22.23		31.08	18,000	240	4	310	770	41
	9/2/2010	53.31	22.51		30.80	1,800	800	<3.6	150	25	33
	12/2/2010	53.31	22.71		30.60	3,800	1,500	<10	200	115	29
3/3/2011	53.31	20.64		32.67	2,400	28	<0.71	28	17	3	
5/19/2011	53.31	21.84		31.47	1,800	27	<0.5	29	11.2	4.8	
9/8/2011	53.31	22.11		31.20	3,600	300	2.6	270	68.5	59	
12/1/2011	53.31	21.38		31.93	1,400^x	370	<0.84	110	30.6	110	

Table 1
Historical Groundwater Elevation Data and Analytical Results
15101 Freedom Avenue, San Leandro, CA

Monitoring Well	Date	Casing Elevation ¹ (feet)	Depth to Groundwater (feet)	Depth corrected for presence of FP (feet)	Groundwater Elevation (feet)	TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MtBE 8260B ² (µg/L)
MW-5	5/10/2002	47.79	19.02		28.77	25,000	1,000	1200	1,100	3,060	1,800
	8/8/2002	47.79	19.80		27.99	18,000	1,000	660	950	1,720	1,500
	11/8/2002	47.79	20.14		27.65	16,000	1,300	380	930	1,550	1,200
	2/21/2003	47.79	18.70		29.09	12,000	390	71	770	1,100	860
	5/28/2003	47.79	18.52		29.27	9,100	210	31	560	790	600
	8/12/2003	47.79	19.54		28.25	12,000	660	75	660	1,110	1,000
	10/9/2003	47.79	20.06		27.73	15,000	1,000	130	1,000	1,430	1,700
	1/15/2004	47.79	18.42		29.37	9,900	450 C	16	500	431	1,100
	5/25/2004	47.79	19.30		28.49	9,200	380	24	490	536	720
	9/21/2004	50.53	20.15		30.38	10,000	980	71	560	770	1200
	12/14/2004	50.53	19.30		31.23	10,502	587	64	1040	1133	1015
	3/11/2005	50.53	17.20		33.33	8,390	407	<5.5	83	42.5	1530
	6/15/2005	50.53	18.54		31.99	9,350	147	18.3	435	146.2	573
	8/26/2005	50.53	19.31		31.22	9,500	261	<22	726	321.3	749
	11/11/2005	50.53	19.75		30.78	10,000	443	41.5	527	278.5	1,430
	2/9/2006	50.53	17.58		32.95	7,640	237	<22	187	50.2	2,050
	5/9/2006	50.53	17.54		32.99	8,360	111	<8.6	300	75.84	566
	8/10/2006	50.53	19.02		31.51	16,100	250	<22	455	187.4	1,590
	10/26/2006	50.53	19.61		30.92	10,100	430	<22	375	192.6	3,060
	1/25/2007	50.53	19.19		31.34	3,960	340	<22	323	150.1	1,740
4/26/2007	50.53	18.89		31.64	4,590	187	<8.6	307	116.5	861	
7/25/2007	50.53	19.81		30.72	6,490	419	21.8	413	223.2	913	
10/23/2007	50.53	19.98		30.55	6,120	550	11	284	141.4	433	

Table 1
Historical Groundwater Elevation Data and Analytical Results
15101 Freedom Avenue, San Leandro, CA

Monitoring Well	Date	Casing Elevation ¹ (feet)	Depth to Groundwater (feet)	Depth corrected for presence of FP (feet)	Groundwater Elevation (feet)	TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MtBE 8260B ² (µg/L)
MW-5 cont.	1/22/2008	50.18	18.69		31.49	9,810	572	22	574	184.1	126
	4/15/2008	50.18	19.16		31.02	8,890	335	15.1	477	397.5	136
	7/3/2008	50.53	19.88		30.65	13,100	949	34.4	875	825.5	176
	10/16/2008	50.53	20.45		30.08	11,000	870	25	820	668	160
	1/8/2009	50.53	19.72		30.81	12,000	490	21	690	456	76
	4/13/2009	50.53	18.81		31.72	9,000 ^Y	200	11	390	198	44
	8/27/2009	50.53	21.30		29.23	7,400	610	15	320	185	66
	12/2/2009	50.53	20.00		30.53	8,400 ^Y	400	12	540	296	45
	3/17/2010	50.53	18.73		31.80	4,800	120	8.7	120	107	14
	6/4/2010	50.53	19.60		30.93	7,200	160	5.7	190	149.2	24
	9/2/2010	50.53	19.82		30.71	9,200	110	12	270	318	35
	12/2/2010	50.53	20.10		30.43	9,100	170	6.7	350	442	23
	3/4/2011	50.53	18.00		32.53	2,600	18	0.62	54	18.1	3
	5/20/2011	50.53	19.18		31.35	4,000	91	8.5	110	106	33
Pre-MPE	8/4/2011	50.53	NM		NC	3,000	23	0.95	92	43.7	5.4
	9/9/2011	50.53	19.41		31.12	4,200	120	2.8	140	61.1	22
	12/2/2011	50.53	18.59		31.94	6,900^x	96	12	220	104	32
MW-6	9/21/2004	45.82	17.64		28.18	34,000	150	130	2200	8100	0.6
	12/14/2004	45.82	15.75		30.07	5,161	137	7	436	1136	<5.5
	3/11/2005	45.82	13.80		32.02	6,040	125	3.22	260	722.1	4.94
	6/15/2005	45.82	14.78		31.04	5,590	44.3	6.60	272	382	5.85
	8/26/2005	45.82	15.91		29.91	6,130	99	<8.6	378	492.9	5.66
	11/11/2005	45.82	16.55		29.27	11,400	101	<8.6	645	834.7	4.33
	2/9/2006	45.82	13.92		31.90	2,790	32.3	<8.6	131	131.22	7.30
	5/9/2006	45.82	13.95		31.87	3,730	25	<2.0	213	207.82	5.87
	8/10/2006	45.82	15.28		30.54	4,800	41.9	<2.0	201	189	10.4
	10/26/2006	45.82	16.11		29.71	6,080	37.4	<2.0	116	183	9.78

Table 1
Historical Groundwater Elevation Data and Analytical Results
15101 Freedom Avenue, San Leandro, CA

Monitoring Well	Date	Casing Elevation ¹ (feet)	Depth to Groundwater (feet)	Depth corrected for presence of FP (feet)	Groundwater Elevation (feet)	TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MtBE 8260B ² (µg/L)
MW-6 cont.	1/25/2007	45.82	15.76		30.06	3,220	25.2	<2.0	219	174	14.7
	4/26/2007	45.82	15.18		30.64	3,110	28	<2.0	165	138.47	14.6
	7/25/2007	45.82	16.82		29.00	4,960	54.1	<2.0	199	255.87	8.05
	10/23/2007	45.82	16.91		28.91	9,610	64.3	<2.0	188	302.6	5.81
	1/21/2008	45.82	15.36		30.46	3,290	33	<2.0	149	131.31	3.86
	4/15/2008	45.82	15.73		30.09	2,070	10.8	<2.0	51.1	67	<0.5
	7/2/2008	45.82	16.9		28.92	7,900	42.4	<2.0	194	296	3.58
	10/15/2008	45.82	17.21		28.61	18,000 ^Y	42	1.4	320	673	1.7
	1/7/2009	45.82	17.08		28.74	13,000	47	<3.1	210	425	<3.1
	4/13/2009	45.82	15.52		30.30	7,200 ^Y	26	<1.3	170	312.6	2.6
	8/26/2009	45.82	17.82		28.00	10,000 ^Y	25	<2.0	130	294	2.2
	12/1/2009	45.82	17.34		28.48	11,000 ^Y	31	6.1	220	539	<2.0
	3/16/2010	45.82	14.81		31.01	31,000	63	140	970	4,200	64
	6/3/2010	45.82	15.72		30.10	27,000	22	67	840	3,100	32
	9/1/2010	45.82	16.86		28.96	33,000	24	34	1,100	3,780	12
	12/2/2010	45.82	16.98		28.84	70,000	32	55	1,700	5,670	18
	3/3/2011	45.82	14.35		31.47	7,000	18	<2.5	97	237	11
5/20/2011	45.82	14.95		30.87	14,000	14	<2.5	300	823	7.2	
9/8/2011	45.82	16.14		29.68	23,000	28	<2.5	360	812	3.4	
12/1/2011	45.82	16.17	16.156	29.66	FP	FP	FP	FP	FP	FP	
MW-7	9/21/2004	44.74	15.21		29.53	2,900	<0.5	<0.5	52	61	8.1
	12/14/2004	44.74	13.90		30.84	<50	1.6	<0.5	29	58	6.0
	3/11/2005	44.74	11.46		33.28	2,230	<2.5	<2.5	39.4	51.4	12.4
	6/15/2005	44.74	12.97		31.77	2,940	0.85	<2.0	50.6	31.9	13.7
	8/26/2005	44.74	14.10		30.64	2,310	<0.50	<2.0	55.7	29.6	4.01
	11/11/2005	44.74	14.59		30.15	3,030	<0.5	<2.0	66.5	42.3	9.76

Table 1
Historical Groundwater Elevation Data and Analytical Results
15101 Freedom Avenue, San Leandro, CA

Monitoring Well	Date	Casing Elevation ¹ (feet)	Depth to Groundwater (feet)	Depth corrected for presence of FP (feet)	Groundwater Elevation (feet)	TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MtBE 8260B ² (µg/L)
MW-7 cont.	2/9/2006	44.74	NM		NM	NA	NA	NA	NA	NA	NA
	5/9/2006	44.74	12.02		32.72	1,400	<0.5	<2.0	19.8	12.4	2.30
	8/10/2006	44.74	13.72		31.02	604	<0.50	<2.0	6.2	4.63	1.42
	10/26/2006	44.74	14.38		30.36	1350	<0.50	<2.0	16.6	10.8	1.87
	1/25/2007	44.74	13.93		30.81	340	<0.5	<2.0	6.84	2.44	1.63
	4/26/2007	44.74	14.44		30.30	552	<0.5	<2.0	11.4	6.11	4.12
	7/25/2007	44.74	14.79		29.95	1,230	<0.5	<2.0	27	19.24	3.2
	10/23/2007	44.74	14.88		29.86	1,730	0.67	<2.0	20.7	17.31	8.44
	1/21/2008	44.74	13.34		31.40	610	1.15	<2.0	8.4	4.34	17.2
	4/15/2008	44.74	13.91		30.83	1,460	<0.5	<2.0	15.9	19.7	17.3
	7/2/2008	44.74	14.87		29.87	1,450	<0.5	<2.0	11	6.8	22.1
	10/15/2008	44.74	15.68		29.06	1,900 ^Y	0.56	1.2	27	39.5	55
	1/7/2009	44.74	14.72		30.02	2,700	1.2	2.9	11	25	39
	4/13/2009	44.74	13.54		31.20	2,300 ^Y	<0.5	<0.5	15	6.3	63
	8/26/2009	44.74	15.84		28.90	2,700 ^Y	<0.5	<0.5	48	53	140
	12/1/2009	44.74	15.03		29.71	1,800 ^Y	<0.5	<0.5	22	15	120
	3/16/2010	44.74	12.56		32.18	1,100	<0.5	<0.5	3.2	1.4	65
	6/3/2010	44.74	13.80		30.94	740	<0.5	<0.5	1.8	0.62	28
	9/1/2010	44.74	14.84		29.90	1,200	<0.5	<0.5	10	3.2	29
	12/2/2010	44.74	14.74		30.00	1,400	<0.5	<0.5	8	0.74	21
3/3/2011	44.74	13.31		31.43	1,000	<0.5	<0.5	1.8	<0.5	16	
5/19/2011	44.74	13.43		31.31	810	<0.5	<0.5	2.2	0.79	7.8	
9/8/2011	44.74	14.38		30.36	1,000	<0.5	<0.5	8.3	2.9	5.4	
	12/1/2011	44.74	13.59		31.15	1,500^x	<0.33	<0.19	12	5.7	13
MW-8	9/21/2004	41.14	12.98		28.16	<50	<0.5	<0.5	<0.5	<0.5	<0.5
	12/14/2004	41.14	11.22		29.92	<50	<0.5	<0.5	<0.5	<1.0	<0.5

Table 1
Historical Groundwater Elevation Data and Analytical Results
15101 Freedom Avenue, San Leandro, CA

Monitoring Well	Date	Casing Elevation ¹ (feet)	Depth to Groundwater (feet)	Depth corrected for presence of FP (feet)	Groundwater Elevation (feet)	TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MtBE 8260B ² (µg/L)
MW-8 cont.	3/11/2005	41.14	NM		NM	NA	NA	NA	NA	NA	NA
	6/15/2005	41.14	10.46		30.68	<200	0.53	<2.0	<0.5	<1.0	<0.5
	8/26/2005	41.14	11.53		29.61	<50	<0.50	<2.0	<0.50	<1.0	<0.50
	11/11/2005	41.14	11.92		29.22	<50	<0.5	<2.0	1.36	1.8	<0.5
	2/9/2006	41.14	9.74		31.40	<50	<0.50	<2.0	<0.50	<1.0	<0.50
	5/9/2006	41.14	9.90		31.24	<50	<0.50	<2.0	<0.50	<1.0	<0.50
	8/10/2006	41.14	10.9		30.24	<50	<0.50	<2.0	<0.50	<1.0	<0.50
	10/26/2006	41.14	11.68		29.46	<50	<0.50	<2.0	3.37	<1.0	<0.50
	1/25/2007	41.14	11.44		29.70	<50	<0.5	<2.0	<0.5	<2.0	<0.5
	4/26/2007	41.14	10.81		30.33	<50	<0.5	<2.0	4.29	<2.0	<0.5
	7/25/2007	41.14	12.31		28.83	<50	<0.5	<2.0	4.39	<2.0	<0.5
	10/23/2007	41.14	12.37		28.77	<50	<0.5	<2.0	4.31	<2.0	<0.5
	1/21/2008	41.14	11.02		30.12	<50	<0.5	<2.0	<0.5	<2.0	<0.5
	4/15/2008	41.14	11.44		29.70	<50	<0.5	<2.0	<0.5	<2.0	<0.5
	7/2/2008	41.14	12.39		28.75	94.8	<0.5	<2.0	1	<2.0	<0.5
	10/15/2008	41.14	13.42		27.72	<50	<0.5	<0.5	<0.5	<0.5	<0.5
	1/7/2009	41.14	12.50		28.64	<50	<0.5	<0.5	<0.5	0.6	<0.5
4/13/2009	41.14	11.23		29.91	<50	<0.5	<0.5	<0.5	<0.5	<0.5	
8/27/2009	41.14	13.24		27.90	<50	<0.5	<0.5	<0.5	<0.5	<0.5	
Well Decommissioned 11/13/2009											
MW-9	9/21/2004	40.26	12.18		28.08	<50	<0.5	<0.5	<0.5	<0.5	<0.5
	12/14/2004	40.26	10.91		29.35	<50	<0.5	<0.5	<0.5	<1.0	<0.5

Table 1
Historical Groundwater Elevation Data and Analytical Results
15101 Freedom Avenue, San Leandro, CA

Monitoring Well	Date	Casing Elevation ¹ (feet)	Depth to Groundwater (feet)	Depth corrected for presence of FP (feet)	Groundwater Elevation (feet)	TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MtBE 8260B ² (µg/L)
MW-9 cont.	3/11/2005	40.26	10.52		29.74	<200	<0.5	<0.5	<0.5	<1.0	<0.5
	6/15/2005	40.26	14.73		25.53	<200	<0.5	<2.0	<0.5	<1.0	<0.5
	8/26/2005	40.26	10.59		29.67	<50	<0.50	<2.0	<0.50	<1.0	<0.50
	11/11/2005	40.26	11.25		29.01	<50	<0.5	<2.0	<0.5	<1.0	<0.5
	2/9/2006	40.26	10.05		30.21	<50	<0.50	<2.0	<0.50	<1.0	<0.50
	5/9/2006	40.26	9.06		31.20	<50	<0.50	<2.0	<0.50	<1.0	<0.50
	8/10/2006	40.26	10.01		30.25	<50	<0.50	<2.0	<0.50	<1.0	<0.50
	10/26/2006	40.26	10.81		29.45	<50	<0.50	<2.0	<0.50	<1.0	<0.50
	1/25/2007	40.26	10.67		29.59	<50	<0.5	<2.0	<0.5	<2.0	<0.5
	4/26/2007	40.26	10.05		30.21	<50	<0.5	<2.0	<0.5	<2.0	<0.5
	7/25/2007	40.26	11.44		28.82	<50	<0.5	<2.0	<0.5	<2.0	<0.5
	10/23/2007	40.26	11.59		28.67	<50	<0.5	<2.0	<0.5	<2.0	<0.5
	1/21/2008	40.26	10.37		29.89	<50	<0.5	<2.0	<0.5	<2.0	<0.5
	4/15/2008	40.26	10.56		29.70	<50	<0.5	<2.0	<0.5	<2.0	<0.5
	7/2/2008	40.26	11.95		28.31	161	<0.5	<2.0	2.15	<2.0	<0.5
	10/15/2008	40.26	12.64		27.62	<50	<0.5	<0.5	<0.5	<0.5	<0.5
	1/7/2009	40.26	11.75		28.51	<50	<0.5	<0.5	<0.5	<0.5	<0.5
	4/13/2009	40.26	10.89		29.37	<50	<0.5	<0.5	<0.5	<0.5	<0.5
	8/26/2009	40.26	12.50		27.76	<50	<0.5	<0.5	<0.5	<0.5	<0.5

Well Decommissioned 11/13/2009

Table 1
Historical Groundwater Elevation Data and Analytical Results
15101 Freedom Avenue, San Leandro, CA

Monitoring Well	Date	Casing Elevation ¹ (feet)	Depth to Groundwater (feet)	Depth corrected for presence of FP (feet)	Groundwater Elevation (feet)	TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MtBE 8260B ² (µg/L)
Extraction Wells											
EX-1	12/2/2009	47.36	17.02		30.34	2,900	120	4	64	410	25
	3/16/2010	47.36	19.08		28.28	2,200	150	18	94	326	210
	6/3/2010	47.36	17.02		30.34	3,600	180	6.3	150	428	83
	9/1/2010	47.36	16.88		30.48	550	6.5	0.5	6.9	31.7	38
	12/2/2010	47.36	19.84		27.52	<200	3.1	<2.0	<2.0	<2.0	210
	3/3/2011	47.36	14.96		32.4	530	51	0.94	15	31.3	110
	5/19/2011	47.36	16.12		31.24	370	42	<0.71	7.6	17.2	110
	9/8/2011	47.36	16.47		30.89	110	5	<0.5	2.2	6.4	12
	12/1/2011	47.36	16.1		31.26	780^x	91	3	29	85	150
Extraction Wells											
EX-2	12/2/2009	45.96	17.56		28.4	7,100 ^Y	9.3	3.2	440	770	<3.1
	3/16/2010	45.96	19.65		26.31	13,000	600	360	770	2,250	15
	6/3/2010	45.96	17.10		28.86	16,000	590	400	700	2,500	9.5
	9/1/2010	45.96	16.99		28.97	6,100	230	74	200	890	11
	12/2/2010	45.96	20.87		25.09	14,000	510	270	640	2,170	15
	3/3/2011	45.96	14.61		31.35	8,600	340	52	460	1,350	13
	5/19/2011	45.96	15.08		30.88	7,500	260	65	390	1,080	11
	9/8/2011	45.96	16.34		29.62	3,400	190	28	160	451	5.4
	12/1/2011	45.96	22.60		23.36	9,900^x	630	200	690	1,760	<3.3
MPE Wells											
MPE-1	12/1/2009	51.96	21.41		30.55	NA	NA	NA	NA	NA	NA
	3/16/2010	51.96	20.22		31.74	NA	NA	NA	NA	NA	NA
	6/3/2010	51.96	21.18		30.78	NA	NA	NA	NA	NA	NA
	9/1/2010	51.96	21.25		30.71	NA	NA	NA	NA	NA	NA
	12/2/2010	51.96	21.64		30.32	NA	NA	NA	NA	NA	NA

Table 1
Historical Groundwater Elevation Data and Analytical Results
15101 Freedom Avenue, San Leandro, CA

Monitoring Well	Date	Casing Elevation ¹ (feet)	Depth to Groundwater (feet)	Depth corrected for presence of FP (feet)	Groundwater Elevation (feet)	TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MtBE 8260B ² (µg/L)	
MPE-1 cont.	3/3/2011	51.96	19.33		32.63	NA	NA	NA	NA	NA	NA	
	5/19/2011	51.96	20.6		31.36	NA	NA	NA	NA	NA	NA	
	Pre-MPE	8/4/2011	51.96	NM	NC	49,000	210	100	840	7,070	45	
		9/8/2011	51.96	20.83		31.13	NA	NA	NA	NA	NA	
	Post-MPE	9/26/2011	51.96	20.94		31.02	62,000	6,300	3,700	1,800	9,400	1,200
	12/2/2011	51.96	20.14		31.82	56,000	9,000	7,700	2,200	10,800	2,600	
2nd WBZ												
MPE-2	12/1/2009	53.72	22.87		30.85	NA	NA	NA	NA	NA	NA	
	3/16/2010	53.72	21.7		32.02	NA	NA	NA	NA	NA	NA	
	6/3/2010	53.72	22.35		31.37	NA	NA	NA	NA	NA	NA	
	9/1/2010	53.72	23.7		30.02	NA	NA	NA	NA	NA	NA	
	12/2/2010	53.72	22.7		31.02	NA	NA	NA	NA	NA	NA	
	Pre-MPE	3/3/2011	53.72	21.25		32.47	NA	NA	NA	NA	NA	NA
		5/19/2011	53.72	22.19		31.53	NA	NA	NA	NA	NA	NA
		8/4/2011	53.72	NM		NC	46,000	2,100	80	1,900	5,300	75
	Post-MPE	9/8/2011	53.72	22.31		31.41	NA	NA	NA	NA	NA	NA
		9/26/2011	53.72	22.38		31.34	37,000	1,800	33	1,700	2,760	<17
12/2/2011		53.72	21.44		32.28	26,000	1,600	43	1,800	3,370	<17	
2nd WBZ												
MW-1D	1/3/2008	54.42			-	<50	<0.50	<2.0	<0.50	<2.0	<0.50	
	1/22/2008	54.42	22.85		31.57	<50	<0.50	<2.0	<0.50	<2.0	<0.50	
	4/16/2008	54.42	23.10		31.32	<50	<0.5	<2.0	<0.5	<2.0	<0.5	
	7/3/2008	54.42	23.44		30.98	75.9	<0.5	<2.0	0.54	<2.0	<0.5	
	10/15/2008	54.42	23.82		30.60	120	1.6	<0.5	2.8	3.6	<0.5	
	1/8/2009	54.42	23.44		30.98	<50	<0.5	<0.5	<0.5	<0.5	<0.5	
	4/14/2009	54.42	23.06		31.36	<50	<0.5	<0.5	<0.5	<0.5	<0.5	
	8/26/2009	54.42	23.73		30.69	<50	<0.5	<0.5	<0.5	<0.5	<0.5	
	12/1/2009	54.42	23.59		30.83	330 ^Y	<0.5	<0.5	1.3	2.2	<0.5	

Table 1
Historical Groundwater Elevation Data and Analytical Results
15101 Freedom Avenue, San Leandro, CA

Monitoring Well	Date	Casing Elevation ¹ (feet)	Depth to Groundwater (feet)	Depth corrected for presence of FP (feet)	Groundwater Elevation (feet)	TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MtBE 8260B ² (µg/L)
MW-1D cont.	3/16/2010	54.42	22.60		31.82	<50	<0.5	<0.5	<0.5	<0.5	<0.5
	6/4/2010	54.42	23.10		31.32	<50	<0.5	<0.5	<0.5	<0.5	<0.5
	9/1/2010	54.42	23.51		30.91	<50	<0.5	<0.5	0.52	1.8	<0.5
	12/3/2010	54.42	23.41		31.01	61	<0.5	<0.5	1.0	3.73	<0.5
	3/3/2011	54.42	22.27		32.15	<50	<0.5	<0.5	<0.5	<0.5	<0.5
	5/19/2011	54.42	22.89		31.53	<50	<0.5	<0.5	<0.5	<0.5	<0.5
	9/8/2011	54.42	23.08		31.34	220	<0.5	<0.5	0.6	1.4	<0.5
	12/1/2011	54.42	22.26		32.16	<22	<0.33	<0.19	<0.15	<0.20	<0.38
MW-3D	1/3/2008	54.10			-	<50	<0.50	<2.0	<0.50	<2.0	87.6
	1/22/2008	54.10	22.31		31.79	<50	<0.50	<2.0	<0.50	<2.0	88.3
	4/16/2008	54.10	22.64		31.46	<50	<0.5	<2.0	<0.5	<2.0	71.1
	7/3/2008	54.10	23.17		30.93	<50	<0.5	<2.0	<0.5	<2.0	67.4
	10/16/2008	54.10	23.62		30.48	<50	<0.5	<0.5	<0.5	<0.5	37
	1/8/2009	54.10	23.07		31.03	<50	<0.5	<0.5	<0.5	<0.5	29
	4/14/2009	54.10	22.36		31.74	<50	<0.5	<0.5	<0.5	<0.5	44
	8/26/2009	54.10	23.41		30.69	<50	<0.5	<0.5	<0.5	<0.5	20
	12/1/2009	54.10	23.27		30.83	110 Y	<0.5	<0.5	<0.5	0.52	24
	3/16/2010	54.10	22.10		32.00	<50	<0.5	<0.5	<0.5	<0.5	7.1
	6/4/2010	54.10	22.70		31.40	<50	<0.5	<0.5	<0.5	<0.5	17
	9/1/2010	54.10	23.09		31.01	78	<0.5	<0.5	1.1	4.71	24
	12/3/2010	54.10	22.90		31.20	<50	<0.5	<0.5	0.56	1.4	13
	3/3/2011	54.10	21.66		32.44	<50	1.3	<0.5	<0.5	0.59	14
	5/19/2011	54.10	22.61		31.49	<50	<0.5	<0.5	<0.5	<0.5	5.2
	9/8/2011	54.10	22.68		31.42	69	<0.5	<0.5	<0.5	0.62	4.8
	12/1/2011	54.10	22.86		31.24	<22	<0.33	<0.19	<0.15	<0.20	10

Table 1
Historical Groundwater Elevation Data and Analytical Results
15101 Freedom Avenue, San Leandro, CA

Monitoring Well	Date	Casing Elevation ¹ (feet)	Depth to Groundwater (feet)	Depth corrected for presence of FP (feet)	Groundwater Elevation (feet)	TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MtBE 8260B ² (µg/L)
MW-4D	1/4/2008	53.12			-	<50	<0.50	<2.0	<0.50	<2.0	<0.50
	1/22/2008	53.12	21.11		32.01	91.5	18.7	<2.0	7.08	11.42	219
	4/15/2008	53.12	21.67		31.45	<50	<0.5	<2.0	<0.5	<2.0	27
	7/3/2008	53.12	22.39		30.73	<50	<0.5	<2.0	<0.5	<2.0	6.27
	10/16/2008	53.12	22.98		30.14	<50	<0.5	<0.5	<0.5	<0.5	1.9
	1/8/2009	53.12	22.25		30.87	<50	<0.5	<0.5	<0.5	<0.5	2
	4/14/2009	53.12	21.34		31.78	<50	<0.5	<0.5	<0.5	<0.5	2.2
	8/27/2009	53.12	22.79		30.33	<50	<0.5	<0.5	<0.5	<0.5	2.2
	12/1/2009	53.12	22.49		30.63	120 ^Y	<0.5	<0.5	1.4	2.3	2.3
	3/16/2010	53.12	21.02		32.10	<50	<0.5	<0.5	<0.5	<0.5	0.65
	6/4/2010	53.12	21.93		31.19	<50	<0.5	<0.5	<0.5	<0.5	1.1
	9/1/2010	53.12	23.32		29.80	<50	<0.5	<0.5	0.85	3.76	2.2
	12/3/2010	53.12	22.46		30.66	<50	<0.5	<0.5	<0.5	0.67	<0.5
	3/3/2011	53.12	20.45		32.67	<50	<0.5	<0.5	<0.5	<0.5	0.58
	5/19/2011	53.12	21.57		31.55	<50	<0.5	<0.5	<0.5	<0.5	<0.5
9/8/2011	53.12	21.92		31.20	59	<0.5	<0.5	<0.5	0.51	1.7	
	12/1/2011	53.12	21.19		31.93	<22	<0.33	<0.19	<0.15	<0.20	4.2
1573 153 RD	7/2/2008	NS	NM		NC	<50	<0.5	<2.0	<0.5	<2.0	<0.5
	10/16/2008	NS	NM		NC	<50	<0.5	<0.5	<0.5	<0.5	<0.5
Equipment Blanks											
EB-PMP	1/21/2008	-	-		-	<50	<0.50	<2.0	<0.50	<2.0	<0.50
EB-PRB	1/21/2008	-	-		-	<50	<0.50	<2.0	<0.50	<2.0	<0.50
EB-PMP2	1/22/2008	-	-		-	<50	<0.50	<2.0	<0.50	<2.0	<0.50
EB-PRB2	1/22/2008	-	-		-	<50	<0.50	<2.0	<0.50	<2.0	<0.50
ESL (ug/L)	-	-	-		-	100	1	40	30	20	5

Table 1
Historical Groundwater Elevation Data and Analytical Results
15101 Freedom Avenue, San Leandro, CA

Monitoring Well	Date	Casing Elevation ¹ (feet)	Depth to Groundwater (feet)	Depth corrected for presence of FP (feet)	Groundwater Elevation (feet)	TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MtBE 8260B ² (µg/L)
-----------------	------	---	--------------------------------	---	---------------------------------	-----------------	-------------------	-------------------	-------------------------	-------------------------	-----------------------------------

Notes:

The first time SOMA monitored this Site was in May 2002.

*: Due to minimal recharge rates in well MW-2, the groundwater elevation recorded on these dates did not match the overall site conditions, May 2002 & August 2003.

NC: Not Calculated

¹ : Top of casing elevations were surveyed to a datum of 67.07 M.S.L by Kier & Wright Civil Engineers & Land Surveyors on May 7, 2002.

On October 11, 2004, the site was re-surveyed by Harrington Surveys, Inc. of Walnut Creek, CA to a datum of California Coordinate System, Zone 3, NAD 83.

² MtBE analyzed by EPA Method 8021B, and confirmed by EPA Method 8260B.

<: Not detected above the laboratory reporting limit.

Y: Sample exhibits chromatographic pattern which does not resemble standard

^c Presence confirmed, but confirmation concentration differed by more than a factor of two.

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

H: Heavier hydrocarbons contributed to the quantitation.

x: Does not match pattern of reference Gasoline Standard. Hydrocarbons in the range of C5-C12 quantified as gasoline (possibly aged gasoline)

NA: Not Analyzed. Well MW-8 was inaccessible during the First Quarter 2005, car was parked over well.
 Not Analyzed. Well MW-7 was inaccessible during the First Quarter 2006, car was parked over well.

NM: Not Measured. Well MW-8 was inaccessible during the First Quarter 2005, car was parked over well.
 Not Measured. Well MW-7 was inaccessible during the First Quarter 2006, car was parked over well.

The first time SOMA monitored wells MW-6 to MW-9 was in September 2004.

EB-PMP/EB-PRB: Equipment Blanks for Pump and Probe

ESL: Environmental Screening Levels per CRWQCB SFBay Region Interim Final Nov. 2007 (Revised May 2008);

Table F-1a, Groundwater Screening Levels (groundwater is a current or potential drinking water resource)

MW-8 and MW-9 were decommissioned November 13, 2009

FP: During Q4 2011 GWM Free-Product was observed in MW-6

Table 2
Historical Gasoline Oxygenates Results
15101 Freedom Avenue, San Leandro, CA

Monitoring Well	Date	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)
1st WBZ							
MW-1	8/8/2002	78	<1.3	<1.3	<1.3	NA	NA
	11/1/2002	42	< 1.0	< 1.0	< 1.0	NA	NA
	2/21/2003	47	<0.5	<0.5	<0.5	NA	NA
	5/28/2003	25	<0.5	<0.5	<0.5	NA	NA
	8/12/2003	<10	<0.5	<0.5	<0.5	NA	NA
	10/9/2003	70	<1.0	<1.0	<1.0	NA	NA
	1/15/2004	55	<0.5	<0.5	<0.5	NA	NA
	5/25/2004	62	<0.7	<0.7	<0.7	NA	NA
	9/21/2004	<10	<0.5	<0.5	<0.5	NA	NA
	12/14/2004	<21.5	<4.3	<4.3	<17.2	NA	NA
	3/11/2005	81	<0.5	<0.5	<2.0	NA	NA
	6/15/2005	<10	<0.5	<0.5	<2.0	NA	NA
	8/26/2005	68.9	<2.15	<2.15	<8.6	NA	NA
	11/11/2005	46	<2.15	<2.15	<8.6	NA	NA
	2/9/2006	11.3	<0.5	<0.5	<2.0	NA	NA
	5/9/2006	<10	<0.5	<0.5	<2.0	0.51	<0.5
	8/10/2006	<43	<2.15	<2.15	<8.60	3.37	<2.15
	10/26/2006	39.4	<1.0	<1.0	<4.0	2.92	<1.0
	1/25/2007	41.4	<0.5	<0.5	<2.0	1.36	<0.5
	4/26/2007	39.6	<0.5	<0.5	<2.0	<0.5	<0.5
	7/25/2007	46.5	<1.0	<1.0	<4.0	<1.0	<1.0
	10/23/2007	53.7	<0.5	<0.5	<2.0	<0.5	<0.5
	1/22/2008	23.8	<0.5	<0.5	<0.5	2.16	<0.5
	4/16/2008	8.36	<0.5	<0.5	<0.5	<2.0	<0.5
	7/3/2008	30.5	<0.5	<0.5	<0.5	<2.0	1.08
	10/15/2008	<20	<1.0	<1.0	<1.0	<1.0	<1.0
	1/7/2009	<25	<1.3	<1.3	<1.3	<1.3	<1.3
	4/14/2009	15	<0.5	<0.5	<0.5	<0.5	<0.5
	8/27/2009	<40	<2.0	<2.0	<2.0	<2.0	<2.0
	12/2/2009	<40	<2.0	<2.0	<2.0	<2.0	<2.0
	3/17/2010	<10	<0.5	<0.5	<0.5	<0.5	<0.5
	6/3/2010	26	<0.5	<0.5	<0.5	<0.5	<0.5
9/2/2010	<100	<5.0	<5.0	<5.0	<5.0	<5.0	
12/2/2010	<63	<3.1	<3.1	<3.1	<3.1	<3.1	
3/4/2011	40	<0.5	<0.5	<0.5	<0.5	<0.5	
5/20/2011	<71	<3.6	<3.6	<3.6	<3.6	<3.6	
9/9/2011	33	<1.3	<1.3	<1.3	<1.3	<1.3	
12/2/2011	49	<3.2	<3.5	<2.8	<2.4	<1.7	
MW-2							
MW-2	8/8/2002	21	<0.5	<0.5	<0.5	NA	NA
	11/1/2002	15	<0.5	<0.5	<0.5	NA	NA
	2/21/2003	12	<0.5	<0.5	<0.5	NA	NA
	5/28/2003	31	<0.5	<0.5	<0.5	NA	NA
	8/12/2003	69	<0.8	<0.8	<0.8	NA	NA
	10/9/2003	12	<0.5	<0.5	<0.5	NA	NA
	1/15/2004	<10	<0.5	<0.5	<0.5	NA	NA
	5/25/2004	14	<0.5	<0.5	<0.5	NA	NA
	9/21/2004	<10	<0.5	<0.5	<0.5	NA	NA
	12/14/2004	<2.5	<0.5	<0.5	<2.0	NA	NA

Table 2
Historical Gasoline Oxygenates Results
15101 Freedom Avenue, San Leandro, CA

Monitoring Well	Date	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)
MW-2 cont.	3/11/2005	<2.5	<0.5	<0.5	<2.0	NA	NA
	6/15/2005	<10	<0.5	<0.5	<2.0	NA	NA
	8/26/2005	<10	<0.5	<0.5	<2.0	NA	NA
	11/11/2005	<10	<0.5	<0.5	<2.0	NA	NA
	2/9/2006	<10	<0.5	<0.5	<2.0	NA	NA
	5/9/2006	<10	<0.5	<0.5	<2.0	<0.5	<0.5
	8/10/2006	<10	<0.5	<0.5	<2.0	<0.5	<0.5
	10/26/2006	<10	<0.5	<0.5	<2.0	<0.5	<0.5
	1/25/2007	<2.0	<0.5	<0.5	<2.0	<0.5	<0.5
	4/26/2007	<2.0	<0.5	<0.5	<2.0	<0.5	<0.5
	7/25/2007	<2.0	<0.5	<0.5	<2.0	<0.5	<0.5
	10/23/2007	<2.0	<0.5	<0.5	<2.0	<0.5	<0.5
	1/22/2008	<2.0	<0.5	<0.5	<2.0	<0.5	<0.5
	4/15/2008	<2.0	<0.5	<0.5	<2.0	2.44	<0.5
	7/2/2008	<2.0	<0.5	<0.5	<2.0	<0.5	<0.5
	10/15/2008	<10	<0.5	<0.5	<0.5	<0.5	<0.5
	1/7/2009	<10	<0.5	<0.5	<0.5	<0.5	<0.5
	4/13/2009	<10	<0.5	<0.5	<0.5	<0.5	<0.5
	8/27/2009	<10	<0.5	<0.5	<0.5	<0.5	<0.5
	12/1/2009	<10	<0.5	<0.5	<0.5	<0.5	<0.5
	3/17/2010	<10	<0.5	<0.5	<0.5	<0.5	<0.5
	6/3/2010	<10	<0.5	<0.5	<0.5	<0.5	<0.5
	9/2/2010	<10	<0.5	<0.5	<0.5	<0.5	<0.5
	12/2/2010	<10	<0.5	<0.5	<0.5	<0.5	<0.5
	3/4/2011	<10	<0.5	<0.5	<0.5	<0.5	<0.5
	5/20/2011	<10	<0.5	<0.5	<0.5	<0.5	<0.5
	9/9/2011	<10	<0.5	<0.5	<0.5	<0.5	<0.5
	12/2/2011	<13	<3.2	<3.5	<2.8	<2.4	<1.7
MW-3	8/8/2002	<330	<8.3	<8.3	330	NA	NA
	11/1/2002	85	< 1.3	<1.3	220	NA	NA
	2/21/2003	140	<5.0	<5.0	320	NA	NA
	5/28/2003	520	<10	<10	530	NA	NA
	8/12/2003	180	<4.2	<4.2	270	NA	NA
	10/9/2003	<170	<8.3	<8.3	200	NA	NA
	1/15/2004	<100	<5.0	<5.0	150	NA	NA
	5/25/2004	<100	<5.0	<5.0	270	NA	NA
	9/21/2004	<140	<7.1	<7.1	110	NA	NA
	12/14/2004	<100	<20	<20	154	NA	NA
	3/11/2005	<215	<43	<43	256	NA	NA
	6/15/2005	<215	<10.8	<10.8	374	NA	NA
	8/26/2005	699	<21.5	<21.5	277	NA	NA
	11/11/2005	<430	<21.5	<21.5	171	NA	NA
	2/9/2006	<430	<21.5	<21.5	620	NA	NA
	5/9/2006	367	<10.8	<10.8	594	<10.8	<10.8
	8/10/2006	365	<10.8	<10.8	727	<10.8	<10.8
	10/26/2006	591	<10.8	<10.8	899	<10.8	<10.8
	1/25/2007	711	<10.8	<10.8	768	<10.8	<10.8
	4/26/2007	690	<10.8	<10.8	369	<10.8	<10.8
	7/25/2007	1,340	<10.8	<10.8	565	<10.8	<10.8
	10/23/2007	1,050	<21.5	<21.5	301	<21.5	<21.5
	1/22/2008	373	<10.8	<10.8	170	<0.5	<0.5
4/16/2008	881	<5.50	<5.50	<22.0	1,850	12.1	
7/3/2008	426	<10.8	<10.8	124	<10.8	<10.8	
10/16/2008	<400	<20	<20	<20	<20	<20	
1/8/2009	<500	<25	<25	<25	<25	<25	
4/13/2009	<500	<25	<25	<25	<25	<25	
8/27/2009	<500	<25	<25	<25	<25	<25	
12/2/2009	270	<13	<13	<13	<13	<13	

Table 2
Historical Gasoline Oxygenates Results
15101 Freedom Avenue, San Leandro, CA

Monitoring Well	Date	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)
MW-3 cont.	3/17/2010	<250	<13	<13	<13	<13	<13
	6/3/2010	<250	<13	<13	<13	<13	<13
	9/2/2010	<250	<13	<13	<13	<13	<13
	12/2/2010	<130	<6.3	<6.3	<6.3	<6.3	<6.3
	3/4/2011	<170	<8.3	<8.3	<8.3	<8.3	<8.3
	5/20/2011	<130	<6.3	<6.3	<6.3	<6.3	<6.3
	9/9/2011	<140	<7.1	<7.1	<7.1	<7.1	<7.1
	12/2/2011	<6.6	<1.6	<1.7	<1.4	<1.2	<0.86
MW-4	8/8/2002	1500	<17	<17	18	NA	NA
	11/1/2002	580	< 5.0	6	13	NA	NA
	2/21/2003	1600	<20	22	<20	NA	NA
	5/28/2003	690	<8.3	<8.3	17	NA	NA
	8/12/2003	550	<7.1	7.3	18	NA	NA
	10/9/2003	1400	<31	50	<31	NA	NA
	1/15/2004	1,300	<20	25	21	NA	NA
	5/25/2004	560	<8.3	<8.3	24	NA	NA
	9/21/2004	1,300	<50	<50	<50	NA	NA
	12/14/2004	826	<10.75	21	49	NA	NA
	3/11/2005	1,110	<10.8	12.1	<43	NA	NA
	6/15/2005	<110	<5.5	<5.5	22.9	NA	NA
	8/26/2005	902	<5.50	<5.50	37.4	NA	NA
	11/11/2005	884	<10.8	<10.8	<43	NA	NA
	2/9/2006	769	<10.8	16.4	45.6	NA	NA
	5/9/2006	405	<2.15	2.95	31.3	<2.15	<2.15
	8/10/2006	306	<2.15	<2.15	35.3	<2.15	<2.15
	10/26/2006	3430	<10.8	13.8	<43	<10.8	<10.8
	1/25/2007	822	<2.15	2.4	28	2.25	<2.15
	4/26/2007	556	<2.15	2.28	29.2	<2.15	<2.15
	7/25/2007	1,860	<2.15	9.94	24	<2.15	<2.15
	10/23/2007	3,400	<2.15	18.4	25.9	<2.15	<2.15
	1/22/2008	2,580	<5.50	64.7	<22	<0.5	<0.5
	4/15/2008	1,100	<5.50	11.7	<22	39.9	<5.50
	7/2/2008	8,720	<5.50	75.2	<22	<5.50	<5.50
	10/16/2008	700	<3.6	4.2	37	5.4	<3.6
	1/8/2009	1,500	<3.6	9.9	41	3.6	<3.6
	4/13/2009	1,100	<8.3	<8.3	28	<8.3	<8.3
	8/27/2009	4,900	<5.0	24	<5.0	<5.0	<5.0
	12/2/2009	6,800	<5.0	69	<5.0	<5.0	<5.0
	3/17/2010	1,900	<3.6	18	<3.6	<3.6	<3.6
	6/3/2010	930	<3.6	7.7	<3.6	<3.6	<3.6
9/2/2010	7,200	<3.6	57	<3.6	<3.6	<3.6	
12/2/2010	3,800	<10	30	<10	<10	<10	
3/3/2011	410	<0.71	3.2	<0.71	<0.71	<0.71	
5/19/2011	130	<0.5	1.4	<0.5	<0.5	<0.5	
9/8/2011	380	<0.5	3.5	<0.5	1.1	<0.5	
12/1/2011	790	<1.6	5.4	8.2	<1.2	<0.86	
MW-5	8/8/2002	<250	<6.3	<6.3	510	NA	NA
	11/1/2002	66	< 2.0	< 2.0	560	NA	NA
	2/21/2003	<63	<3.1	<3.1	280	NA	NA
	5/28/2003	<33	<1.7	<1.7	110	NA	NA
	8/12/2003	130	<3.6	<3.6	270	NA	NA
	10/9/2003	<100	<5.0	<5.0	740	NA	NA
	1/15/2004	<63	<3.1	<3.1	300	NA	NA
	5/25/2004	<100	<5.0	<5.0	210	NA	NA
	9/21/2004	<130	<6.3	<6.3	550	NA	NA
	12/14/2004	40	<5.5	<5.5	444	NA	NA

Table 2
Historical Gasoline Oxygenates Results
15101 Freedom Avenue, San Leandro, CA

Monitoring Well	Date	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)	
MW-5 cont.	3/11/2005	88.8	<5.5	<5.5	448	NA	NA	
	6/15/2005	<43	<2.15	<2.15	88.1	NA	NA	
	8/26/2005	274	<5.50	<5.50	195	NA	NA	
	11/11/2005	192	<5.50	<5.50	360	NA	NA	
	2/9/2006	218	<5.50	<5.50	523	NA	NA	
	5/9/2006	91.8	<2.15	<2.15	163	<2.15	<2.15	
	8/10/2006	138	<5.50	<5.50	342	<5.50	<5.50	
	10/26/2006	322	<5.50	<5.50	712	<5.50	<5.50	
	1/25/2007	878	<5.50	<5.50	552	<5.50	<5.50	
	4/26/2007	708	<2.15	<2.15	310	<2.15	<2.15	
	7/25/2007	1,020	<2.15	<2.15	356	<2.15	<2.15	
	10/23/2007	1,510	<2.15	<2.15	181	<2.15	<2.15	
	1/22/2008	470	<0.5	4.56	62.1	<0.5	<0.5	
	4/15/2008	566	<1.0	<1.0	29.6	231	5.66	
	7/3/2008	2,320	<2.15	<2.15	53.3	<2.15	<2.15	
	10/16/2008	990	<5.0	<5.0	82	<5.0	<5.0	
	1/8/2009	360	<6.3	<6.3	51	<6.3	<6.3	
	4/13/2009	280	<3.1	<3.1	<3.1	<3.1	<3.1	
	8/27/2009	1,300	<5.0	<5.0	<5.0	<5.0	<5.0	
	12/2/2009	320	<5.0	<5.0	25	<5.0	<5.0	
Pre- MPE	3/17/2010	570	<1.0	<1.0	<1.0	<1.0	<1.0	
	6/4/2010	340	<1.0	<1.0	<1.0	<1.0	<1.0	
	9/2/2010	320	<2.5	<2.5	13	<2.5	<2.5	
	12/2/2010	200	<3.1	<3.1	<3.1	<3.1	<3.1	
	3/4/2011	180	<0.5	<0.5	<0.5	<0.5	<0.5	
	5/20/2011	480	<1.0	<1.0	<1.0	<1.0	<1.0	
	8/4/2011	110	<0.71	<0.71	2.6	<0.71	<0.71	
	9/9/2011	260	<1.0	<1.0	11	<1.0	<1.0	
	12/2/2011	95	<3.2	<3.5	14	<2.4	<1.7	
	MW-6	9/21/2004	<10	<0.5	<0.5	<0.5	NA	NA
		12/14/2004	<5.5	<5.5	<5.5	<22	NA	NA
		3/11/2005	2.54	<0.5	<0.5	<2.0	NA	NA
6/15/2005		<20	<1.0	<1.0	<4.0	NA	NA	
8/26/2005		<43	<2.15	<2.15	<8.6	NA	NA	
11/11/2005		<43	<2.15	<2.15	<8.6	NA	NA	
2/9/2006		<43	<2.15	<2.15	<8.6	NA	NA	
5/9/2006		<10	<0.5	<0.5	<2.0	<0.5	<0.5	
8/10/2006		<10	<0.5	<0.5	<2.0	<0.5	<0.5	
10/26/2006		<10	<0.5	<0.5	<2.0	<0.5	<0.5	
1/25/2007		<2.0	<0.5	<0.5	<2.0	<0.5	<0.5	
4/26/2007		7.21	<0.5	<0.5	<2.0	<0.5	<0.5	
7/25/2007		5.66	<0.5	<0.5	<2.0	<0.5	<0.5	
10/23/2007		6.68	<0.5	<0.5	<2.0	<0.5	<0.5	
1/21/2008		13.9	<0.5	<0.5	<2.0	<0.5	<0.5	
4/15/2008		<2.0	<0.5	<0.5	<2.0	6.78	1.49	
7/2/2008		4.54	<0.5	<0.5	<2.0	<0.5	<0.5	
10/15/2008		<10	<0.5	<0.5	<0.5	<0.5	<0.5	
1/7/2009		<63	<3.1	<3.1	<3.1	<3.1	<3.1	
4/13/2009		<25	<1.3	<1.3	<1.3	<1.3	<1.3	
8/26/2009		<40	<2.0	<2.0	<2.0	<2.0	<2.0	
12/1/2009		<40	<2.0	<2.0	<2.0	<2.0	<2.0	
3/16/2010		<40	<2.0	<2.0	<2.0	<2.0	<2.0	
6/3/2010		<40	<2.0	<2.0	<2.0	<2.0	<2.0	
9/1/2010	<200	<10	<10	<10	<10	<10		
12/2/2010	<330	<17	<17	<17	<17	<17		
3/3/2011	<50	<2.5	<2.5	<2.5	<2.5	<2.5		
5/20/2011	<50	<2.5	<2.5	<2.5	<2.5	<2.5		
9/8/2011	<50	<2.5	<2.5	<2.5	<2.5	<2.5		
12/1/2011	FP	FP	FP	FP	FP	FP		

Table 2
Historical Gasoline Oxygenates Results
15101 Freedom Avenue, San Leandro, CA

Monitoring Well	Date	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)
MW-7	9/21/2004	<10	<0.5	<0.5	1.5	NA	NA
	12/14/2004	<2.5	<0.5	<0.5	<2.0	NA	NA
	3/11/2005	<12.5	<2.5	<2.5	<10	NA	NA
	6/15/2005	<10	<0.5	<0.5	2.23	NA	NA
	8/26/2005	<10	<0.5	<0.5	<2.0	NA	NA
	11/11/2005	<10	<0.5	<0.5	<2.0	NA	NA
	2/9/2006	NA	NA	NA	NA	NA	NA
	5/9/2006	<10	<0.5	<0.5	<2.0	<0.5	<0.5
	8/10/2006	<10	<0.5	<0.5	<2.0	<0.5	<0.5
	10/26/2006	<10	<0.5	<0.5	<2.0	<0.5	<0.5
	1/25/2007	<2.0	<0.5	<0.5	<2.0	<0.5	<0.5
	4/26/2007	<2.0	<0.5	<0.5	<2.0	<0.5	<0.5
	7/25/2007	<2.0	<0.5	<0.5	<2.0	<0.5	<0.5
	10/23/2007	6.49	<0.5	<0.5	2.58	<0.5	<0.5
	1/21/2008	<2.0	<0.5	<0.5	6.01	<0.5	<0.5
	4/15/2008	8.8	<0.5	<0.5	<2.0	<0.5	1.26
	7/2/2008	<2.0	<0.5	<0.5	<2.0	<0.5	<0.5
	10/15/2008	<10	<0.5	<0.5	14	<0.5	<0.5
	1/7/2009	<10	<0.5	<0.5	11	<0.5	<0.5
	4/13/2009	<10	<0.5	<0.5	16	<0.5	<0.5
	8/26/2009	<33	<0.5	<0.5	33	<0.5	<0.5
	12/1/2009	<10	<0.5	<0.5	30	<0.5	<0.5
	3/16/2010	11	<0.5	<0.5	<0.5	<0.5	<0.5
	6/3/2010	20	<0.5	<0.5	7.1	<0.5	<0.5
	9/1/2010	47	<0.5	<0.5	7.2	<0.5	<0.5
	12/2/2010	22	<0.5	<0.5	4.9	<0.5	<0.5
	3/4/2011	14	<0.5	<0.5	4.0	<0.5	<0.5
5/19/2011	<10	<0.5	<0.5	2.1	<0.5	<0.5	
9/8/2011	<10	<0.5	<0.5	1.6	<0.5	<0.5	
12/1/2011	15	<0.36	<0.40	2.4	<0.28	<0.19	
MW-8	9/21/2004	<10	<0.5	<0.5	<0.5	NA	NA
	12/14/2004	<2.5	<0.5	<0.5	<2.0	NA	NA
	3/11/2005	NA	NA	NA	NA	NA	NA
	6/15/2005	<10	<0.5	<0.5	<2.0	NA	NA
	8/26/2005	<10	<0.5	<0.5	<2.0	NA	NA
	11/11/2005	<10	<0.5	<0.5	<2.0	NA	NA
	2/9/2006	<10	<0.5	<0.5	<2.0	NA	NA
	5/9/2006	<10	<0.5	<0.5	<2.0	<0.5	<0.5
	8/10/2006	<10	<0.5	<0.5	<2.0	<0.5	<0.5
	10/26/2006	<10	<0.5	<0.5	<2.0	<0.5	<0.5
	1/25/2007	<2.0	<0.5	<0.5	<2.0	<0.5	<0.5
	4/26/2007	<2.0	<0.5	<0.5	<2.0	<0.5	<0.5
	7/25/2007	<2.0	<0.5	<0.5	<2.0	<0.5	<0.5
	10/23/2007	<2.0	<0.5	<0.5	<2.0	<0.5	<0.5
	1/21/2008	<2.0	<0.5	<0.5	<2.0	<0.5	<0.5
	4/15/2008	<2.0	<0.5	<0.5	<2.0	<0.5	<0.5
	7/2/2008	<2.0	<0.5	<0.5	<2.0	<0.5	<0.5
	10/15/2008	<10	<0.5	<0.5	<0.5	<0.5	<0.5
1/7/2009	<10	<0.5	<0.5	<0.5	<0.5	<0.5	
4/13/2009	<10	<0.5	<0.5	<0.5	<0.5	<0.5	
8/27/2009	<10	<0.5	<0.5	<0.5	<0.5	<0.5	
Well Decommissioned 11/13/2009							
MW-9	9/21/2004	<10	<0.5	<0.5	<0.5	NA	NA
	12/14/2004	<2.5	<0.5	<0.5	<2.0	NA	NA

Table 2
Historical Gasoline Oxygenates Results
15101 Freedom Avenue, San Leandro, CA

Monitoring Well	Date	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)
MW-9 contd.	3/11/2005	<2.5	<0.5	<0.5	<2.0	NA	NA
	6/15/2005	<10	<0.5	<0.5	<2.0	NA	NA
	8/26/2005	<10	<0.5	<0.5	<2.0	NA	NA
	11/11/2005	<10	<0.5	<0.5	<2.0	NA	NA
	2/9/2006	<10	<0.5	<0.5	<2.0	NA	NA
	5/9/2006	<10	<0.5	<0.5	<2.0	2.8	<0.5
	8/10/2006	<10	<0.5	<0.5	<2.0	1.83	<0.5
	10/26/2006	<10	<0.5	<0.5	<2.0	3.07	<0.5
	1/25/2007	<2.0	<0.5	<0.5	<2.0	2.92	<0.5
	4/26/2007	<2.0	<0.5	<0.5	<2.0	<0.5	<0.5
	7/25/2007	<2.0	<0.5	<0.5	<2.0	<0.5	<0.5
	10/23/2007	<2.0	<0.5	<0.5	<2.0	<0.5	<0.5
	1/21/2008	<2.0	<0.5	<0.5	<2.0	1.18	<0.5
	4/15/2008	<2.0	<0.5	<0.5	<2.0	<0.5	<0.5
	7/2/2008	<2.0	<0.5	<0.5	<2.0	2.07	<0.5
	10/15/2008	<10	<0.5	<0.5	<0.5	1.5	<0.5
	1/7/2009	<10	<0.5	<0.5	<0.5	1.4	<0.5
	4/13/2009	<10	<0.5	<0.5	<0.5	0.97	<0.5
	8/26/2009	<10	<0.5	<0.5	<0.5	2.6	<0.5
Well Decommissioned 11/13/2009							
EX-1	12/2/2009	150	<1.3	<1.3	<1.3	<1.3	<1.3
	3/16/2010	980	<1.3	2.4	27	<1.3	<1.3
	6/3/2010	570	<1.3	1.9	<1.3	<1.3	<1.3
	9/1/2010	470	<0.5	1.4	2	<0.5	<0.5
	12/2/2010	1,300	<2.0	3.6	15	<2.0	<2.0
	3/3/2011	690	<0.71	2.5	12	<0.71	<0.71
	5/19/2011	370	<0.71	1.9	13	<0.71	<0.71
	9/8/2011	32	<0.5	<0.5	0.53	<0.5	<0.5
	12/1/2011	1,200	<1.6	8.3	6.8	<1.2	<0.86
	EX-2	12/2/2009	<63	<3.1	<3.1	<3.1	<3.1
3/16/2010		<100	<5.0	<5.0	<5.0	<5.0	<5.0
6/3/2010		<100	<5.0	<5.0	<5.0	<5.0	<5.0
9/1/2010		<50	<2.5	<2.5	<2.5	<2.5	<2.5
12/2/2010		<100	<5.0	<5.0	<5.0	<5.0	<5.0
3/3/2011		<100	<5.0	<5.0	<5.0	<5.0	<5.0
5/19/2011		<100	<5.0	<5.0	<5.0	<5.0	<5.0
9/8/2011		<25	<1.3	<1.3	<1.3	<1.3	<1.3
12/1/2011		74	<3.2	<3.5	<2.8	<2.4	<1.7
MPE Wells							
MPE-1	8/4/2011	<500	<25	<25	<25	<25	<25
	9/26/2011	<500	<25	<25	600	<25	<25
	12/2/2011	830	<32	<35	750	<24	<17
MPE-2	8/4/2011	<330	<17	<17	<17	<17	<17
	9/26/2011	<330	<17	<17	<17	<17	<17
	12/2/2011	<66	<16	<17	<14	<12	<8.6
2nd WBZ							
MW-1D	1/3/2008	111	<0.5	<0.5	<2.0	NA	NA
	1/22/2008	12.9	<0.5	<0.5	<2.0	<0.5	<0.5
	4/16/2008	<2.0	<0.5	<0.5	<2.0	<0.5	<0.5
	7/3/2008	<2.0	<0.5	<0.5	<2.0	<0.5	<0.5
	10/15/2008	<10	<0.5	<0.5	<0.5	<0.5	<0.5
	1/8/2009	<10	<0.5	<0.5	<0.5	<0.5	<0.5
	4/14/2009	<10	<0.5	<0.5	<0.5	<0.5	<0.5
	8/26/2009	<10	<0.5	<0.5	<0.5	<0.5	<0.5
	12/1/2009	<10	<0.5	<0.5	<0.5	<0.5	<0.5
	3/16/2010	<10	<0.5	<0.5	<0.5	<0.5	<0.5
	6/4/2010	<10	<0.5	<0.5	<0.5	<0.5	<0.5
	9/1/2010	<10	<0.5	<0.5	<0.5	<0.5	<0.5
	12/3/2010	<10	<0.5	<0.5	<0.5	<0.5	<0.5

Table 2
Historical Gasoline Oxygenates Results
15101 Freedom Avenue, San Leandro, CA

Monitoring Well	Date	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)
MW-1D cont.	3/3/2011	<10	<0.5	<0.5	<0.5	<0.5	<0.5
	5/19/2011	<10	<0.5	<0.5	<0.5	<0.5	<0.5
	9/8/2011	<10	<0.5	<0.5	<0.5	<0.5	<0.5
	12/1/2011	<1.5	<0.36	<0.40	<0.32	<0.28	<0.19
MW-3D	1/3/2008	37.3	<0.5	3.12	15.3	NA	NA
	1/22/2008	15.6	<0.5	3.1	15.3	<0.5	<0.5
	4/16/2008	17.7	<0.5	<0.5	<2.0	<0.5	<0.5
	7/3/2008	<2.0	<0.5	<0.5	7.45	<0.5	<0.5
	10/16/2008	<10	<0.5	<0.5	4.7	<0.5	<0.5
	1/8/2009	<10	<0.5	<0.5	3.4	<0.5	<0.5
	4/14/2009	<10	<0.5	<0.5	5	<0.5	<0.5
	8/26/2009	<10	<0.5	<0.5	1.6	<0.5	<0.5
	12/1/2009	<10	<0.5	<0.5	2.2	<0.5	<0.5
	3/16/2010	<10	<0.5	<0.5	0.65	<0.5	<0.5
	6/4/2010	<10	<0.5	<0.5	1.8	<0.5	<0.5
	9/1/2010	<10	<0.5	<0.5	<0.5	<0.5	<0.5
	12/3/2010	<10	<0.5	<0.5	0.93	<0.5	<0.5
	3/3/2011	<10	<0.5	<0.5	1.0	<0.5	<0.5
	5/19/2011	<10	<0.5	<0.5	<0.5	<0.5	<0.5
	9/8/2011	<10	<0.5	<0.5	<0.5	<0.5	<0.5
12/1/2011	<1.5	<0.36	<0.40	0.52	<0.28	<0.19	
MW-4D	1/4/2008	25	<0.5	<0.5	<2.0	NA	NA
	1/22/2008	124	<0.5	4.9	3.32	<0.5	<0.5
	4/15/2008	25.7	<0.5	<0.5	<2.0	<0.5	<0.5
	7/3/2008	3.38	<0.5	<0.5	<2.0	<0.5	<0.5
	10/16/2008	<10	<0.5	<0.5	<0.5	<0.5	<0.5
	1/8/2009	<10	<0.5	<0.5	<0.5	<0.5	<0.5
	4/14/2009	<10	<0.5	<0.5	<0.5	<0.5	<0.5
	8/27/2009	<10	<0.5	<0.5	<0.5	<0.5	<0.5
	12/1/2009	<10	<0.5	<0.5	<0.5	<0.5	<0.5
	3/16/2010	<10	<0.5	<0.5	<0.5	<0.5	<0.5
	6/4/2010	<10	<0.5	<0.5	<0.5	<0.5	<0.5
	9/1/2010	<10	<0.5	<0.5	<0.5	<0.5	<0.5
	12/3/2010	<10	<0.5	<0.5	<0.5	<0.5	<0.5
	3/3/2011	<10	<0.5	<0.5	<0.5	<0.5	<0.5
	5/19/2011	<10	<0.5	<0.5	<0.5	<0.5	<0.5
	9/8/2011	<10	<0.5	<0.5	<0.5	<0.5	<0.5
12/1/2011	<1.5	<0.36	<0.40	<0.32	<0.28	<0.19	
1573 153 RD	7/2/2008	<2.0	<0.5	<0.5	<2.0	<0.5	<0.5
	10/16/2008	<10	<0.5	<0.5	<0.5	<0.5	<0.5
EB-PMP	1/21/2008	<2.0	<0.5	<0.5	<2.0	<0.5	<0.5
EB-PRB	1/21/2008	<2.0	<0.5	<0.5	<2.0	<0.5	<0.5
EB-PMP2	1/22/2008	<2.0	<0.5	<0.5	<2.0	<0.5	<0.5
EB-PRB2	1/22/2008	<2.0	<0.5	<0.5	<2.0	<0.5	<0.5
ESL		12	NE	NE	NE	0.5	0.05

Notes:
August 8, 2002 was the first time that samples were analyzed for Gasoline Oxygenates
<: Not detected above the laboratory reporting limit.
NA: Not Analyzed. Well MW-8 was inaccessible during the 1Q05 & well MW-7 (1Q06) car was parked over each well.
NE: Not Established
TBA: tert-Butyl Alcohol
DIPE: Isopropyl Ether
ETBE: Ethyl tert-Butyl Ether
TAME: Methyl tert-Amyl Ether
ESL: Environmental Screening Levels per CRWQCB SFBay Region Interim Final Nov. 2007 (Revised May 2008);
Table F-1a, Groundwater Screening Levels (groundwater is a current or potential drinking water resource)
MW-8 and MW-9 were decommissioned November 13, 2009
FP: During Q4 2011 GWM Free-Product was observed in MW-6

Table 3
Effluent Chemical Analytical Results
and Operational History of Remediation System
15101 Freedom Ave, San Leandro, CA

Date	Volume (gallons)	TPH-g (µg/L)	TPH-d (µg/L)	TPH-mo (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	COD (mg/L)	TSS (mg/L)	pH
2009											
8-Oct-2009	15,351	<50	120 ^Y	NA	NA	NA	NA	NA	NA	NA	NA
19-Nov-2009	8,287	<50	<50	<300	<0.5	<0.5	<0.5	<0.5	<10	<5	7.7
9-Dec-2009	0				Installation of GWETS						
16-Dec-2009	20,000	<50	<50	<300	<0.5	0.65 C	<0.5	0.84 C	<10	<5	7.4
2010											
18-Jan-2010	215,453	<50	<50	<300	<0.5	<0.5	<0.5	<0.5	<10	<5	7.4
15-Feb-2010	297,560	<50	<50	<300	<0.5	<0.5	<0.5	<0.5	11	<5	6.7
15-Mar-2010	475,245	<50	<50	<300	<0.5	<0.5	<0.5	<0.5	<10	<5.0	6.5
19-Apr-2010	621,180	<50	<50	<300	<0.5	<0.5	<0.5	<0.5	<10	8	6.6
17-May-2010	705,770	<50	<50	<300	<0.5	<0.5	<0.5	<0.5	<10	8	6.7
16-Jun-2010	825,200	<50	<50	<300	<0.5	<0.5	<0.5	<0.5	17	9	6.8
19-Jul-2010	910,652	<50	<50	<300	<0.5	<0.5	<0.5	<0.5	<10	8	6.6
16-Aug-2010	939,935	<50	<50	<300	<0.5	<0.5	<0.5	<0.5	<10	6	6.6
28-Sep-2010	970,450	<50	<50	<300	<0.5	<0.5	<0.5	<0.5	<10	10	6.8
26-Oct-2010	1,013,700	<50	<50	<300	<0.5	<0.5	<0.5	<0.5	<10	<5	7.2
15-Nov-2010	1,052,591	<50	<50	<300	<0.5	<0.5	<0.5	<0.5	<10	<5	6.5
7-Dec-2010	1,100,492	<50	<50	<300	<0.5	<0.5	<0.5	<0.5	<10	6	6.6
2011											
11-Jan-2011	1,179,075	<50	<50	<300	<0.5	<0.5	<0.5	<0.5	12	6	6.6
10-Feb-2011	1,249,569	<50	<50	<300	<0.5	<0.5	<0.5	<0.5	<10	<5	6.6
14-Mar-2011	1,336,784	<50	<50	<300	<0.5	<0.5	<0.5	<0.5	<10	<5	6.5
11-Apr-2011	1,364,272	<50	<50	<300	<0.5	<0.5	<0.5	<0.5	<10	6	6.5
10-May-2011	1,466,472	<50	<50	<300	<0.5	<0.5	<0.5	<0.5	12	7	6.6
7-Jun-2011	1,532,263	<50	<50	<300	<0.5	<0.5	<0.5	<0.5	<10	6	6.6

Table 3
Effluent Chemical Analytical Results
and Operational History of Remediation System
 15101 Freedom Ave, San Leandro, CA

Date	Volume (gallons)	TPH-g (µg/L)	TPH-d (µg/L)	TPH-mo (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	COD (mg/L)	TSS (mg/L)	pH
28-Jul-2011	1,573,295	<50	<50	<300	<0.5	<0.5	<0.5	<0.5	<10	5	6.3
25-Aug-2011	1,613,935	77	<50	<300	<0.5	<0.5	<0.5	<0.5	<10	<5	7.1
23-Sep-2011	1,631,273	<50	<50	<300	<0.5	<0.5	<0.5	<0.5	<10	<5	6.7
27-Oct-2011	1,642,277	<50	<50	<300	<0.5	<0.5	<0.5	<0.5	<10	7	7.1
18-Nov-2011	1,676,170	<50	<50	<300	<0.5	<0.5	<0.5	<0.5	<10	<5	7.8
1-Dec-2011	1,694,889	<50	<50	<300	<0.5	<0.5	<0.5	<0.5	<10	<5	6.97

Note:

NA: Not Available/Not Applicable

< : Less than Laboratory-reporting limit

In October and November 2009 discharge occurred only during MPE events
 GWETS and totalizer installed in December 2009.

Week # 1 sampling conducted on Oct 8, 2009

C: Presence confirmed, but RPD between column exceeds 40%

Volume discharged during the October 2009 MPE event was 18,669 gallons

Volume discharged during the November 2009 MPE event was 10,507 gallons

Volume discharged during the December 2009 MPE event was 20,298 gallons

Volume discharged during the February 2010 MPE event was 6,339 gallons

Volume discharged during the March 2010 MPE event was 3,810 gallons

Volume discharged during the June 2010 MPE event was 15,600 gallons

Volume discharged during the August 2010 MPE event was 1,421 gallons

Volume discharged during the October 2010 MPE event was 13,282 gallons

Table 4
Cumulative Masses of Petroleum Hydrocarbons Removed from
the Groundwater Since Installation of the Treatment System
15101 Freedom Ave, San Leandro, CA

Date	Volume (gallons)	Influent Concentration (µg/L)					Mass removed (pounds)				
		TPH-g	Benzene	Toluene	Ethyl- benzene	Total Xylenes	TPH-g	Benzene	Toluene	Ethyl- benzene	Total Xylenes
2009											
9-Dec-2009	0	Installation of GWETS, began discharging treated groundwater to site sewer main									
2010											
18-Jan-2010	215,453	1,900	79	32.00	2.4	260	3.41	0.14	0.06	0.00	0.47
19-Apr-2010	621,180	2,100	75	28	56	332	10.50	0.40	0.15	0.19	1.59
19-Jul-2010	910,652	56 ^Y	<0.5	<0.5	<0.5	<0.5	10.64	0.40	0.15	0.19	1.59
26-Oct-2010	1,013,700	2,600	200	25	68	405	12.87	0.57	0.17	0.25	1.94
2011											
11-Jan-2011	1,179,075	1,700	80	19	50	295	15.21	0.68	0.20	0.32	2.34
11-Apr-2011	1,364,272	1,200	41	3.3	23	185	17.06	0.75	0.20	0.36	2.63
28-Jul-2011	1,573,295	540	21	2.8	5.4	49	18.00	0.78	0.21	0.37	2.71
27-Oct-2011	1,642,277	<50	1.50	<0.5	<0.5	2.9	18.00	0.78	0.21	0.37	2.71

Notes:

< : Below laboratory-reporting limit

Y : sample exhibits chromatographic pattern which does not resemble standard

Appendix A

Standard Operating Procedures for Conducting Groundwater Monitoring Activities

Standard Operating Procedures for Conducting Groundwater Monitoring Activities

Water Level Measurements

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

Purging and Field Measurements

Prior to sample collection, each well is purged using a battery-operated, 2-inch-diameter pump (Model ES-60 DC). During purging, groundwater is measured for parameters such as dissolved oxygen (DO), pH, temperature, electrical conductivity (EC), and oxygen-reduction potential (ORP) using a Hanna HI-9828 multi-parameter instrument. Turbidity is measured using a Hanna HI-98703 portable turbidimeter. The equipment is calibrated at the site using standard solutions and procedures provided by the manufacturer.

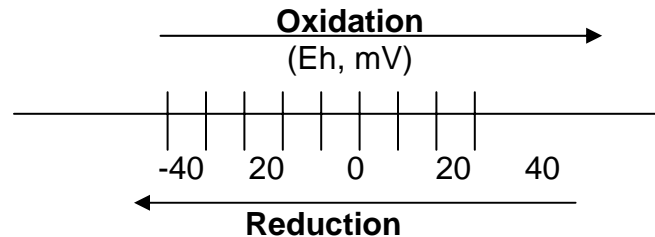
The pH of groundwater has an effect on the activity of microbial populations in the groundwater. The groundwater temperature affects the metabolic activity of bacteria. The groundwater EC is directly related to the concentration of total dissolved solids (TDS) in solution.

There is a strong correlation between the turbidity level and the biological oxygen demand of natural water bodies. The main purpose for checking the turbidity level is to provide a general overview of the extent of the suspended solids in the groundwater.

ORP is the measure of the potential for an oxidation or reduction process to occur. In the oxidation process, a molecule or ion loses one or several electrons. In the reduction process, a molecule or ion gains one or several electrons. The unit of the redox potential is the volt or millivolt. The most important redox reaction in petroleum-contaminated groundwater is the oxidation of petroleum hydrocarbons in the presence of bacteria and free molecular oxygen. Because the solubility of O₂ in water is low (9 mg/L at 25 °C and 11 mg/L at 5 °C), and because the rate of O₂ replenishment in subsurface environments is limited, DO can be entirely consumed when the oxidation of only a small amount of petroleum hydrocarbons occurs.

Oxidation of petroleum hydrocarbons can still occur when all the dissolved O₂ in the groundwater is consumed; however, the oxidizing agents (i.e., the constituents that undergo reduction) now become NO₃⁻, MnO₂, Fe (OH)₃, SO₄²⁻

and others (Freeze and Cherry, 1979). As these oxidizing agents are consumed, the groundwater environment becomes more and more reduced. If the process advances far enough, the environment may become so strongly reduced that the petroleum hydrocarbons undergo anaerobic degradation, resulting in the production of methane and carbon dioxide. The concept of oxidation and reduction in terms of changes in oxidation states is illustrated below.



Purging of wells continues until the parameters for DO, pH, temperature, EC, turbidity, and redox stabilize, or three casing volumes are purged.

Once stabilization occurs, the groundwater samples are also tested on-site for ferrous iron (Fe^{+2}), nitrate (NO_3^-), and sulfate (SO_4^{-2}) concentrations.

Fe^{+2} , NO_3^- , and SO_4^{-2} are measured colorimetrically using the Hach Colorimeter Model 890, a microprocessor-controlled photometer suitable for colorimetric testing in the laboratory or the field. The required reagents for each specific test are provided in AccuVac ampuls.

Sampling

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

Appendix B

Table of Elevations and Coordinates on Monitoring Wells
and Field Measurements of Physical, Chemical, and Natural
Attenuation Parameters of Groundwater Samples

DATE: 1/08/2008
 JOB NUMBER 0208101
 DATE OF SURVEY 1/03/08
 INSTRUMENT LIECA SR520

TABLE OF ELEVATIONS & COORDINATES
 ON MONITORING WELLS
 SOMA ENVIRONMENTAL, PROJECT 15101 FREEDOM DRIVE - SAN LEANDRO

WELL ID#	NORTHING (ft.) LATITUDE	EASTING (ft.) LONGITUDE	ELEVATION (ft.)	DESCRIPTION
MW-1D	2084371.23	6092127.90	54.42	MW-1D NOTCH
	37.708104856	122.123200912	54.94	MW-1D RIM
	37° 42' 29.1" N	122° 07' 23" W	54.74	PAVEMENT
MW-3D	2084303.98	6092183.53	54.10	MW-3D NOTCH
	37.707922851	122.123004590	54.56	MW-3D RIM
	37° 42' 28.5" N	122° 07' 22" W	54.47	PAVEMENT
MW-4D	2084222.77	6092116.37	53.12	MW-4D NOTCH
	37.707696648	122.123231858	53.37	MW-4D RIM
	37° 42' 27.7" N	122° 07' 23" W	53.39	PAVEMENT

BENCH MARK: NGS BENCH MARK NO. HT1871

3.0 KM (1.85 MI) NORTH FROM SAM LORENZO. 1.85 MILES NORTH ALONG INTERSTATE HIGHWAY 580 FROM THE JUNCTION OF STATE HIGHWAY 238 IN SAN LORENZO, IN THE WEST CORNER OF THE CROSSING OF 150TH AVENUE, IN TOP OF THE CONCRETE BRIDGE DECK, 15.5 FEET NORTHWEST OF THE SOUTHWEST BOUND LANES OF THE AVENUE, 10.9 FEET NORTHEAST OF THE SOUTH CORNER OF THE SOUTHWEST END OF THE NORTHWEST CONCRETE GUARDRAIL, 0.7 FOOT NORTHEAST OF THE SOUTHWEST EDGE OF THE DECK, 0.9 FOOT SOUTHEAST OF THE NORTHWEST CONCRETE GUARDRAIL, AND ABOUT LEVEL WITH THE HIGHWAY.

ELEVATION = 58.50 NAVD 88 DATUM

HORIZONTAL AND VERTICAL CONTROL BASED ON HARRINGTON SURVEY DATED 10-12-2004

FD CHABOT A, CALIFORNIA STATE PLAIN COORDINATE SYSTEM, NAD 83, ZONE 3. NORTH 2,088,584.99 EAST 6,093,351.39. LAT N 37°43'11.04190" LONG W 122°07'09.20691", ELEVATION 492.08 NAVD 88.

FD CHABOT B, CALIFORNIA STATE PLAIN COORDINATE SYSTEM, NAD 83, ZONE 3. NORTH 2,087,731.02 EAST 6,094,039.23. . LAT N 37°43'02.71762" LONG W 122°07'00.46339", ELEVATION 442.77 NAVD 88.

DATE: 12/11/2009

JOB# 09039

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

SOMA ENVIRONMENTAL ENGINEERING

15101 FREEDOM AVENUE

SAN LEANDRO, CA 94579

WELL ID #	NORTHING (FT.) / LATITUDE (D.DEG.)	EASTING (FT.) / LONGITUDE (D.DEG.)	ELEVATION (FT.)	DESCRIPTION
EX-1	2084135.454	6092163.720	47.36	4" PVC NOTCH NORTH SIDE
	37.707459134	122.123062972	47.61	SET PUNCH NORTH SIDE RIM
			47.60	PAVEMENT NORTH SIDE
EX-2	2084082.018	6092130.224	45.96	4" PVC NOTCH NORTH SIDE
	37.707310806	122.123175540	47.04	SET PUNCH NORTH SIDE RIM
			47.00	CONCRETE NORTH SIDE
MPE-1	2084213.168	6092125.258	51.96	4" PVC NOTCH NORTH SIDE
	37.707670702	122.123200567	52.49	SET PUNCH NORTH SIDE RIM
			52.51	CONCRETE NORTH SIDE
MPE-2	2084293.133	6092171.374	53.72	4" PVC NOTCH NORTH SIDE
	37.707892479	122.123045970	54.29	SET PUNCH NORTH SIDE RIM
			54.27	PAVEMENT NORTH SIDE

HORIZONTAL AND VERTICAL CONTROL

SURVEY BASED ON PREVIOUS SURVEY BY HARRINGTON SURVEY INC. DATED: 2/21/2008
COORDINATE VALUES ARE BASED ON THE CALIFORNIA COORDINATE SYSTEM, ZONE 3, NAD83.
ELEVATIONS ARE NAVD 88 DATUM.

MW-2, PUNCH
NORTHING 2,084323.44, EASTING 6,092063.77, ELEVATION 52.92

MW-4 PUNCH
NORTHING 2,084250.55, EASTING 6,092124.46, ELEVATION 53.74

EQUIPMENT USED: TRIMBLE S6

Edgis Land Surveying
Land Surveying and mapping
1374 Garland Avenue, Clovis, CA 93612
Phone (559) 906-3554 Fax (559) 292-0560
email: edgis@aol.com





ENVIRONMENTAL ENGINEERING, INC

Well No.: MW-1
 Casing Diameter: 4 inches
 Depth of Well: 30.50 feet
 Top of Casing Elevation: 54.46 feet
 Depth to Groundwater: 21.97 feet
 Groundwater Elevation: 32.49 feet
 Water Column Height: 8.53 feet
 Purged Volume: 14 gallons

Project No.: 2551
 Address: 15101 Freedom Avenue
 San Leandro, CA
 Date: December 2, 2011
 Sampler: Lizzie Hightower

Purging Method: Bailer Pump

Sampling Method: Bailer Pump

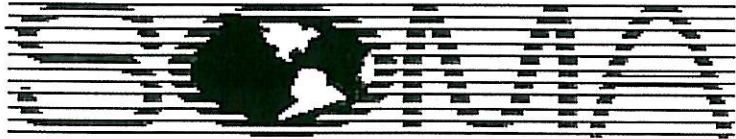
Color: Yes No Describe: _____

Sheen: Yes No Describe: _____

Odor: Yes No Describe: Slight Petro

Field Measurements:

Time	Volume (gallons)	D.O. mg/L	pH	Temp °C	E.C. (µS/cm)	Turb. NTU	ORP
09:42	Started purging well						
09:43	2	2.75	6.10	20.54	1279	6.17	-205.5
09:45	6	2.33	6.07	20.67	1281	5.60	-231.6
09:47	10	1.71	6.07	20.71	1288	6.41	-234.1
09:48	12	1.53	6.07	20.71	1297	7.60	-235.2
09:49	14	1.50	6.06	20.72	1195	6.48	-236.5
09:54	sampled						



ENVIRONMENTAL ENGINEERING, INC

Well No.: MW-2
 Casing Diameter: 4 inches
 Depth of Well: 30.15 feet
 Top of Casing Elevation: 52.41 feet
 Depth to Groundwater: 20.14 feet
 Groundwater Elevation: 32.27 feet
 Water Column Height: 10.01 feet
 Purged Volume: 14 gallons

Project No.: 2551
 Address: 15101 Freedom Avenue
 San Leandro, CA
 Date: December 2, 2011
 Sampler: Lizzie Hightower

Purging Method: Bailer Pump

Sampling Method: Bailer Pump

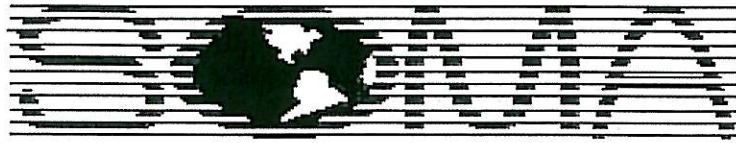
Color: Yes No Describe: _____

Sheen: Yes No Describe: _____

Odor: Yes No Describe: Slight Petro

Field Measurements:

Time	Volume (gallons)	D.O. mg/L	pH	Temp °C	E.C. (µS/cm)	Turb. NTU	ORP
09:16	Started purging well						
09:17	2	3.10	6.21	20.58	1390	6.73	-158.4
09:19	6	2.79	6.05	20.78	1048	8.25	-182.2
09:21	10	2.13	6.02	20.88	1023	10.5	-180.2
09:22	12	1.88	6.01	20.91	1026	10.1	-178.9
09:23	14	1.33	6.00	20.91	1075	9.74	-177.9
09:23	Sampled						



ENVIRONMENTAL ENGINEERING, INC

Well No.: MW-3
 Casing Diameter: 4 inches
 Depth of Well: 29.90 feet
 Top of Casing Elevation: 53.91 feet
 Depth to Groundwater: 21.60 feet
 Groundwater Elevation: 32.31 feet
 Water Column Height: 8.30 feet
 Purged Volume: 14 gallons

Project No.: 2551
 Address: 15101 Freedom Avenue
 San Leandro, CA
 Date: December 2, 2011
 Sampler: Lizzie Hightower

Purging Method: Bailer Pump

Sampling Method: Bailer Pump

Color: Yes No Describe: _____

Sheen: Yes No Describe: _____

Odor: Yes No Describe: Slight Petro

Field Measurements:

Time	Volume (gallons)	D.O. mg/L	pH	Temp °C	E.C. (µS/cm)	Turb. NTU	ORP
10:43	Started purging well						
10:44	2	2.83	6.61	20.74	1222	12.7	-205.2
10:46	6	2.51	6.52	20.82	1196	7.58	-244.7
10:48	10	2.02	6.45	20.79	1198	7.17	-252.2
10:49	12	1.80	6.43	20.79	1200	7.35	-254.7
10:50	14	1.77	6.40	20.80	1197	7.82	-255.2
10:55	sampled						



ENVIRONMENTAL ENGINEERING, INC

Well No.: MW-4
 Casing Diameter: 4 inches
 Depth of Well: 30.20 feet
 Top of Casing Elevation: 53.31 feet
 Depth to Groundwater: 21.38 feet
 Groundwater Elevation: 31.93 feet
 Water Column Height: 8.82 feet
 Purged Volume: 14 gallons

Project No.: 2551
 Address: 15101 Freedom Avenue
 San Leandro, CA
 Date: December 1, 2011
 Sampler: Lizzie Hightower

Purging Method: Bailer Pump

Sampling Method: Bailer Pump

Color: Yes No Describe: _____

Sheen: Yes No Describe: _____

Odor: Yes No Describe: Slight Petro

Field Measurements:

Time	Volume (gallons)	D.O. mg/L	pH	Temp °C	E.C. (µS/cm)	Turb. NTU	ORP
14:48	Started purging well						
14:49	2	2.42	6.37	20.19	1301	6.91	-158.5
14:51	6	2.03	6.17	20.19	1450	6.40	-174.9
14:53	10	1.85	6.10	20.20	1476	5.33	-173.4
14:54	12	1.22	6.07	20.18	1491	5.93	-171.2
14:55	14	1.03	6.04	20.19	1512	5.43	-168.6
15:00	sampled						



ENVIRONMENTAL ENGINEERING, INC

Well No.: MW-5
 Casing Diameter: 4 inches
 Depth of Well: 29.80 feet
 Top of Casing Elevation: 50.53 feet
 Depth to Groundwater: 18.59 feet
 Groundwater Elevation: 31.94 feet
 Water Column Height: 11.21 feet
 Purged Volume: 14 gallons

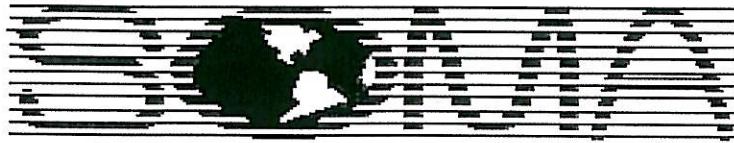
Project No.: 2551
 Address: 15101 Freedom Avenue
 San Leandro, CA
 Date: December 2, 2011
 Sampler: Lizzie Hightower

Purging Method: Bailer Pump
 Sampling Method: Bailer Pump

Color: Yes No Describe: _____
 Sheen: Yes No Describe: _____
 Odor: Yes No Describe: Slight Petro

Field Measurements:

Time	Volume (gallons)	D.O. mg/L	pH	Temp °C	E.C. (µS/cm)	Turb. NTU	ORP
11:51	Started purging well						
11:52	2	2.01	6.67	21.72	1260	8.51	-169.1
11:54	6	1.89	6.62	21.75	1261	6.28	-206.6
11:56	10	1.41	6.58	21.72	1265	6.05	-228.4
11:57	12	1.17	6.56	21.73	1263	7.52	-232.3
11:58	14	1.04	6.55	21.72	1264	8.39	-235.1
12:03	Sampled						



ENVIRONMENTAL ENGINEERING, INC

Well No.: MW-6
 Casing Diameter: 4 inches
 Depth of Well: 27.30 feet
 Top of Casing Elevation: 45.82 feet
 Depth to Groundwater: 16.17 feet
 Groundwater Elevation: 29.65 feet
 Water Column Height: 11.13 feet
 Purged Volume: - gallons

Project No.: 2551
 Address: 15101 Freedom Avenue
 San Leandro, CA
 Date: December 1, 2011
 Sampler: Lizzie Hightower

Purging Method: Bailer Pump
Not purged

Sampling Method: Bailer Pump *Not sampled*

Color: Yes No

Describe: Unknown

Sheen: Yes No

Describe: Free product

Odor: Yes No

Describe: Strong Petro

Field Measurements:

Time	Volume (gallons)	D.O. (mg/L)	pH	Temp (°C)	E.C. (µS/cm)	Turb. (NTU)	ORP

*Depth to free product: 16.15 ft.
 0.02 feet of free product*



ENVIRONMENTAL ENGINEERING, INC

Well No.: MW-7 Project No.: 2551
 Casing Diameter: 2 inches Address: 15101 Freedom Avenue
 Depth of Well: 21.00 feet San Leandro, CA
 Top of Casing Elevation: 44.74 feet Date: December 1, 2011
 Depth to Groundwater: 13.59 feet Sampler: Lizzie Hightower
 Groundwater Elevation: 31.15 feet
 Water Column Height: 7.43 feet
 Purged Volume: 3.5 gallons

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

Field Measurements:

Time	Volume (gallons)	D.O. mg/L	pH	Temp °C	E.C. (µS/cm)	Turb. NTU	ORP
11:29	Started purging well						
11:31	1	2.47	6.21	18.57	1299	204	-11.4
11:35	2	2.15	6.08	18.63	1312	522	-42.4
11:38	3	1.73	6.04	18.65	1318	539	-51.6
11:41	3.5	1.09	6.03	18.65	1333	585	-51.4
11:46	Sampled						



ENVIRONMENTAL ENGINEERING, INC

Well No.: MPE-1
 Casing Diameter: 4 inches
 Depth of Well: 30.00 feet
 Top of Casing Elevation: 51.96 feet
 Depth to Groundwater: 20.14 feet
 Groundwater Elevation: 31.82 feet
 Water Column Height: 9.86 feet
 Purged Volume: _____ gallons

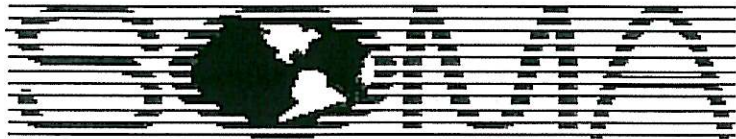
Project No.: 2551
 Address: 15101 Freedom Avenue
 San Leandro, CA
 Date: December 2, 2011
 Sampler: Lizzie Hightower

Purging Method: Bailer Pump
 Sampling Method: Bailer Pump

Color: Yes No Describe: _____
 Sheen: Yes No Describe: Rainbow Sheen (some product globules)
 Odor: Yes No Describe: Petro odor

Field Measurements:

Time	Volume (gallons)	D.O. mg/L	pH	Temp °C	E.C. (µS/cm)	Turb. NTU	ORP
11:25	Started purging well						
11:26	2	2.03	6.46	20.04	1560	29.8	-232.1
11:28	6	1.74	6.40	20.12	1540	15.6	-240.0
11:30	10	1.60	6.38	20.16	1540	17.4	-241.9
11:31	12	1.42	6.38	20.17	1556	15.5	-243.3
11:32	14	1.07	6.37	20.18	1572	16.4	-244.8
11:37	Sampled						



ENVIRONMENTAL ENGINEERING, INC

Well No.: MPE-2
 Casing Diameter: 4 inches
 Depth of Well: 30.00 feet
 Top of Casing Elevation: 53.72 feet
 Depth to Groundwater: 21.44 feet
 Groundwater Elevation: 32.28 feet
 Water Column Height: 8.56 feet
 Purged Volume: 14 gallons

Project No.: 2551
 Address: 15101 Freedom Avenue
 San Leandro, CA
 Date: December 2, 2011
 Sampler: Lizzie Hightower

Purging Method: Bailer Pump

Sampling Method: Bailer Pump

Color: Yes No Describe: _____

Sheen: Yes No Describe: _____

Odor: Yes No Describe: Slight Petro

Field Measurements:

Time	Volume (gallons)	D.O. mg/L	pH	Temp °C	E.C. (µS/cm)	Turb. NTU	ORP
10:15	started purging well						
10:16	2	2.35	6.62	21.02	1304	10.9	-187.0
10:18	6	2.19	6.46	21.10	1305	6.82	-217.0
10:20	10	1.89	6.42	21.17	1305	7.33	-229.9
10:21	12	1.23	6.41	21.17	1305	5.69	-233.7
10:22	14	1.15	6.40	21.18	1306	6.56	-235.0
10:27	sampled						



ENVIRONMENTAL ENGINEERING, INC

Well No.: MW-1D
 Casing Diameter: 2 inches
 Depth of Well: 59.81 feet
 Top of Casing Elevation: 54.42 feet
 Depth to Groundwater: 22.26 feet
 Groundwater Elevation: 32.16 feet
 Water Column Height: 37.55 feet
 Purged Volume: 14 gallons

Project No.: 2551
 Address: 15101 Freedom Avenue
 San Leandro, CA
 Date: December 1, 2011
 Sampler: Lizzie Hightower

Purging Method: Bailer Pump

Sampling Method: Bailer Pump

Color: Yes No Describe: _____

Sheen: Yes No Describe: _____

Odor: Yes No Describe: _____

Field Measurements:

Time	Volume (gallons)	D.O. mg/L	pH	Temp °C	E.C. (µS/cm)	Turb. NTU	ORP
13:08	Started purging well						
13:09	2	3.57	6.73	19.79	1296	12.4	-11.7
13:11	6	3.01	6.64	19.78	1298	7.16	-12.2
13:13	10	2.52	6.57	19.79	1297	20.0	-15.6
13:14	12	2.13	6.55	19.78	1297	18.9	-17.5
13:15	14	1.88	6.54	19.79	1297	15.3	-18.9
13:20	Sampled						



ENVIRONMENTAL ENGINEERING, INC

Well No.: MW-3D
 Casing Diameter: 2 inches
 Depth of Well: 58.59 feet
 Top of Casing Elevation: 54.10 feet
 Depth to Groundwater: 22.86 feet
 Groundwater Elevation: 31.24 feet
 Water Column Height: 35.73 feet
 Purged Volume: _____ gallons

Project No.: 2551
 Address: 15101 Freedom Avenue
 San Leandro, CA
 Date: December 1, 2011
 Sampler: Lizzie Hightower

Purging Method: Bailer Pump

Sampling Method: Bailer Pump

Color: Yes No Describe: _____

Sheen: Yes No Describe: _____

Odor: Yes No Describe: _____

Field Measurements:

Time	Volume (gallons)	D.O. mg/L	pH	Temp °C	E.C. (µS/cm)	Turb. NTU	ORP
13:47	Started purging well						
13:48	2	3.15	6.59	19.98	1256	66.4	-3.7
13:50	6	2.87	6.48	20.01	1263	9.53	-11.1
13:52	10	2.19	6.45	20.01	1263	7.82	-15.0
13:53	12	1.95	6.43	20.02	1264	7.26	-17.5
13:54	14	1.87	6.42	20.02	1265	5.31	-18.5
13:59	sampled						



ENVIRONMENTAL ENGINEERING, INC

Well No.: MW-4D
 Casing Diameter: 2 inches
 Depth of Well: 58.79 feet
 Top of Casing Elevation: 53.12 feet
 Depth to Groundwater: 21.19 feet
 Groundwater Elevation: 31.93 feet
 Water Column Height: 37.60 feet
 Purged Volume: 14 gallons

Project No.: 2551
 Address: 15101 Freedom Avenue
 San Leandro, CA
 Date: December 1, 2011
 Sampler: Lizzie Hightower

Purging Method: Bailer Pump

Sampling Method: Bailer Pump

Color: Yes No Describe: _____

Sheen: Yes No Describe: _____

Odor: Yes No Describe: _____

Field Measurements:

Time	Volume (gallons)	D.O. mg/L	pH	Temp °C	E.C. (µS/cm)	Turb. NTU	ORP
14:19	Started purging well						
14:20	2	3.09	6.63	19.39	1264	69.3	-5.3
14:22	6	2.81	6.57	19.41	1267	30.2	-12.7
14:24	10	2.69	6.50	19.42	1264	17.7	-16.7
14:25	12	2.63	6.48	19.43	1262	13.8	-17.9
14:26	14	2.20	6.47	19.43	1261	10.2	-18.8
14:31	sampled						

Table A
Historical Field Parameters
15101 Freedom Avenue, San Leandro, CA

Monitoring Well	Date	Dissolved Oxygen (mg/L)	pH	Temperature °C	Electrical Conductivity µS/cm	Turbidity NTU	ORP
1st WBZ							
MW-1	8/27/2009	0.38	6.32	20.8	1357	4.69	-95.7
	12/2/2009	0.15	6.4	20.82	1261	6.19	-136.4
	3/17/2010	0.58	5.68	20.97	1186	7.00	-155.9
	6/3/2010	0.91	6.11	20.81	1285	2.49	-131.6
	9/2/2010	0.92	6.04	20.66	1361	2.46	-86.4
	12/2/2010	0.97	5.96	20.74	1309	4.32	-119.7
	3/4/2011	1.4	6.69	20.96	1169	1.98	-101.2
	5/20/2011	1.51	6.22	20.68	1305	1.85	-164.5
	9/9/2011	1.73	6.02	20.53	1320	4.63	-179.2
	12/2/2011	1.50	6.06	20.72	1195	6.48	-236.5
MW-2	8/27/2009	0.43	6.57	20.72	1530	2.59	-168.1
	12/1/2009	0.48	6.75	21.12	1297	5.01	-191.3
	3/17/2010	0.51	5.78	21.08	1025	5.65	-108
	6/3/2010	0.62	6.28	20.84	930	2.66	-150.2
	9/2/2010	0.66	6.29	20.73	1269	2.67	-174.2
	12/2/2010	0.63	6.06	20.94	1439	2062	-162.4
	3/4/2011	1.55	6.84	20.91	815	3.34	-87.8
	5/20/2011	1.22	6.39	20.59	981	2.58	-185.9
	9/9/2011	1.67	5.89	20.48	1303	6.19	-157.7
	12/2/2011	1.33	6.00	20.91	1075	9.74	-177.9
MW-3	8/27/2009	1.90	6.36	20.82	1318	5.57	-119.3
	12/2/2009	1.80	6.52	20.94	1239	5.88	-206.6
	3/17/2010	1.60	5.78	21.28	1080	5.37	-166.4
	6/3/2010	1.05	6.24	21.16	1130	2.03	-134.8
	9/2/2010	1.17	6.18	21.04	1256	2.86	-131.2
	12/2/2010	1.27	6.06	21.03	1152	1.83	-171.9
	3/4/2011	1.26	6.77	21.18	1074	3.57	-109.8
	5/20/2011	1.04	6.4	20.9	1180	2.72	-220.1
	9/9/2011	1.05	6.13	20.74	1272	3.23	-179.4
	12/2/2011	1.77	6.4	20.8	1197	7.82	-255.2
MW-4	8/27/2009	2.90	6.26	20.11	1649	2.78	-115.5
	12/2/2009	0.87	6.4	20.12	1578	5.06	-173.2
	3/17/2010	2.30	5.63	20.39	1506	4.01	-119.4
	6/3/2010	1.90	6.14	20.45	1418	1.56	-131.8
	9/2/2010	1.80	6.06	20.21	1305	1.45	-101.5
	12/2/2010	1.63	5.89	20.28	1465	102	-180
	3/3/2011	1.89	6.66	20.47	1278	0.97	-90.5
	5/19/2011	1.78	6.42	20.51	1251	1.5	-168.3
	9/8/2011	1.77	6.27	20.32	1430	3.82	-157.4
	12/1/2011	1.03	6.04	20.19	1512	5.43	-168.6
MW-5	8/27/2009	1.00	6.38	20.8	1321	6.63	-91.9
	12/2/2009	1.50	6.47	21.03	1227	5.66	-109.1
	3/17/2010	1.10	5.82	21.28	1150	75.3	-60.7
	6/4/2010	1.10	5.99	20.87	1128	3.84	-33.8
	9/2/2010	1.03	6.16	21.22	1178	13.0	-168.4
	12/2/2010	1.05	6.02	21.46	1112	12.3	-167.7
	3/4/2011	1.11	6.89	21.46	1078	4.59	-106.9
	5/20/2011	1.18	6.47	21.02	1106	26.5	-222.5
	9/9/2011	1.14	6.2	21.07	1194	5.83	-215.4
	12/2/2011	1.04	6.55	21.72	1264	8.39	-235.1

Table A
Historical Field Parameters
15101 Freedom Avenue, San Leandro, CA

Monitoring Well	Date	Dissolved Oxygen (mg/L)	pH	Temperature °C	Electrical Conductivity µS/cm	Turbidity NTU	ORP
MW-6	8/26/2009	0.42	6.47	20.93	1201	6.53	-172.3
	12/1/2009	0.26	6.89	21.64	1171	6.83	-207.9
	3/16/2010	0.63	5.91	21.26	1544	6.72	-168.2
	6/3/2010	0.58	6.38	20.74	1346	2.61	-116.4
	9/1/2010	0.41	6.44	20.86	1419	2.77	-120.3
	12/2/2010	0.37	6.24	21.17	1362	4.5	-148
	3/3/2011	1.54	6.81	21	1262	1.87	-98.3
	5/20/2011	1.23	6.62	20.51	1312	2.53	-221.1
	9/8/2011	1.07	6.2	20.84	1292	5.17	-167.9
	12/1/2011	NA	NA	NA	NA	NA	NA
MW-7	8/26/2009	0.98	6.36	19.24	1375	145	-128.3
	12/1/2009	1.05	6.83	19.51	1340	997	-4.3
	3/16/2010	0.83	5.88	18.37	1266	382	-37.9
	6/3/2010	0.77	6.46	18.67	1199	873	-30.4
	9/1/2010	0.98	6.4	19.83	1271	999	-60
	12/2/2010	1.01	6.23	19.17	1253	999	-85.6
	3/4/2011	3.66	6.68	18.33	1098	609	-49.5
	5/19/2011	1.35	6.42	17.71	1192	879	-53.7
	9/8/2011	2.01	6.07	18.91	1198	748	-17.8
		12/1/2011	1.09	6.03	18.65	1333	585
MPE-1	12/2/2011	1.07	6.37	20.18	1572	16.4	-244.8
MPE-2	12/2/2011	1.15	6.4	21.18	1306	6.56	-235
2nd WBZ							
MW-1D	8/26/2009	0.45	7.04	19.93	1388	7.75	-11
	12/1/2009	0.51	7.4	19.79	1342	19.1	-21.7
	3/16/2010	0.57	6.45	19.99	1353	98.9	-28.2
	6/4/2010	0.58	6.66	19.98	1336	3.85	97.7
	9/1/2010	0.52	6.94	20.12	1404	4.41	-6.6
	12/3/2010	0.49	6.64	19.73	1328	7.12	-75.3
	3/3/2011	2.77	7.35	19.79	1294	9.97	18.8
	5/19/2011	2.81	7.07	19.95	1330	5.26	6.6
	9/8/2011	3.21	6.66	20.03	1309	9.98	-35.5
		12/1/2011	1.88	6.54	19.79	1297	15.3
MW-3D	8/26/2009	0.73	6.93	20.17	1276	1.73	-18.8
	12/1/2009	0.98	7.3	20.04	1236	2.48	-23.5
	3/16/2010	0.69	6.38	20.29	1272	8.05	-27.8
	6/4/2010	0.77	6.54	20.2	1254	0.42	78.1
	9/1/2010	0.79	6.85	20.33	1304	0.25	-29.4
	12/3/2010	0.81	6.49	20.04	1252	1.49	-79.2
	3/3/2011	2	7.24	20.02	1254	0.85	54
	5/19/2011	1.99	6.91	20.21	1260	2.03	-14.8
	9/8/2011	1.73	6.52	20.19	1247	3.53	-32.6
		12/1/2011	1.87	6.42	20.02	1265	5.31
MW-4D	8/27/2009	0.98	6.93	19.46	1280	4.31	-26.4
	12/1/2009	1.9	7.36	19.42	1249	4.66	-24.2
	3/16/2010	1.4	6.36	19.58	1283	24.8	-16.7
	6/4/2010	1.3	6.53	19.49	1259	5.1	115.8
	9/1/2010	1.44	6.92	19.67	1333	2.2	-26.9
	12/3/2010	1.3	6.5	19.4	1266	1.57	-116.6

Table A
Historical Field Parameters
15101 Freedom Avenue, San Leandro, CA

Monitoring Well	Date	Dissolved Oxygen (mg/L)	pH	Temperature °C	Electrical Conductivity µS/cm	Turbidity NTU	ORP
MW-4D cont.	3/3/2011	2.11	7.36	19.42	1219	1.8	-96.4
	5/19/2011	2.12	6.95	19.56	1262	2.09	-15.5
	9/8/2011	2.03	6.57	19.62	1261	3.13	-54
	12/1/2011	2.2	6.47	19.43	1261	10.2	-18.8

Note:
 MW-6 was not sampled during Q4 2011 due to presence of Free-Product

Appendix C

Laboratory Report and Chain of Custody Form
for the Fourth Quarter 2011 Monitoring Event



Soma Environmental
6620 Owens Dr. Suite A
Pleasanton, California 94588
Tel: 925-734-6400
Fax: 925-734-6401
RE: 15101 Freedom Ave., San Leandro

Work Order No.: 1112015

Dear Joyce Bobek:

Torrent Laboratory, Inc. received 13 sample(s) on December 02, 2011 for the analyses presented in the following Report.

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

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

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

G.Gueorguieva
Sr. Project Manager

December 09, 2011

Date



Date: 12/9/2011

Client: Soma Environmental

Project: 15101 Freedom Ave., San Leandro

Work Order: 1112015

CASE NARRATIVE

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

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

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



Sample Result Summary

Report prepared for: Joyce Bobek
Soma Environmental

Date Received: 12/02/11

Date Reported: 12/09/11

MW-1

1112015-001

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
tert-Butanol	SW8260B	8.8	13	44	49	ug/L
Benzene	SW8260B	8.8	2.9	4.4	96	ug/L
Ethyl Benzene	SW8260B	8.8	1.4	4.4	310	ug/L
m,p-Xylene	SW8260B	8.8	1.8	8.8	200	ug/L
TPH(Gasoline)	8260TPH	8.8	190	440	4700	ug/L

MW-2

1112015-002

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Ethyl Benzene	SW8260B	8.8	1.4	4.4	14	ug/L
m,p-Xylene	SW8260B	8.8	1.8	8.8	1.9	ug/L
TPH(Gasoline)	8260TPH	8.8	190	440	900	ug/L

MW-3

1112015-003

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Benzene	SW8260B	4.4	1.5	2.2	280	ug/L
Toluene	SW8260B	4.4	0.84	2.2	12	ug/L
Ethyl Benzene	SW8260B	4.4	0.68	2.2	370	ug/L
m,p-Xylene	SW8260B	4.4	0.88	4.4	570	ug/L
o-Xylene	SW8260B	4.4	0.56	2.2	170	ug/L
TPH(Gasoline)	8260TPH	4.4	95	220	5100	ug/L



Sample Result Summary

Report prepared for: Joyce Bobek
Soma Environmental

Date Received: 12/02/11

Date Reported: 12/09/11

MW-4

1112015-004

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
MTBE	SW8260B	4.4	1.7	2.2	110	ug/L
tert-Butanol	SW8260B	4.4	6.6	22	790	ug/L
ETBE	SW8260B	4.4	1.7	2.2	5.4	ug/L
Benzene	SW8260B	4.4	1.5	2.2	370	ug/L
TAME	SW8260B	4.4	1.4	2.2	8.2	ug/L
Ethyl Benzene	SW8260B	4.4	0.68	2.2	110	ug/L
m,p-Xylene	SW8260B	4.4	0.88	4.4	28	ug/L
o-Xylene	SW8260B	4.4	0.56	2.2	2.6	ug/L
TPH(Gasoline)	8260TPH	4.4	95	220	1400	ug/L

MW-5

1112015-005

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
MTBE	SW8260B	8.8	3.3	4.4	32	ug/L
tert-Butanol	SW8260B	8.8	13	44	95	ug/L
Benzene	SW8260B	8.8	2.9	4.4	96	ug/L
TAME	SW8260B	8.8	2.8	4.4	14	ug/L
Toluene	SW8260B	8.8	1.7	4.4	12	ug/L
Ethyl Benzene	SW8260B	8.8	1.4	4.4	220	ug/L
m,p-Xylene	SW8260B	8.8	1.8	8.8	95	ug/L
o-Xylene	SW8260B	8.8	1.1	4.4	9.0	ug/L
TPH(Gasoline)	8260TPH	8.8	190	440	6900	ug/L

MW-7

1112015-006

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
MTBE	SW8260B	1	0.38	0.50	13	ug/L
tert-Butanol	SW8260B	1	1.5	5.0	15	ug/L
TAME	SW8260B	1	0.32	0.50	2.4	ug/L
Ethyl Benzene	SW8260B	1	0.15	0.50	12	ug/L
m,p-Xylene	SW8260B	1	0.20	1.0	5.7	ug/L
TPH(Gasoline)	8260TPH	1	22	50	1500	ug/L



Sample Result Summary

Report prepared for: Joyce Bobek
Soma Environmental

Date Received: 12/02/11

Date Reported: 12/09/11

MW-1D

1112015-007

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
--------------------	------------------------	-----------	------------	------------	----------------	-------------

All compounds were non-detectable for this sample.

MW-3D

1112015-008

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
MTBE	SW8260B	1	0.38	0.50	10	ug/L
TAME	SW8260B	1	0.32	0.50	0.52	ug/L

MW-4D

1112015-009

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
MTBE	SW8260B	1	0.38	0.50	4.2	ug/L

EX-1

1112015-010

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
TPH(Gasoline)	8260TPH	1	22	50	780	ug/L
MTBE	SW8260B	4.4	1.7	2.2	150	ug/L
tert-Butanol	SW8260B	4.4	6.6	22	1200	ug/L
ETBE	SW8260B	4.4	1.7	2.2	8.3	ug/L
Benzene	SW8260B	4.4	1.5	2.2	91	ug/L
TAME	SW8260B	4.4	1.4	2.2	6.8	ug/L
Toluene	SW8260B	4.4	0.84	2.2	3.0	ug/L
Ethyl Benzene	SW8260B	4.4	0.68	2.2	29	ug/L
m,p-Xylene	SW8260B	4.4	0.88	4.4	66	ug/L
o-Xylene	SW8260B	4.4	0.56	2.2	19	ug/L



Sample Result Summary

Report prepared for: Joyce Bobek
Soma Environmental

Date Received: 12/02/11

Date Reported: 12/09/11

EX-2

1112015-011

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
tert-Butanol	SW8260B	8.8	13	44	74	ug/L
Benzene	SW8260B	8.8	2.9	4.4	630	ug/L
Toluene	SW8260B	8.8	1.7	4.4	200	ug/L
Ethyl Benzene	SW8260B	8.8	1.4	4.4	690	ug/L
m,p-Xylene	SW8260B	8.8	1.8	8.8	1400	ug/L
o-Xylene	SW8260B	8.8	1.1	4.4	360	ug/L
TPH(Gasoline)	8260TPH	8.8	190	440	9900	ug/L

MPE-1

1112015-012

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
TPH(Gasoline)	8260TPH	44	950	2200	56000	ug/L
MTBE	SW8260B	88	33	44	2600	ug/L
tert-Butanol	SW8260B	88	130	440	830	ug/L
Benzene	SW8260B	88	29	44	9000	ug/L
TAME	SW8260B	88	28	44	750	ug/L
Toluene	SW8260B	88	17	44	7700	ug/L
Ethyl Benzene	SW8260B	88	14	44	2200	ug/L
m,p-Xylene	SW8260B	88	18	88	8000	ug/L
o-Xylene	SW8260B	88	11	44	2800	ug/L

MPE-2

1112015-013

<u>Parameters:</u>	<u>Analysis Method</u>	<u>DF</u>	<u>MDL</u>	<u>PQL</u>	<u>Results</u>	<u>Unit</u>
Benzene	SW8260B	44	15	22	1600	ug/L
Toluene	SW8260B	44	8.4	22	43	ug/L
Ethyl Benzene	SW8260B	44	6.8	22	1800	ug/L
m,p-Xylene	SW8260B	44	8.8	44	2600	ug/L
o-Xylene	SW8260B	44	5.6	22	770	ug/L
TPH(Gasoline)	8260TPH	44	950	2200	26000	ug/L



SAMPLE RESULTS

Report prepared for: Joyce Bobek
Soma Environmental

Date Received: 12/02/11
Date Reported: 12/09/11

Client Sample ID:	MW-1	Lab Sample ID:	1112015-001A
Project Name/Location:	15101 Freedom Ave., San Leandro	Sample Matrix:	Groundwater
Project Number:	2551		
Date/Time Sampled:	12/02/11 / 9:54		
Tag Number:	15101 Freedom Ave		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
MTBE	SW8260B	NA	12/08/11	8.8	3.3	4.4	ND		ug/L	407735	NA
tert-Butanol	SW8260B	NA	12/08/11	8.8	13	44	49		ug/L	407735	NA
Diisopropyl ether (DIPE)	SW8260B	NA	12/08/11	8.8	3.2	4.4	ND		ug/L	407735	NA
ETBE	SW8260B	NA	12/08/11	8.8	3.5	4.4	ND		ug/L	407735	NA
Benzene	SW8260B	NA	12/08/11	8.8	2.9	4.4	96		ug/L	407735	NA
TAME	SW8260B	NA	12/08/11	8.8	2.8	4.4	ND		ug/L	407735	NA
1,2-Dichloroethane	SW8260B	NA	12/08/11	8.8	2.4	4.4	ND		ug/L	407735	NA
Toluene	SW8260B	NA	12/08/11	8.8	1.7	4.4	ND		ug/L	407735	NA
1,2-Dibromoethane	SW8260B	NA	12/08/11	8.8	1.7	4.4	ND		ug/L	407735	NA
Ethyl Benzene	SW8260B	NA	12/08/11	8.8	1.4	4.4	310		ug/L	407735	NA
m,p-Xylene	SW8260B	NA	12/08/11	8.8	1.8	8.8	200		ug/L	407735	NA
o-Xylene	SW8260B	NA	12/08/11	8.8	1.1	4.4	ND		ug/L	407735	NA
(S) Dibromofluoromethane	SW8260B	NA	12/08/11	8.8	61.2	131	109		%	407735	NA
(S) Toluene-d8	SW8260B	NA	12/08/11	8.8	75.1	127	103		%	407735	NA
(S) 4-Bromofluorobenzene	SW8260B	NA	12/08/11	8.8	64.1	120	105		%	407735	NA
Ethanol	SW8260B	NA	12/08/11	8.8	880	880	ND	TIC	ug/L	407735	NA

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH(Gasoline)	8260TPH	NA	12/08/11	8.8	190	440	4700	x	ug/L	407735	NA
(S) 4-Bromofluorobenzene	8260TPH	NA	12/08/11	8.8	41.5	125	74.0		%	407735	NA

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



SAMPLE RESULTS

Report prepared for: Joyce Bobek
Soma Environmental

Date Received: 12/02/11
Date Reported: 12/09/11

Client Sample ID:	MW-2	Lab Sample ID:	1112015-002A
Project Name/Location:	15101 Freedom Ave., San Leandro	Sample Matrix:	Groundwater
Project Number:	2551		
Date/Time Sampled:	12/02/11 / 9:28		
Tag Number:	15101 Freedom Ave		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
-------------	-----------------	-----------	---------------	----	-----	-----	---------	---------------	------	------------------	------------

The results shown below are reported using their MDL.

MTBE	SW8260B	NA	12/08/11	8.8	3.3	4.4	ND		ug/L	407735	NA
tert-Butanol	SW8260B	NA	12/08/11	8.8	13	44	ND		ug/L	407735	NA
Diisopropyl ether (DIPE)	SW8260B	NA	12/08/11	8.8	3.2	4.4	ND		ug/L	407735	NA
ETBE	SW8260B	NA	12/08/11	8.8	3.5	4.4	ND		ug/L	407735	NA
Benzene	SW8260B	NA	12/08/11	8.8	2.9	4.4	ND		ug/L	407735	NA
TAME	SW8260B	NA	12/08/11	8.8	2.8	4.4	ND		ug/L	407735	NA
1,2-Dichloroethane	SW8260B	NA	12/08/11	8.8	2.4	4.4	ND		ug/L	407735	NA
Toluene	SW8260B	NA	12/08/11	8.8	1.7	4.4	ND		ug/L	407735	NA
1,2-Dibromoethane	SW8260B	NA	12/08/11	8.8	1.7	4.4	ND		ug/L	407735	NA
Ethyl Benzene	SW8260B	NA	12/08/11	8.8	1.4	4.4	14		ug/L	407735	NA
m,p-Xylene	SW8260B	NA	12/08/11	8.8	1.8	8.8	1.9	J	ug/L	407735	NA
o-Xylene	SW8260B	NA	12/08/11	8.8	1.1	4.4	ND		ug/L	407735	NA
(S) Dibromofluoromethane	SW8260B	NA	12/08/11	8.8	61.2	131	107		%	407735	NA
(S) Toluene-d8	SW8260B	NA	12/08/11	8.8	75.1	127	102		%	407735	NA
(S) 4-Bromofluorobenzene	SW8260B	NA	12/08/11	8.8	64.1	120	104		%	407735	NA
Ethanol	SW8260B	NA	12/08/11	8.8	880	880	ND	TIC	ug/L	407735	NA

NOTE: Sample was analyzed with dilution due to sample matrix (foaming during purging).

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH(Gasoline)	8260TPH	NA	12/08/11	8.8	190	440	900	x	ug/L	407735	NA
(S) 4-Bromofluorobenzene	8260TPH	NA	12/08/11	8.8	41.5	125	74.6		%	407735	NA

NOTE: Raised reporting limit - see comment for 8260B analysis. x - Does not match pattern of reference Gasoline standard. Hydrocarbons in the range of C5-C12 quantified as Gasoline.



SAMPLE RESULTS

Report prepared for: Joyce Bobek
Soma Environmental

Date Received: 12/02/11
Date Reported: 12/09/11

Client Sample ID:	MW-3	Lab Sample ID:	1112015-003A
Project Name/Location:	15101 Freedom Ave., San Leandro	Sample Matrix:	Groundwater
Project Number:	2551		
Date/Time Sampled:	12/02/11 / 10:55		
Tag Number:	15101 Freedom Ave		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
MTBE	SW8260B	NA	12/08/11	4.4	1.7	2.2	ND		ug/L	407735	NA
tert-Butanol	SW8260B	NA	12/08/11	4.4	6.6	22	ND		ug/L	407735	NA
Diisopropyl ether (DIPE)	SW8260B	NA	12/08/11	4.4	1.6	2.2	ND		ug/L	407735	NA
ETBE	SW8260B	NA	12/08/11	4.4	1.7	2.2	ND		ug/L	407735	NA
Benzene	SW8260B	NA	12/08/11	4.4	1.5	2.2	280		ug/L	407735	NA
TAME	SW8260B	NA	12/08/11	4.4	1.4	2.2	ND		ug/L	407735	NA
1,2-Dichloroethane	SW8260B	NA	12/08/11	4.4	1.2	2.2	ND		ug/L	407735	NA
Toluene	SW8260B	NA	12/08/11	4.4	0.84	2.2	12		ug/L	407735	NA
1,2-Dibromoethane	SW8260B	NA	12/08/11	4.4	0.86	2.2	ND		ug/L	407735	NA
Ethyl Benzene	SW8260B	NA	12/08/11	4.4	0.68	2.2	370		ug/L	407735	NA
m,p-Xylene	SW8260B	NA	12/08/11	4.4	0.88	4.4	570		ug/L	407735	NA
o-Xylene	SW8260B	NA	12/08/11	4.4	0.56	2.2	170		ug/L	407735	NA
(S) Dibromofluoromethane	SW8260B	NA	12/08/11	4.4	61.2	131	113		%	407735	NA
(S) Toluene-d8	SW8260B	NA	12/08/11	4.4	75.1	127	106		%	407735	NA
(S) 4-Bromofluorobenzene	SW8260B	NA	12/08/11	4.4	64.1	120	107		%	407735	NA
Ethanol	SW8260B	NA	12/08/11	4.4	440	440	ND	TIC	ug/L	407735	NA

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH(Gasoline)	8260TPH	NA	12/08/11	4.4	95	220	5100	x	ug/L	407735	NA
(S) 4-Bromofluorobenzene	8260TPH	NA	12/08/11	4.4	41.5	125	68.9		%	407735	NA

NOTE: x - Does not match pattern of reference Gasoline standard. Result is elevated due to contribution from heavy end hydrocarbons in the C5-C12 range quantified as Gasoline (possibly aged gasoline).



SAMPLE RESULTS

Report prepared for: Joyce Bobek
Soma Environmental

Date Received: 12/02/11
Date Reported: 12/09/11

Client Sample ID:	MW-4	Lab Sample ID:	1112015-004A
Project Name/Location:	15101 Freedom Ave., San Leandro	Sample Matrix:	Groundwater
Project Number:	2551		
Date/Time Sampled:	12/01/11 / 15:00		
Tag Number:	15101 Freedom Ave		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
MTBE	SW8260B	NA	12/08/11	4.4	1.7	2.2	110		ug/L	407735	NA
tert-Butanol	SW8260B	NA	12/08/11	4.4	6.6	22	790		ug/L	407735	NA
Diisopropyl ether (DIPE)	SW8260B	NA	12/08/11	4.4	1.6	2.2	ND		ug/L	407735	NA
ETBE	SW8260B	NA	12/08/11	4.4	1.7	2.2	5.4		ug/L	407735	NA
Benzene	SW8260B	NA	12/08/11	4.4	1.5	2.2	370		ug/L	407735	NA
TAME	SW8260B	NA	12/08/11	4.4	1.4	2.2	8.2		ug/L	407735	NA
1,2-Dichloroethane	SW8260B	NA	12/08/11	4.4	1.2	2.2	ND		ug/L	407735	NA
Toluene	SW8260B	NA	12/08/11	4.4	0.84	2.2	ND		ug/L	407735	NA
1,2-Dibromoethane	SW8260B	NA	12/08/11	4.4	0.86	2.2	ND		ug/L	407735	NA
Ethyl Benzene	SW8260B	NA	12/08/11	4.4	0.68	2.2	110		ug/L	407735	NA
m,p-Xylene	SW8260B	NA	12/08/11	4.4	0.88	4.4	28		ug/L	407735	NA
o-Xylene	SW8260B	NA	12/08/11	4.4	0.56	2.2	2.6		ug/L	407735	NA
(S) Dibromofluoromethane	SW8260B	NA	12/08/11	4.4	61.2	131	126		%	407735	NA
(S) Toluene-d8	SW8260B	NA	12/08/11	4.4	75.1	127	101		%	407735	NA
(S) 4-Bromofluorobenzene	SW8260B	NA	12/08/11	4.4	64.1	120	109		%	407735	NA
Ethanol	SW8260B	NA	12/08/11	4.4	440	440	ND	TIC	ug/L	407735	NA

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH(Gasoline)	8260TPH	NA	12/08/11	4.4	95	220	1400	x	ug/L	407735	NA
(S) 4-Bromofluorobenzene	8260TPH	NA	12/08/11	4.4	41.5	125	69.3		%	407735	NA

NOTE: x - Does not match pattern of reference Gasoline standard. Result is elevated due to contribution from light hydrocarbons (MTBE/TBA) in the C5-C12 range quantified as Gasoline.



SAMPLE RESULTS

Report prepared for: Joyce Bobek
Soma Environmental

Date Received: 12/02/11
Date Reported: 12/09/11

Client Sample ID:	MW-5	Lab Sample ID:	1112015-005A
Project Name/Location:	15101 Freedom Ave., San Leandro	Sample Matrix:	Groundwater
Project Number:	2551		
Date/Time Sampled:	12/02/11 / 12:03		
Tag Number:	15101 Freedom Ave		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
MTBE	SW8260B	NA	12/08/11	8.8	3.3	4.4	32		ug/L	407735	NA
tert-Butanol	SW8260B	NA	12/08/11	8.8	13	44	95		ug/L	407735	NA
Diisopropyl ether (DIPE)	SW8260B	NA	12/08/11	8.8	3.2	4.4	ND		ug/L	407735	NA
ETBE	SW8260B	NA	12/08/11	8.8	3.5	4.4	ND		ug/L	407735	NA
Benzene	SW8260B	NA	12/08/11	8.8	2.9	4.4	96		ug/L	407735	NA
TAME	SW8260B	NA	12/08/11	8.8	2.8	4.4	14		ug/L	407735	NA
1,2-Dichloroethane	SW8260B	NA	12/08/11	8.8	2.4	4.4	ND		ug/L	407735	NA
Toluene	SW8260B	NA	12/08/11	8.8	1.7	4.4	12		ug/L	407735	NA
1,2-Dibromoethane	SW8260B	NA	12/08/11	8.8	1.7	4.4	ND		ug/L	407735	NA
Ethyl Benzene	SW8260B	NA	12/08/11	8.8	1.4	4.4	220		ug/L	407735	NA
m,p-Xylene	SW8260B	NA	12/08/11	8.8	1.8	8.8	95		ug/L	407735	NA
o-Xylene	SW8260B	NA	12/08/11	8.8	1.1	4.4	9.0		ug/L	407735	NA
(S) Dibromofluoromethane	SW8260B	NA	12/08/11	8.8	61.2	131	111		%	407735	NA
(S) Toluene-d8	SW8260B	NA	12/08/11	8.8	75.1	127	103		%	407735	NA
(S) 4-Bromofluorobenzene	SW8260B	NA	12/08/11	8.8	64.1	120	108		%	407735	NA
Ethanol	SW8260B	NA	12/08/11	8.8	880	880	ND	TIC	ug/L	407735	NA

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH(Gasoline)	8260TPH	NA	12/08/11	8.8	190	440	6900	x	ug/L	407735	NA
(S) 4-Bromofluorobenzene	8260TPH	NA	12/08/11	8.8	41.5	125	65.8		%	407735	NA

NOTE: x - Does not match pattern of reference Gasoline standard. Result is elevated due to contribution from heavy end hydrocarbons (possibly aged gasoline) in the C5-C12 range quantified as Gasoline.



SAMPLE RESULTS

Report prepared for: Joyce Bobek
Soma Environmental

Date Received: 12/02/11
Date Reported: 12/09/11

Client Sample ID:	MW-7	Lab Sample ID:	1112015-006A
Project Name/Location:	15101 Freedom Ave., San Leandro	Sample Matrix:	Groundwater
Project Number:	2551		
Date/Time Sampled:	12/01/11 / 11:46		
Tag Number:	15101 Freedom Ave		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
MTBE	SW8260B	NA	12/08/11	1	0.38	0.50	13		ug/L	407735	NA
tert-Butanol	SW8260B	NA	12/08/11	1	1.5	5.0	15		ug/L	407735	NA
Diisopropyl ether (DIPE)	SW8260B	NA	12/08/11	1	0.36	0.50	ND		ug/L	407735	NA
ETBE	SW8260B	NA	12/08/11	1	0.40	0.50	ND		ug/L	407735	NA
Benzene	SW8260B	NA	12/08/11	1	0.33	0.50	ND		ug/L	407735	NA
TAME	SW8260B	NA	12/08/11	1	0.32	0.50	2.4		ug/L	407735	NA
1,2-Dichloroethane	SW8260B	NA	12/08/11	1	0.28	0.50	ND		ug/L	407735	NA
Toluene	SW8260B	NA	12/08/11	1	0.19	0.50	ND		ug/L	407735	NA
1,2-Dibromoethane	SW8260B	NA	12/08/11	1	0.19	0.50	ND		ug/L	407735	NA
Ethyl Benzene	SW8260B	NA	12/08/11	1	0.15	0.50	12		ug/L	407735	NA
m,p-Xylene	SW8260B	NA	12/08/11	1	0.20	1.0	5.7		ug/L	407735	NA
o-Xylene	SW8260B	NA	12/08/11	1	0.13	0.50	ND		ug/L	407735	NA
(S) Dibromofluoromethane	SW8260B	NA	12/08/11	1	61.2	131	125		%	407735	NA
(S) Toluene-d8	SW8260B	NA	12/08/11	1	75.1	127	106		%	407735	NA
(S) 4-Bromofluorobenzene	SW8260B	NA	12/08/11	1	64.1	120	113		%	407735	NA
Ethanol	SW8260B	NA	12/08/11	1	100	100	ND	TIC	ug/L	407735	NA

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH(Gasoline)	8260TPH	NA	12/08/11	1	22	50	1500	x	ug/L	407735	NA
(S) 4-Bromofluorobenzene	8260TPH	NA	12/08/11	1	41.5	125	57.2		%	407735	NA

NOTE: x - Does not match pattern of reference Gasoline standard. Result is elevated due to contribution from heavy end hydrocarbons (possibly aged gasoline) in the C5-C12 range quantified as Gasoline.



SAMPLE RESULTS

Report prepared for: Joyce Bobek
Soma Environmental

Date Received: 12/02/11
Date Reported: 12/09/11

Client Sample ID:	MW-1D	Lab Sample ID:	1112015-007A
Project Name/Location:	15101 Freedom Ave., San Leandro	Sample Matrix:	Groundwater
Project Number:	2551		
Date/Time Sampled:	12/01/11 / 13:20		
Tag Number:	15101 Freedom Ave		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
MTBE	SW8260B	NA	12/08/11	1	0.38	0.50	ND		ug/L	407735	NA
tert-Butanol	SW8260B	NA	12/08/11	1	1.5	5.0	ND		ug/L	407735	NA
Diisopropyl ether (DIPE)	SW8260B	NA	12/08/11	1	0.36	0.50	ND		ug/L	407735	NA
ETBE	SW8260B	NA	12/08/11	1	0.40	0.50	ND		ug/L	407735	NA
Benzene	SW8260B	NA	12/08/11	1	0.33	0.50	ND		ug/L	407735	NA
TAME	SW8260B	NA	12/08/11	1	0.32	0.50	ND		ug/L	407735	NA
1,2-Dichloroethane	SW8260B	NA	12/08/11	1	0.28	0.50	ND		ug/L	407735	NA
Toluene	SW8260B	NA	12/08/11	1	0.19	0.50	ND		ug/L	407735	NA
1,2-Dibromoethane	SW8260B	NA	12/08/11	1	0.19	0.50	ND		ug/L	407735	NA
Ethyl Benzene	SW8260B	NA	12/08/11	1	0.15	0.50	ND		ug/L	407735	NA
m,p-Xylene	SW8260B	NA	12/08/11	1	0.20	1.0	ND		ug/L	407735	NA
o-Xylene	SW8260B	NA	12/08/11	1	0.13	0.50	ND		ug/L	407735	NA
(S) Dibromofluoromethane	SW8260B	NA	12/08/11	1	61.2	131	120		%	407735	NA
(S) Toluene-d8	SW8260B	NA	12/08/11	1	75.1	127	106		%	407735	NA
(S) 4-Bromofluorobenzene	SW8260B	NA	12/08/11	1	64.1	120	110		%	407735	NA
Ethanol	SW8260B	NA	12/08/11	1	100	100	ND	TIC	ug/L	407735	NA

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH(Gasoline)	8260TPH	NA	12/08/11	1	22	50	ND		ug/L	407735	NA
(S) 4-Bromofluorobenzene	8260TPH	NA	12/08/11	1	41.5	125	56.0		%	407735	NA



SAMPLE RESULTS

Report prepared for: Joyce Bobek
Soma Environmental

Date Received: 12/02/11
Date Reported: 12/09/11

Client Sample ID:	MW-3D	Lab Sample ID:	1112015-008A
Project Name/Location:	15101 Freedom Ave., San Leandro	Sample Matrix:	Groundwater
Project Number:	2551		
Date/Time Sampled:	12/01/11 / 13:59		
Tag Number:	15101 Freedom Ave		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
MTBE	SW8260B	NA	12/08/11	1	0.38	0.50	10		ug/L	407735	NA
tert-Butanol	SW8260B	NA	12/08/11	1	1.5	5.0	ND		ug/L	407735	NA
Diisopropyl ether (DIPE)	SW8260B	NA	12/08/11	1	0.36	0.50	ND		ug/L	407735	NA
ETBE	SW8260B	NA	12/08/11	1	0.40	0.50	ND		ug/L	407735	NA
Benzene	SW8260B	NA	12/08/11	1	0.33	0.50	ND		ug/L	407735	NA
TAME	SW8260B	NA	12/08/11	1	0.32	0.50	0.52		ug/L	407735	NA
1,2-Dichloroethane	SW8260B	NA	12/08/11	1	0.28	0.50	ND		ug/L	407735	NA
Toluene	SW8260B	NA	12/08/11	1	0.19	0.50	ND		ug/L	407735	NA
1,2-Dibromoethane	SW8260B	NA	12/08/11	1	0.19	0.50	ND		ug/L	407735	NA
Ethyl Benzene	SW8260B	NA	12/08/11	1	0.15	0.50	ND		ug/L	407735	NA
m,p-Xylene	SW8260B	NA	12/08/11	1	0.20	1.0	ND		ug/L	407735	NA
o-Xylene	SW8260B	NA	12/08/11	1	0.13	0.50	ND		ug/L	407735	NA
(S) Dibromofluoromethane	SW8260B	NA	12/08/11	1	61.2	131	113		%	407735	NA
(S) Toluene-d8	SW8260B	NA	12/08/11	1	75.1	127	106		%	407735	NA
(S) 4-Bromofluorobenzene	SW8260B	NA	12/08/11	1	64.1	120	108		%	407735	NA
Ethanol	SW8260B	NA	12/08/11	1	100	100	ND	TIC	ug/L	407735	NA

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH(Gasoline)	8260TPH	NA	12/08/11	1	22	50	ND		ug/L	407735	NA
(S) 4-Bromofluorobenzene	8260TPH	NA	12/08/11	1	41.5	125	62.0		%	407735	NA



SAMPLE RESULTS

Report prepared for: Joyce Bobek
Soma Environmental

Date Received: 12/02/11
Date Reported: 12/09/11

Client Sample ID:	MW-4D	Lab Sample ID:	1112015-009A
Project Name/Location:	15101 Freedom Ave., San Leandro	Sample Matrix:	Groundwater
Project Number:	2551		
Date/Time Sampled:	12/01/11 / 14:31		
Tag Number:	15101 Freedom Ave		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
MTBE	SW8260B	NA	12/08/11	1	0.38	0.50	4.2		ug/L	407735	NA
tert-Butanol	SW8260B	NA	12/08/11	1	1.5	5.0	ND		ug/L	407735	NA
Diisopropyl ether (DIPE)	SW8260B	NA	12/08/11	1	0.36	0.50	ND		ug/L	407735	NA
ETBE	SW8260B	NA	12/08/11	1	0.40	0.50	ND		ug/L	407735	NA
Benzene	SW8260B	NA	12/08/11	1	0.33	0.50	ND		ug/L	407735	NA
TAME	SW8260B	NA	12/08/11	1	0.32	0.50	ND		ug/L	407735	NA
1,2-Dichloroethane	SW8260B	NA	12/08/11	1	0.28	0.50	ND		ug/L	407735	NA
Toluene	SW8260B	NA	12/08/11	1	0.19	0.50	ND		ug/L	407735	NA
1,2-Dibromoethane	SW8260B	NA	12/08/11	1	0.19	0.50	ND		ug/L	407735	NA
Ethyl Benzene	SW8260B	NA	12/08/11	1	0.15	0.50	ND		ug/L	407735	NA
m,p-Xylene	SW8260B	NA	12/08/11	1	0.20	1.0	ND		ug/L	407735	NA
o-Xylene	SW8260B	NA	12/08/11	1	0.13	0.50	ND		ug/L	407735	NA
(S) Dibromofluoromethane	SW8260B	NA	12/08/11	1	61.2	131	124		%	407735	NA
(S) Toluene-d8	SW8260B	NA	12/08/11	1	75.1	127	101		%	407735	NA
(S) 4-Bromofluorobenzene	SW8260B	NA	12/08/11	1	64.1	120	112		%	407735	NA
Ethanol	SW8260B	NA	12/08/11	1	100	100	ND	TIC	ug/L	407735	NA

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH(Gasoline)	8260TPH	NA	12/08/11	1	22	50	ND		ug/L	407735	NA
(S) 4-Bromofluorobenzene	8260TPH	NA	12/08/11	1	41.5	125	62.5		%	407735	NA



SAMPLE RESULTS

Report prepared for: Joyce Bobek
Soma Environmental

Date Received: 12/02/11
Date Reported: 12/09/11

Client Sample ID:	EX-1	Lab Sample ID:	1112015-010A
Project Name/Location:	15101 Freedom Ave., San Leandro	Sample Matrix:	Groundwater
Project Number:	2551		
Date/Time Sampled:	12/01/11 / 12:06		
Tag Number:	15101 Freedom Ave		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
MTBE	SW8260B	NA	12/08/11	4.4	1.7	2.2	150		ug/L	407754	NA
tert-Butanol	SW8260B	NA	12/08/11	4.4	6.6	22	1200		ug/L	407754	NA
Diisopropyl ether (DIPE)	SW8260B	NA	12/08/11	4.4	1.6	2.2	ND		ug/L	407754	NA
ETBE	SW8260B	NA	12/08/11	4.4	1.7	2.2	8.3		ug/L	407754	NA
Benzene	SW8260B	NA	12/08/11	4.4	1.5	2.2	91		ug/L	407754	NA
TAME	SW8260B	NA	12/08/11	4.4	1.4	2.2	6.8		ug/L	407754	NA
1,2-Dichloroethane	SW8260B	NA	12/08/11	4.4	1.2	2.2	ND		ug/L	407754	NA
Toluene	SW8260B	NA	12/08/11	4.4	0.84	2.2	3.0		ug/L	407754	NA
1,2-Dibromoethane	SW8260B	NA	12/08/11	4.4	0.86	2.2	ND		ug/L	407754	NA
Ethyl Benzene	SW8260B	NA	12/08/11	4.4	0.68	2.2	29		ug/L	407754	NA
m,p-Xylene	SW8260B	NA	12/08/11	4.4	0.88	4.4	66		ug/L	407754	NA
o-Xylene	SW8260B	NA	12/08/11	4.4	0.56	2.2	19		ug/L	407754	NA
(S) Dibromofluoromethane	SW8260B	NA	12/08/11	4.4	61.2	131	110		%	407754	NA
(S) Toluene-d8	SW8260B	NA	12/08/11	4.4	75.1	127	103		%	407754	NA
(S) 4-Bromofluorobenzene	SW8260B	NA	12/08/11	4.4	64.1	120	106		%	407754	NA
Ethanol	SW8260B	NA	12/08/11	4.4	440	440	ND	TIC	ug/L	407754	NA

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH(Gasoline)	8260TPH	NA	12/08/11	1	22	50	780	x	ug/L	407735	NA
(S) 4-Bromofluorobenzene	8260TPH	NA	12/08/11	1	41.5	125	58.0		%	407735	NA

NOTE: x - Does not match pattern of reference Gasoline standard. Result is elevated due to contribution from heavy end hydrocarbons (possibly aged gasoline) in the C5-C12 range quantified as Gasoline.



SAMPLE RESULTS

Report prepared for: Joyce Bobek
Soma Environmental

Date Received: 12/02/11
Date Reported: 12/09/11

Client Sample ID:	EX-2	Lab Sample ID:	1112015-011A
Project Name/Location:	15101 Freedom Ave., San Leandro	Sample Matrix:	Groundwater
Project Number:	2551		
Date/Time Sampled:	12/01/11 / 12:10		
Tag Number:	15101 Freedom Ave		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
MTBE	SW8260B	NA	12/08/11	8.8	3.3	4.4	ND		ug/L	407735	NA
tert-Butanol	SW8260B	NA	12/08/11	8.8	13	44	74		ug/L	407735	NA
Diisopropyl ether (DIPE)	SW8260B	NA	12/08/11	8.8	3.2	4.4	ND		ug/L	407735	NA
ETBE	SW8260B	NA	12/08/11	8.8	3.5	4.4	ND		ug/L	407735	NA
Benzene	SW8260B	NA	12/08/11	8.8	2.9	4.4	630		ug/L	407735	NA
TAME	SW8260B	NA	12/08/11	8.8	2.8	4.4	ND		ug/L	407735	NA
1,2-Dichloroethane	SW8260B	NA	12/08/11	8.8	2.4	4.4	ND		ug/L	407735	NA
Toluene	SW8260B	NA	12/08/11	8.8	1.7	4.4	200		ug/L	407735	NA
1,2-Dibromoethane	SW8260B	NA	12/08/11	8.8	1.7	4.4	ND		ug/L	407735	NA
Ethyl Benzene	SW8260B	NA	12/08/11	8.8	1.4	4.4	690		ug/L	407735	NA
m,p-Xylene	SW8260B	NA	12/08/11	8.8	1.8	8.8	1400		ug/L	407735	NA
o-Xylene	SW8260B	NA	12/08/11	8.8	1.1	4.4	360		ug/L	407735	NA
(S) Dibromofluoromethane	SW8260B	NA	12/08/11	8.8	61.2	131	116		%	407735	NA
(S) Toluene-d8	SW8260B	NA	12/08/11	8.8	75.1	127	106		%	407735	NA
(S) 4-Bromofluorobenzene	SW8260B	NA	12/08/11	8.8	64.1	120	115		%	407735	NA
Ethanol	SW8260B	NA	12/08/11	8.8	880	880	ND	TIC	ug/L	407735	NA

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH(Gasoline)	8260TPH	NA	12/08/11	8.8	190	440	9900		ug/L	407735	NA
(S) 4-Bromofluorobenzene	8260TPH	NA	12/08/11	8.8	41.5	125	70.3		%	407735	NA

NOTE: Result is elevated due to contribution from heavy end hydrocarbons (possibly aged gasoline) in the C5-C12 range quantified as Gasoline.



SAMPLE RESULTS

Report prepared for: Joyce Bobek
Soma Environmental

Date Received: 12/02/11
Date Reported: 12/09/11

Client Sample ID:	MPE-1	Lab Sample ID:	1112015-012A
Project Name/Location:	15101 Freedom Ave., San Leandro	Sample Matrix:	Groundwater
Project Number:	2551		
Date/Time Sampled:	12/02/11 / 11:37		
Tag Number:	15101 Freedom Ave		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
MTBE	SW8260B	NA	12/08/11	88	33	44	2600		ug/L	407754	NA
tert-Butanol	SW8260B	NA	12/08/11	88	130	440	830		ug/L	407754	NA
Diisopropyl ether (DIPE)	SW8260B	NA	12/08/11	88	32	44	ND		ug/L	407754	NA
ETBE	SW8260B	NA	12/08/11	88	35	44	ND		ug/L	407754	NA
Benzene	SW8260B	NA	12/08/11	88	29	44	9000		ug/L	407754	NA
TAME	SW8260B	NA	12/08/11	88	28	44	750		ug/L	407754	NA
1,2-Dichloroethane	SW8260B	NA	12/08/11	88	24	44	ND		ug/L	407754	NA
Toluene	SW8260B	NA	12/08/11	88	17	44	7700		ug/L	407754	NA
1,2-Dibromoethane	SW8260B	NA	12/08/11	88	17	44	ND		ug/L	407754	NA
Ethyl Benzene	SW8260B	NA	12/08/11	88	14	44	2200		ug/L	407754	NA
m,p-Xylene	SW8260B	NA	12/08/11	88	18	88	8000		ug/L	407754	NA
o-Xylene	SW8260B	NA	12/08/11	88	11	44	2800		ug/L	407754	NA
(S) Dibromofluoromethane	SW8260B	NA	12/08/11	88	61.2	131	108		%	407754	NA
(S) Toluene-d8	SW8260B	NA	12/08/11	88	75.1	127	103		%	407754	NA
(S) 4-Bromofluorobenzene	SW8260B	NA	12/08/11	88	64.1	120	106		%	407754	NA
Ethanol	SW8260B	NA	12/08/11	88	8800	8800	ND	TIC	ug/L	407754	NA

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH(Gasoline)	8260TPH	NA	12/08/11	44	950	2200	56000		ug/L	407735	NA
(S) 4-Bromofluorobenzene	8260TPH	NA	12/08/11	44	41.5	125	66.7		%	407735	NA



SAMPLE RESULTS

Report prepared for: Joyce Bobek
Soma Environmental

Date Received: 12/02/11
Date Reported: 12/09/11

Client Sample ID:	MPE-2	Lab Sample ID:	1112015-013A
Project Name/Location:	15101 Freedom Ave., San Leandro	Sample Matrix:	Groundwater
Project Number:	2551		
Date/Time Sampled:	12/02/11 / 10:27		
Tag Number:	15101 Freedom Ave		

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
MTBE	SW8260B	NA	12/08/11	44	17	22	ND		ug/L	407735	NA
tert-Butanol	SW8260B	NA	12/08/11	44	66	220	ND		ug/L	407735	NA
Diisopropyl ether (DIPE)	SW8260B	NA	12/08/11	44	16	22	ND		ug/L	407735	NA
ETBE	SW8260B	NA	12/08/11	44	17	22	ND		ug/L	407735	NA
Benzene	SW8260B	NA	12/08/11	44	15	22	1600		ug/L	407735	NA
TAME	SW8260B	NA	12/08/11	44	14	22	ND		ug/L	407735	NA
1,2-Dichloroethane	SW8260B	NA	12/08/11	44	12	22	ND		ug/L	407735	NA
Toluene	SW8260B	NA	12/08/11	44	8.4	22	43		ug/L	407735	NA
1,2-Dibromoethane	SW8260B	NA	12/08/11	44	8.6	22	ND		ug/L	407735	NA
Ethyl Benzene	SW8260B	NA	12/08/11	44	6.8	22	1800		ug/L	407735	NA
m,p-Xylene	SW8260B	NA	12/08/11	44	8.8	44	2600		ug/L	407735	NA
o-Xylene	SW8260B	NA	12/08/11	44	5.6	22	770		ug/L	407735	NA
(S) Dibromofluoromethane	SW8260B	NA	12/08/11	44	61.2	131	110		%	407735	NA
(S) Toluene-d8	SW8260B	NA	12/08/11	44	75.1	127	107		%	407735	NA
(S) 4-Bromofluorobenzene	SW8260B	NA	12/08/11	44	64.1	120	111		%	407735	NA
Ethanol	SW8260B	NA	12/08/11	44	4400	4400	ND	TIC	ug/L	407735	NA

Parameters:	Analysis Method	Prep Date	Date Analyzed	DF	MDL	PQL	Results	Lab Qualifier	Unit	Analytical Batch	Prep Batch
TPH(Gasoline)	8260TPH	NA	12/08/11	44	950	2200	26000		ug/L	407735	NA
(S) 4-Bromofluorobenzene	8260TPH	NA	12/08/11	44	41.5	125	61.6		%	407735	NA



MB Summary Report

Work Order:	1112015	Prep Method:	NA	Prep Date:	NA	Prep Batch:	NA
Matrix:	Water	Analytical Method:	SW8260B	Analyzed Date:	12/08/11	Analytical Batch:	407735
Units:	ug/L						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier	
Dichlorodifluoromethane	0.41	0.50	ND		
Chloromethane	0.41	0.50	ND		
Vinyl Chloride	0.37	0.50	ND		
Bromomethane	0.37	0.50	ND		
Trichlorofluoromethane	0.34	0.50	ND		
1,1-Dichloroethene	0.29	0.50	ND		
Freon 113	0.38	0.50	ND		
Methylene Chloride	0.18	5.0	0.35		
trans-1,2-Dichloroethene	0.31	0.50	ND		
MTBE	0.38	0.50	ND		
tert-Butanol	1.5	5.0	ND		
Diisopropyl ether (DIPE)	0.36	0.50	ND		
1,1-Dichloroethane	0.28	0.50	ND		
ETBE	0.40	0.50	ND		
cis-1,2-Dichloroethene	0.33	0.50	ND		
2,2-Dichloropropane	0.37	0.50	ND		
Bromochloromethane	0.34	0.50	ND		
Chloroform	0.29	0.50	ND		
Carbon Tetrachloride	0.26	0.50	ND		
1,1,1-Trichloroethane	0.32	0.50	ND		
1,1-Dichloropropene	0.40	0.50	ND		
Benzene	0.33	0.50	ND		
TAME	0.32	0.50	ND		
1,2-Dichloroethane	0.28	0.50	ND		
Trichloroethylene	0.38	0.50	ND		
Dibromomethane	0.21	0.50	ND		
1,2-Dichloropropane	0.37	0.50	ND		
Bromodichloromethane	0.23	0.50	ND		
cis-1,3-Dichloropropene	0.30	0.50	ND		
Toluene	0.19	0.50	ND		
Tetrachloroethylene	0.15	0.50	ND		
trans-1,3-Dichloropropene	0.20	0.50	ND		
1,1,2-Trichloroethane	0.20	0.50	ND		
Dibromochloromethane	0.21	0.50	ND		
1,3-Dichloropropane	0.18	0.50	ND		
1,2-Dibromoethane	0.19	0.50	ND		
Chlorobenzene	0.14	0.50	ND		
Ethyl Benzene	0.15	0.50	ND		
1,1,1,2-Tetrachloroethane	0.10	0.50	ND		
m,p-Xylene	0.20	1.0	ND		



MB Summary Report

Work Order:	1112015	Prep Method:	NA	Prep Date:	NA	Prep Batch:	NA
Matrix:	Water	Analytical Method:	SW8260B	Analyzed Date:	12/08/11	Analytical Batch:	407735
Units:	ug/L						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier	
o-Xylene	0.13	0.50	ND		
Styrene	0.20	0.50	ND		
Bromoform	0.45	1.0	ND		
Isopropyl Benzene	0.28	0.50	ND		
Bromobenzene	0.39	0.50	ND		
1,1,2,2-Tetrachloroethane	0.26	0.50	ND		
n-Propylbenzene	0.30	0.50	ND		
2-Chlorotoluene	0.33	0.50	ND		
1,3,5-Trimethylbenzene	0.20	0.50	ND		
4-Chlorotoluene	0.32	0.50	ND		
tert-Butylbenzene	0.29	0.50	ND		
1,2,3-Trichloropropane	0.59	1.0	ND		
1,2,4-Trimethylbenzene	0.33	0.50	ND		
sec-Butyl Benzene	0.24	0.50	ND		
p-Isopropyltoluene	0.25	0.50	ND		
1,3-Dichlorobenzene	0.31	0.50	ND		
1,4-Dichlorobenzene	0.37	0.50	ND		
n-Butylbenzene	0.32	0.50	ND		
1,2-Dichlorobenzene	0.39	0.50	ND		
1,2-Dibromo-3-Chloropropane	0.45	1.0	ND		
Hexachlorobutadiene	0.22	0.50	ND		
1,2,4-Trichlorobenzene	0.48	1.0	ND		
Naphthalene	0.57	1.0	ND		
1,2,3-Trichlorobenzene	0.52	1.0	ND		
Ethanol	100	100	ND	TIC	
(S) Dibromofluoromethane			111		
(S) Toluene-d8			107		
(S) 4-Bromofluorobenzene			110		



MB Summary Report

Work Order:	1112015	Prep Method:	NA	Prep Date:	NA	Prep Batch:	NA
Matrix:	Water	Analytical Method:	SW8260B	Analyzed Date:	12/08/11	Analytical Batch:	407754
Units:	ug/L						

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



MB Summary Report

Work Order:	1112015	Prep Method:	NA	Prep Date:	NA	Prep Batch:	NA
Matrix:	Water	Analytical Method:	SW8260B	Analyzed Date:	12/08/11	Analytical Batch:	407754
Units:	ug/L						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
Styrene	0.20	0.50	ND	
Bromoform	0.45	1.0	ND	
Isopropyl Benzene	0.28	0.50	ND	
Bromobenzene	0.39	0.50	ND	
1,1,2,2-Tetrachloroethane	0.26	0.50	ND	
n-Propylbenzene	0.30	0.50	ND	
2-Chlorotoluene	0.33	0.50	ND	
1,3,5-Trimethylbenzene	0.20	0.50	ND	
4-Chlorotoluene	0.32	0.50	ND	
tert-Butylbenzene	0.29	0.50	ND	
1,2,3-Trichloropropane	0.59	1.0	ND	
1,2,4-Trimethylbenzene	0.33	0.50	ND	
sec-Butyl Benzene	0.24	0.50	ND	
p-Isopropyltoluene	0.25	0.50	ND	
1,3-Dichlorobenzene	0.31	0.50	ND	
1,4-Dichlorobenzene	0.37	0.50	ND	
n-Butylbenzene	0.32	0.50	ND	
1,2-Dichlorobenzene	0.39	0.50	ND	
1,2-Dibromo-3-Chloropropane	0.45	1.0	ND	
Hexachlorobutadiene	0.22	0.50	ND	
1,2,4-Trichlorobenzene	0.48	1.0	ND	
Naphthalene	0.57	1.0	ND	
1,2,3-Trichlorobenzene	0.52	1.0	ND	
Ethanol	100	100	ND	TIC
(S) Dibromofluoromethane			121	
(S) Toluene-d8			105	
(S) 4-Bromofluorobenzene			113	

Work Order:	1112015	Prep Method:	5030	Prep Date:	12/08/11	Prep Batch:	4297
Matrix:	Water	Analytical Method:	8260TPH	Analyzed Date:	12/08/11	Analytical Batch:	407735
Units:	ug/L						

Parameters	MDL	PQL	Method Blank Conc.	Lab Qualifier
TPH(Gasoline)	22	50	ND	
(S) 4-Bromofluorobenzene			66.8	



LCS/LCSD Summary Report

Raw values are used in quality control assessment.

Work Order:	1112015	Prep Method:	NA	Prep Date:	NA	Prep Batch:	NA
Matrix:	Water	Analytical Method:	SW8260B	Analyzed Date:	12/08/11	Analytical Batch:	407735
Units:	ug/L						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
1,1-Dichloroethene	0.29	0.50	ND	17.04	115	119	3.04	61.4 - 129	30	
Benzene	0.33	0.50	ND	17.04	122	129	5.69	66.9 - 140	30	
Trichloroethylene	0.38	0.50	ND	17.04	97.5	100	2.57	69.3 - 144	30	
Toluene	0.19	0.50	ND	17.04	108	112	4.23	76.6 - 123	30	
Chlorobenzene	0.14	0.50	ND	17.04	99.6	104	3.94	73.9 - 137	30	
(S) Dibromofluoromethane			ND	11.36	107	108		61.2 - 131		
(S) Toluene-d8			ND	11.36	109	109		75.1 - 127		
(S) 4-Bromofluorobenzene			0.35	11.36	113	110		64.1 - 120		

Work Order:	1112015	Prep Method:	NA	Prep Date:	NA	Prep Batch:	NA
Matrix:	Water	Analytical Method:	SW8260B	Analyzed Date:	12/08/11	Analytical Batch:	407754
Units:	ug/L						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
1,1-Dichloroethene	0.29	0.50	ND	17.04	111	121	9.37	61.4 - 129	30	
Benzene	0.33	0.50	ND	17.04	118	125	5.22	66.9 - 140	30	
Trichloroethylene	0.38	0.50	ND	17.04	90.3	99.2	9.35	69.3 - 144	30	
Toluene	0.19	0.50	ND	17.04	98.5	106	7.05	76.6 - 123	30	
Chlorobenzene	0.14	0.50	ND	17.04	94.0	100	6.45	73.9 - 137	30	
(S) Dibromofluoromethane			ND	11.36	109	110		61.2 - 131		
(S) Toluene-d8			ND	11.36	106	106		75.1 - 127		
(S) 4-Bromofluorobenzene			ND	11.36	109	110		64.1 - 120		

Work Order:	1112015	Prep Method:	5030	Prep Date:	12/08/11	Prep Batch:	4297
Matrix:	Water	Analytical Method:	8260TPH	Analyzed Date:	12/08/11	Analytical Batch:	407735
Units:	ug/L						

Parameters	MDL	PQL	Method Blank Conc.	Spike Conc.	LCS % Recovery	LCSD % Recovery	LCS/LCSD % RPD	% Recovery Limits	% RPD Limits	Lab Qualifier
TPH(Gasoline)	22	50	ND	227.27	113	108	5.25	52.4 - 127	30	
(S) 4-Bromofluorobenzene			66.8	11.36	62.9	60.1		41.5 - 125		



Laboratory Qualifiers and Definitions

DEFINITIONS:

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

LABORATORY QUALIFIERS:

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



Sample Receipt Checklist

Client Name: Soma Environmental

Date and Time Received: 12/2/2011 17:19

Project Name: 15101 Freedom Ave., San Leandro

Received By: RK

Work Order No.: 1112015

Physically Logged By: YB

Checklist Completed By: YB

Carrier Name: Client Drop Off

Chain of Custody (COC) Information

Chain of custody present? Yes
Chain of custody signed when relinquished and received? Yes
Chain of custody agrees with sample labels? Yes
Custody seals intact on sample bottles? No

Sample Receipt Information

Custody seals intact on shipping container/cooler? No
Shipping Container/Cooler In Good Condition? Yes
Samples in proper container/bottle? Yes
Samples containers intact? Yes
Sufficient sample volume for indicated test? Yes

Sample Preservation and Hold Time (HT) Information

All samples received within holding time? Yes
Container/Temp Blank temperature in compliance? Temperature: 10 °C
Water-VOA vials have zero headspace? No
Water-pH acceptable upon receipt? N/A
pH Checked by: pH Adjusted by:



Login Summary Report

Client ID: TL5237 Soma Environmental
Project Name: 15101 Freedom Ave., San Leandro
Project # : 2551
Report Due Date: 12/9/2011

QC Level:
TAT Requested: 5+ day:0
Date Received: 12/2/2011
Time Received: 17:19

Comments:

Work Order # : 1112015

<u>WO Sample ID</u>	<u>Client Sample ID</u>	<u>Collection Date/Time</u>	<u>Matrix</u>	<u>Scheduled Disposal</u>	<u>Sample On Hold</u>	<u>Test On Hold</u>	<u>Requested Tests</u>	<u>Subbed</u>
1112015-001A	MW-1	12/02/11 9:54	Water	01/16/12			EDF W_GCMS-GRO W_8260PetE	
Sample Note:	EDF. For PetrE analyze for full list except Naphthalene.							
1112015-002A	MW-2	12/02/11 9:28	Water	01/16/12			W_GCMS-GRO W_8260PetE	
1112015-003A	MW-3	12/02/11 10:55	Water	01/16/12			W_GCMS-GRO W_8260PetE	
1112015-004A	MW-4	12/01/11 15:00	Water	01/16/12			W_GCMS-GRO W_8260PetE	
1112015-005A	MW-5	12/02/11 12:03	Water	01/16/12			W_GCMS-GRO W_8260PetE	
1112015-006A	MW-7	12/01/11 11:46	Water	01/16/12			W_GCMS-GRO W_8260PetE	
1112015-007A	MW-1D	12/01/11 13:20	Water	01/16/12			W_GCMS-GRO W_8260PetE	
1112015-008A	MW-3D	12/01/11 13:59	Water	01/16/12			W_GCMS-GRO W_8260PetE	
1112015-009A	MW-4D	12/01/11 14:31	Water	01/16/12			W_GCMS-GRO W_8260PetE	
1112015-010A	EX-1	12/01/11 12:06	Water	01/16/12			W_GCMS-GRO W_8260PetE	
1112015-011A	EX-2	12/01/11 12:10	Water	01/16/12			W_GCMS-GRO W_8260PetE	
1112015-012A	MPE-1	12/02/11 11:37	Water	01/16/12			W_GCMS-GRO W_8260PetE	



Login Summary Report

Client ID: TL5237 Soma Environmental
Project Name: 15101 Freedom Ave., San Leandro
Project # : 2551
Report Due Date: 12/9/2011

QC Level:
TAT Requested: 5+ day:0
Date Received: 12/2/2011
Time Received: 17:19

Comments:

Work Order # : 1112015

<u>WO Sample ID</u>	<u>Client Sample ID</u>	<u>Collection Date/Time</u>	<u>Matrix</u>	<u>Scheduled Disposal</u>	<u>Sample On Hold</u>	<u>Test On Hold</u>	<u>Requested Tests</u>	<u>Subbed</u>
1112015-013A	MPE-2	12/02/11 10:27	Water	01/16/12			W_8260PetE W_GCMS-GRO W_GCMS-GRO W_8260PetE	



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

CHAIN OF CUSTODY

LAB WORK ORDER NO

11/20/15

NOTE: SHADED AREAS ARE FOR TORRENT LAB USE ONLY

Company Name: SOMA Environmental Engineering, Inc.			Location of Sampling: 15101 Freedom Ave., San Leandro		
Address: 6620 Owens Drive, Suite A			Purpose: Groundwater Monitoring		
City: Pleasanton	State: CA	Zip Code: 94588	Special Instructions / Comments:		
Telephone: 925-734-6400		FAX: 925-734-6401			
REPORT TO: Joyce Bobek		SAMPLER: Lizzie Hightower		P.O. #: 2551	EMAIL: jbobek@somaenv.com

TURNAROUND TIME: Standard

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

SAMPLE TYPE:

- Storm Water Air
 Waste Water Other
 Ground Water
 Soil

REPORT FORMAT:

- QC Level IV
 EDF
 Excel / EDD

ANALYSIS REQUESTED

LAB ID	CLIENT'S SAMPLE I.D.	DATE / TIME SAMPLED	MATRIX	# OF CONT	CONT TYPE	TPH-g 8260B	BTEX, MBE 8260B	Gas Ox 8260B	Lead Scavengers 8260B	Ethanol	REMARKS
001A	MW-1	12/2/11 09:59	W	3	VOAs	✓	✓	✓	✓	✓	
002A	MW-2	12/2/11 09:28	W	3	VOAs	✓	✓	✓	✓	✓	
003A	MW-3	12/2/11 10:55	W	3	VOAs	✓	✓	✓	✓	✓	
004A	MW-4	12/1/11 15:00	W	3	VOAs	✓	✓	✓	✓	✓	
005A	MW-5	12/2/11 12:03	W	3	VOAs	✓	✓	✓	✓	✓	
	MW-6		W	3	VOAs	✓	✓	✓	✓	✓	T-10°C
006A	MW-7	12/1/11 11:46	W	3	VOAs	✓	✓	✓	✓	✓	
007A	MW-1D	12/1/11 13:20	W	3	VOAs	✓	✓	✓	✓	✓	
008A	MW-3D	12/1/11 13:59	W	3	VOAs	✓	✓	✓	✓	✓	
009A	MW-4D	12/1/11 14:31	W	3	VOAs	✓	✓	✓	✓	✓	

1 Relinquished By: <u>E. Hightower</u>	Print: <u>E. Hightower</u>	Date: <u>12/2/11</u>	Time: <u>17:19</u>	Received By: <u>Raj Kaur</u>	Print: <u>Raj Kaur</u>	Date: <u>12/2/11</u>	Time: <u>5:19 pm</u>
2 Relinquished By:	Print:	Date:	Time:	Received By:	Print:	Date:	Time:

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

NOTE: Samples are discarded by the laboratory 30 days from date of receipt unless other arrangements are made. Page 1 of 2

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



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

RESET

CHAIN OF CUSTODY

LAB WORK ORDER NO

1112015

NOTE: SHADED AREAS ARE FOR TORRENT LAB USE ONLY.

Company Name: SOMA Environmental Engineering, Inc.			Location of Sampling: 15101 Freedom Ave., San Leandro		
Address: 6620 Owens Drive, Suite A			Purpose: Groundwater Monitoring		
City: Pleasanton	State: CA	Zip Code: 94588	Special Instructions / Comments:		
Telephone: 925-734-6400		FAX: 925-734-6401			
REPORT TO: Joyce Bobek		SAMPLER: Lizzie Hightower		P.O. #: 2551	EMAIL: jbobek@somaenv.com

TURNAROUND TIME: Standard

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

SAMPLE TYPE:

Storm Water Air
 Waste Water Other
 Ground Water
 Soil

REPORT FORMAT:

QC Level IV
 EDF
 Excel / EDD

TPH-g 8260B
 BTEX, MtBE 8260E
 Gas Ox 8260B
 Lead Scavengers 8260E
 Ethanol



LAB ID	CLIENT'S SAMPLE I.D.	DATE / TIME SAMPLED	MATRIX	# OF CONT	CONT TYPE	TPH-g 8260B	BTEX, MtBE 8260E	Gas Ox 8260B	Lead Scavengers 8260E	Ethanol	REMARKS
010A	EX-1	12/1/11 12:06	W	3	VOAs	✓	✓	✓	✓	✓	
011A	EX-2	12/1/11 12:10	W	3	VOAs	✓	✓	✓	✓	✓	
012A	MPE-1	12/2/11 11:57	W	3	VOAs	✓	✓	✓	✓	✓	T-10°C
013A	MPE-2	12/2/11 10:27	W	3	VOAs	✓	✓	✓	✓	✓	

Relinquished By: <u>E. Hightower</u>	Print: <u>E. Hightower</u>	Date: <u>12/2/11</u>	Time: <u>17:19</u>	Received By: <u>R. Kaur</u>	Print: <u>R. Kaur</u>	Date: <u>12/2/11</u>	Time: <u>5:19pm</u>
Relinquished By: <u> </u>	Print: <u> </u>	Date: <u> </u>	Time: <u> </u>	Received By: <u> </u>	Print: <u> </u>	Date: <u> </u>	Time: <u> </u>

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

NOTE: Samples are discarded by the laboratory 30 days from date of receipt unless other arrangements are made. Page 2 of 2

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

Appendix D

Laboratory Report and Chain of Custody Form for the Treatment System



Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878

2323 Fifth Street, Berkeley, CA 94710, Phone (510) 486-0900

**Laboratory Job Number 232307
ANALYTICAL REPORT**

SOMA Environmental Engineering Inc.
6620 Owens Dr.
Pleasanton, CA 94588

Project : 2553
Location : 15101 Freedom Ave, San Leandro
Level : II

<u>Sample ID</u>	<u>Lab ID</u>
EFFLUENT	232307-001
GAC-1	232307-002
INFLUENT	232307-003

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature. The results contained in this report meet all requirements of NELAC and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

Signature: _____

Project Manager

Date: 11/04/2011

NELAP # 01107CA

CASE NARRATIVE

Laboratory number: 232307
Client: SOMA Environmental Engineering Inc.
Project: 2553
Location: 15101 Freedom Ave, San Leandro
Request Date: 10/27/11
Samples Received: 10/27/11

This data package contains sample and QC results for three water samples, requested for the above referenced project on 10/27/11. The samples were received cold and intact.

TPH-Purgeables and/or BTXE by GC (EPA 8015B and EPA 8021B):

No analytical problems were encountered.

TPH-Extractables by GC (EPA 8015B):

No analytical problems were encountered.

Total Suspended Solids (TSS) (SM2540D):

High RPD was observed for total suspended solids in the BS/BSD for batch 180615. No other analytical problems were encountered.

pH (EPA 9040C):

No analytical problems were encountered.

Chemical Oxygen Demand (SM5220D):

No analytical problems were encountered.

CHAIN OF CUSTODY

Analyses

Curtis & Tompkins, Ltd
 Analytical Laboratory Since 1878
 2323 Fifth Street
 Berkeley, CA 94710
 (510)486-0900 Phone
 (510)486-0532 Fax

LOGIN # 232307

Sampler: MASOOD-SEPEHR

Project No: 2553

Report To: Joyce Bobek

Project Name: 15101 Freedom Ave, San Leandro 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				TPH-g 8015	TPH-d, TPH-mo 8015	BTEX 8020	COD	pH, TSS
			Soil	Water	Waste		HCL	H ₂ SO ₄	HNO ₃	ICE					
1	EFFLUENT	10/27/11-14	*	*	*	6 VOAs	*			*					
				*		2-500mL Amber					*				
				*		250 mL Poly		*				*			
				*		500 mL Poly							*		
2	GAC-1		*			6 VOAs	*			*					
3	INFLUENT		*			6 VOAs	*			*					

Notes: EDF OUTPUT REQUIRED

on ice 11/1

RELINQUISHED BY:

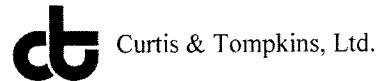
[Signature] 10/27/11 DATE/TIME
[Signature] 16.20 DATE/TIME
 DATE/TIME

RECEIVED BY:

[Signature] 10/28/11 DATE/TIME
 DATE/TIME
 DATE/TIME

4.2

COOLER RECEIPT CHECKLIST



Login # 232307 Date Received 10/27/11 Number of coolers 1
 Client JOMA Project 2553

Date Opened 10/27/11 By (print) J. CHOY (sign)
 Date Logged in ↓ By (print) ↓ (sign) ↓

1. Did cooler come with a shipping slip (airbill, etc) _____ YES NO
 Shipping info _____

2A. Were custody seals present? YES (circle) on cooler on samples NO
 How many _____ Name _____ Date _____

2B. Were custody seals intact upon arrival? _____ YES NO N/A

3. Were custody papers dry and intact when received? _____ YES NO

4. Were custody papers filled out properly (ink, signed, etc)? _____ YES NO

5. Is the project identifiable from custody papers? (If so fill out top of form) _____ YES NO

6. Indicate the packing in cooler: (if other, describe) _____

- Bubble Wrap
- Foam blocks
- Bags
- None
- Cloth material
- Cardboard
- Styrofoam
- Paper towels

7. Temperature documentation: * Notify PM if temperature exceeds 6°C

Type of ice used: Wet Blue/Gel None Temp(°C) _____

Samples Received on ice & cold without a temperature blank

Samples received on ice directly from the field. Cooling process had begun

8. Were Method 5035 sampling containers present? _____ YES NO

If YES, what time were they transferred to freezer? _____

9. Did all bottles arrive unbroken/unopened? _____ YES NO N/A

10. Are there any missing / extra samples? _____ YES NO

11. Are samples in the appropriate containers for indicated tests? _____ YES NO

12. Are sample labels present, in good condition and complete? _____ YES NO

13. Do the sample labels agree with custody papers? _____ YES NO

14. Was sufficient amount of sample sent for tests requested? _____ YES NO

15. Are the samples appropriately preserved? _____ YES NO N/A

16. Did you check preservatives for all bottles for each sample? _____ YES NO N/A

17. Did you document your preservative check? _____ YES NO N/A

18. Did you change the hold time in LIMS for unpreserved VOAs? _____ YES NO N/A

19. Did you change the hold time in LIMS for preserved terracores? _____ YES NO N/A

20. Are bubbles > 6mm absent in VOA samples? _____ YES NO N/A

21. Was the client contacted concerning this sample delivery? _____ YES NO

If YES, Who was called? _____ By _____ Date: _____

COMMENTS

Curtis & Tompkins Sample Preservation for 232307

<u>Sample</u>	<u>pH:</u>	<u><2</u>	<u>>12</u>	<u>Other</u>
-001a		[]	[]	_____
b		[]	[]	_____
c		[]	[]	_____
d		[]	[]	_____
e		[]	[]	_____
f		[]	[]	_____
g		[x]	[]	_____
h		[]	[]	_____
i		[]	[]	_____
j		[]	[]	_____

Analyst: DL Ely
Date: 10/27/00

Curtis & Tompkins Laboratories Analytical Report

Lab #: 232307	Location: 15101 Freedom Ave, San Leandro
Client: SOMA Environmental Engineering Inc.	Prep: EPA 5030B
Project#: 2553	
Matrix: Water	Batch#: 180789
Units: ug/L	Sampled: 10/27/11
Diln Fac: 1.000	Received: 10/27/11

Field ID: EFFLUENT Lab ID: 232307-001
 Type: SAMPLE Analyzed: 11/02/11

Analyte	Result	RL	Analysis
Gasoline C7-C12	ND	50	EPA 8015B
Benzene	ND	0.50	EPA 8021B
Toluene	ND	0.50	EPA 8021B
Ethylbenzene	ND	0.50	EPA 8021B
m,p-Xylenes	ND	0.50	EPA 8021B
o-Xylene	ND	0.50	EPA 8021B

Surrogate	%REC	Limits	Analysis
Bromofluorobenzene (FID)	97	78-123	EPA 8015B
Bromofluorobenzene (PID)	100	80-120	EPA 8021B

Field ID: GAC-1 Lab ID: 232307-002
 Type: SAMPLE Analyzed: 11/02/11

Analyte	Result	RL	Analysis
Gasoline C7-C12	ND	50	EPA 8015B
Benzene	ND	0.50	EPA 8021B
Toluene	ND	0.50	EPA 8021B
Ethylbenzene	ND	0.50	EPA 8021B
m,p-Xylenes	ND	0.50	EPA 8021B
o-Xylene	ND	0.50	EPA 8021B

Surrogate	%REC	Limits	Analysis
Bromofluorobenzene (FID)	97	78-123	EPA 8015B
Bromofluorobenzene (PID)	99	80-120	EPA 8021B

ND= Not Detected
 RL= Reporting Limit

Curtis & Tompkins Laboratories Analytical Report

Lab #: 232307	Location: 15101 Freedom Ave, San Leandro
Client: SOMA Environmental Engineering Inc.	Prep: EPA 5030B
Project#: 2553	
Matrix: Water	Batch#: 180789
Units: ug/L	Sampled: 10/27/11
Diln Fac: 1.000	Received: 10/27/11

Field ID: INFLUENT Lab ID: 232307-003
 Type: SAMPLE Analyzed: 11/02/11

Analyte	Result	RL	Analysis
Gasoline C7-C12	ND	50	EPA 8015B
Benzene	1.5	0.50	EPA 8021B
Toluene	ND	0.50	EPA 8021B
Ethylbenzene	ND	0.50	EPA 8021B
m,p-Xylenes	1.8	0.50	EPA 8021B
o-Xylene	1.1	0.50	EPA 8021B

Surrogate	%REC	Limits	Analysis
Bromofluorobenzene (FID)	96	78-123	EPA 8015B
Bromofluorobenzene (PID)	98	80-120	EPA 8021B

Type: BLANK Analyzed: 11/01/11
 Lab ID: QC616619

Analyte	Result	RL	Analysis
Gasoline C7-C12	ND	50	EPA 8015B
Benzene	ND	0.50	EPA 8021B
Toluene	ND	0.50	EPA 8021B
Ethylbenzene	ND	0.50	EPA 8021B
m,p-Xylenes	ND	0.50	EPA 8021B
o-Xylene	ND	0.50	EPA 8021B

Surrogate	%REC	Limits	Analysis
Bromofluorobenzene (FID)	90	78-123	EPA 8015B
Bromofluorobenzene (PID)	93	80-120	EPA 8021B

ND= Not Detected
 RL= Reporting Limit

Batch QC Report

Curtis & Tompkins Laboratories Analytical Report

Lab #:	232307	Location:	15101 Freedom Ave, San Leandro
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2553		
Matrix:	Water	Batch#:	180789
Units:	ug/L	Analyzed:	11/01/11
Diln Fac:	1.000		

Type: BS Lab ID: QC616616

Analyte	Spiked	Result	%REC	Limits	Analysis
Benzene	10.00	9.358	94	80-120	EPA 8021B
Toluene	10.00	8.923	89	80-120	EPA 8021B
Ethylbenzene	10.00	9.245	92	80-120	EPA 8021B
m,p-Xylenes	10.00	9.180	92	80-120	EPA 8021B
o-Xylene	10.00	9.428	94	80-120	EPA 8021B

Surrogate	%REC	Limits	Analysis
Bromofluorobenzene (FID)	89	78-123	EPA 8015B
Bromofluorobenzene (PID)	94	80-120	EPA 8021B

Type: BSD Lab ID: QC616617

Analyte	Spiked	Result	%REC	Limits	RPD	Lim	Analysis
Benzene	10.00	10.33	103	80-120	10	20	EPA 8021B
Toluene	10.00	9.228	92	80-120	3	20	EPA 8021B
Ethylbenzene	10.00	9.546	95	80-120	3	20	EPA 8021B
m,p-Xylenes	10.00	9.038	90	80-120	2	20	EPA 8021B
o-Xylene	10.00	9.750	97	80-120	3	20	EPA 8021B

Surrogate	%REC	Limits	Analysis
Bromofluorobenzene (FID)	90	78-123	EPA 8015B
Bromofluorobenzene (PID)	92	80-120	EPA 8021B

RPD= Relative Percent Difference

Batch QC Report

Curtis & Tompkins Laboratories Analytical Report

Lab #:	232307	Location:	15101 Freedom Ave, San Leandro	
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B	
Project#:	2553			
Type:	LCS	Diln Fac:	1.000	
Lab ID:	QC616618	Batch#:	180789	
Matrix:	Water	Analyzed:	11/01/11	
Units:	ug/L			

Analyte	Spiked	Result	%REC	Limits	Analysis
Gasoline C7-C12	1,000	1,025	103	80-120	EPA 8015B

Surrogate	%REC	Limits	Analysis
Bromofluorobenzene (FID)	96	78-123	EPA 8015B
Bromofluorobenzene (PID)	87	80-120	EPA 8021B

Batch QC Report

Curtis & Tompkins Laboratories Analytical Report

Lab #:	232307	Location:	15101 Freedom Ave, San Leandro
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2553		
Field ID:	ZZZZZZZZZZ	Batch#:	180789
MSS Lab ID:	232321-002	Sampled:	10/27/11
Matrix:	Water	Received:	10/28/11
Units:	ug/L	Analyzed:	11/02/11
Diln Fac:	1.000		

Type: MS Lab ID: QC616620

Analyte	MSS Result	Spiked	Result	%REC	Limits	Analysis
Gasoline C7-C12	15.18	2,000	2,160	107	66-120	EPA 8015B

Surrogate	%REC	Limits	Analysis
Bromofluorobenzene (FID)	96	78-123	EPA 8015B
Bromofluorobenzene (PID)	96	80-120	EPA 8021B

Type: MSD Lab ID: QC616621

Analyte	Spiked	Result	%REC	Limits	RPD	Lim	Analysis
Gasoline C7-C12	2,000	2,104	104	66-120	3	25	EPA 8015B

Surrogate	%REC	Limits	Analysis
Bromofluorobenzene (FID)	97	78-123	EPA 8015B
Bromofluorobenzene (PID)	97	80-120	EPA 8021B

RPD= Relative Percent Difference

Total Extractable Hydrocarbons			
Lab #:	232307	Location:	15101 Freedom Ave, San Leandro
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 3520C
Project#:	2553	Analysis:	EPA 8015B
Field ID:	EFFLUENT	Sampled:	10/27/11
Matrix:	Water	Received:	10/27/11
Units:	ug/L	Prepared:	10/28/11
Diln Fac:	1.000	Analyzed:	11/01/11
Batch#:	180669		

Type: SAMPLE Lab ID: 232307-001

Analyte	Result	RL
Diesel C10-C24	ND	50
Motor Oil C24-C36	ND	300

Surrogate	%REC	Limits
o-Terphenyl	98	68-120

Type: BLANK Lab ID: QC616122

Analyte	Result	RL
Diesel C10-C24	ND	50
Motor Oil C24-C36	ND	300

Surrogate	%REC	Limits
o-Terphenyl	106	68-120

ND= Not Detected
 RL= Reporting Limit

Batch QC Report

Total Extractable Hydrocarbons			
Lab #:	232307	Location:	15101 Freedom Ave, San Leandro
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 3520C
Project#:	2553	Analysis:	EPA 8015B
Matrix:	Water	Batch#:	180669
Units:	ug/L	Prepared:	10/28/11
Diln Fac:	1.000	Analyzed:	11/01/11

Type: BS Cleanup Method: EPA 3630C
 Lab ID: QC616123

Analyte	Spiked	Result	%REC	Limits
Diesel C10-C24	2,500	2,075	83	61-120

Surrogate	%REC	Limits
o-Terphenyl	97	68-120

Type: BSD Cleanup Method: EPA 3630C
 Lab ID: QC616124

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Diesel C10-C24	2,500	1,854	74	61-120	11	20

Surrogate	%REC	Limits
o-Terphenyl	89	68-120

RPD= Relative Percent Difference

Chemical Oxygen Demand			
Lab #:	232307	Location:	15101 Freedom Ave, San Leandro
Client:	SOMA Environmental Engineering Inc.	Prep:	METHOD
Project#:	2553	Analysis:	SM5220D
Analyte:	Chemical Oxygen Demand	Batch#:	180858
Field ID:	EFFLUENT	Sampled:	10/27/11 14:00
Matrix:	Water	Received:	10/27/11
Units:	mg/L	Prepared:	11/03/11 12:30
Diln Fac:	1.000	Analyzed:	11/03/11 14:30

Type	Lab ID	Result	RL
SAMPLE	232307-001	ND	10
BLANK	QC616894	ND	10

ND= Not Detected
 RL= Reporting Limit

Batch QC Report

Chemical Oxygen Demand			
Lab #:	232307	Location:	15101 Freedom Ave, San Leandro
Client:	SOMA Environmental Engineering Inc.	Prep:	METHOD
Project#:	2553	Analysis:	SM5220D
Analyte:	Chemical Oxygen Demand	Batch#:	180858
Field ID:	ZZZZZZZZZZ	Sampled:	11/01/11 16:00
MSS Lab ID:	232410-001	Received:	11/02/11
Matrix:	Water	Prepared:	11/03/11 12:30
Units:	mg/L	Analyzed:	11/03/11 14:30

Type	Lab ID	MSS Result	Spiked	Result	%REC	Limits	RPD	Lim	Diln	Fac
LCS	QC616895		75.00	67.97	91	90-110				1.000
MS	QC616896	<10.00	150.0	149.3	100	61-127				2.000
MSD	QC616897		150.0	140.6	94	61-127	6	20		2.000

RPD= Relative Percent Difference

pH			
Lab #:	232307	Location:	15101 Freedom Ave, San Leandro
Client:	SOMA Environmental Engineering Inc.	Prep:	METHOD
Project#:	2553	Analysis:	EPA 9040C
Analyte:	pH	Batch#:	180604
Field ID:	EFFLUENT	Sampled:	10/27/11 14:00
Lab ID:	232307-001	Received:	10/27/11
Matrix:	Water	Prepared:	10/27/11 12:10
Units:	SU	Analyzed:	10/27/11 19:00
Diln Fac:	1.000		

Result	RL
7.1	1.0

RL= Reporting Limit

Batch QC Report

pH	
Lab #: 232307	Location: 15101 Freedom Ave, San Leandro
Client: SOMA Environmental Engineering Inc.	Prep: METHOD
Project#: 2553	Analysis: EPA 9040C
Analyte: pH	Diln Fac: 1.000
Field ID: ZZZZZZZZZZ	Batch#: 180604
Type: SDUP	Sampled: 10/27/11 07:30
MSS Lab ID: 232282-001	Received: 10/27/11
Lab ID: QC615841	Prepared: 10/27/11 12:10
Matrix: Water	Analyzed: 10/27/11 19:00
Units: SU	

MSS Result	Result	RL	RPD	Lim
7.750	7.700	1.000	1	20

RL= Reporting Limit

RPD= Relative Percent Difference

Total Suspended Solids (TSS)

Lab #:	232307	Location:	15101 Freedom Ave, San Leandro
Client:	SOMA Environmental Engineering Inc.	Prep:	METHOD
Project#:	2553	Analysis:	SM2540D
Analyte:	Total Suspended Solids	Batch#:	180615
Field ID:	EFFLUENT	Sampled:	10/27/11
Matrix:	Water	Received:	10/27/11
Units:	mg/L	Prepared:	10/27/11
Diln Fac:	1.000	Analyzed:	10/28/11

Type	Lab ID	Result	RL
SAMPLE	232307-001	7	5
BLANK	QC615890	ND	5

ND= Not Detected
 RL= Reporting Limit

Batch QC Report

Total Suspended Solids (TSS)			
Lab #:	232307	Location:	15101 Freedom Ave, San Leandro
Client:	SOMA Environmental Engineering Inc.	Prep:	METHOD
Project#:	2553	Analysis:	SM2540D
Analyte:	Total Suspended Solids	Batch#:	180615
Field ID:	ZZZZZZZZZZ	Sampled:	10/26/11
MSS Lab ID:	232260-001	Received:	10/26/11
Matrix:	Water	Prepared:	10/27/11
Units:	mg/L	Analyzed:	10/28/11
Diln Fac:	1.000		

Type	Lab ID	MSS Result	Spiked	Result	%REC	Limits	RPD	Lim
BS	QC615891		50.00	53.00	106	80-120		
BSD	QC615892		50.00	56.00	112	80-120	6 *	5
MS	QC615893	51.00	50.00	111.0	120	62-127		
MSD	QC615894		50.00	107.0	112	62-127	4	5

*= Value outside of QC limits; see narrative

RPD= Relative Percent Difference



Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878

2323 Fifth Street, Berkeley, CA 94710, Phone (510) 486-0900

**Laboratory Job Number 232902
ANALYTICAL REPORT**

SOMA Environmental Engineering Inc.
6620 Owens Dr.
Pleasanton, CA 94588

Project : 2553
Location : 15101 Freedom Ave. San Leandro
Level : II

Sample ID
EFFLUENT

Lab ID
232902-001

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature. The results contained in this report meet all requirements of NELAC and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

Signature: _____

Project Manager

Date: 12/06/2011

NELAP # 01107CA

CASE NARRATIVE

Laboratory number: 232902
Client: SOMA Environmental Engineering Inc.
Project: 2553
Location: 15101 Freedom Ave. San Leandro
Request Date: 11/18/11
Samples Received: 11/18/11

This data package contains sample and QC results for one water sample, requested for the above referenced project on 11/18/11. The sample was received cold and intact.

TPH-Purgeables and/or BTXE by GC (EPA 8015B and EPA 8021B):

No analytical problems were encountered.

TPH-Extractables by GC (EPA 8015B):

No analytical problems were encountered.

Total Suspended Solids (TSS) (SM2540D):

High RPD was observed for total suspended solids in the BS/BSD for batch 181610; this analyte was not detected at or above the RL in the associated sample. No other analytical problems were encountered.

Chemical Oxygen Demand (SM5220D):

No analytical problems were encountered.

CHAIN OF CUSTODY

Analyses

Curtis & Tompkins, Ltd
 Analytical Laboratory Since 1878
 2323 Fifth Street
 Berkeley, CA 94710
 (510)486-0900 Phone
 (510)486-0532 Fax

LOGIN # 232902

Sampler: MASOUD-SEPEHR

Project No: 2553

Report To: Joyce Bobek

Project Name: 15101 Freedom Ave, San Leandro Company: SOMA Environmental

Turnaround Time: Standard


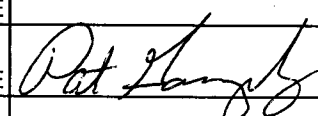
Telephone: 925-734-6400

Fax: 925-734-6401

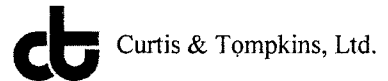
Lab No.	Sample ID.	Sampling Date Time	Matrix			# of Containers	Preservative				TPH-g, TPH-d, TPH-mo 8015	BTEX 8020	COD	TSS							
			Soil	Water	Waste		HCL	H ₂ SO ₄	HNO ₃	ICE											
	Effluent	11/18/11-12	*			6 VOAs	*				*										
			*			1-1L 2-500 mL Ambers					*										
			*			250 mL Poly		*			*										
			*			500 mL Poly					*										

Notes: **EDF OUTPUT REQUIRED**

 On Blue ice, P.S.

RELINQUISHED BY:		RECEIVED BY:	
	DATE/TIME		DATE/TIME
	13:14		11/18/11 1314
	11/18/11		

COOLER RECEIPT CHECKLIST



Login # _____ Date Received 11/8/11 Number of coolers 1
 Client Soma Environmental Project 2553

Date Opened 11/10/11 By (print) I. CHOI (sign) _____
 Date Logged in ↓ By (print) ↓ (sign) _____

1. Did cooler come with a shipping slip (airbill, etc) _____ YES NO
 Shipping info _____

2A. Were custody seals present? YES (circle) on cooler on samples NO
 How many _____ Name _____ Date _____

2B. Were custody seals intact upon arrival? _____ YES NO N/A

3. Were custody papers dry and intact when received? _____ YES NO

4. Were custody papers filled out properly (ink, signed, etc)? _____ YES NO

5. Is the project identifiable from custody papers? (If so fill out top of form) YES NO

6. Indicate the packing in cooler: (if other, describe) _____
 Bubble Wrap Foam blocks Bags None
 Cloth material Cardboard Styrofoam Paper towels

7. Temperature documentation: * Notify PM if temperature exceeds 6°C
 Type of ice used: Wet Blue/Gel None Temp(°C) _____

Samples Received on ice & cold without a temperature blank

Samples received on ice directly from the field. Cooling process had begun

8. Were Method 5035 sampling containers present? _____ YES NO
 If YES, what time were they transferred to freezer? _____

9. Did all bottles arrive unbroken/unopened? _____ YES NO

10. Are there any missing / extra samples? _____ YES NO

11. Are samples in the appropriate containers for indicated tests? _____ YES NO

12. Are sample labels present, in good condition and complete? _____ YES NO

13. Do the sample labels agree with custody papers? _____ YES NO

14. Was sufficient amount of sample sent for tests requested? _____ YES NO

15. Are the samples appropriately preserved? _____ YES NO N/A

16. Did you check preservatives for all bottles for each sample? _____ YES NO N/A

17. Did you document your preservative check? _____ YES NO N/A

18. Did you change the hold time in LIMS for unpreserved VOAs? _____ YES NO N/A

19. Did you change the hold time in LIMS for preserved terracores? _____ YES NO N/A

20. Are bubbles > 6mm absent in VOA samples? _____ YES NO N/A

21. Was the client contacted concerning this sample delivery? _____ YES NO
 If YES, Who was called? _____ By _____ Date: _____

COMMENTS

Curtis & Tompkins Sample Preservation for 232902

Sample	pH: <2	>12	Other
-001a	<input type="checkbox"/>	<input type="checkbox"/>	_____
b	<input type="checkbox"/>	<input type="checkbox"/>	_____
c	<input type="checkbox"/>	<input type="checkbox"/>	_____
d	<input type="checkbox"/>	<input type="checkbox"/>	_____
e	<input type="checkbox"/>	<input type="checkbox"/>	_____
f	<input type="checkbox"/>	<input type="checkbox"/>	_____
g	<input checked="" type="checkbox"/>	<input type="checkbox"/>	_____
h	<input type="checkbox"/>	<input type="checkbox"/>	_____
i	<input type="checkbox"/>	<input type="checkbox"/>	_____

Analyst: JLV
Date: 11/18/11

Curtis & Tompkins Laboratories Analytical Report

Lab #:	232902	Location:	15101 Freedom Ave. San Leandro
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2553		
Field ID:	EFFLUENT	Batch#:	181629
Matrix:	Water	Sampled:	11/18/11
Units:	ug/L	Received:	11/18/11
Diln Fac:	1.000		

Type: SAMPLE Analyzed: 11/24/11
 Lab ID: 232902-001

Analyte	Result	RL	Analysis
Gasoline C7-C12	ND	50	EPA 8015B
Benzene	ND	0.50	EPA 8021B
Toluene	ND	0.50	EPA 8021B
Ethylbenzene	ND	0.50	EPA 8021B
m,p-Xylenes	ND	0.50	EPA 8021B
o-Xylene	ND	0.50	EPA 8021B

Surrogate	%REC	Limits	Analysis
Bromofluorobenzene (FID)	91	78-123	EPA 8015B
Bromofluorobenzene (PID)	106	80-120	EPA 8021B

Type: BLANK Analyzed: 11/23/11
 Lab ID: QC620156

Analyte	Result	RL	Analysis
Gasoline C7-C12	ND	50	EPA 8015B
Benzene	ND	0.50	EPA 8021B
Toluene	ND	0.50	EPA 8021B
Ethylbenzene	ND	0.50	EPA 8021B
m,p-Xylenes	ND	0.50	EPA 8021B
o-Xylene	ND	0.50	EPA 8021B

Surrogate	%REC	Limits	Analysis
Bromofluorobenzene (FID)	85	78-123	EPA 8015B
Bromofluorobenzene (PID)	98	80-120	EPA 8021B

ND= Not Detected
 RL= Reporting Limit

Batch QC Report

Curtis & Tompkins Laboratories Analytical Report

Lab #:	232902	Location:	15101 Freedom Ave. San Leandro
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2553		
Matrix:	Water	Batch#:	181629
Units:	ug/L	Analyzed:	11/23/11
Diln Fac:	1.000		

Type: BS Lab ID: QC620153

Analyte	Spiked	Result	%REC	Limits	Analysis
Benzene	10.00	9.789	98	80-120	EPA 8021B
Toluene	10.00	9.966	100	80-120	EPA 8021B
Ethylbenzene	10.00	9.683	97	80-120	EPA 8021B
m,p-Xylenes	10.00	10.19	102	80-120	EPA 8021B
o-Xylene	10.00	10.00	100	80-120	EPA 8021B

Surrogate	%REC	Limits	Analysis
Bromofluorobenzene (FID)	86	78-123	EPA 8015B
Bromofluorobenzene (PID)	103	80-120	EPA 8021B

Type: BSD Lab ID: QC620154

Analyte	Spiked	Result	%REC	Limits	RPD	Lim	Analysis
Benzene	10.00	10.13	101	80-120	3	20	EPA 8021B
Toluene	10.00	10.23	102	80-120	3	20	EPA 8021B
Ethylbenzene	10.00	10.02	100	80-120	3	20	EPA 8021B
m,p-Xylenes	10.00	10.50	105	80-120	3	20	EPA 8021B
o-Xylene	10.00	10.32	103	80-120	3	20	EPA 8021B

Surrogate	%REC	Limits	Analysis
Bromofluorobenzene (FID)	86	78-123	EPA 8015B
Bromofluorobenzene (PID)	103	80-120	EPA 8021B

RPD= Relative Percent Difference

Batch QC Report

Curtis & Tompkins Laboratories Analytical Report

Lab #:	232902	Location:	15101 Freedom Ave. San Leandro	
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B	
Project#:	2553			
Type:	LCS	Diln Fac:	1.000	
Lab ID:	QC620155	Batch#:	181629	
Matrix:	Water	Analyzed:	11/23/11	
Units:	ug/L			

Analyte	Spiked	Result	%REC	Limits	Analysis
Gasoline C7-C12	1,000	962.9	96	80-120	EPA 8015B

Surrogate	%REC	Limits	Analysis
Bromofluorobenzene (FID)	93	78-123	EPA 8015B
Bromofluorobenzene (PID)	109	80-120	EPA 8021B

Batch QC Report

Curtis & Tompkins Laboratories Analytical Report

Lab #:	232902	Location:	15101 Freedom Ave. San Leandro		
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B		
Project#:	2553				
Field ID:	ZZZZZZZZZZ	Diln Fac:	1.000		
MSS Lab ID:	232905-001	Batch#:	181629		
Matrix:	Water	Sampled:	11/18/11		
Units:	ug/L	Received:	11/18/11		

Type: MS Analyzed: 11/23/11
 Lab ID: QC620157

Analyte	MSS Result	Spiked	Result	%REC	Limits	Analysis
Gasoline C7-C12	34.01	2,000	2,051	101	66-120	EPA 8015B

Surrogate	%REC	Limits	Analysis
Bromofluorobenzene (FID)	100	78-123	EPA 8015B
Bromofluorobenzene (PID)	113	80-120	EPA 8021B

Type: MSD Analyzed: 11/24/11
 Lab ID: QC620158

Analyte	Spiked	Result	%REC	Limits	RPD	Lim	Analysis
Gasoline C7-C12	2,000	1,980	97	66-120	4	25	EPA 8015B

Surrogate	%REC	Limits	Analysis
Bromofluorobenzene (FID)	100	78-123	EPA 8015B
Bromofluorobenzene (PID)	113	80-120	EPA 8021B

RPD= Relative Percent Difference

Batch QC Report

Curtis & Tompkins Laboratories Analytical Report

Lab #:	232902	Location:	15101 Freedom Ave. San Leandro
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2553		
Field ID:	ZZZZZZZZZZ	Batch#:	181629
MSS Lab ID:	232869-003	Sampled:	11/17/11
Matrix:	Water	Received:	11/17/11
Units:	ug/L	Analyzed:	11/24/11
Diln Fac:	1.000		

Type: MS Lab ID: QC620159

Analyte	MSS Result	Spiked	Result	%REC	Limits	Analysis
Gasoline C7-C12	55.79	2,000	2,003	97	66-120	EPA 8015B

Surrogate	%REC	Limits	Analysis
Bromofluorobenzene (FID)	98	78-123	EPA 8015B
Bromofluorobenzene (PID)	112	80-120	EPA 8021B

Type: MSD Lab ID: QC620160

Analyte	Spiked	Result	%REC	Limits	RPD	Lim	Analysis
Gasoline C7-C12	2,000	1,948	95	66-120	3	25	EPA 8015B

Surrogate	%REC	Limits	Analysis
Bromofluorobenzene (FID)	96	78-123	EPA 8015B
Bromofluorobenzene (PID)	110	80-120	EPA 8021B

RPD= Relative Percent Difference

Total Extractable Hydrocarbons			
Lab #:	232902	Location:	15101 Freedom Ave. San Leandro
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 3520C
Project#:	2553	Analysis:	EPA 8015B
Field ID:	EFFLUENT	Batch#:	181695
Matrix:	Water	Sampled:	11/18/11
Units:	ug/L	Received:	11/18/11
Diln Fac:	1.000		

Type: SAMPLE Prepared: 11/29/11
 Lab ID: 232902-001 Analyzed: 12/02/11

Analyte	Result	RL
Diesel C10-C24	ND	50
Motor Oil C24-C36	ND	300

Surrogate	%REC	Limits
o-Terphenyl	108	68-120

Type: BLANK Prepared: 11/28/11
 Lab ID: QC620399 Analyzed: 11/29/11

Analyte	Result	RL
Diesel C10-C24	ND	50
Motor Oil C24-C36	ND	300

Surrogate	%REC	Limits
o-Terphenyl	104	68-120

ND= Not Detected
 RL= Reporting Limit

Batch QC Report

Total Extractable Hydrocarbons			
Lab #:	232902	Location:	15101 Freedom Ave. San Leandro
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 3520C
Project#:	2553	Analysis:	EPA 8015B
Matrix:	Water	Batch#:	181695
Units:	ug/L	Prepared:	11/28/11
Diln Fac:	1.000	Analyzed:	11/29/11

Type: BS Cleanup Method: EPA 3630C
 Lab ID: QC620400

Analyte	Spiked	Result	%REC	Limits
Diesel C10-C24	2,500	1,981	79	61-120

Surrogate	%REC	Limits
o-Terphenyl	93	68-120

Type: BSD Cleanup Method: EPA 3630C
 Lab ID: QC620401

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Diesel C10-C24	2,500	2,160	86	61-120	9	20

Surrogate	%REC	Limits
o-Terphenyl	99	68-120

RPD= Relative Percent Difference

Chemical Oxygen Demand			
Lab #:	232902	Location:	15101 Freedom Ave. San Leandro
Client:	SOMA Environmental Engineering Inc.	Prep:	METHOD
Project#:	2553	Analysis:	SM5220D
Analyte:	Chemical Oxygen Demand	Batch#:	181676
Field ID:	EFFLUENT	Sampled:	11/18/11 12:00
Matrix:	Water	Received:	11/18/11
Units:	mg/L	Prepared:	11/28/11 12:50
Diln Fac:	1.000	Analyzed:	11/28/11 14:50

Type	Lab ID	Result	RL
SAMPLE	232902-001	ND	10
BLANK	QC620327	ND	10

ND= Not Detected
 RL= Reporting Limit

Batch QC Report

Chemical Oxygen Demand			
Lab #:	232902	Location:	15101 Freedom Ave. San Leandro
Client:	SOMA Environmental Engineering Inc.	Prep:	METHOD
Project#:	2553	Analysis:	SM5220D
Analyte:	Chemical Oxygen Demand	Batch#:	181676
Field ID:	ZZZZZZZZZZ	Sampled:	11/14/11 09:20
MSS Lab ID:	232749-001	Received:	11/14/11
Matrix:	Water	Prepared:	11/28/11 12:50
Units:	mg/L	Analyzed:	11/28/11 14:50

Type	Lab ID	MSS Result	Spiked	Result	%REC	Limits	RPD	Lim	Diln	Fac
LCS	QC620328		75.00	81.67	109	90-110				1.000
MS	QC620329	28.63	300.0	315.2	96	61-127				2.000
MSD	QC620330		300.0	337.7	103	61-127	7	20		2.000

RPD= Relative Percent Difference

Total Suspended Solids (TSS)

Lab #:	232902	Location:	15101 Freedom Ave. San Leandro
Client:	SOMA Environmental Engineering Inc.	Prep:	METHOD
Project#:	2553	Analysis:	SM2540D
Analyte:	Total Suspended Solids	Batch#:	181610
Field ID:	EFFLUENT	Sampled:	11/18/11
Matrix:	Water	Received:	11/18/11
Units:	mg/L	Analyzed:	11/23/11
Diln Fac:	1.000		

Type	Lab ID	Result	RL
SAMPLE	232902-001	ND	5
BLANK	QC620068	ND	5

ND= Not Detected
 RL= Reporting Limit

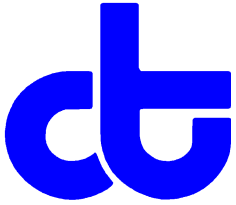
Batch QC Report

Total Suspended Solids (TSS)			
Lab #:	232902	Location:	15101 Freedom Ave. San Leandro
Client:	SOMA Environmental Engineering Inc.	Prep:	METHOD
Project#:	2553	Analysis:	SM2540D
Analyte:	Total Suspended Solids	Diln Fac:	1.000
Field ID:	ZZZZZZZZZZ	Batch#:	181610
MSS Lab ID:	232963-001	Sampled:	11/18/11
Matrix:	Water	Received:	11/22/11
Units:	mg/L	Analyzed:	11/23/11

Type	Lab ID	MSS Result	Spiked	Result	%REC	Limits	RPD	Lim
BS	QC620069		50.00	52.00	104	80-120		
BSD	QC620070		50.00	56.00	112	80-120	7 *	5
MS	QC620071	120.0	50.00	162.0	84	62-127		
MSD	QC620072		50.00	164.0	88	62-127	1	5

*= Value outside of QC limits; see narrative

RPD= Relative Percent Difference



Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878

2323 Fifth Street, Berkeley, CA 94710, Phone (510) 486-0900

**Laboratory Job Number 233064
ANALYTICAL REPORT**

SOMA Environmental Engineering Inc.
6620 Owens Dr.
Pleasanton, CA 94588

Project : 2553
Location : 15101 Freedom Ave. San Leandro
Level : II

Sample ID
EFFLUENT

Lab ID
233064-001

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature. The results contained in this report meet all requirements of NELAC and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

Signature: _____

Project Manager

Date: 12/07/2011

NELAP # 01107CA

CASE NARRATIVE

Laboratory number: 233064
Client: SOMA Environmental Engineering Inc.
Project: 2553
Location: 15101 Freedom Ave. San Leandro
Request Date: 12/01/11
Samples Received: 12/01/11

This data package contains sample and QC results for one water sample, requested for the above referenced project on 12/01/11. The sample was received cold and intact.

TPH-Purgeables and/or BTXE by GC (EPA 8015B and EPA 8021B):

No analytical problems were encountered.

TPH-Extractables by GC (EPA 8015B):

No analytical problems were encountered.

Total Suspended Solids (TSS) (SM2540D):

High RPD was observed for total suspended solids in the BS/BSD for batch 181820; this analyte was not detected at or above the RL in the associated sample. High RPD was observed for total suspended solids in the MS/MSD for batch 181820; the parent sample was not a project sample, and this analyte was not detected at or above the RL in the associated sample. No other analytical problems were encountered.

Chemical Oxygen Demand (SM5220D):

No analytical problems were encountered.

CHAIN OF CUSTODY

Analyses

Curtis & Tompkins, Ltd

Analytical Laboratory Since 1878
 2323 Fifth Street
 Berkeley, CA 94710
 (510)486-0900 Phone
 (510)486-0532 Fax

LOGIN # 233064

Sampler: MASOUD - Sepeher

Project No: 2553

Report To: Joyce Bobek

Project Name: 15101 Freedom Ave, San Leandro 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				TPH-g, TPH-d, TPH-mo 8015	BTEX 8020	COD	TSS																											
			Soil	Water	Waste			HCL	H ₂ SO ₄	HNO ₃	ICE																															
	Effluent	12/1/11 - 12		*			6 VOAs	*			*																															
				*			1-1 L Amber				*																															
				*			250 mL Poly		*		*				*																											
				*			500 mL Poly				*				*																											

Notes: **EDF OUTPUT REQUIRED**

RELINQUISHED BY:

RECEIVED BY:

DATE/TIME

DATE/TIME

(Signature)

12/1/11 - 13:35

DATE/TIME

(Signature)

12/1/11 13:35

DATE/TIME

DATE/TIME

COOLER RECEIPT CHECKLIST



Curtis & Tompkins, Ltd.

Login # 233064 Date Received 12/1/11 Number of coolers 1
Client JUMA Environmental Project 2553

Date Opened 12/1/11 By (print) I. UHOY (sign) [Signature]
Date Logged in [initials] By (print) [initials] (sign) [initials]

1. Did cooler come with a shipping slip (airbill, etc) YES (NO)
Shipping info

2A. Were custody seals present? ... [] YES (circle) on cooler on samples [X] NO
How many Name Date

2B. Were custody seals intact upon arrival? YES NO (N/A)

3. Were custody papers dry and intact when received? YES NO

4. Were custody papers filled out properly (ink, signed, etc)? YES NO

5. Is the project identifiable from custody papers? (If so fill out top of form) YES NO

6. Indicate the packing in cooler: (if other, describe)
[X] Bubble Wrap [X] Foam blocks [X] Bags [] None
[] Cloth material [] Cardboard [] Styrofoam [] Paper towels

7. Temperature documentation: * Notify PM if temperature exceeds 6°C
Type of ice used: [] Wet [X] Blue/Gel [] None Temp(°C) 18.9°C

[X] Samples Received on ice & cold without a temperature blank; temp taken w/ IR gun

[X] Samples received on ice directly from the field. Cooling process had begun

8. Were Method 5035 sampling containers present? YES (NO)
If YES, what time were they transferred to freezer?

9. Did all bottles arrive unbroken/unopened? YES NO

10. Are there any missing / extra samples? YES NO

11. Are samples in the appropriate containers for indicated tests? YES NO

12. Are sample labels present, in good condition and complete? YES NO

13. Do the sample labels agree with custody papers? YES NO

14. Was sufficient amount of sample sent for tests requested? YES NO

15. Are the samples appropriately preserved? YES NO N/A

16. Did you check preservatives for all bottles for each sample? YES NO N/A

17. Did you document your preservative check? YES NO N/A

18. Did you change the hold time in LIMS for unpreserved VOAs? YES NO (N/A)

19. Did you change the hold time in LIMS for preserved terracores? YES NO (N/A)


20. Are bubbles > 6mm absent in VOA samples? YES NO (N/A)

21. Was the client contacted concerning this sample delivery? YES (NO)
If YES, Who was called? By Date:

COMMENTS
20) -001 2 of 6 VOAs rec'd w/ bubbles

Curtis & Tompkins Sample Preservation for 233064

<u>Sample</u>	<u>pH: <2</u>	<u>>12</u>	<u>Other</u>
-001a	[]	[]	_____
b	[]	[]	_____
c	[]	[]	_____
d	[]	[]	_____
e	[]	[]	_____
f	[]	[]	_____
g	[X]	[]	_____
h	[]	[]	_____
i	[]	[]	_____

Analyst: 
Date: 12/1/11

Curtis & Tompkins Laboratories Analytical Report

Lab #: 233064	Location: 15101 Freedom Ave. San Leandro
Client: SOMA Environmental Engineering Inc.	Prep: EPA 5030B
Project#: 2553	
Field ID: EFFLUENT	Batch#: 181829
Matrix: Water	Sampled: 12/01/11
Units: ug/L	Received: 12/01/11
Diln Fac: 1.000	Analyzed: 12/02/11

Type: SAMPLE Lab ID: 233064-001

Analyte	Result	RL	Analysis
Gasoline C7-C12	ND	50	EPA 8015B
Benzene	ND	0.50	EPA 8021B
Toluene	ND	0.50	EPA 8021B
Ethylbenzene	ND	0.50	EPA 8021B
m,p-Xylenes	ND	0.50	EPA 8021B
o-Xylene	ND	0.50	EPA 8021B

Surrogate	%REC	Limits	Analysis
Bromofluorobenzene (FID)	93	78-123	EPA 8015B
Bromofluorobenzene (PID)	109	80-120	EPA 8021B

Type: BLANK Lab ID: QC620961

Analyte	Result	RL	Analysis
Gasoline C7-C12	ND	50	EPA 8015B
Benzene	ND	0.50	EPA 8021B
Toluene	ND	0.50	EPA 8021B
Ethylbenzene	ND	0.50	EPA 8021B
m,p-Xylenes	ND	0.50	EPA 8021B
o-Xylene	ND	0.50	EPA 8021B

Surrogate	%REC	Limits	Analysis
Bromofluorobenzene (FID)	90	78-123	EPA 8015B
Bromofluorobenzene (PID)	106	80-120	EPA 8021B

ND= Not Detected
 RL= Reporting Limit

Batch QC Report

Curtis & Tompkins Laboratories Analytical Report

Lab #:	233064	Location:	15101 Freedom Ave. San Leandro
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2553		
Matrix:	Water	Batch#:	181829
Units:	ug/L	Analyzed:	12/02/11
Diln Fac:	1.000		

Type: BS Lab ID: QC620958

Analyte	Spiked	Result	%REC	Limits	Analysis
Benzene	10.00	8.815	88	80-120	EPA 8021B
Toluene	10.00	9.136	91	80-120	EPA 8021B
Ethylbenzene	10.00	9.244	92	80-120	EPA 8021B
m,p-Xylenes	10.00	9.508	95	80-120	EPA 8021B
o-Xylene	10.00	9.675	97	80-120	EPA 8021B

Surrogate	%REC	Limits	Analysis
Bromofluorobenzene (FID)	90	78-123	EPA 8015B
Bromofluorobenzene (PID)	105	80-120	EPA 8021B

Type: BSD Lab ID: QC620959

Analyte	Spiked	Result	%REC	Limits	RPD	Lim	Analysis
Benzene	10.00	9.088	91	80-120	3	20	EPA 8021B
Toluene	10.00	9.331	93	80-120	2	20	EPA 8021B
Ethylbenzene	10.00	9.308	93	80-120	1	20	EPA 8021B
m,p-Xylenes	10.00	9.880	99	80-120	4	20	EPA 8021B
o-Xylene	10.00	9.994	100	80-120	3	20	EPA 8021B

Surrogate	%REC	Limits	Analysis
Bromofluorobenzene (FID)	92	78-123	EPA 8015B
Bromofluorobenzene (PID)	109	80-120	EPA 8021B

RPD= Relative Percent Difference

Batch QC Report

Curtis & Tompkins Laboratories Analytical Report

Lab #:	233064	Location:	15101 Freedom Ave. San Leandro	
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B	
Project#:	2553			
Type:	LCS	Diln Fac:	1.000	
Lab ID:	QC620960	Batch#:	181829	
Matrix:	Water	Analyzed:	12/02/11	
Units:	ug/L			

Analyte	Spiked	Result	%REC	Limits	Analysis
Gasoline C7-C12	1,000	965.5	97	80-120	EPA 8015B

Surrogate	%REC	Limits	Analysis
Bromofluorobenzene (FID)	97	78-123	EPA 8015B
Bromofluorobenzene (PID)	111	80-120	EPA 8021B

Batch QC Report

Curtis & Tompkins Laboratories Analytical Report

Lab #:	233064	Location:	15101 Freedom Ave. San Leandro
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2553		
Field ID:	EFFLUENT	Batch#:	181829
MSS Lab ID:	233064-001	Sampled:	12/01/11
Matrix:	Water	Received:	12/01/11
Units:	ug/L	Analyzed:	12/02/11
Diln Fac:	1.000		

Type: MS Lab ID: QC620962

Analyte	MSS Result	Spiked	Result	%REC	Limits	Analysis
Gasoline C7-C12	22.38	2,000	1,830	90	66-120	EPA 8015B

Surrogate	%REC	Limits	Analysis
Bromofluorobenzene (FID)	99	78-123	EPA 8015B
Bromofluorobenzene (PID)	118	80-120	EPA 8021B

Type: MSD Lab ID: QC620963

Analyte	Spiked	Result	%REC	Limits	RPD	Lim	Analysis
Gasoline C7-C12	2,000	1,921	95	66-120	5	25	EPA 8015B

Surrogate	%REC	Limits	Analysis
Bromofluorobenzene (FID)	102	78-123	EPA 8015B
Bromofluorobenzene (PID)	118	80-120	EPA 8021B

RPD= Relative Percent Difference

Total Extractable Hydrocarbons			
Lab #:	233064	Location:	15101 Freedom Ave. San Leandro
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 3520C
Project#:	2553	Analysis:	EPA 8015B
Field ID:	EFFLUENT	Sampled:	12/01/11
Matrix:	Water	Received:	12/01/11
Units:	ug/L	Prepared:	12/02/11
Diln Fac:	1.000	Analyzed:	12/05/11
Batch#:	181864		

Type: SAMPLE Lab ID: 233064-001

Analyte	Result	RL
Diesel C10-C24	ND	50
Motor Oil C24-C36	ND	300

Surrogate	%REC	Limits
o-Terphenyl	114	68-120

Type: BLANK Lab ID: QC621111

Analyte	Result	RL
Diesel C10-C24	ND	50
Motor Oil C24-C36	ND	300

Surrogate	%REC	Limits
o-Terphenyl	102	68-120

ND= Not Detected
 RL= Reporting Limit

Batch QC Report

Total Extractable Hydrocarbons			
Lab #:	233064	Location:	15101 Freedom Ave. San Leandro
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 3520C
Project#:	2553	Analysis:	EPA 8015B
Matrix:	Water	Batch#:	181864
Units:	ug/L	Prepared:	12/02/11
Diln Fac:	1.000	Analyzed:	12/05/11

Type: BS Cleanup Method: EPA 3630C
 Lab ID: QC621112

Analyte	Spiked	Result	%REC	Limits
Diesel C10-C24	2,500	2,144	86	61-120

Surrogate	%REC	Limits
o-Terphenyl	120	68-120

Type: BSD Cleanup Method: EPA 3630C
 Lab ID: QC621113

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Diesel C10-C24	2,500	2,009	80	61-120	7	20

Surrogate	%REC	Limits
o-Terphenyl	112	68-120

RPD= Relative Percent Difference

Chemical Oxygen Demand			
Lab #:	233064	Location:	15101 Freedom Ave. San Leandro
Client:	SOMA Environmental Engineering Inc.	Prep:	METHOD
Project#:	2553	Analysis:	SM5220D
Analyte:	Chemical Oxygen Demand	Batch#:	181987
Field ID:	EFFLUENT	Sampled:	12/01/11 12:00
Matrix:	Water	Received:	12/01/11
Units:	mg/L	Prepared:	12/07/11 12:52
Diln Fac:	1.000	Analyzed:	12/07/11 14:52

Type	Lab ID	Result	RL
SAMPLE	233064-001	ND	10
BLANK	QC621615	ND	10

ND= Not Detected
 RL= Reporting Limit

Batch QC Report

Chemical Oxygen Demand			
Lab #:	233064	Location:	15101 Freedom Ave. San Leandro
Client:	SOMA Environmental Engineering Inc.	Prep:	METHOD
Project#:	2553	Analysis:	SM5220D
Analyte:	Chemical Oxygen Demand	Batch#:	181987
Field ID:	EFFLUENT	Sampled:	12/01/11 12:00
MSS Lab ID:	233064-001	Received:	12/01/11
Matrix:	Water	Prepared:	12/07/11 12:52
Units:	mg/L	Analyzed:	12/07/11 14:52

Type	Lab ID	MSS Result	Spiked	Result	%REC	Limits	RPD	Lim	Diln	Fac
LCS	QC621616		75.00	70.75	94	90-110				1.000
MS	QC621617	<10.00	300.0	297.8	99	61-127				2.000
MSD	QC621618		300.0	339.9	113	61-127	13	20		2.000

RPD= Relative Percent Difference

Total Suspended Solids (TSS)

Lab #:	233064	Location:	15101 Freedom Ave. San Leandro
Client:	SOMA Environmental Engineering Inc.	Prep:	METHOD
Project#:	2553	Analysis:	SM2540D
Analyte:	Total Suspended Solids	Batch#:	181820
Field ID:	EFFLUENT	Sampled:	12/01/11
Matrix:	Water	Received:	12/01/11
Units:	mg/L	Prepared:	12/01/11
Diln Fac:	1.000	Analyzed:	12/02/11

Type	Lab ID	Result	RL
SAMPLE	233064-001	ND	5
BLANK	QC620909	ND	5

ND= Not Detected
 RL= Reporting Limit

Batch QC Report

Total Suspended Solids (TSS)			
Lab #:	233064	Location:	15101 Freedom Ave. San Leandro
Client:	SOMA Environmental Engineering Inc.	Prep:	METHOD
Project#:	2553	Analysis:	SM2540D
Analyte:	Total Suspended Solids	Batch#:	181820
Field ID:	ZZZZZZZZZZ	Sampled:	11/30/11
MSS Lab ID:	233040-001	Received:	11/30/11
Matrix:	Water	Prepared:	12/01/11
Units:	mg/L	Analyzed:	12/02/11
Diln Fac:	1.000		

Type	Lab ID	MSS Result	Spiked	Result	%REC	Limits	RPD	Lim
BS	QC620910		50.00	51.00	102	80-120		
BSD	QC620911		50.00	55.00	110	80-120	8 *	5
MS	QC620912	30.00	50.00	85.00	110	62-127		
MSD	QC620913		50.00	90.00	120	62-127	6 *	5

*= Value outside of QC limits; see narrative

RPD= Relative Percent Difference