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

October 13, 2006

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By dehloptoxic at 8:50 am, Oct 16, 2006

Mr. Jerry Wickham
Alameda County
Department of Environmental Health Services
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

Subject: **StID#3337**
Site Address: 3609 International Blvd., Oakland, California

Dear Mr. Wickham:

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

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

Sincerely,

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

Enclosure

cc: Mr. Abolghassem Razi w/report enclosure
Tony's Express Auto Service

Mr. Vince Tong w/report enclosure
Traction International

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Third Quarter 2006
Groundwater Monitoring and
Remediation System Operation Report
Tony's Express Auto Service

3609 International Boulevard

Oakland, California

October 13, 2006

Project 2331

Prepared for

Tony's Express Auto Service

3609 International Boulevard

Oakland, California

Prepared by

SOMA Environmental Engineering, Inc.

6620 Owens Drive, Suite A

Pleasanton, California

Certification

This report has been prepared by SOMA Environmental Engineering, Inc. on behalf of Mr. Abolghassem Razi, the property owner of 3609 International Boulevard, Oakland, California, to comply with the Alameda County Environmental Health Services' requirements for the Third Quarter 2006 groundwater monitoring event.

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

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1.0 Introduction

This monitoring report has been prepared by SOMA Environmental Engineering, Inc. (SOMA) on behalf of Mr. Abolghassem Razi, the owner of Tony's Express Auto Service, which is located at 3609 International Boulevard, at the intersection of 36th Avenue in Oakland, California (the "Site"), as shown in Figure 1.

This report summarizes the results of the Third Quarter 2006 groundwater monitoring event conducted at the Site on September 7 and 8, 2006, and includes the laboratory analytical results on the groundwater samples.

A natural attenuation study was conducted during this monitoring event. The objective of the natural attenuation study was to evaluate whether the petroleum hydrocarbons found in the groundwater were biodegrading.

The groundwater monitoring activities were performed in accordance with the general guidelines of the Regional Water Quality Control Board (RWQCB) and the Alameda County Environmental Health Services (ACEHS). A description of SOMA's groundwater monitoring procedures is included in Appendix A. Figure 2 shows the locations of the wells and risers.

This report also describes the operation of the groundwater extraction system installed by SOMA in December 1999. The vapor extraction system was installed by SOMA in July 2000. The locations of the groundwater extraction system and the vapor extraction system are displayed in Figure 2.

1.1 Background

In July 1993, Soil Tech Engineering removed one single-walled 10,000-gallon gasoline tank and one single-walled 6,000-gallon gasoline tank along with a 550-gallon waste oil tank from the Site. Three double-walled underground storage tanks (USTs) replaced these tanks. Currently, there is one 10,000-gallon double-walled gasoline tank and two 6,000-gallon double-walled gasoline tanks beneath the Site. The locations of the USTs are shown in Figure 2.

In December 1997, Western Geo-Engineers (WEGE) conducted additional investigations and groundwater monitoring events. The results of the groundwater monitoring events indicated elevated levels of petroleum hydrocarbons and Methyl tertiary Butyl Ether (MtBE) in the groundwater.

In April 1999, Mr. Razi, the owner, retained SOMA to conduct groundwater monitoring, risk-based corrective action (RBCA), a corrective action plan (CAP), as well as soil and groundwater remediation at the Site. The results of the RBCA study indicated that the Site is a high-risk groundwater site; therefore, the soil and groundwater in the on and off-site areas warranted remedial action.

The source of the petroleum hydrocarbons in the groundwater was believed to have been the former USTs, which were used to store gasoline at the Site. The

results of the CAP study indicated that the installation of a French drain combined with a vapor extraction system would be the most cost effective alternative for the Site's remediation.

In late August 1999, SOMA installed a French drain and groundwater treatment system to prevent further migration of the chemically-impacted groundwater. In July 2000, SOMA installed a vapor extraction system.

In January 2002, Environmental Fabric removed the former product dispensers and installed new ones.

On July 25, 2003, SOMA installed an additional on-site extraction pump in the western French drain riser. The extraction pump was installed to create a capture zone in the region around the USTs and to contain off-site migration in the southwestern corner of the Site.

On April 1, 2005, SOMA conducted a pilot test to evaluate the use of ozone sparging to actively remediate the groundwater at the Site. The test revealed that the unsaturated zone was permeable enough to allow for the operation of an ozone sparging system. However, ozone injection, especially in the region of more impacted wells (MW-1 and MW-3), which are in the vicinity of the UST cavity, could have possibly lead to an explosive condition. Therefore, based on safety concerns, air-sparging technology was enacted for site remediation.

From November 17 to 23, 2005, SOMA oversaw the installation of the air sparge wells and vapor extraction wells by Woodward Drilling, of Rio Vista, California. From February 22, 2006 to March 6, 2006, SOMA oversaw the installation of the air sparge system by ACRC, Inc. (ACRC), a construction company in San Ramon, California.

2.0 Results

The following sections provide the results of the field measurements and laboratory analyses for the September 7 and 8, 2006 groundwater monitoring event.

2.1 Field Measurements

As shown in Table 1, the depths to groundwater for the monitoring wells ranged from 10.90 feet in well MW-10 to 14.52 feet in well MW-7. The corresponding groundwater elevations ranged from 25.40 feet in well MW-12 to 28.38 feet in well MW-5. The groundwater elevations for the center, east, and west risers were 24.30 feet, 26.54 feet, and 23.36 feet, respectively.

Figure 3 displays the groundwater elevation contour map. The groundwater flows towards the French drain at an approximate gradient of 0.10 feet/feet. The lowest site-wide groundwater elevation was measured in the western French drain riser.

The French drain is providing excellent hydraulic control in preventing the contaminants from migrating further off-site.

The field notes for the physical, chemical and biodegradation parameters measured during this monitoring event are included in Appendix B.

The more positive the redox potential of an electron acceptor, the more energetically favorable the reaction utilizing that electron acceptor is. The most energetically preferred electron acceptor for redox reactions is dissolved oxygen (DO). Evaluating the distribution of electron acceptors can provide evidence of where and to what extent hydrocarbon biodegradation is occurring.

Detectable DO concentrations ranged from 8.92 mg/L in well MW-1 to 9.90 mg/L in well MW-4R. The DO measurements were taken upon terminating the purge cycle. ORP showed negative redox potentials in wells MW-1, MW-3, MW-5, MW-6, MW-8, and MW-12. Oxidation of petroleum hydrocarbons could have occurred in these monitoring wells. Negative redox potentials indicate that contaminants in the groundwater are conducive to anaerobic biodegradation.

Ferrous iron concentrations can be used as an indicator of anaerobic biodegradation. Ferrous iron concentrations ranged from 0.37 mg/L in well MW-10 to the equipment's maximum allowable tolerance range of 3.30 mg/L in wells MW-1, MW-3, and MW-6.

Nitrate concentrations were below the equipment's minimum allowable level in wells MW-5 and MW-8. Detectable nitrate concentrations ranged from 0.5 mg/L in well MW-12 to the maximum allowable tolerance range of 35 mg/L in wells MW-2, MW-4R, and MW-7. High ferrous iron concentrations in combination with non-detectable nitrate levels are indicative of anaerobic biodegradation beneath the Site.

The absence of sulfate in the groundwater samples may be indicative of an anaerobic methanogenesis process. Sulfate was below the equipment's tolerance level in wells MW-1, MW-3, MW-8, and MW-12. Detectable sulfate concentrations ranged from 3 mg/L in well MW-6 to 48 mg/L in well MW-7.

2.2 Laboratory Analysis

Table 1 presents the results of the laboratory analyses on the groundwater samples collected during this monitoring event.

Total petroleum hydrocarbons as gasoline (TPH-g) was detected throughout the Site. Detectable TPH-g concentrations ranged from 97.70 ug/L in well MW-4R to 37,200 ug/L in well MW-1. Figure 4 displays the contour map of TPH-g concentrations in the groundwater. The majority of the TPH-g impacted groundwater were in wells that are in the vicinity of the UST cavity (MW-1 and MW-3), as well as east of the station building (MW-6).

The following BTEX concentration trends were observed during this monitoring event.

- In well MW-1, the highest BTEX analytes were observed at 3,280 ug/L, 1,460 ug/L, 1,290 ug/L, and 2,685 ug/L, respectively.
- In wells MW-2, MW-4R, MW-7, and MW-10, toluene was below the laboratory reporting limit.
- In well MW-5, all BTEX analytes, with the exception of ethylbenzene, were below the laboratory reporting limit. Ethylbenzene was detected at 2.02 ug/L.
- In well MW-12, both toluene and total xylenes were below the laboratory reporting limit, and both benzene and ethylbenzene were detected at low levels.

Figure 5 displays the contour map of benzene concentrations in the groundwater. The highest benzene concentration was detected in the vicinity of the USTs, in well MW-1.

Methyl tertiary Butyl Ether (MtBE) was below the laboratory reporting limit in wells MW-2, MW-4R, and MW-5 to MW-7. Detectable MtBE concentrations ranged from 23.7 ug/L in well MW-12 to 2,180 ug/L in well MW-1. Figure 6 displays the contour map of MtBE concentrations in the groundwater. MtBE, with the exception of well MW-1, has only minimally impacted the Site's groundwater.

The laboratory report and chain-of-custody form for this monitoring event are included in Appendix C.

3.0 Groundwater Treatment System Operation

The treatment system began operating on December 9, 1999. Since the start-up, 3,441,500 gallons of groundwater has been treated and discharged, under the existing discharge permit (as of September 27, 2006), into the East Bay Municipal Utility District's (EBMUD's) sewer system.

As of January 9, 2004, the previously installed pneumatic downhole pumps in the western and center French drain risers were removed and replaced with electrical downhole pumps. On May 4, 2005, to maintain accurate recordings of the total flow through the system, a newer totalizer meter was installed. On September 29, 2005, the existing 2,000-pound carbon vessel was replaced with a newer 2,000-pound carbon vessel. The newer vessel was refurbished with new carbon; the 55-gallon carbon drum was also replaced. The former 2,000-pound vessel had become rusted due to prolonged usage. A schematic diagram of the remediation system is displayed in Figure 7.

On June 15, 2006, a carbon change-out was conducted on the remedial system. During this change-out the 2,000-pound vessel was refurbished with new carbon and the 200-pound carbon drum was replaced.

Table 2 presents the total volume of treated groundwater and the groundwater analytical results. Table 2 shows that all of the effluent samples have remained below the discharge limits set forth by EBMUD. The most current laboratory reports for the groundwater treatment system are included in Appendix D.

As of September 27, 2006, the treatment system has removed approximately 212 pounds of hydrocarbons and 86.3 pounds of MtBE. Figure 8 shows the approximate masses of TPH-g and MtBE removed from the impacted groundwater during the operation of the treatment system.

4.0 Operation of Air Sparging System

From February 22, 2006 to March 6, 2006, SOMA oversaw the installation of the air sparge system. The system consists of nine-vapor extraction wells and three air sparge wells. The air sparge wells were installed in the vicinity of the UST cavity, pump islands, and near well MW-6. Figure 2 shows the locations of the air sparge wells. Figures 9 and 10 show the block diagrams of the air sparging and vapor extraction units. The operating permit for the SVE system was extended by BAAQMD until August 2007.

Prior to the installation of the air sparge system, in November 2005, SOMA collected air samples from the previously existing SVE wells. Based on the sample results, which were non-detectable, the lines from SVE wells P-4 and ISL-1 to the vacuum pump were closed. This allowed for a greater vacuum at the more impacted SVE wells.

The air sparge system was initially started on March 15, 2006. However, due to the close proximity of the system to a residential area, the system was modified to reduce the noise level. As such, a timer was installed on the compressor to control operation hours of the air sparge system and limit the operation time to daytime hours. Currently, the system is operating from 8 AM to 7 PM. In addition, to further suppress the noise level, the existing blower unit, which was installed in 2000, was rebuilt and foam was placed around it to act as a noise suppressant.

To more effectively increase the removal of contaminants in the soil, an additional vacuum blower was installed in series to the existing vacuum blower. The additional equipment was installed on July 24, 2006. The laboratory results from the August 2006 and September 2006 sampling of the SVE system are shown in Appendix E.

5.0 Conclusions and Recommendations

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

1. The groundwater remediation system is providing excellent hydraulic control and preventing further migration of the contaminants to the off-site areas.

2. The bio-attenuation study confirmed the occurrence of biodegradation beneath the Site. Based on this study, the affected areas appear to be in the vicinity of the USTs, around wells MW-1 and MW-3, as well as the eastern section of the Site, around well MW-6. The source area still remains in the vicinity of wells MW-1, MW-3, and MW-6.

3. Since the previous monitoring event, TPH-g decreased in well MW-1. In well MW-3, both TPH-g and benzene increased. In well MW-6, benzene decreased and MtBE remained non-detectable. The TPH-g concentrations in wells MW-1, MW-3, and MW-6 are all well below the historical peak values.

4. In general, the GAC and SVE systems have effectively reduced the contaminants beneath the Site. Since initial start-up, approximately 212 pounds of hydrocarbons and 86.3 pounds of MtBE (as of September 27, 2006) have been removed from the groundwater. Approximately 886.14 pounds of petroleum hydrocarbons have been removed from the vadose zone.

5. To further reduce the groundwater and soil concentrations, an air sparge system and additional SVE wells have been installed at the Site. Based on the sampling of the SVE wells in August 2006, TPH-g was detected as high as 6,300 mg/m^3 air at well SVE-1. This corresponds to the high groundwater contaminant level in the vicinity of the UST cavity, in MW-1.

Based on the results of this monitoring event, SOMA recommends:

- Continual operation of the pump-and-treat system to maintain the removal rate of the contaminant masses in the groundwater;

- Continual monitoring of the biodegradation parameters to determine whether the injection of concentrated solutions of terminal electron receptors into the groundwater, in the vicinity of the more contaminated wells, may enhance the biodegradation process;

- Continued quarterly monitoring programs to better understand the seasonal variations in the groundwater quality conditions; and

- Continued operation of the air sparge system in order to determine the effectiveness of the air sparge unit in reducing the contaminant mass in the unsaturated zone. At a minimum, quarterly samples will be collected from wells SVE-1 to SVE-3 and throughout the vapor extraction system.

6.0 Report Limitations

This report is the summary of work done by SOMA including observations and descriptions of the Site's conditions. It includes the analytical results produced by Pacific Analytical Laboratory, for the current monitoring event, as well as, Curtis & Tompkins, Ltd and summaries of data produced by previous environmental consultants for the previous monitoring events. The number and location of the wells were selected to provide the required information, but may not be completely representative of the entire site's conditions. All conclusions and recommendations are based on the results of the laboratory analysis. Conclusions beyond those specifically stated in this document should not be inferred from this report.

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

TABLES

Table 1
Historical Groundwater Elevation Data & Analytical Results
3609 International Boulevard, Oakland, California

Monitoring Well	Date	Top Of Casing Elevation [1] (feet)	Depth to Groundwater (feet)	Groundwater Elevation (feet)	TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-Benzene (µg/L)	Total Xylenes (µg/L)	MtBE [2] EPA 8260B (µg/L)
MW-1	10/5/1994	97.99	15.39	82.60	320,000	24,000	21,000	2,600	15,000	NA
	12/5/1994	97.99	9.32	88.67	80,000	3,800	6,600	2,300	11,000	NA
	3/2/1995	97.99	8.07	89.92	32,000	190	160	150	490	NA
	6/6/1995	97.99	9.53	88.46	21,000	950	650	570	150	NA
	10/5/1995	97.99	13.29	84.70	59,000	140	130	140	390	NA
	1/2/1996	97.99	10.07	87.92	30,000	71	73	50	120	NA
	4/1/1996	97.99	8.29	89.70	31,000	98	120	63	170	NA
	12/3/1996	97.99	11.67	86.32	NA	NA	NA	NA	NA	NA
	4/9/1997	97.99	11.14	86.85	NA	NA	NA	NA	NA	NA
	12/10/1997	97.99	9.30	88.69	27,000	2,300	2,100	1,400	5,100	NA
	9/10/1998	97.99	13.58	84.41	NA	NA	NA	NA	NA	NA
	12/16/1998	97.99	11.10	86.89	65,000	2,500	2,400	2,300	9,500	160
	3/16/1999	97.99	9.91	88.08	17,000	480	860	850	3,000	190
	6/10/1999	97.99	11.10	86.89	25,000	1,110	1,460	1,330	5,265	77
	8/23/1999	97.99	13.35	84.64	19,750	678	463	893	2,938	38
	11/9/1999	97.99	14.45	83.54	10,000	693	15	<5	3,471	50
	2/7/2000	97.99	11.20	86.79	40,000	2,280	1,380	8	6,130	47
	5/31/2000	97.99	11.49	86.50	15,610	610	350	310	1,400	<5
	8/9/2000	97.99	13.36	84.63	11,000	638	<5	<5	<5	17.1
	11/2/2000	97.99	13.20	84.79	7,050	435	52	ND	689	10
	3/13/2001	97.99	8.96	89.03	14,570	1,005	440	108	2,030	16
	5/22/2001	97.99	11.50	86.49	4,900	310	81	82	388	150
	8/8/2001	97.99	13.51	84.48	14,820	852	342	568	1,606	2,000
	11/19/2001	97.99	14.01	83.98	41,000	2,700	5,100	1,000	4,570	74,000

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MW-1 cont.	2/21/2002	97.99	10.11	87.88	260,000	3,700	12,000	3,700	19,200	23,000
	5/7/2002	97.99	10.86	87.13	53,000	4,400	5,100	1300	7,000	32,000
	7/30/2002	40.11	12.80	27.31	29,000	2,400	2,500	920	4,400	13,000
	10/2/2002	40.11	15.50	24.61	27,000	2,200	2,400	950	4,500	34,000
	1/3/2003	40.11	9.73	30.38	62,000	3,500	6,000	1600	9,700	48,000
	5/3/2003	40.11	9.71	30.40	59,000	3,100	2,700	1500	7,000	14,000
	7/24/2003	40.11	12.44	27.67	36,000	4,800	1,800	1300	5,600	25,000
	10/22/2003	40.11	13.89	26.22	630,000 H	3,300	1900 C	3600	27,700	15,000
	1/22/2004	40.11	10.45	29.66	39,000	3,100	1,600	950	4,300	8,500
	4/1/2004	40.11	11.49	28.62	41,000	1,200	350C	830	2,740	4,300
	8/20/2004	40.11	13.81	26.30	22,000	2,000	220	560	3,090	6,900
	12/8/2004	40.11	11.10	29.01	22,790	1,634	319	895	2,851	5,504
	3/16/2005	40.11	8.40	31.71	44,400	3,150	811	1,090	2,856	7,180
	5/16/2005	40.11	9.72	30.39	33,900	3,440	1,700	1,090	2,276	3,210
	7/14/2005	40.11	11.31	28.80	50,100	4,350	1,760	1,500	2,853	3,980
	10/13/2005	40.11	13.51	26.60	43,100	1,960	325	639	3,080	3,000
	1/3/2006	40.11	8.82	31.29	55,000	1,100	510	1,100	4,070	2,200
	4/7/2006	40.11	7.12	32.99	42,500	1,780	1,010	1,610	2,449	2,110
	9/8/2006	**40.11**	**12.64**	**27.47**	**37,200**	**3,280**	**1,460**	**1,290**	**2,685**	**2,180**
MW-2	10/1/1994	98.58	15.36	83.22	NA	NA	NA	NA	NA	NA
	12/1/1994	98.58	8.60	89.98	NA	NA	NA	NA	NA	NA
	3/6/1995	98.58	7.68	90.90	490	3	3	3	1	NA
	6/5/1995	98.58	9.59	88.99	8,000	220	330	350	660	NA
	10/2/1995	98.58	13.42	85.16	46,000	160	130	93	240	NA
	1/3/1996	98.58	9.93	88.65	46,000	160	130	93	240	NA
	4/3/1996	98.58	8.13	90.45	27,000	0.1	92	44	13	NA
	12/9/1996	98.58	11.67	86.91	6,200	11	7	2	14	ND
	4/10/1997	98.58	11.40	87.18	53,000	150	110	37	0.12	ND
	12/30/1997	98.58	9.04	89.54	35,000	4,900	4,900	1,600	7,000	NA
	6/30/1998	98.58	NM	NM	25,000	2,000	2,000	1,300	4,300	NA
	9/29/1998	98.58	13.58	85.00	29,000	290	180	160	360	<0.5
	12/16/1998	98.58	10.94	87.64	26,000	1,400	1,600	880	9,500	<5

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MW-2 cont.	3/16/1999	98.58	7.60	90.98	7,600	730	830	610	1,900	55
	6/10/1999	98.58	11.24	87.34	3,500	290	428	211	744	ND
	8/23/1999	98.58	13.50	85.08	60	6	9	4	11	ND
	11/9/1999	98.58	14.10	84.48	<50	<5	<5	<5	<5	<5
	2/7/2000	98.58	9.85	88.73	6,400	372	639	46	134	8
	5/31/2000	98.58	10.88	87.70	2,930	130	330	130	570	<5
	8/9/2000	98.58	13.03	85.55	<50	<5	<5	<5	<5	<5
	11/2/2000	98.58	12.60	85.98	ND	ND	ND	ND	ND	ND
	3/13/2001	98.58	8.55	90.03	932	18	34	1.3	225	ND
	5/22/2001	98.58	11.00	87.58	870	37	75	55	179	2.7
	8/8/2001	98.58	13.53	85.05	125	4	4	3	11	ND
	11/19/2001	98.58	13.43	85.15	470	13	64	22	83	14
	2/21/2002	98.58	8.99	89.59	1,700	26	180	95	360	<2
	5/7/2002	98.58	10.59	87.99	1,800	31	140	110	348	<2
	7/30/2002	40.71	12.70	28.01	180	11	6.3	9.4	27	<2.0
	10/2/2002	40.71	14.23	26.48	<50	<0.5	<0.5	<0.5	0.64	<2.0
	1/3/2003	40.71	8.66	32.05	510	5	30.0	24.0	92	<2.0
	5/3/2003	40.71	9.17	31.54	1,300	14	88.0	78.0	271	<2.0
	7/24/2003	40.71	12.23	28.48	220	3.9	4.3	7	14.5	<2.0
	10/22/2003	40.71	13.65	27.06	170 H	1.9	<0.5	2.2	2.2	<2.0
	1/22/2004	40.71	9.54	31.17	860	7.2	37	50	151	<2.0
	4/1/2004	40.71	10.80	29.91	730	6.6	19	38	87	<2.0
	8/20/2004	40.71	13.54	27.17	220	2.2	1.9	7	11.7	<0.5
	12/8/2004	40.71	10.52	30.19	99	1.7	3.3	8.3	25.1	<0.5
	3/15/2005	40.71	8.06	32.65	5,690	18.7	120	315	876	<1.0
	5/17/2005	40.71	9.10	31.61	6,320	12.5	75	429	557	<2.15
	7/14/2005	40.71	11.10	29.61	7,680	14.1	46.3	522	471	<2.15
	10/13/2005	40.71	13.25	27.46	562	4.25	3.28	15	8.29	<0.50
	1/3/2006	40.71	6.72	33.99	340	2.5	4.4	22	50.2	<0.5
	4/7/2006	40.71	5.75	34.96	6,160	24	84.8	385	474	<2.15
	9/7/2006	**40.71**	**12.58**	**28.13**	**114**	**2.45**	**<2.0**	**8.62**	**6.85**	**<0.5**

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Monitoring Well	Date	Top Of Casing Elevation [1] (feet)	Depth to Groundwater (feet)	Groundwater Elevation (feet)	TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-Benzene (µg/L)	Total Xylenes (µg/L)	MtBE [2] EPA 8260B (µg/L)
MW-3	10/5/1994	97.78	15.79	81.99	3,000,000	190,000	740,000	310,000	130,000	NA
	12/2/1994	97.78	9.79	87.99	250,000	19,000	22,000	4,400	28,000	NA
	3/6/1995	97.78	8.69	89.09	350,000	20,000	42,000	5,800	36,000	NA
	6/5/1995	97.78	10.25	87.53	350,000	20,000	42,000	5,800	36,000	NA
	10/2/1995	97.78	12.91	84.87	150,000	510	410	210	65	NA
	1/3/1996	97.78	10.55	87.23	150,000	510	410	210	650	NA
	4/3/1996	97.78	8.76	89.02	NA	NA	NA	NA	NA	NA
	12/3/1996	97.78	12.02	85.76	NA	NA	NA	NA	NA	NA
	4/1/1997	97.78	11.73	86.05	NA	NA	NA	NA	NA	NA
	12/1/1997	97.78	NM	NM	NA	NA	NA	NA	NA	NA
	9/1/1998	97.78	14.68	83.10	NA	NA	NA	NA	NA	NA
	12/16/1998	97.78	11.55	86.23	51,000	5,700	3,900	1,200	6,300	410
	3/16/1999	97.78	8.44	89.34	45,000	4,100	6,400	1,000	6,100	470
	6/10/1999	97.78	11.8	85.98	46,000	8,245	6,425	1,015	7,173	274
	8/23/1999	97.78	13.85	83.93	64,000	7,484	8,052	1,744	9,749	141
	11/9/1999	97.78	14.7	83.08	26,000	3,218	1,319	<5	6,697	126
	2/7/2000	97.78	10.95	86.83	44,000	6,090	3,360	<5	5,780	276
	5/31/2000	97.78	11.68	86.10	68,000	15,000	8,900	1,500	7,400	<5
	8/9/2000	97.78	13.73	84.05	76,000	8,900	5,636	883	7,356	176
	11/2/2000	97.78	13.4	84.38	48,000	6,789	4,816	676	7,258	83
	3/13/2001	97.78	9.43	88.35	14,754	2,250	140	ND	1,284	110
	5/22/2001	97.78	11.81	85.97	44,000	5,400	3,100	1,400	6,400	200
	8/8/2001	97.78	14.1	83.68	41,750	3,485	2,670	1,255	5,420	52
	11/19/2001	97.78	14.32	83.46	NA	NA	NA	NA	NA	NA
	2/21/2002	97.78	10.01	87.77	62,000	6,000	7,600	1,900	9,200	12,000
	5/7/2002	97.78	11.28	86.50	54,000	6,700	3,200	1,800	7,100	9,100
	7/30/2002	40.91	13.25	27.66	45,000	8,900	1,700	1,600	5,600	2,600
	10/2/2002	40.91	14.98	25.93	70,000	4,900	5,100	2,100	11,900	21,000
	1/3/2003	40.91	9.79	31.12	35,000	2,900	1,300	860	5,200	13,000
	5/3/2003	40.91	10.01	30.90	48,000	5,800	1,400	1,600	7,400	5,900
	7/24/2003	40.91	12.94	27.97	31,000	4,700	990	1,400	5,200	16,000
	10/22/2003	40.91	14.29	26.62	30,000	4,400	930	1,600	5,400	7,400

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MW-3 cont.	1/22/2004	40.91	10.57	30.34	45,000	2,100	850	1,500	5,700	2,900
	4/1/2004	40.91	11.84	29.07	31,000	4,200	590	1,600	4,370	900
	8/20/2004	40.91	14.24	26.67	21,000	3,400	370	1,000	2,350	1,100
	12/8/2004	40.91	11.32	29.59	6,441	978	109	490	941	201
	3/16/2005	40.91	8.87	32.04	22,300	1,280	456	729	1,870	2,400
	5/17/2005	40.91	9.96	30.95	17,600	764	302	735	1,227	1,800
	7/14/2005	40.91	11.50	29.41	34,600	1,390	492	1,460	2,054	1,090
	10/13/2005	40.91	13.78	27.13	15,000	1,290	267	675	838	893
	1/3/2006	40.91	7.50	33.41	8,700	650	98	330	860	280
	4/7/2006	40.91	6.74	34.17	16,800	677	239	802	1,018	564
	9/8/2006	**40.91**	**12.95**	**27.96**	**26,400**	**1,660**	**381**	**933**	**1,545**	**332**
MW-4	1/3/1996	97.85	10.11	87.74	9,300	230	110	10	29	NA
	4/3/1996	97.85	8.35	89.50	1,900	12	8	5	14	NA
	12/9/1996	97.85	11.58	86.27	4,000	14	6	4	12	ND
	4/10/1997	97.85	11.23	86.62	ND	ND	ND	ND	ND	ND
	12/30/1997	97.85	9.43	88.42	2,300	410	270	100	1,500	NA
	6/30/1998	97.85	NM	NM	1,700	780	160	54	200	NA
	9/29/1998	97.85	13.64	84.21	6,200	910	77	68	200	18
	12/16/1998	97.85	11.13	86.72	1,400	590	33	28	94	24
	3/16/1999	97.85	8.46	89.39	600	200	35	19	56	11
	6/10/1999	97.85	11.30	86.55	1,000	298	44	19	64	13
	8/23/1999	97.85	13.20	84.65	660	497	41	54	145	6
	11/9/1999	97.85	14.10	83.75	<50	<5	<5	<5	<5	<5
	2/7/2000	97.85	11.25	86.60	7,800	1,200	61	<5	781	<5
	5/31/2000	97.85	11.46	86.39	552	42	19	16	67	<5
	8/9/2000	97.85	13.35	84.50	370	5.08	<5	<5	<5	<5
	11/2/2000	97.85	13.05	84.80	ND	5.30	ND	ND	8	ND
	3/13/2001	97.85	9.24	88.61	62	ND	ND	3.2	8.7	ND
	5/22/2001	97.85	11.50	86.35	80	12	1.9	4.1	9.8	ND
	8/8/2001	97.85	13.80	84.05	133	12	2.2	3.9	9	ND
	11/19/2001	97.85	13.68	84.17	670	180	5	17	53	ND

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MW-4 cont.	2/21/2002	97.85	9.97	87.88	450	63	4.1	22	28.7	<2
	5/7/2002	97.85	10.81	87.04	570	72	29	27	74	<2
	7/30/2002	40.01	12.62	27.39	450	20	24	19	74	<2.0
	10/2/2002	40.01	14.34	25.67	320	69	0.99	9	5.49	<2.0
	1/3/2003	40.01	9.79	30.22	310	49	2.5	13	26.7	<2.0
	7/24/2003	40.01	12.44	27.57	<50	1	<0.5	<0.5	<0.5	<0.5
	10/22/2003	40.01	13.72	26.29	70	12	<0.5	4.7	3.0	<2.0
	1/22/2004	40.01	10.55	29.46	230	18	2.1	8.1	17.1	<2.0
	4/1/2004	40.01	11.39	28.62	<50	3.8	<0.5	1.6	1.9	<2.0
	8/20/2004	40.01	13.68	26.33	<50	1.6	<0.5	0.66	0.53	<2.0
	12/7/2004	40.01	10.95	29.06	<50	1.3	<0.5	2.80	<1.0	<0.5
	3/15/2005	40.01	8.61	31.40	661	72	4.13	39.7	48.42	<0.5
MW-4R	5/17/2005	40.34	9.88	30.46	7,780	170	11.1	192	121.2	<0.5
	7/14/2005	40.34	11.61	28.73	847	25.3	<2.0	28.2	10.9	<0.5
	10/13/2005	40.34	13.73	26.61	785	35.5	<2.0	48.2	8.35	<0.50
	1/3/2006	40.34	9.18	31.16	2,500	65	3.8	70	62	<0.5
	4/6/2006	40.34	7.70	32.64	852	42.4	2.25	28.4	17.13	<0.5
	9/7/2006	**40.34**	**12.96**	**27.38**	**97.7**	**9.29**	**<2.0**	**4.05**	**1.03**	**<0.5**
MW-5	10/2/1995	99.04	13.57	85.47	1,500	1	1	4	5	NA
	1/3/1996	99.04	10.03	89.01	1,500	1	1	4	5	NA
	4/3/1996	99.04	8.24	90.80	780	1	1	5	4	NA
	12/9/1996	99.04	11.48	87.56	NA	NA	NA	NA	NA	NA
	4/10/1997	99.04	11.35	87.69	NA	NA	NA	NA	NA	NA
	12/30/1997	99.04	9.15	89.89	790	82	66	59	160	NA
	6/30/1998	99.04	NM	NM	400	<5	<5	15	<10	NA
	9/29/1998	99.04	13.82	85.22	270	2	1	3	3	<.5
	12/16/1998	99.04	11.20	87.84	1,400	1	1	ND	2	ND
	3/16/1999	99.04	7.73	91.31	650	3	1	16	2	10
	6/10/1999	99.04	11.50	87.54	270	4	3	6	4	ND
	8/23/1999	99.04	13.55	85.49	120	ND	4	ND	4	ND
	11/9/1999	99.04	14.30	84.74	<50	<5	<5	<5	<5	<5

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MW-5 cont.	2/7/2000	99.04	9.85	89.19	70	<5	<5	<5	7	<5
	5/31/2000	99.04	11.03	88.01	627.4	7.4	24	12	32.4	<5
	8/9/2000	99.04	13.22	85.82	<50	<5	<5	<5	<5	<5
	11/2/2000	99.04	13.55	85.49	ND	ND	ND	ND	ND	ND
	3/13/2001	99.04	8.67	90.37	382	6.1	1.9	6.6	5.9	ND
	5/22/2001	99.04	11.12	87.92	180	ND	ND	2.1	0.57	4.4
	8/8/2001	99.04	13.79	85.25	258	1	1.1	3.4	7.3	1.4
	11/19/2001	99.04	13.72	85.32	920	17	160	26	135	40
	2/21/2002	99.04	9.04	90.00	290	3.5	2	6.2	6.2	<0.5
	5/7/2002	99.04	10.69	88.35	160	<0.5	0.78 C	2	2.15	2.3
	7/30/2002	41.16	12.94	28.22	110	<0.5	<0.5	0.77	<0.5	<0.5
	10/20/2002	41.16	14.51	26.65	77	<0.5	<0.5	<0.5	<0.5	<2.0
	1/3/2003	41.16	8.73	32.43	450 Y	<0.5	<0.5	4	0.54	2.1
	5/3/2003	41.16	9.24	31.92	130	<0.5	<0.5	1	<0.5	3.1
	7/24/2003	41.16	12.45	28.71	300	<0.5	1.9 C	0.76	<0.5	<2.0
	10/22/2003	41.16	13.89	27.27	460 H	<0.5	<0.5	<0.5	<0.5	1.9
	1/22/2004	41.16	9.60	31.56	160	<0.5	<0.5	0.55 C	<0.5	<5.0
	4/1/2004	41.16	11.06	30.10	280	<0.5	0.74C	0.62	<0.5	2.1
	8/20/2004	41.16	13.75	27.41	250	<0.5	<0.5	<0.5	<0.5	2
	12/7/2004	41.16	10.73	30.43	150	<0.5	<0.5	<0.5	<1.0	2.6
	3/15/2005	41.16	8.18	32.98	496	<0.5	<0.5	<0.5	<1.0	1.91
	5/17/2005	41.16	9.22	31.94	360	<0.5	<0.5	<0.5	<1.0	1.72
	7/14/2005	41.16	11.30	29.86	267	<0.5	<2.0	<0.5	<1.0	1.74
	10/13/2005	41.16	13.57	27.59	404	<0.50	<2.0	<0.50	<1.0	0.93
	1/3/2006	41.16	6.81	34.35	170	2.2	<0.5	1.8	3.1	1.1
	4/7/2006	41.16	5.81	35.35	449	<0.5	<2.0	0.53	<1.0	1.16
	9/7/2006	**41.16**	**12.78**	**28.38**	**185**	**<0.5**	**<2.0**	**2.02**	**<1.0**	**<0.5**
MW-6	10/1/1995	98.77	13.94	84.83	NA	NA	NA	NA	NA	NA
	1/1/1996	98.77	10.55	88.22	120,000	350	310	200	610	NA
	4/1/1996	98.77	8.76	90.01	NA	NA	NA	NA	NA	NA
	12/1/1996	98.77	12.04	86.73	NA	NA	NA	NA	NA	NA
	4/1/1997	98.77	11.76	87.01	NA	NA	NA	NA	NA	NA
	12/1/1997	98.77	9.30	89.47	NA	NA	NA	NA	NA	NA

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MW-6 cont.	9/1/1998	98.77	14.10	84.67	NA	NA	NA	NA	NA	NA
	12/1/1998	98.77	11.60	87.17	NA	NA	NA	NA	NA	NA
	3/16/1999	98.77	8.40	90.37	37,000	3,900	4,300	1,600	7,000	180
	6/10/1999	98.77	11.90	86.87	18,500	2,060	1,650	735	3,170	ND
	8/23/1999	98.77	13.90	84.87	42,000	3,806	3,649	1,554	7,996	10
	11/9/1999	98.77	14.75	84.02	40,000	1,084	130	<5	10,940	<5
	2/7/2000	98.77	10.95	87.82	17,000	1,360	521	<5	4,150	6
	8/9/2000	98.77	13.78	84.99	24,000	1,306	870	<5	5,162	<5
	11/2/2000	98.77	13.40	85.37	19,000	1,387	618	ND	5,250	ND
	3/13/2001	98.77	9.49	89.28	15,637	713	459	238	2,363	ND
	5/22/2001	98.77	11.82	86.95	27,000	760	450	1,600	4,270	ND
	8/8/2001	98.77	NM	NM	NA	NA	NA	NA	NA	NA
	11/19/2001	98.77	NM	NM	NA	NA	NA	NA	NA	NA
	2/21/2002	98.77	9.92	88.85	14,000	440	180	750	1,020	<10
	5/7/2002	98.77	11.33	87.44	10,000	400	160	470	970	<2
	7/30/2002	40.92	13.28	27.64	24,000	1,000	410	1,400	3,770	<20
	10/20/2002	40.92	14.93	25.99	22,000	1,200	620	1,300	2,800	<20
	1/3/2003	40.92	9.78	31.14	12,000	730	230	740	1,690	<20
	5/3/2003	40.92	9.92	31.00	150,000 H	1,400	780	2,500	8,700	<40
	7/24/2003	40.92	12.98	27.94	29,000	1,600	520	1,500	4,400	<200
	10/22/2003	40.92	14.35	26.57	36,000	1,300	430	1,600	4,570	<40
	1/22/2004	40.92	10.60	30.32	30,000	1,300	320	1,500	3,040	<50
	4/1/2004	40.92	11.80	29.12	99,000	1,700	580 C	2,200	5,200	<50
	8/20/2004	40.92	14.36	26.56	12,000	580	130	520	1,020	<10
	12/8/2004	40.92	11.22	29.70	12,631	649	134	1,009	2,037	<2.15
	3/16/2005	40.92	8.94	31.98	18,300	546	126	705	1,069	<2.15
	5/17/2005	40.92	10.02	30.90	38,500	1,290	395	1,550	1,652	<5.50
	7/15/2005	40.92	11.78	29.14	50,100	1,510	409	1,900	1,920	<5.50
	10/13/2005	40.92	14.04	26.88	9,620	513	97.4	523	422.3	<2.15
	1/3/2006	40.92	7.86	33.06	13,000	260	79.0	680	750	<4.2
	4/7/2006	40.92	6.93	33.99	18,200	650	151	918	715	<5.5
	9/8/2006	**40.92**	**13.12**	**27.80**	**18,600**	**604**	**98.80**	**639**	**659**	**<2.15**

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MW-7	10/2/1995	97.83	12.95	84.88	NA	10	12	17	NA	3,300
	1/3/1996	97.83	9.57	88.26	3,300	9	12	17	45	NA
	4/3/1996	97.83	7.75	90.08	1,900	2	3	5	7	NA
	12/9/1996	97.83	10.97	86.86	NA	NA	NA	NA	NA	NA
	4/10/1997	97.83	12.95	84.88	NA	NA	NA	NA	NA	NA
	12/30/1997	97.83	8.65	89.18	1,400	130	98	75	200	NA
	6/30/1998	97.83	NM	NM	620	4	<5	9	<10	NA
	9/29/1998	97.83	13.09	84.74	1,800	1	1	1	2	68
	12/16/1998	97.83	10.52	87.31	990	5	10	5	20	160
	3/16/1999	97.83	7.00	90.83	300	3	1	1	1	62
	6/10/1999	97.83	10.70	87.13	320	3	7	4	3	26
	8/23/1999	97.83	12.80	85.03	570	5	10	ND	ND	ND
	11/9/1999	97.83	13.25	84.58	290	<5	9	<5	<5	12
	2/7/2000	97.83	9.50	88.33	80	<5	<5	<5	<5	23
	5/31/2000	97.83	10.52	87.31	494.9	4.9	22	4.2	21.9	29
	8/9/2000	97.83	12.63	85.20	80	<5	<5	<5	<5	11.7
	11/2/2000	97.83	11.95	85.88	50	ND	ND	ND	ND	9.1
	3/13/2001	97.83	8.04	89.79	82	0.97	ND	0.76	ND	78
	5/22/2001	97.83	10.60	87.23	370	ND	9.1	1.3	2.3	28
	8/8/2001	97.83	13.02	84.81	610	3.7	3	6.2	18.9	10
	11/19/2001	97.83	12.83	85.00	1,700	24	220	41	205	69
	2/21/2002	97.83	8.91	88.92	380	<0.5	2.5	2	3.8	78
	5/7/2002	97.83	10.13	87.70	560	15	28.0	9.2	44.0	37
	7/30/2002	39.94	12.15	27.79	270	5.3	1.3 C	2.3	8.1	46
	10/20/2002	39.94	13.74	26.20	350	<0.5	2.1 C	<0.5	3.1 C	43
	1/3/2003	39.94	8.45	31.49	220 Y	<0.5	<0.5	0.78	0.55	19
	5/3/2003	39.94	7.69	32.25	280	<0.5	<0.5	<0.5	<0.5	11
	7/24/2003	39.94	11.72	28.22	230	<0.5	1.3 C	<0.5	0.63	5.9
	10/22/2003	39.94	13.10	26.84	460	<0.5	<0.5	<0.5	<0.5	5.0
	1/22/2004	39.94	9.23	30.71	380	<0.5	1.4 C	<0.5	<0.5	<5.0
	4/1/2004	39.94	10.40	29.54	480	<0.5	2.5 C	<0.5	0.90	0.62
	8/20/2004	39.94	12.92	27.02	410	<0.5	.81 C	<0.5	<0.5	1.70
	12/7/2004	39.94	10.28	29.66	96	<0.5	<0.5	<0.5	<1.0	<0.5

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Monitoring Well	Date	Top Of Casing Elevation [1] (feet)	Depth to Groundwater (feet)	Groundwater Elevation (feet)	TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-Benzene (µg/L)	Total Xylenes (µg/L)	MtBE [2] EPA 8260B (µg/L)
MW-7 cont.	3/16/2005	39.94	7.44	32.50	209	<0.5	<0.5	<0.5	<1.0	1.74
	5/16/2005	39.94	8.53	31.41	262	4.85	2.19	2.36	4.24	0.73
	7/14/2005	39.94	10.61	29.33	753	20.6	11.9	16.8	33.23	2.36
	10/13/2005	39.94	12.80	27.14	1,690	5.3	2.71	12.6	54	1.93
	1/3/2006	39.94	6.39	33.55	250 Y	0.80	<0.5	0.61	<0.5	1.1
	4/7/2006	39.94	8.10	31.84	3,440	0.64	<2.0	17	<1.0	<0.5
	9/7/2006	**39.94**	**14.52**	**25.42**	**320**	**2.87**	**<2.0**	**4.76**	**1.34**	**<0.5**
MW-8	10/2/1995	97.25	12.86	84.39	NA	NA	NA	NA	NA	NA
	1/3/1996	97.25	9.79	87.46	94,000	310	250	180	480	NA
	4/3/1996	97.25	7.98	89.27	58,000	250	170	140	330	NA
	12/9/1996	97.25	11.13	86.12	27,000	88	43	44	80	ND
	4/10/1997	97.25	12.95	84.30	24,000	86	55	50	100	ND
	12/30/1997	97.25	8.95	88.30	28,000	6,000	1,600	2,100	4,700	NA
	6/30/1998	97.25	NM	NM	54,000	4,600	2,800	3,500	7,300	NA
	9/29/1998	97.25	13.02	84.23	NA	NA	NA	NA	NA	NA
	12/16/1998	97.25	10.75	86.50	61,000	6,300	1,700	2,200	4,400	1,300
	3/16/1999	97.25	7.58	89.67	22,000	1,800	470	2,000	2,000	820
	6/10/1999	97.25	10.80	86.45	39,500	3,610	1,635	2,175	5,913	988
	8/23/1999	97.25	12.75	84.50	58,000	5,379	2,438	3,001	6,960	639
	11/9/1999	97.25	13.65	83.60	10,500	92	<5	<5	3,414	769
	2/7/2000	97.25	10.85	86.40	44,200	1,080	617	<5	4,160	240
	5/31/2000	97.25	11.15	86.10	25,940	940	130	1,600	3,960	75
	8/9/2000	97.25	12.87	84.38	22,000	632	5.38	<5	2,686	37.3
	11/2/2000	97.25	12.55	84.70	3,000	278	350	209	980	21
	3/13/2001	97.25	8.75	88.50	2,360	81	16	71	270	221
	8/8/2001	97.25	12.97	84.28	5,620	153	46	373	345	174
	11/19/2001	97.25	13.19	84.06	13,000	600	270	750	1,200	400
	2/21/2002	97.25	9.88	87.37	240,000	1,400	<25	4,200	6,560	<100
	5/7/2002	97.25	10.32	86.93	9,000	360	56	560	622	2,100
	7/30/2002	39.38	11.79	27.59	8,400	340	78	530	517	1,200
	10/20/2002	39.38	13.80	25.58	18,000	950	75	1,400	1,269	700
	1/3/2003	39.38	9.48	29.90	8,100	300	29	370	302	1,100
	5/3/2003	39.38	9.48	29.90	18,000	380	33 C	1,000	516	540
	7/24/2003	39.38	11.92	27.46	12,000	460	54 C	910	435	890
	10/22/2003	39.38	13.09	26.29	16,000	830	87	2,000	675	280

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MW-8 cont.	1/22/2004	39.38	10.32	29.06	18,000	330	37 C	860	239	500
	4/1/2004	39.38	11.23	28.15	12,000	240	26 C	650	128.8 C	<4
	8/20/2004	39.38	13.02	26.36	6,000	310	27	660	56.8 C	<4
	12/8/2004	39.38	10.79	28.59	6,650	171	15	360	35	166
	3/15/2005	39.38	7.62	31.76	11,400	125	21	418	55.3	865
	5/16/2005	39.38	9.15	30.23	10,100	122	13.2	440	34.73	406
	7/14/2005	39.38	10.81	28.57	11,600	213	27.8	854	71.51	184
	10/13/2005	39.38	12.81	26.57	6,590	256	27.7	655	48.50	375
	1/3/2006	39.38	7.40	31.98	4,800	53	5.2	130	21	210
	4/6/2006	39.38	6.04	33.34	8,240	82.5	14.6	364	28.06	771
	9/7/2006	**39.38**	**12.15**	**27.23**	**4,130**	**86.80**	**7.32**	**173**	**19.73**	**48.60**
MW-10	12/1/1996	94.54	10.44	84.10	NA	NA	NA	NA	NA	NA
	4/10/1997	94.54	10.07	84.47	1,000	21	9	3	3	ND
	12/30/1997	94.54	8.78	85.76	10,000	5,300	76	1,100	780	NA
	9/29/1998	94.54	11.93	82.61	9,900	5,400	66	970	620	2,600
	12/16/1998	94.54	10.19	84.35	8,700	3,800	51	790	420	1,800
	3/16/1999	94.54	7.30	87.24	4,100	15	28	420	250	2,800
	6/10/1999	94.54	9.95	84.59	4,200	1,168	34	264	154	1,195
	8/23/1999	94.54	11.60	82.94	3,250	2,135	97	600	248	1,800
	11/9/1999	94.54	12.50	82.04	2,950	1,134	20	<5	70	652
	2/7/2000	94.54	9.25	85.29	<50	<5	<5	<5	<5	448
	5/31/2000	94.54	9.45	85.09	4,400	1,500	25	390	107.1	580
	8/9/2000	94.54	11.52	83.02	6,800	1,055	26	54	53.8	1,283
	11/2/2000	94.54	11.35	83.19	ND	ND	ND	ND	ND	145
	3/13/2001	94.54	8.07	86.47	4,935	969	18	41	72	630
	5/22/2001	94.54	9.80	84.74	2,900	630	11	200	31	270
	8/8/2001	94.54	11.64	82.90	242	35	1	11	2	64
	11/19/2001	94.54	12.06	82.48	3,500	900	260	310	258	410
	2/21/2002	94.54	8.28	86.26	4,700	1,100	20	370	63.7	500
	5/7/2002	94.54	9.49	85.05	3,400	660	13	260	48.0	270
	7/30/2002	36.71	10.93	25.78	160	26	0.55	8.1	1.0	72
	10/20/2002	36.71	12.54	24.17	550	130	3.00	31.0	2.7	70
	1/3/2003	36.71	8.23	28.48	17,000	870	11	290	27	270
	5/3/2003	36.71	8.30	28.41	2,500	650	10	190	15.81 C	180
	7/24/2003	36.71	10.76	25.95	750	160	4	58	6.66 C	79
	10/22/2003	36.71	11.91	24.80	2,000	410	11	170	9.14 C	110

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MW-10 cont.	1/22/2004	36.71	8.91	27.80	4,000	600	15	280	15.3 C	110
	4/1/2004	36.71	9.62	27.09	5,100	580	<1	330	26.4	160
	8/20/2004	36.71	11.50	25.21	3,400	550	13	240	17.0	100
	12/7/2004	36.71	9.29	27.42	2,524	556	10	184	16.0	144
	3/15/2005	36.71	7.48	29.23	4,340	354	6.07	166	17.1	258
	5/16/2005	36.71	8.24	28.47	4,750	415	6.87	254	10.4	126
	7/14/2005	36.71	9.78	26.93	6,050	594	9.53	297	10.7	190
	10/13/2005	36.71	11.32	25.39	6,230	811	11.3	355	5.6	167
	1/3/2006	36.71	6.81	29.90	2,000	350	6.0	210	16	88
	4/6/2006	36.71	6.03	30.68	600	86.5	<2.0	59.1	2.36	30.4
	9/7/2006	**36.71**	**10.90**	**25.81**	**6,960**	**360**	**<8.60**	**253**	**11.30**	**103.0**
MW-11	12/1/1996	95.94	11.99	83.95	NA	NA	NA	NA	NA	NA
	4/1/1997	95.94	11.47	84.47	NA	NA	NA	NA	NA	NA
	12/30/1997	95.94	10.40	85.54	710	66	97	59	190	NA
	6/30/1998	95.94	NM	NM	1,100	45	24	71	100	NA
	9/29/1998	95.94	13.24	82.70	170	7	1	4	9	22
	12/16/1998	95.94	11.58	84.36	650	27	4	25	33	>0.5
	3/16/1999	95.94	8.81	87.13	710	30	6	53	84	8
	6/10/1999	95.94	11.50	84.44	4,600	1,240	35	290	159	1,291
	8/23/1999	95.94	12.75	83.19	170	4	4	ND	6	ND
	11/9/1999	95.94	13.85	82.09	<50	<5	<5	<5	<5	<5
	2/7/2000	95.94	13.60	82.34	700	20	15	<5	35	<5
	8/9/2000	95.94	14.87	81.07	590	10.5	5.94	<5	7.75	<5
	11/2/2000	95.94	12.55	83.39	60	ND	ND	ND	ND	ND
	3/13/2001	95.94	9.61	86.33	273	8.6	2.1	10	14	ND
	5/22/2001	95.94	11.15	84.79	280	12	8.3	3.3	9.8	12
	8/8/2001	95.94	13.04	82.90	NA	NA	NA	NA	NA	NA
	11/19/2001	95.94	13.48	82.46	300	7.9	26	5.1	28.9	ND
	2/21/2002	95.94	9.69	86.25	560	34	20	32	37.3	< 0.5
	5/7/2002	95.94	10.99	84.95	280	16	3	7.6	7.6	<2
	7/30/2002	NS	13.24	NC	120	5.6	<0.5	0.61	0.53	<2.0
	10/20/2002	NS	NM	NC	NA	NA	NA	NA	NA	NA

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MW-11 cont.	1/3/2003	NS	9.76	NC	700	32	5.7	25	14.10	<2.0
	5/3/2003	NS	9.66	NC	280	17	1.5 C	8	4.10	<2.0
	7/24/2003	NS	12.30	NC	340	19 C	3.2	0.58	0.89	<2.0
	10/22/2003	NS	13.38	NC	210	5.0 C	<0.5	<0.5	<0.5	<0.5
	1/22/2004	NS	NM	NC	NA	NA	NA	NA	NA	NA
	4/1/2004	NS	NM	NC	NA	NA	NA	NA	NA	NA
	8/20/2004	NS	NM	NC	NA	NA	NA	NA	NA	NA
	12/7/2004	NS	10.54	NC	486	24	3.0	18	4.00	<0.5
	3/15/2005	NS	NM	NC	NA	NA	NA	NA	NA	NA
	5/16/2005	NS	NM	NC	NA	NA	NA	NA	NA	NA
	7/14/2005	NS	NM	NC	NA	NA	NA	NA	NA	NA
	10/13/2005	NS	NM	NC	NA	NA	NA	NA	NA	NA
	1/3/2006	NS	NM	NC	NA	NA	NA	NA	NA	NA
	4/6/2006	NS	7.72	NC	872	19.8	3.63	37.5	3.28	<0.5
MW-12	11/9/1999	94.84	13.20	81.64	80	<5	<5	<5	<5	229
	2/7/2000	94.84	10.20	84.64	4,000	351	37	<5	24	513
	5/31/2000	94.84	10.48	84.36	3,930	230	10	34	12	200
	8/9/2000	94.84	12.07	82.77	1,730	15.4	12.4	<5	<5	185
	11/2/2000	94.84	12.05	82.79	1,010	9.3	19.0	ND	7.40	215
	3/13/2001	94.84	9.04	85.80	1,517	13	5.6	5.5	11	214
	5/22/2001	94.84	10.52	84.32	31,000	1,200	ND	95	165	1,900
	8/8/2001	94.84	12.24	82.60	2,090	71	1.8	3	4	142
	11/19/2001	94.84	12.76	82.08	3,000	81	69	13	73	120
	2/21/2002	94.84	8.78	86.06	2,500	77	<0.5	5.7	7.4	95
	5/7/2002	94.84	10.26	84.58	2,700	74	<0.5	20	5.1	94
	7/30/2002	36.84	10.93	25.91	2,200	57	<0.5	11	2.6	100
	10/20/2002	36.84	13.13	23.71	2,600	71	<0.5	<0.5	10.3	84
	1/3/2003	36.84	9.23	27.61	2,300	65	<0.5	1	4.00	86
	5/3/2003	36.84	9.24	27.60	2,200	58	<0.5	4.2 C	4.1 C	96
	7/24/2003	36.84	11.44	25.40	2,200	32 C	16 C	<0.5	9.20	66
	10/22/2003	36.84	12.50	24.34	2200 H	31 C	<0.5	<0.5	3.5 C	49
	1/22/2004	36.84	9.56	27.28	1,700	24 C	14 C	3	5.00	72
	4/1/2004	36.84	10.21	26.63	2,000	11 C	<0.5	<0.5	5 C	36
	8/20/2004	36.84	12.00	24.84	1,900	8.9 C	<0.5	<0.5	1.1 C	26
	12/7/2004	36.84	10.03	26.81	1,018	2	<0.5	<0.5	<1.0	26

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MW-12 cont.	3/15/2005	36.84	8.49	28.35	1,890	4.25	<0.5	6.38	<1.0	30.6
	5/16/2005	36.84	9.07	27.77	1,080	<0.5	<0.5	<0.5	<1.0	20.6
	7/14/2005	36.84	10.43	26.41	1,580	2.71	<2.0	3.33	<1.0	29.3
	10/13/2005	36.84	12.08	24.76	1,560	0.74	<2.0	<0.50	<1.0	28.1
	1/3/2006	36.84	7.89	28.95	480 Y	13	<0.5	<0.5	<0.5	30
	4/6/2006	36.84	7.92	28.92	1,310	<0.5	<2.0	<0.5	<1.0	31.1
	9/7/2006	**36.84**	**11.44**	**25.40**	**1,220**	**0.61**	**<2.0**	**2.69**	**<1.0**	**23.7**
FDC	2/7/2000	97.10	15.40	81.70	NA	NA	NA	NA	NA	NA
	5/31/2000	97.10	12.41	84.69	NA	NA	NA	NA	NA	NA
	8/9/2000	97.10	15.70	81.40	NA	NA	NA	NA	NA	NA
	11/2/2000	97.10	16.85	80.25	NA	NA	NA	NA	NA	NA
	3/13/2001	97.10	9.39	87.71	NA	NA	NA	NA	NA	NA
	5/22/2001	97.10	15.85	81.25	NA	NA	NA	NA	NA	NA
	8/8/2001	97.10	13.30	83.80	NA	NA	NA	NA	NA	NA
	11/19/2001	97.10	17.82	79.28	NA	NA	NA	NA	NA	NA
	2/21/2002	97.10	16.74	80.36	NA	NA	NA	NA	NA	NA
	5/7/2002	97.10	10.36	86.74	NA	NA	NA	NA	NA	NA
	7/30/2002	39.35	11.93	27.42	NA	NA	NA	NA	NA	NA
	10/20/2002	39.35	13.74	25.61	NA	NA	NA	NA	NA	NA
	1/3/2003	39.35	15.18	24.17	NA	NA	NA	NA	NA	NA
	5/3/2003	39.35	16.20	23.15	NA	NA	NA	NA	NA	NA
	7/24/2003	39.35	16.45	22.90	NA	NA	NA	NA	NA	NA
	10/22/2003	39.35	16.53	22.82	NA	NA	NA	NA	NA	NA
	1/22/2004	39.35	13.74	25.61	NA	NA	NA	NA	NA	NA
	4/1/2004	39.35	16.30	23.05	NA	NA	NA	NA	NA	NA
	8/20/2004	39.35	16.05	23.30	NA	NA	NA	NA	NA	NA
	12/7/2004	39.35	14.56	24.79	NA	NA	NA	NA	NA	NA
	3/16/2005	39.35	13.55	25.80	NA	NA	NA	NA	NA	NA
	5/17/2005	39.35	14.88	24.47	NA	NA	NA	NA	NA	NA
	7/14/2005	39.35	14.32	25.03	NA	NA	NA	NA	NA	NA
	10/13/2005	39.35	14.99	24.36	NA	NA	NA	NA	NA	NA
	1/3/2006	39.35	11.82	27.53	NA	NA	NA	NA	NA	NA
	4/6/2006	39.35	13.60	25.75	NA	NA	NA	NA	NA	NA
	9/7/2006	**39.35**	**15.05**	**24.30**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

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FDE	5/31/2000	97.90	13.22	84.68	NA	NA	NA	NA	NA	NA
	8/9/2000	97.90	NM	NM	NA	NA	NA	NA	NA	NA
	11/2/2000	97.90	12.75	85.15	NA	NA	NA	NA	NA	NA
	3/13/2001	97.90	9.14	88.76	NA	NA	NA	NA	NA	NA
	5/22/2001	97.90	13.05	84.85	NA	NA	NA	NA	NA	NA
	8/8/2001	97.90	13.69	84.21	NA	NA	NA	NA	NA	NA
	11/19/2001	97.90	13.92	83.98	NA	NA	NA	NA	NA	NA
	2/21/2002	97.90	13.18	84.72	NA	NA	NA	NA	NA	NA
	5/7/2002	97.90	11.18	86.72	NA	NA	NA	NA	NA	NA
	7/30/2002	40.06	12.81	27.25	NA	NA	NA	NA	NA	NA
	10/20/2002	40.06	14.53	25.53	NA	NA	NA	NA	NA	NA
	1/3/2003	40.06	13.13	26.93	NA	NA	NA	NA	NA	NA
	5/3/2003	40.06	11.79	28.27	NA	NA	NA	NA	NA	NA
	7/24/2003	40.06	13.10	26.96	NA	NA	NA	NA	NA	NA
	10/22/2003	40.06	13.85	26.21	NA	NA	NA	NA	NA	NA
	1/22/2004	40.06	13.27	26.79	NA	NA	NA	NA	NA	NA
	4/1/2004	40.06	13.20	26.86	NA	NA	NA	NA	NA	NA
	8/20/2004	40.06	14.97	25.09	NA	NA	NA	NA	NA	NA
	12/7/2004	40.06	14.25	25.81	NA	NA	NA	NA	NA	NA
	3/16/2005	40.06	12.50	27.56	NA	NA	NA	NA	NA	NA
	5/17/2005	40.06	13.93	26.13	NA	NA	NA	NA	NA	NA
	7/14/2005	40.06	13.98	26.08	NA	NA	NA	NA	NA	NA
	10/13/2005	40.06	13.60	26.46	NA	NA	NA	NA	NA	NA
	1/3/2006	40.06	9.83	30.23	NA	NA	NA	NA	NA	NA
	4/6/2006	40.06	11.30	28.76	NA	NA	NA	NA	NA	NA
	9/7/2006	**40.06**	**13.52**	**26.54**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
FDW	5/31/2000	96.90	12.20	84.70	NA	NA	NA	NA	NA	NA
	8/9/2000	96.90	NM	NM	NA	NA	NA	NA	NA	NA
	11/2/2000	96.90	15.50	81.40	NA	NA	NA	NA	NA	NA
	3/13/2001	96.90	10.12	86.78	NA	NA	NA	NA	NA	NA
	5/22/2001	96.90	13.50	83.40	NA	NA	NA	NA	NA	NA
	8/8/2001	96.90	13.08	83.82	NA	NA	NA	NA	NA	NA
	11/19/2001	96.90	14.31	82.59	NA	NA	NA	NA	NA	NA

Table 1
Historical Groundwater Elevation Data & Analytical Results
3609 International Boulevard, Oakland, California

Monitoring Well	Date	Top Of Casing Elevation [1] (feet)	Depth to Groundwater (feet)	Groundwater Elevation (feet)	TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-Benzene (µg/L)	Total Xylenes (µg/L)	MtBE [2] EPA 8260B (µg/L)
FDW cont.	2/21/2002	96.90	12.78	84.12	NA	NA	NA	NA	NA	NA
	5/7/2002	96.90	10.14	86.76	NA	NA	NA	NA	NA	NA
	7/30/2002	39.16	11.79	27.37	NA	NA	NA	NA	NA	NA
	10/20/2002	39.16	13.50	25.66	NA	NA	NA	NA	NA	NA
	1/3/2003	39.16	12.13	27.03	NA	NA	NA	NA	NA	NA
	5/3/2003	39.16	10.84	28.32	NA	NA	NA	NA	NA	NA
	7/24/2003	39.16	12.12	27.04	NA	NA	NA	NA	NA	NA
	10/22/2003	39.16	13.48	25.68	NA	NA	NA	NA	NA	NA
	1/22/2004	39.16	13.58	25.58	NA	NA	NA	NA	NA	NA
	4/1/2004	39.16	13.90	25.26	NA	NA	NA	NA	NA	NA
	8/20/2004	39.16	15.69	23.47	NA	NA	NA	NA	NA	NA
	12/7/2004	39.16	14.85	24.31	NA	NA	NA	NA	NA	NA
	3/16/2005	39.16	13.10	26.06	NA	NA	NA	NA	NA	NA
	5/17/2005	39.16	14.60	24.56	NA	NA	NA	NA	NA	NA
	7/14/2005	39.16	15.10	24.06	NA	NA	NA	NA	NA	NA
	10/13/2005	39.16	13.34	25.82	NA	NA	NA	NA	NA	NA
	1/3/2006	39.16	12.61	26.55	NA	NA	NA	NA	NA	NA
	4/6/2006	39.16	12.80	26.36	NA	NA	NA	NA	NA	NA
	9/7/2006	**39.16**	**15.80**	**23.36**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

Notes:

[1] Top of casing elevations were re-surveyed to comply with the EDF requirements for electronic reporting of data to the State Water Resources Control Board Database on August 9, 2002.

[2] MtBE was analyzed using the EPA Method 8021B and confirmed using 8260B.

C Presence confirmed, but confirmation concentration differed by more than a factor of two.
H: Heavier hydrocarbons may have contributed to the quantitation.
NA: Not Analyzed
NA: Not Applicable, Well/Drain did not exist at time of sampling
NC: Not calculated. No top of casing elevation was available for MW-11.
ND, < : Not Detected above laboratory reporting limits.
NM: Not Measured
NS: Not Surveyed.
Y: Sample exhibits fuel pattern which does not resemble standard.

FDC: French drain center riser.
FDE: French drain east riser.
FDW: French drain west riser.

Well MW-4R replaced damaged well MW-4 on April 11, 2005. The first time well MW-4R was monitored was in the Second Quarter 2005

Table 1
Historical Groundwater Elevation Data & Analytical Results
3609 International Boulevard, Oakland, California

Monitoring Well	Date	Top Of Casing Elevation [1] (feet)	Depth to Groundwater (feet)	Groundwater Elevation (feet)	TPH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-Benzene (µg/L)	Total Xylenes (µg/L)	MtBE [2] EPA 8260B (µg/L)

NS: Not surveyed. Well MW-11 was not surveyed due to obstructions surrounding well.

Table 2
Total Volume of Water Treated, Historical Operational Data, and Effluent and GAC-1 Analytical Results
3609 International Boulevard, Oakland, California

		Meter	Lab Results For Effluent [1] and GAC-1					
		Reading	(concentrations in ug/L)					
Month	Date	(gallons)	MtBE [2]	TPH-g	Benzene	Toluene	Ethyl benzene	Total Xylenes
2006								
September	**9/27/2006**	**3,441,500**	**<0.5**	**<50**	**<0.5**	**<0.5**	**<0.5**	**<0.5**
			<0.5	**<50**	**<0.5**	**<0.5**	**<0.5**	**<0.5**
August	8/14/2006	3,425,340	<0.5	<50	<0.5	<2.0	<0.5	<1.0
			<0.5	<50	<0.5	<2.0	<0.5	<1.0
July	7/24/2006	3,414,800	<0.5	<50	<0.5	<2.0	<0.5	<1.0
			<0.5	<50	0.94	<2.0	<0.5	<1.0
June	6/15/2006		Carbon Change-out of 2000 lb vessel and 55 gallon polishing vessel					
	6/7/2006	3,379,880	<0.5	<50	<0.5	<2.0	<0.5	<1.0
			2.89	<50	5.3	<2.0	1.24	4.91
May	5/18/2006	3,350,260	replaced existing 200 gallon holding tank with newer 200 gallon tank					
	5/11/2006	3,337,750	<0.5	<50	<0.5	<2.0	<0.5	<1.0
			0.61	<50	<0.5	<2.0	<0.5	<1.0
April	4/19/2006	3,268,110	<0.5	<50	<0.5	<2.0	<0.5	<1.0
			1.66	<50	<0.5	<2.0	<0.5	<1.0
	4/10/2006	3,236,770	Carbon Change-out of 2000 lb vessel and 55 gallon polishing vessel					
March	3/10/2006	3,220,570	<0.5	<50	<0.5	<2.0	<0.5	<1.0
			<0.5	<50	<0.5	<2.0	<0.5	<1.0
February	2/10/2006	3,186,590	<0.5	<50	<0.5	<2.0	<0.5	<1.0
			<0.5	<50	<0.5	<2.0	<0.5	<1.0
January	1/4/2006	3,122,610	<0.5	<50	<0.5	<0.5	<0.5	<0.5
			<0.5	<50	<0.5	<0.5	<0.5	<0.5

Table 2
Total Volume of Water Treated, Historical Operational Data, and Effluent and GAC-1 Analytical Results
3609 International Boulevard, Oakland, California

		Meter	Lab Results For Effluent [1] and GAC-1					
		Reading	(concentrations in ug/L)					
Month	Date	(gallons)	MtBE [2]	TPH-g	Benzene	Toluene	Ethyl benzene	Total Xylenes
2005								
December	12/9/2005	3,081,750	<0.5 <0.5	<50 <50	<0.5 <0.5	<2.0 <2.0	<0.5 <0.5	<1.0 <1.0
November	11/14/2005	3,072,540	<0.5 <0.5	<50 <50	<0.5 <0.5	<2.0 <2.0	<0.5 <0.5	<1.0 <1.0
October	10/17/2005	3,065,260	<0.5 <0.5	<50 <50	<0.5 <0.5	<2.0 <2.0	<0.5 <0.5	<1.0 <1.0
September	9/29/2005	3,060,640	Replaced existing 2000 lb carbon vessel with newer 2000 lb vessel, also replaced 55 gallon polishing vessel					
	9/12/2005	3,055,676	<0.5 <0.5	<50 <50	<0.5 <0.5	<2.0 <2.0	<0.5 <0.5	<1.0 <1.0
August	8/8/2005	3,042,586	<0.5 0.51	<200 <200	<0.5 <0.5	<2.0 <2.0	<0.5 <0.5	<1.0 <1.0
July	7/7/2005	3,026,010	<0.5 <0.5	<200 <200	<0.5 <0.5	<2.0 <2.0	<0.5 <0.5	<1.0 <1.0
2005								
June	6/9/2005	3,000,386	<0.5 0.61	<200 <200	<0.5 <0.5	<2.0 <2.0	<0.5 <0.5	<1.0 <1.0
May	5/9/2005	2,971,430	<0.5 <0.5	<200 <200	<0.5 <0.5	<0.5 <0.5	<0.5 <0.5	<1.0 <1.0
	5/4/2005	2,964,270	Carbon Change-out of 2000 lb vessel and 55 gallon polishing vessel totalizer changed at meter reading of 2,189,270					
April	4/4/2005	2,904,500	<0.5 <0.5	<200 <200	<0.5 <0.5	<0.5 <0.5	<0.5 <0.5	<1.0 <1.0

Table 2
Total Volume of Water Treated, Historical Operational Data, and Effluent and GAC-1 Analytical Results
3609 International Boulevard, Oakland, California

		Meter	Lab Results For Effluent [1] and GAC-1					
		Reading	(concentrations in ug/L)					
Month	Date	(gallons)	MtBE [2]	TPH-g	Benzene	Toluene	Ethyl benzene	Total Xylenes
2005								
March	3/21/2005	2,874,170	<0.5 <0.5	<200 <200	<0.5 <0.5	<0.5 <0.5	<0.5 <0.5	<1.0 <1.0
February	2/14/2005	2,828,000	55 Gallon Drum Changed Out					
	2/7/2005	2,819,000	<5.0 <5.0	<50 <50	<5.0 <5.0	<5.0 <5.0	<5.0 <5.0	<5.0 <5.0
January	1/19/2005	2,775,000	Carbon Change-out of 2000 lb vessel and 55 gallon polishing vessel					
	1/3/2005	2,730,480	3.6 3.8	<50 <50	<0.5 <0.5	<0.5 <0.5	<0.5 <0.5	<0.5 <0.5
2004								
December	12/6/2004	2,667,620	<0.5 <0.5	<50 <50	<0.5 <0.5	<0.5 <0.5	<0.5 <0.5	<1.0 <1.0
November	11/8/2004	2,631,600	<0.5 <0.5	<50 <50	<0.5 <0.5	<0.5 <0.5	<0.5 <0.5	<0.5 <0.5
October	10/13/2004	2,606,420	< 2.0 <2.0	< 50 <50	<0.5 <0.5	<0.5 <0.5	<0.5 <0.5	<0.5 <0.5
September	9/13/2004	2,594,390	< 2.0 < 2.0	< 50 < 50	<0.5 <0.5	<0.5 <0.5	<0.5 <0.5	<0.5 <0.5
August	8/25/2004	2,586,010	55 Gallon Drum Changed Out					
	8/9/2004	2,581,250	< 2.0 < 2.0	< 50 < 50	<0.5 <0.5	<0.5 <0.5	<0.5 <0.5	<0.5 <0.5
July	7/13/2004	2,568,830	< 2.0 < 2.0	< 50 < 50	<0.5 <0.5	<0.5 <0.5	<0.5 <0.5	<0.5 <0.5
	7/21/2004	2,564,710	55 Gallon Drum Changed Out					

Table 2
Total Volume of Water Treated, Historical Operational Data, and Effluent and GAC-1 Analytical Results
3609 International Boulevard, Oakland, California

		Meter	Lab Results For Effluent [1] and GAC-1					
		Reading	(concentrations in ug/L)					
Month	Date	(gallons)	MtBE [2]	TPH-g	Benzene	Toluene	Ethyl benzene	Total Xylenes
2004								
June	6/14/2004	2,549,470	< 2.0 < 2.0	< 50 < 50	<0.5 <0.5	<0.5 <0.5	<0.5 <0.5	<0.5 <0.5
May	5/26/2004	2,530,000	Carbon Change-out of 2000 lb vessel and 55 gallon polishing vessel					
	5/10/2004	2,488,760	Semi Annual Treatment System Meeting With Ebmud					
	5/17/2004	2,518,910	Replaced 55-gallon polishing vessel and restarted the system					
	5/5/2004	2,500,650	Carbon Changed Out and 55 Gallon Drum Changed Out					
	5/3/2004	2,497,350	< 2.0 < 2.0	< 50 < 50	<0.5 <0.5	<0.5 <0.5	<0.5 <0.5	<0.5 <0.5
April	4/15/2004	2,436,190	< 5.0 <5.0	< 50 < 50	< 5.0 < 5.0	< 5.0 < 5.0	< 5.0 < 5.0	< 5.0 < 5.0
March	3/17/2004	2,376,200	Carbon Change-out of 2000 lb vessel and 55 gallon polishing vessel					
February	2/24/2004	2,276,770	< 5.0 <5.0	< 5.0 < 50	< 5.0 < 5.0	< 5.0 < 5.0	< 5.0 < 5.0	< 5.0 < 5.0
January	1/27/2004	2,165,220	< 5.0 <5.0	< 50 < 50	< 5.0 < 5.0	< 5.0 < 5.0	< 5.0 < 5.0	< 5.0 < 5.0
	1/13/2004	2,116,720	< 5.0 <5.0	< 50 < 50	< 5.0 < 5.0	< 5.0 < 5.0	< 5.0 < 5.0	< 5.0 < 5.0

Table 2
Total Volume of Water Treated, Historical Operational Data, and Effluent and GAC-1 Analytical Results
3609 International Boulevard, Oakland, California

		Meter	Lab Results For Effluent [1] and GAC-1					
		Reading	(concentrations in ug/L)					
Month	Date	(gallons)	MtBE [2]	TPH-g	Benzene	Toluene	Ethyl benzene	Total Xylenes
2003								
December	12/8/2003	2,092,330	< 5.0 <5.0	< 50 < 50	< 5.0 < 5.0	< 5.0 < 5.0	< 5.0 < 5.0	< 5.0 < 5.0
November	11/17/2003	2,087,670	< 5.0 <5.0	< 50 < 50	< 5.0 < 5.0	< 5.0 < 5.0	< 5.0 < 5.0	< 5.0 < 5.0
	11/3/2003	2,079,460	< 5.0 <5.0	< 50 < 50	< 5.0 < 5.0	< 5.0 < 5.0	< 5.0 < 5.0	< 5.0 < 5.0
October	10/13/2003	2,073,060	5.3 <5.0	< 50 < 50	< 5.0 < 5.0	< 5.0 < 5.0	< 5.0 < 5.0	< 5.0 < 5.0
	10/1/2003	2,072,610	Carbon Change-out of 2000 lb vessel and 55 gallon polishing vessel					
September	9/15/2003	2,056,910	<5.0 6	< 50 < 50	< 5.0 < 5.0	< 5.0 < 5.0	< 5.0 < 5.0	< 5.0 < 5.0
	9/2/2003	2,040,040	<5.0 <5.0	< 50 < 50	< 5.0 < 5.0	< 5.0 < 5.0	< 5.0 < 5.0	< 5.0 < 5.0
August	8/19/2003	2,021,040	<5.0 <5.0	< 50 < 50	< 5.0 < 5.0	< 5.0 < 5.0	< 5.0 < 5.0	< 5.0 < 5.0
July	7/21/2003	1,995,240	< 5.0 40	< 50 < 50	< 5.0 < 5.0	< 5.0 < 5.0	< 5.0 < 5.0	< 5.0 < 5.0
	7/9/2003	1,990,260	< 5.0 36	< 50 < 50	< 5.0 < 5.0	< 5.0 < 5.0	< 5.0 < 5.0	< 5.0 < 5.0

Table 2
Total Volume of Water Treated, Historical Operational Data, and Effluent and GAC-1 Analytical Results
3609 International Boulevard, Oakland, California

		Meter	Lab Results For Effluent [1] and GAC-1					
		Reading	(concentrations in ug/L)					
Month	Date	(gallons)	MtBE [2]	TPH-g	Benzene	Toluene	Ethyl benzene	Total Xylenes
2003								
June	6/18/2003	1,978,560	Carbon Change-out of 2000 lb vessel and 55 gallon polishing vessel					
	6/10/2003	1,972,780	< 5.0 < 5.0	< 50 < 50	< 5.0 < 5.0	< 5.0 < 5.0	< 5.0 < 5.0	< 5.0 < 5.0
May	5/21/2003	1,951,830	< 5.0 < 5.0	< 50 < 50	< 5.0 < 5.0	< 5.0 < 5.0	< 5.0 < 5.0	< 5.0 < 5.0
	5/1/2003	1,918,270	< 5.0 < 5.0	< 50 < 50	< 5.0 < 5.0	< 5.0 < 5.0	< 5.0 < 5.0	< 5.0 < 5.0
April	4/11/2003	1,882,440	< 5.0 < 5.0	< 50 < 50	< 5.0 < 5.0	< 5.0 < 5.0	< 5.0 < 5.0	< 5.0 < 5.0
March	3/19/2003	1,846,490	< 5.0 < 5.0	< 50 < 50	< 5.0 < 5.0	< 5.0 < 5.0	< 5.0 < 5.0	< 5.0 < 5.0
February	2/25/2003	1,804,960	replaced 55-gallon polishing vessel with new 55 gallon carbon drum					
	2/19/2003	1,791,720	< 5.0 < 5.0	< 50 < 50	< 5.0 < 5.0	< 5.0 < 5.0	< 5.0 < 5.0	< 5.0 < 5.0
January	1/27/2003	1,733,500	< 5.0 < 5.0	< 50 < 50	< 5.0 < 5.0	< 5.0 < 5.0	< 5.0 < 5.0	< 5.0 < 5.0
	1/2/2003	1,675,600	< 5.0 < 5.0	< 50 < 50	< 5.0 < 5.0	< 5.0 < 5.0	< 5.0 < 5.0	< 5.0 < 5.0

Table 2
Total Volume of Water Treated, Historical Operational Data, and Effluent and GAC-1 Analytical Results
3609 International Boulevard, Oakland, California

		Meter	Lab Results For Effluent [1] and GAC-1					
		Reading	(concentrations in ug/L)					
Month	Date	(gallons)	MtBE [2]	TPH-g	Benzene	Toluene	Ethyl benzene	Total Xylenes
2002								
December	12/10/2002	1,672,870	< 5.0 < 5.0	< 50 < 50	< 5.0 < 5.0	< 5.0 < 5.0	< 5.0 < 5.0	< 5.0 < 5.0
November	11/22/2002	1,668,650	< 5.0 < 5.0	< 50 < 50	< 5.0 < 5.0	< 5.0 < 5.0	< 5.0 < 5.0	< 5.0 < 5.0
	11/13/2002	1,664,780	replaced gasket on top of 2000 lb GAC vessel, slight leak was detected					
	11/7/2002	1,663,880	Carbon Change-out of 2000 lb vessel and 55 gallon polishing vessel					
October	10/16/02 [3]	1,661,590	< 310 < 0.5	2,000 Y Z < 50	< 310 < 0.5	< 310 < 0.5	< 310 < 0.5	< 310 < 0.5
September	9/19/2002	1,653,600	< 5 < 5	< 50 < 50	< 5 < 5	< 5 < 5	< 5 < 5	< 5 < 5
August	8/23/2002	1,641,650	1 < 0.5	< 50 < 50	< 0.5 < 0.5	< 0.5 < 0.5	< 0.5 < 0.5	< 0.5 < 0.5
July	7/23/2002	1,632,834	<5.0 < 5.0	< 50 < 50	<5.0 < 5.0	<5.0 < 5.0	<5.0 < 5.0	<5.0 < 5.0
June	6/24/2002	1,610,050	1.7 < 0.5	< 50 < 50	< 0.5 < 0.5	< 0.5 < 0.5	< 0.5 < 0.5	< 0.5 < 0.5
May	5/30/2002	1,571,630	< 0.5 < 0.5	< 50 < 50	< 0.5 < 0.5	< 0.5 < 0.5	< 0.5 < 0.5	< 0.5 < 0.5
	5/20/2002	1,548,000	removed newly installed compressor, installed another compressor					
	5/8/2002	1,538,850	installed new compressor					
	5/1/2002	1,529,650	installed new 55 gallon GAC Vessel					
April	4/24/2002	1,528,740	< 0.5 < 0.5	< 50 < 50	< 0.5 < 0.5	< 0.5 < 0.5	< 0.5 < 0.5	< 0.5 < 0.5
	4/1/2002	1,478,500	repaired valve plate assembly on compressor					

Table 2
Total Volume of Water Treated, Historical Operational Data, and Effluent and GAC-1 Analytical Results
3609 International Boulevard, Oakland, California

		Meter	Lab Results For Effluent [1] and GAC-1					
		Reading	(concentrations in ug/L)					
Month	Date	(gallons)	MtBE [2]	TPH-g	Benzene	Toluene	Ethyl benzene	Total Xylenes
2002								
March	3/25/2002	1,478,420	performed carbon change-out on treatment system					
	3/18/2002	NR	replaced piston on compressor					
	3/14/2002	1,478,330	compressor not building up pressure					
February	2/27/2002	1,449,830	< 0.5 1.1	< 50 < 50	< 0.5 < 0.5	< 0.5 < 0.5	< 0.5 < 0.5	< 0.5 < 0.5
January	1/22/2002	1,381,370	< 2.0 < 2.0	< 50 < 50	< 0.5 < 0.5	< 0.5 < 0.5	< 0.5 < 0.5	< 0.5 < 0.5
2001								
December	12/12/2001	1,311,340	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND
November	11/2/2001	1,272,660	ND 0.6	ND ND	ND ND	ND ND	ND ND	ND ND
September	9/28/2001	NA	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND
August	8/22/2001	1,243,100	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND
July	7/26/2001	1,227,270	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND
	7/11/2001	1,226,730	NA NA	NA NA	NA NA	NA NA	NA NA	NA NA

Table 2
Total Volume of Water Treated, Historical Operational Data, and Effluent and GAC-1 Analytical Results
3609 International Boulevard, Oakland, California

		Meter	Lab Results For Effluent [1] and GAC-1					
		Reading	(concentrations in ug/L)					
Month	Date	(gallons)	MtBE [2]	TPH-g	Benzene	Toluene	Ethyl benzene	Total Xylenes
2001								
June	6/29/2001	1,224,600	NA	NA	NA	NA	NA	NA
			ND	ND	ND	ND	ND	ND
	6/26/2001	NR	installed new compressor					
	6/16/2001	1,216,580	NA	NA	NA	NA	NA	NA
			NA	NA	NA	NA	NA	NA
			compressor not working, repaired compressor					
	6/7/2001	1,216,580	NA	NA	NA	NA	NA	NA
			NA	NA	NA	NA	NA	NA
May	5/30/2001	1,205,198	NA	NA	NA	NA	NA	NA
			NA	NA	NA	NA	NA	NA
	5/23/2001	1,194,390	NA	NA	NA	NA	NA	NA
			NA	NA	NA	NA	NA	NA
	5/17/2001	1,182,360	ND	ND	ND	ND	ND	ND
			ND	ND	ND	ND	ND	ND
	5/10/2001	1,166,850	NA	NA	NA	NA	NA	NA
			NA	NA	NA	NA	NA	NA
	5/5/2001	1,151,600	NA	NA	NA	NA	NA	NA
			NA	NA	NA	NA	NA	NA
April	4/28/2001	1,135,690	NA	NA	NA	NA	NA	NA
			NA	NA	NA	NA	NA	NA
	4/21/2001	1,113,570	NA	NA	NA	NA	NA	NA
			NA	NA	NA	NA	NA	NA
	4/11/2001	1,082,700	NA	ND	ND	ND	ND	ND
			ND	ND	ND	ND	ND	ND
	4/6/2001	1,065,540	NA	NA	NA	NA	NA	NA
			NA	NA	NA	NA	NA	NA

Table 2
Total Volume of Water Treated, Historical Operational Data, and Effluent and GAC-1 Analytical Results
3609 International Boulevard, Oakland, California

		Meter	Lab Results For Effluent [1] and GAC-1					
		Reading	(concentrations in ug/L)					
Month	Date	(gallons)	MtBE [2]	TPH-g	Benzene	Toluene	Ethyl benzene	Total Xylenes
2001								
March	3/29/2001	1,036,330	NA NA	NA NA	NA NA	NA NA	NA NA	NA NA
			system was re-started					
	3/21/2001	1,036,070	NA NA	NA NA	NA NA	NA NA	NA NA	NA NA
			belt replaced on compressor					
	3/17/2001	1,035,100	NA NA	NA NA	NA NA	NA NA	NA NA	NA NA
	3/13/2001	1,032,500	ND NA	ND NA	ND NA	ND NA	ND NA	ND NA
	3/2/2001	996,520	NA NA	NA NA	NA NA	NA NA	NA NA	NA NA
	3/1/2001	NR	system re-started after carbon change-out					
February	2/28/2001	NR	Carbon Change-out was performed on GAC-1, washed algae from holding tank cleaned 2000 lb GAC, re-started system					
	2/10/2001	975,490	System shut down for maintenance and cleaning.					
January	1/29/2001	957,880	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND
2000								
December	12/5/2000	883,000	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND
November	11/24/2000	NR	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND
	11/1/2000	842,000	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND

Table 2
Total Volume of Water Treated, Historical Operational Data, and Effluent and GAC-1 Analytical Results
3609 International Boulevard, Oakland, California

		Meter	Lab Results For Effluent [1] and GAC-1					
		Reading	(concentrations in ug/L)					
Month	Date	(gallons)	MtBE [2]	TPH-g	Benzene	Toluene	Ethyl benzene	Total Xylenes
2000								
October	10/1/2000	809,000	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND
August	8/27/2000	781,000	ND	ND	ND	ND	ND	ND
	8/24/2000	778,000	totalizer changed at meter reading of 775,000					
July	7/26/2000	726,000	ND	ND	ND	ND	ND	ND
	7/19/2000	718,000	ND	ND	ND	ND	ND	ND
	7/13/2000	712,000	ND	ND	ND	ND	ND	ND
	7/7/2000	706,000	ND	ND	ND	ND	ND	ND
June	6/29/2000	700,000	ND	ND	ND	ND	ND	ND
	6/21/2000	682,220	ND	ND	ND	ND	ND	ND
	6/16/2000	669,720	ND	ND	ND	ND	ND	ND
	6/10/2000	651,200	ND	ND	ND	ND	ND	ND
May	5/31/2000	629,000	ND	ND	ND	ND	ND	ND
	5/23/2000	603,700	ND	ND	ND	ND	ND	ND
	5/18/2000	570,000	ND	ND	ND	ND	ND	ND
	5/10/2000	530,400	ND	ND	ND	ND	ND	ND
April	4/30/2000	488,300	ND	ND	ND	ND	ND	ND
	4/18/2000	485,300	ND	ND	ND	ND	ND	0.51
			compressor stopped, system shut down until April 29, 2000					
	4/10/2000	440,200	ND	ND	ND	ND	ND	ND
	4/4/2000	390,100	ND	ND	ND	ND	ND	ND
	4/2/2000	NR	performed a carbon change-out on GAC-1					

Table 2
Total Volume of Water Treated, Historical Operational Data, and Effluent and GAC-1 Analytical Results
3609 International Boulevard, Oakland, California

		Meter	Lab Results For Effluent [1] and GAC-1					
		Reading	(concentrations in ug/L)					
Month	Date	(gallons)	MtBE [2]	TPH-g	Benzene	Toluene	Ethyl benzene	Total Xylenes
2000								
March	3/31/2000	NR	replaced GAC-2 with a special GAC designed for removal of MtBE					
	3/24/2000	388,000	ND	ND	ND	ND	ND	ND
	3/17/2000	357,100	ND	ND	ND	ND	ND	ND
	3/10/2000	329,000	ND	ND	ND	ND	ND	ND
	3/3/2000	300,000	transfer overheated, repaired pump, restarted system 3/6/00					
February	2/25/2000	274,000	ND	ND	ND	ND	ND	ND
	2/18/2000	233,000	ND	ND	ND	ND	ND	ND
	2/11/2000	190,000	ND	ND	ND	ND	ND	ND
	2/4/2000	160,800	ND	ND	ND	ND	ND	ND
January	1/28/2000	130,600	ND	ND	ND	ND	ND	ND
	1/21/2000	103,435	ND	ND	ND	ND	ND	ND
	1/17/2000	NR	GAC-1 was replaced with 2,000 lb GAC unit second polishing GAC was replaced with 55 gallon GAC unit					
	1/14/2000	83,500	185	ND	ND	ND	ND	ND
1999								
December	12/23/1999	51,680	1486	NA	ND	ND	ND	ND
			ND	NA	ND	ND	ND	ND
	12/16/1999	30,450	963	NA	ND	ND	ND	ND
			ND	NA	ND	ND	ND	ND
	12/9/1999	9,000	230	ND	ND	ND	ND	ND
Pumping began on December 6, 1999								

Notes:
1 Effluent is equivalent to PSP#1
2 MTBE was analyzed using EPA Method 8260B, prior to the September 2003. After September 2003, MtBE was only analyzed by EPA Method 8021B.
3 Lab data as shown for Oct. 2002 is erroneous data. During lab analysis a high detection of 2-Butanone was detected in only the effluent sample. The influent sample for 2-Butanone was at only 20 ppb. This caused a high dilution factor causing a high non-detectable value. The high TPH-g value was misrepresentative due to the Y and Z flags.
ND, < : Not Detected above laboratory reporting limits
NA: Not Analyzed
NR: Not recorded. Totalizer reading not recorded.
Y: Sample exhibits fuel pattern which does not resemble standard
Z: Sample exhibits unknown single peak or peaks

Table 3
Total Mass of Petroleum Hydrocarbons Removed
by the Vapor Extraction System & Historical Operational Data
3609 International Boulevard, Oakland, California

Date	Time	PID (ppmv)		Flow Rate	Time Elapsed	Air Flow	Air Flow	Mass Removed [1]
		Influent	Effluent	(ft^3/min)	(Hours)	(Liters)	(ft^3)	(Pounds)
2000								
7/24/2000	5:00 PM	394	0	85	0.0	0	0	0.00
7/25/2000	5:15 PM	38	2	95	24.3	3,911,768	138,225	1.35
7/26/2000	5:05 PM	207	1	80	24.0	3,260,160	115,200	6.15
7/27/2000	9:00 AM	160	5	92	16.0	2,499,456	88,320	3.64
7/28/2000	4:30 PM	141	7	87	31.5	4,653,369	164,430	5.98
7/29/2000	1:30 PM	225	8	85	21.0	3,030,930	107,100	6.21
7/30/2000	9:00 AM	226	12	85	19.5	2,814,435	99,450	5.79
7/31/2000	3:00 PM	141	5	85	30.0	4,329,900	153,000	5.56
8/1/2000	5:00 PM	135	4	80	26.0	3,531,840	124,800	4.34
8/2/2000	4:00 PM	80	4	80	23.0	3,124,320	110,400	2.28
8/3/2000	5:00 PM	60	5	85	25.0	3,608,250	127,500	1.97
8/4/2000	3:00 PM	57	4	85	22.0	3,175,260	112,200	1.65
8/5/2000	2:00 PM	97	8	87	23.0	3,397,698	120,060	3.00
8/6/2000	12:00 PM	114	8	80	22.0	2,988,480	105,600	3.10
8/7/2000	12:00 PM	93	9	85	24.0	3,463,920	122,400	2.93
8/8/2000	4:30 PM	152	10	85	28.5	4,113,405	145,350	5.70
8/10/2000	10:00 AM	173	1	85	41.5	5,989,695	211,650	9.44
8/11/2000	7:00 AM	78	4	70	21.0	2,496,060	88,200	1.77
8/12/2000	9:00 AM	100	6	70	26.0	3,090,360	109,200	2.82
8/13/2000	5:00 PM	107	9	70	32.0	3,803,520	134,400	3.71
8/14/2000	12:30 PM	122	5	70	19.5	2,317,770	81,900	2.58
8/15/2000	6:00 PM	103	12	70	29.5	3,506,370	123,900	3.29
8/16/2000	12:30 PM	112	0	70	18.5	2,198,910	77,700	2.24
8/18/2000	9:00 AM	90	0	75	44.5	5,667,075	200,250	4.65
8/21/2000	12:00 PM	74	5	80	75.0	10,188,000	360,000	6.87
8/24/2000	12:00 PM	68	13	80	72.0	9,780,480	345,600	6.06
8/27/2000	12:30 PM	68.5	2	80	72.5	9,848,400	348,000	6.15
8/31/2000	1:30 PM	52	6	80	97.0	13,176,480	465,600	6.24

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Date	Time	PID (ppmv) Influent	PID (ppmv) Effluent	Flow Rate (ft^3/min)	Time Elapsed (Hours)	Air Flow (Liters)	Air Flow (ft^3)	Mass Removed [1] (Pounds)
2000								
9/4/2000	12:30 PM	54	5	80	95.0	12,904,800	456,000	6.35
9/7/2000	12:00 PM	55	3	80	71.5	9,712,560	343,200	4.87
9/11/2000	4:30 PM [2]	141	0	80	100.5	13,651,920	482,400	17.54
9/14/2000	9:30 AM	56	5	80	65.0	8,829,600	312,000	4.50
9/18/2000	2:00 PM	46	9.5	80	100.5	13,651,920	482,400	5.72
9/18/2000	4:30 PM [3]	34	0	80	2.5	339,600	12,000	0.11
9/21/2000	4:30 PM	43	1	80	72.0	9,780,480	345,600	3.83
9/25/2000	5:30 PM	55	6	80	97.0	13,176,480	465,600	6.60
9/28/2000	9:00 AM	47.5	7.5	80	63.5	8,625,840	304,800	3.73
10/1/2000	1:00 PM	38.5	6	80	76.0	10,323,840	364,800	3.62
10/5/2000	3:00 PM [4]	28.5	3	80	98.0	13,312,320	470,400	3.46
10/5/2000	5:00 PM	36	0	80	2.0	271,680	9,600	0.09
10/8/2000	3:00 PM	28.5	3	80	70.0	9,508,800	336,000	2.47
10/14/2000	3:00 PM	24.5	2.5	80	144.0	19,560,960	691,200	4.37
10/17/2000	2:00 PM	36.5	3.5	80	71.0	9,644,640	340,800	3.21
10/20/2000	8:30 AM	18.5	3.5	80	66.5	9,033,360	319,200	1.52
10/25/2000	2:00 PM	38	3.7	80	125.5	17,047,920	602,400	5.90
10/29/2000	10:00 AM	35	4	80	93.0	12,633,120	446,400	4.03
11/2/2000	4:00 PM	30.5	4	80	102.0	13,855,680	489,600	3.85
11/7/2000	4:00 PM	30	6	80	120.0	16,300,800	576,000	4.46
11/19/2000	12:00 PM	92.7	5.5	80	284.0	38,578,560	1,363,200	32.57
11/24/2000	1:30 PM	25	6.5	80	121.5	16,504,560	583,200	3.76
11/29/2000	3:00 PM	14.5	3.5	80	121.5	16,504,560	583,200	2.18
12/4/2000	4:30 PM	10.7	1	80	121.5	16,504,560	583,200	1.61
12/13/2000	3:30 PM	24	3	80	263.0	35,725,920	1,262,400	7.81
12/28/2000	2:30 PM	10	6	85	359.0	51,814,470	1,830,900	4.72
2001								
1/4/2001[5]	2:00 PM	8.7	3.7	85	167.5	24,175,275	854,250	1.92
8/8/2001	3:00 PM	217	0	85	0.5	72,165	2,550	0.14
9/6/2001	12:00 PM	85	0	85	693.0	100,020,690	3,534,300	77.45
9/13/2001	4:00 PM	186	8	85	172.0	24,824,760	877,200	42.07
9/18/2001	3:00 PM	184	9	85	119.0	17,175,270	606,900	28.79
9/21/2001 [6]		--	--	--	NC	NC	NC	NC

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3609 International Boulevard, Oakland, California

Date	Time	PID (ppmv) Influent	PID (ppmv) Effluent	Flow Rate (ft^3/min)	Time Elapsed (Hours)	Air Flow (Liters)	Air Flow (ft^3)	Mass Removed [1] (Pounds)
2001								
10/12/01 [7]		--	--	--	NC	NC	NC	NC
10/23/2001	5:00 PM	114	58	87	0.5	73,863	2,610	0.08
10/25/01 [4]	3:00 PM	133	0	85	46.0	6,639,180	234,600	8.04
10/29/2001 [8]	1:20 PM	569	0	85	94.5	13,639,185	481,950	70.70
11/7/2001	3:30 PM	177	0	87	218.0	32,204,268	1,137,960	51.93
11/16/2001	3:00 PM	117	0	87	215.5	31,834,953	1,124,910	33.93
11/21/01 [9]	12:00 PM	85	72	87	117.0	17,283,942	610,740	13.38
2002								
2/15/02 [10]	4:30 PM	49	0	80	0.5	67,920	2,400	0.03
2/16/2002	3:45 PM	50	0	80	23.3	3,158,280	111,600	1.44
2/21/2002	4:00 PM	37	4	80	120.3	16,334,760	577,200	5.51
2/27/2002	10:30 AM	11	0	83	138.5	19,519,359	689,730	1.96
3/7/02 [11]	12:20 PM	10		80	194.0	26,352,960	931,200	2.40
6/12/2002 [12]	4:15 PM	53	2	75	NA	NA	NA	NA
6/17/2002	11:00 AM	28	2	80	120.0	16,306,560	576,204	4.16
6/24/2002	11:20 AM	24	3.1	80	168.3	22,866,400	808,000	5.00
7/5/2002	1:25 PM	20	5	80	266.0	36,133,440	1,276,800	6.58
7/11/2002	3:30 PM	26	8.0	80	146.0	19,832,640	700,800	4.70
7/23/2002	10:10 AM	28	7.5	83	282.8	39,849,089	1,408,095	10.16
8/9/2002	12:20 PM	7.5	0	80	410.3	55,728,360	1,969,200	3.81
8/15/2002 [11]	3:00 PM	7.0	1	80	146.5	19,900,560	703,200	1.27
8/23/2002 [13]	3:20 PM	NC	NC	NC	NC	NC	NC	NC
8/26/2002	11:15 AM	14.0	2.0	80	71.0	9,644,640	340,800	1.23
9/11/2002	10:10 AM	34.4	0	80	383.0	52,020,588	1,838,183	16.30
9/19/2002	10:55 AM	8.8	1.1	80	192.8	26,183,160	925,200	2.10
9/25/2002	10:30 AM	18.8	1.8	80	143.5	19,493,040	688,800	3.34

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Date	Time	PID (ppmv) Influent	PID (ppmv) Effluent	Flow Rate (ft^3/min)	Time Elapsed (Hours)	Air Flow (Liters)	Air Flow (ft^3)	Mass Removed [1] (Pounds)
2002								
10/2/2002	8:10 AM	17.1	2.5	80	165.70	22,508,688	795,360	3.51
10/9/2002		PID malfunction		80	NC	NC	NC	NC
10/16/2002	1:45 PM	17.0	4.0	80	341.50	46,389,360	1,639,200	7.18
10/24/2002	10:00 AM	16.5	6.4	80	188.25	25,571,880	903,600	3.84
11/1/2002	10:00 AM	21.1	0.0	85	192.00	27,711,360	979,200	5.33
11/6/2002	10:12 AM	PID malfunction		87	NC	NC	NC	NC
11/7/2002	11:00 AM	17.5	0.0	85	24.75	3,572,168	126,225	0.57
11/13/2002	11:30 AM	15.0	0.0	85	144.50	20,855,685	736,950	2.85
11/22/2002	2:30 PM	6.6	0.0	80	219.00	29,748,960	1,051,200	1.79
11/22/2002	system shut-down due to rainy season and low influent readings							
2003								
5/9/2003	10:30 AM	0.1	0.0	82	0.5	69,618	2,460	0.00
5/12/2003	10:30 AM	0.4	0.3	85	72.00	10,391,760	367,200	0.04
5/21/2003	11:00 AM	2.2	2.2	83	216.50	30,512,211	1,078,170	0.61
6/4/2003	10:30 AM	2.5	0.1	82	335.50	46,713,678	1,650,660	1.06
6/10/2003	10:30 AM	2.2	0.08	82	144.00	20,049,984	708,480	0.40
6/16/2003	12:15 PM	2.1	0.07	82	146.25	20,363,265	719,550	0.39
6/24/2003	4:55 PM	2.6	0.08	82	196.75	27,394,683	968,010	0.65
6/30/2003	11:30 AM	2.2	0.1	82	138.50	19,284,186	681,420	0.39
7/16/2003	12:00 PM	2.2	0.22	82	384.50	53,536,242	1,891,740	1.07
7/21/2003	10:50 AM	2.1	0.21	82	119.00	16,569,084	585,480	0.32
7/28/2003	11:15 AM	2.2	0.22	82	168.25	23,426,457	827,790	0.47
8/11/2003	12:15 PM	2.1	0.21	82	337.00	46,922,532	1,658,040	0.90
8/19/2003	10:05 AM	2.1	0.22	82	190.00	26,454,840	934,800	0.51
8/25/2003	11:30 AM	2.2	0.23	81	145.50	20,011,779	707,130	0.40
9/2/2003	10:50 AM	2.1	0.21	80	191.50	26,013,360	919,200	0.50
9/8/2003	2:10 PM	9.1	3.19	83	147.30	20,759,578	733,554	1.72
9/11/2003	10:00 AM	All 4 SVE carbon drums changed-out						
9/22/2003	1:30 PM	7	0.2	88	334.25	49,944,972	1,764,840	3.19

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Date	Time	PID (ppmv)		Flow Rate	Time Elapsed	Air Flow	Air Flow	Mass Removed [1]
		Influent	Effluent	(ft^3/min)	(Hours)	(Liters)	(ft^3)	(Pounds)
2003								
10/1/2003	10:30 AM	6.5	0.2	85	213.00	30,742,290	1,086,300	1.82
10/6/2003	11:00 AM	7	0.3	85	120.50	17,391,765	614,550	1.11
10/13/2003	11:15 AM	5	0.2	85	168.25	24,283,523	858,075	1.11
10/29/2003	10:00 AM	2.4	0	85	382.75	55,242,308	1,952,025	1.21
11/3/2003	11:30 AM	3	0	85	121.50	17,536,095	619,650	0.48
11/10/2003	11:10 AM	3.5	0	85	167.67	24,199,330	855,100	0.77
11/17/2003	1:50 PM	4.1	0	85	170.70	24,637,131	870,570	0.92
11/24/2003	11:00 AM	3.8	0	85	165.20	23,843,316	842,520	0.83
11/24/2003	system shut-down due to rainy season and low influent readings							
2004								
4/5/2004	1:00 PM	5.6	0.11	85	0.5	72165	2550	0.004
4/12/2004	10:30 AM	6.5	0.2	83	165.5	23,324,577	824,190	1.38
4/20/2004	12:00 PM	7.1	0.9	84	193.5	27,599,292	975,240	1.79
4/23/2004	11:00 AM	7.2	2.3	80	71	9,644,640	340,800	0.63
5/3/2004	12:00 PM	7.1	3.4	80	241	32,737,440	1,156,800	2.12
5/5/2004	11:00 PM	All 4 SVE carbon drums changed-out						
5/17/2004	12:00 PM	2.7	0.8	82	336	46,783,296	1,653,120	1.15
5/26/2004	11:00 AM	3.8	0.5	82	215	29,935,740	1,057,800	1.04
6/1/2004	1:00 PM	3.6	0.9	82	146	20,328,456	718,320	0.67
6/7/2004	11:50 AM	3.2	0	82	142.75	19,875,939	702,330	0.58
6/14/2004	11:50 AM	10.9	0	86	168	24,532,704	866,880	2.44
6/21/2004	10:50: AM	13.5	0	83	167	23,535,978	831,660	2.89
6/28/2004	11:50 AM	10.9	0.5	85	169	24,391,770	861,900	2.42
7/2/2004	11:30 AM	8.7	0	85	95.8	13,826,814	488,580	1.10
7/13/2004	2:00 PM	9.1	0.22	85	266.5	38,463,945	1,359,150	3.19
7/21/2004	12:00 PM	8.9	0.5	85	190	27,422,700	969,000	2.22
7/26/2004	11:50 AM	8.5	0.4	85	119.5	17,247,435	609,450	1.34
8/2/2004	11:30 AM	4.9	0.1	85	167.8	24,218,574	855,780	1.08
8/9/2004	11:50 AM	5.6	0.2	85	168.3	24,290,739	858,330	1.24
8/16/2004	12:00 PM	6	0.4	85	168.1	24,261,873	857,310	1.33
8/24/2004	11:50 AM	6.2	1.2	85	191.9	27,696,927	978,690	1.56
8/30/2004	11:30 AM	6	0.4	85	143.66	20,734,448	732,666	1.13
9/7/2004	1:05 PM	5.5	0.8	85	193.5	27,927,855	986,850	1.40
9/13/2004	12:05 PM	5.3	0.9	85	143	20,639,190	729,300	1.00
9/20/2004	11:08 AM	7	2.9	85	167	24,103,110	851,700	1.54
9/27/2004	2:50 PM	6.5	2.1	85	171.75	24,788,678	875,925	1.47

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2004								
10/4/2004	11:30 AM	6.9	3	85	164.55	23,749,502	839,205	1.49
10/13/2004	10:30 AM	6.5	2.9	85	215	31,030,950	1,096,500	1.84
10/18/2004	2:30 PM	6	1.5	85	124	17,896,920	632,400	0.98
10/28/2004	2:00 PM	3.1	0.9	85	239.5	34,567,035	1,221,450	0.98
10/28/2004	system shut-down due to rainy season and low influent readings							
2005								
4/11/2005	system re-started, all four vapor phase carbon drums replaced with new carbon							
4/18/2005	10:50 AM	6.5	0.8	85	167.83	24,223,481	855,953	1.43
4/25/2005	5:30 PM	6	0.7	85	174.33	25,161,626	889,103	1.38
5/4/2005	11:20 AM	0.4	0	85	209.83	30,285,341	1,070,153	0.11
5/9/2005	11:00 AM	1	0.4	85	119.67	17,271,538	610,302	0.16
5/16/2005	10:15 AM	3	0	85	167.25	24,139,193	852,975	0.66
5/23/2005	11:05 AM	0.4	0	90	168.83	25,801,110	911,700	0.09
6/3/2005	3:30 PM	0.2	0	90	268.48	41,029,114	1,449,792	0.07
6/9/2005	3:00 PM	0.2	0	90	143.50	21,929,670	774,900	0.04
6/15/2005	2:15 PM	1	0	85	143.25	20,675,273	730,575	0.19
6/20/2005	12:00 PM	0.6	0	88	117.75	17,594,676	621,720	0.10
6/26/2005	12:00 PM	0.5	0	85	144.00	20,783,520	734,400	0.09
7/7/2005	2:45 PM	0.2	0	90	266.75	40,764,735	1,440,450	0.07
7/11/2005	3:00 PM	0.3	0	90	96.25	14,708,925	519,750	0.04
7/18/2005	1:00 PM	1	0	85	166.00	23,958,780	846,600	0.22
7/25/2005	12:00 PM	1.5	0	87	167.00	24,670,242	871,740	0.34
8/1/2005	1:30 PM	1	0	85	169.50	24,463,935	864,450	0.22
8/8/2005	11:50 AM	0.7	0	80	166.40	22,603,776	798,720	0.14
8/15/2005	1:30 PM	0.9	0	83	169.60	23,902,406	844,608	0.20
8/24/2005	12:00 PM	0.8	0	85	214.50	30,958,785	1,093,950	0.23
8/29/2005	11:45 AM	0.7	0	85	119.75	17,283,518	610,725	0.11
9/6/2005	12:15 PM	0.8	0	85	192.50	27,783,525	981,750	0.20
9/12/2005	12:10 PM	1.2	0	85	144.00	20,783,520	734,400	0.23
9/20/2005	11:30 AM	1.1	0	84	192.60	27,470,923	970,704	0.28

Table 3
Total Mass of Petroleum Hydrocarbons Removed
by the Vapor Extraction System & Historical Operational Data
3609 International Boulevard, Oakland, California

Date	Time	PID (ppmv) Influent	PID (ppmv) Effluent	Flow Rate (ft^3/min)	Time Elapsed (Hours)	Air Flow (Liters)	Air Flow (ft^3)	Mass Removed [1] (Pounds)
2005								
10/6/2005	3:00 PM	all 4 vapor phase carbon drums replaced with new carbon drums						
10/14/2005	3:30 PM	33	5	83	192.5	27,129,795	958,650	8.16
10/17/2005	12:00 PM	33	5	86	68.5	10,002,918	353,460	3.01
10/28/2005	11:00 AM	77	1.5	83	263	37,065,642	1,309,740	26.00
11/1/2005	9:40 AM	33	7	86	94.75	13,836,153	488,910	4.16
11/3/2005	3:30 PM	33	7	87	54	7,977,204	281,880	2.40
11/9/2005	3:15 PM	all 4 vapor phase carbon drums replaced with new carbon drums						
11/14/2005	11:30 AM	0.3	0	89	260	39,291,720	1,388,400	0.11
11/22/2005	2:40 PM	0.8	0	88	195	29,137,680	1,029,600	0.21
11/17/2005-11/23/2005		3 new vapor wells installed onsite						
2006								
1/6/2006	10:00 AM	System shut-down due to rainy conditions						
2/22/2006-3/6/2006		Air Sparge and Additional SVE system installed						
4/8/2006		Existing vacuum eductor, which was built and installed in 2000, was rebuilt. To reduce the noise level, foam was placed around the vacuum eductor to act as a noise suppressant						
4/14/2006	2:00 PM	system re-started, all 4 vapor phase carbon drums replaced with new carbon drums						
4/14/2006	2:30 PM	33	0	85	0.5	72,165	2,550	0.02
5/18/2006	12:00 PM	14	0	87	813.5	120,175,101	4,246,470	15.33
5/31/2006	12:30 PM	15	2	83	312.5	44,041,875	1,556,250	6.02
6/7/2006	10:00 AM	17.7	5.8	85	165.5	23,886,615	844,050	3.85
6/14/2006	10:00 AM	8.2	0	89	168	25,388,496	897,120	1.90
6/19/2006	2:30 PM	220	0	88	124.5	18,603,288	657,360	37.29
6/22/2006	11:00 AM	18	0	85	68.5	9,886,605	349,350	1.62
7/6/2006	2:45 PM	3.2	0	80	339.75	46,151,640	1,630,800	1.35
7/24/2006	2:00 PM	Additional vacuum eductor installed in series with the existing blower						
8/2/2006	11:00 AM	25	0	65	644.25	71,105,873	2,512,575	16.19
8/9/2006	11:30 AM	7.3	3.5	110	168.5	31,472,430	1,112,100	2.09
8/14/2006	12:00 PM	8	2.3	100	120.5	20,460,900	723,000	1.49
8/25/2006	12:30 PM	2	0	100	264.5	44,912,100	1,587,000	0.82
8/28/2006	2:30 PM	2.5	0	110	74.5	13,915,110	491,700	0.32
9/7/2006	2:30 PM	1.4	0	105	240	42,789,600	1,512,000	0.55
9/13/2006	12:45 PM	1.6	0	105	142.25	25,361,753	896,175	0.37
9/22/2006	3:00 PM	1.3	0	115	219.25	42,812,948	1,512,825	0.51
9/27/2006	2:15 PM	5.6	1.1	110	119.25	22,273,515	787,050	1.14
					Total Mass of Petroleum Hydrocarbons Removed =			**886.14**
					Average Daily Removal Rate (pounds / day)=			**0.39**

Notes:
[1] The representative molecular weight of hydrocarbons was assumed to be 150 gram/mole and use
the measured temperature of Vapor (25°C) in converting ppm-v to ppm on mass basis.
[2] System accidentally shut down from main box, readings taken 30 minutes after startup
[3] GAC Replaced
[4] GAC-1 removed, new GAC installed at effluent end
[5] SVE System turned off for rainy season due to low influent concentration
[6] system down, hoses disconnected and GAC moved for replacemen
[7] system down for electrical repair
[8] Carbon change-out of three drums, moved new effluent drum on 10/25/01 to GAC-
[9] system shut-down due to high effluent value
[10] System re-started (since November 21, 2001), installed new 4-55 gallon vapor phase carbon vessels, repaired blowe
[11] System was shut-down due to low influent reading
[12] System was restarted on 6/12/02
[13] System was re-started but no readings were taker

Data for October 28, 2005 based on lab data

NC: Not Calculated
Calculations
Airflow: Flowrate (ft^3/min)* 60 min * Time Elapsed (hrs)* 28.3 liters/ft^3
Mass Removed: Time Elapsed (hrs) * 60 min* Flowrate (ft^3/min)* (28.3 m^3/ft^3)*
(((PID reading * (102 grams TPH-g /mole)* (1 mole / 24.4 L))*(1/1000 m^3)) * (1 lb/454 grams)

FIGURES

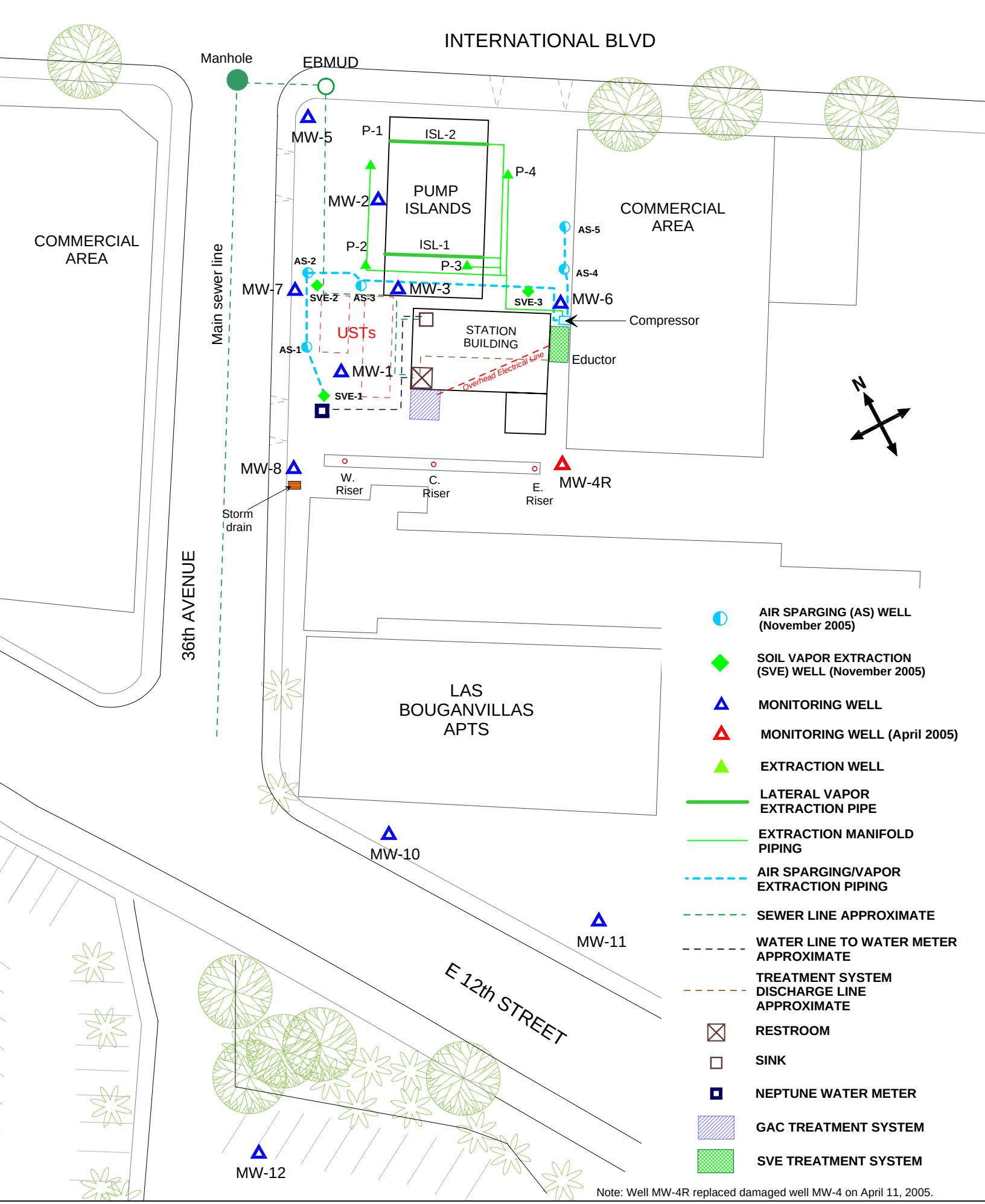
N

approximate scale in feet

0 150 300

Figure 1: Site vicinity map.

ENVIRONMENTAL ENGINEERING, INC.



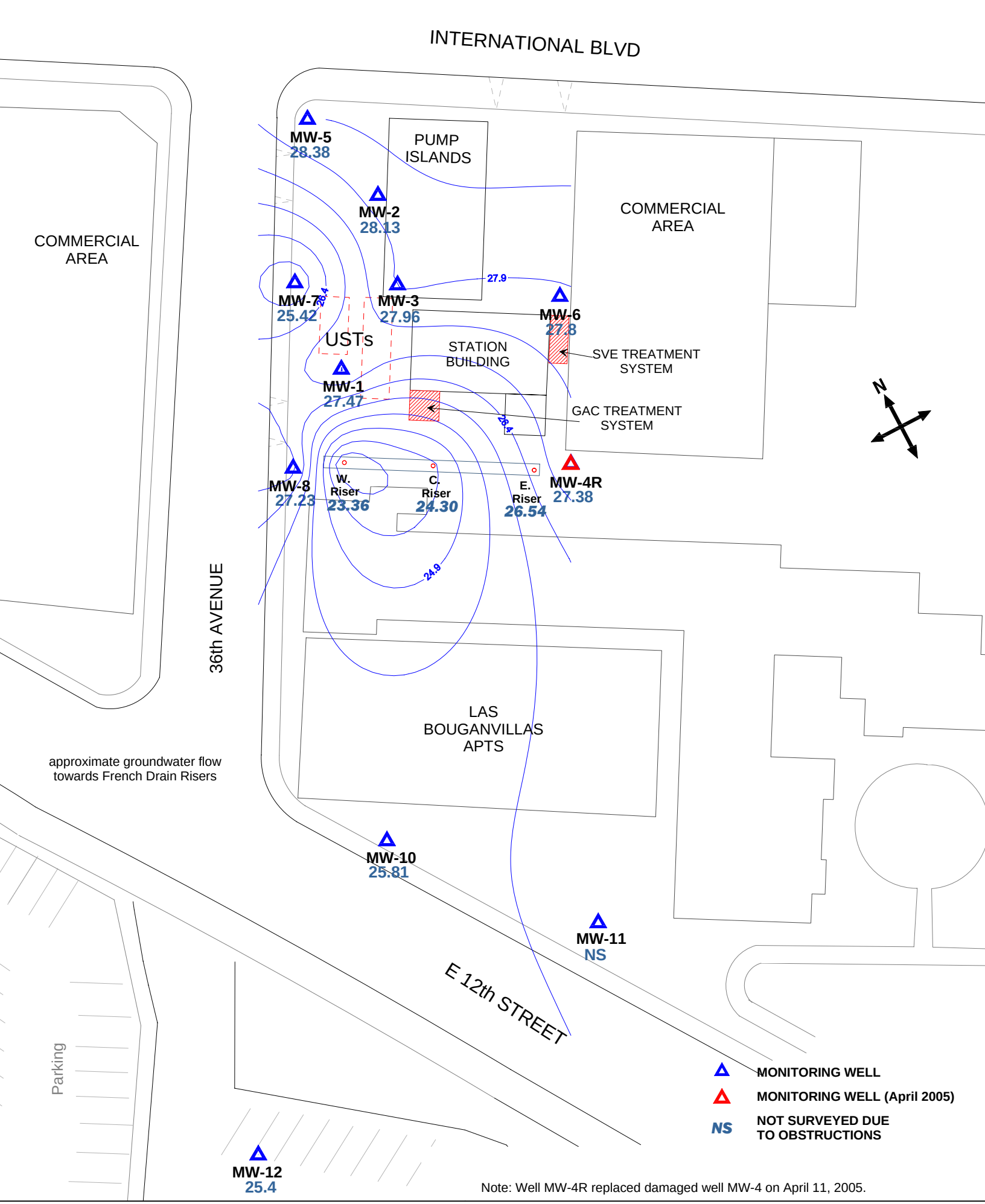
Note: Well MW-4R replaced damaged well MW-4 on April 11, 2005.

approximate scale in feet

0 20 40

Figure 2: Site map showing locations of air sparging wells, groundwater monitoring wells, additional soil vapor wells, GAC system, & SVE system.

ENVIRONMENTAL ENGINEERING, INC.



Note: Well MW-4R replaced damaged well MW-4 on April 11, 2005.

approximate scale in feet

0 20 40

Figure 3: Groundwater elevation contour map in feet. September 7, 2006.

ENVIRONMENTAL ENGINEERING, INC.

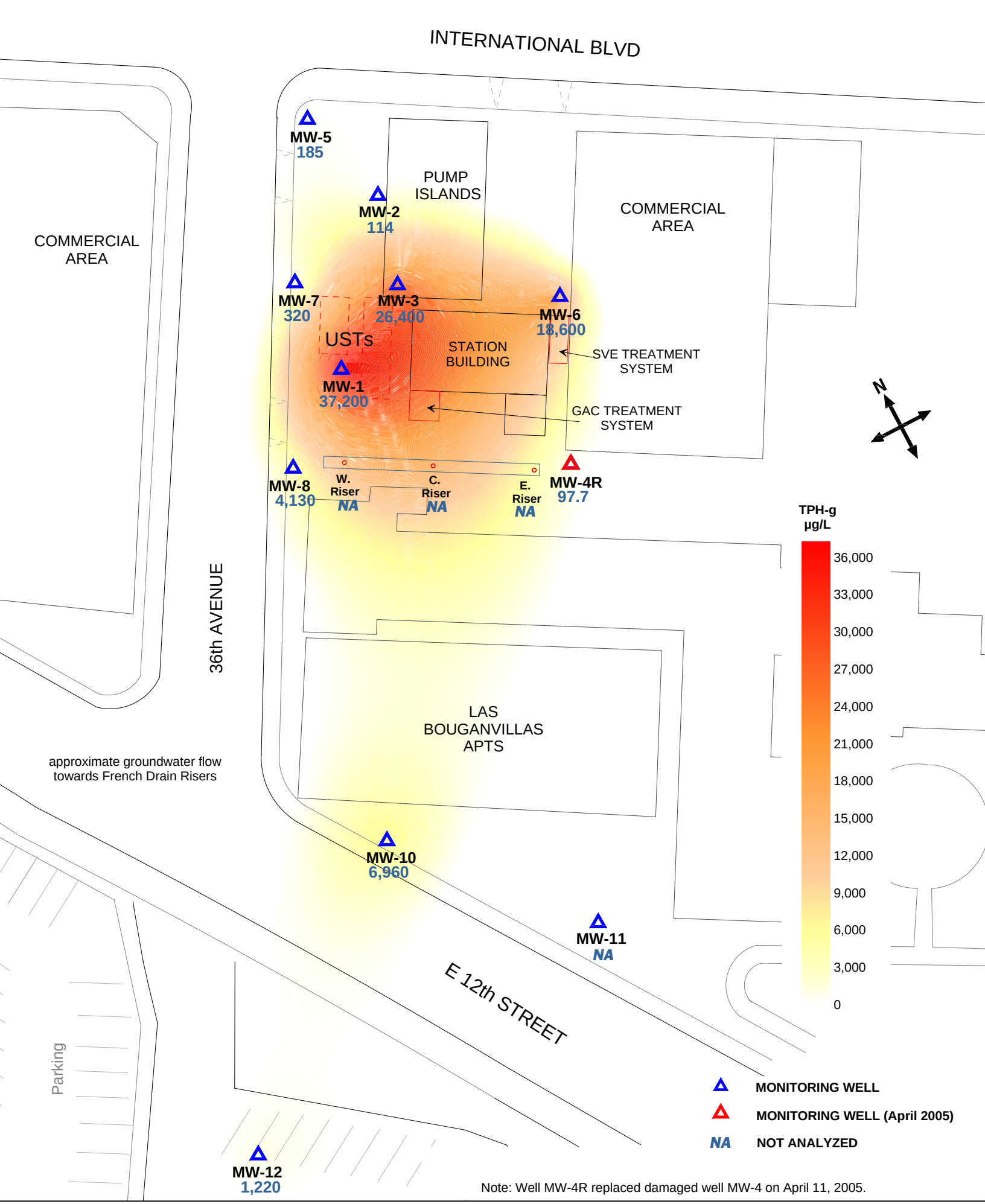
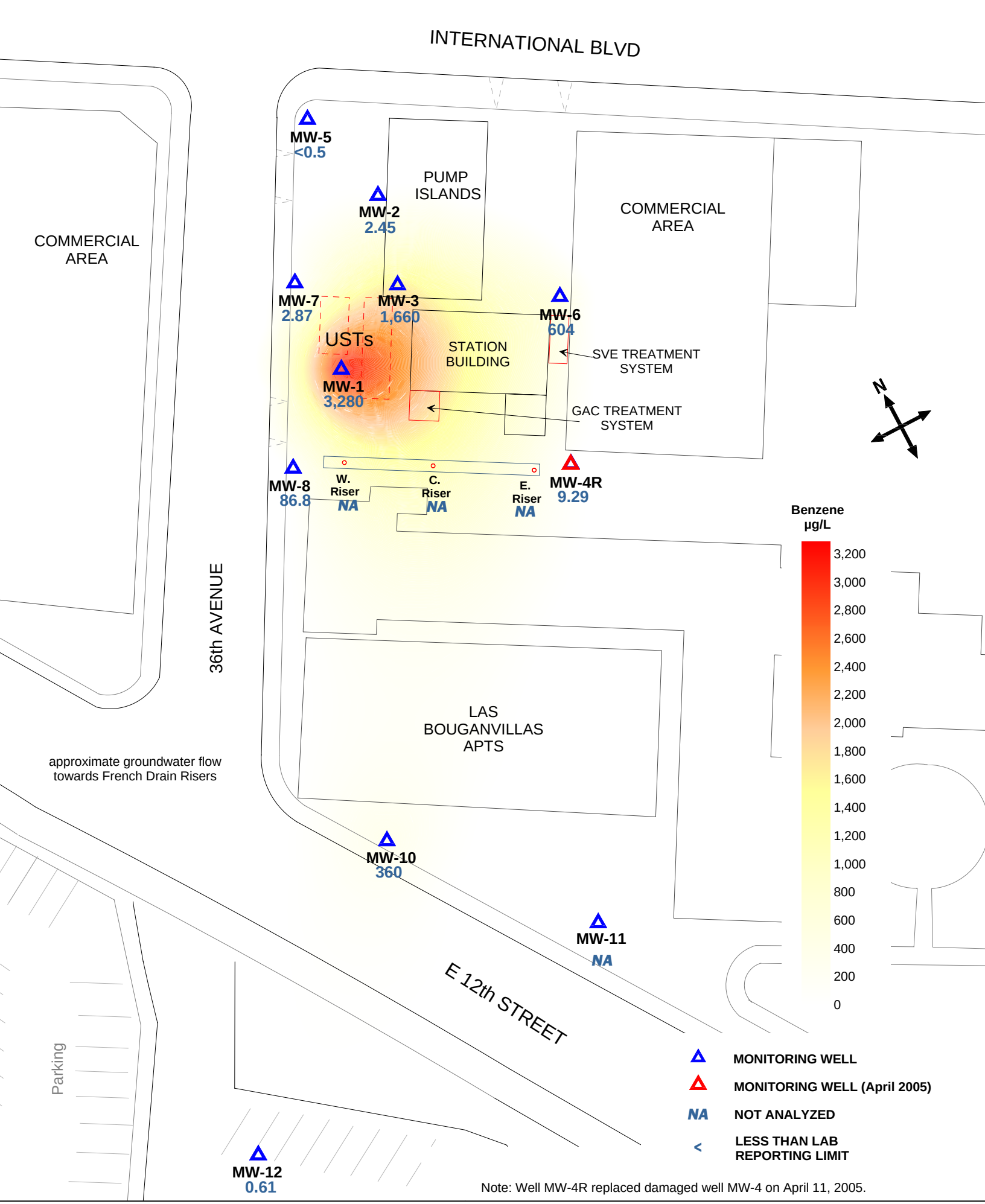


Figure 4: Contour map of TPH-g concentrations in the groundwater.
September 7 & 8, 2006.

ENVIRONMENTAL ENGINEERING, INC.



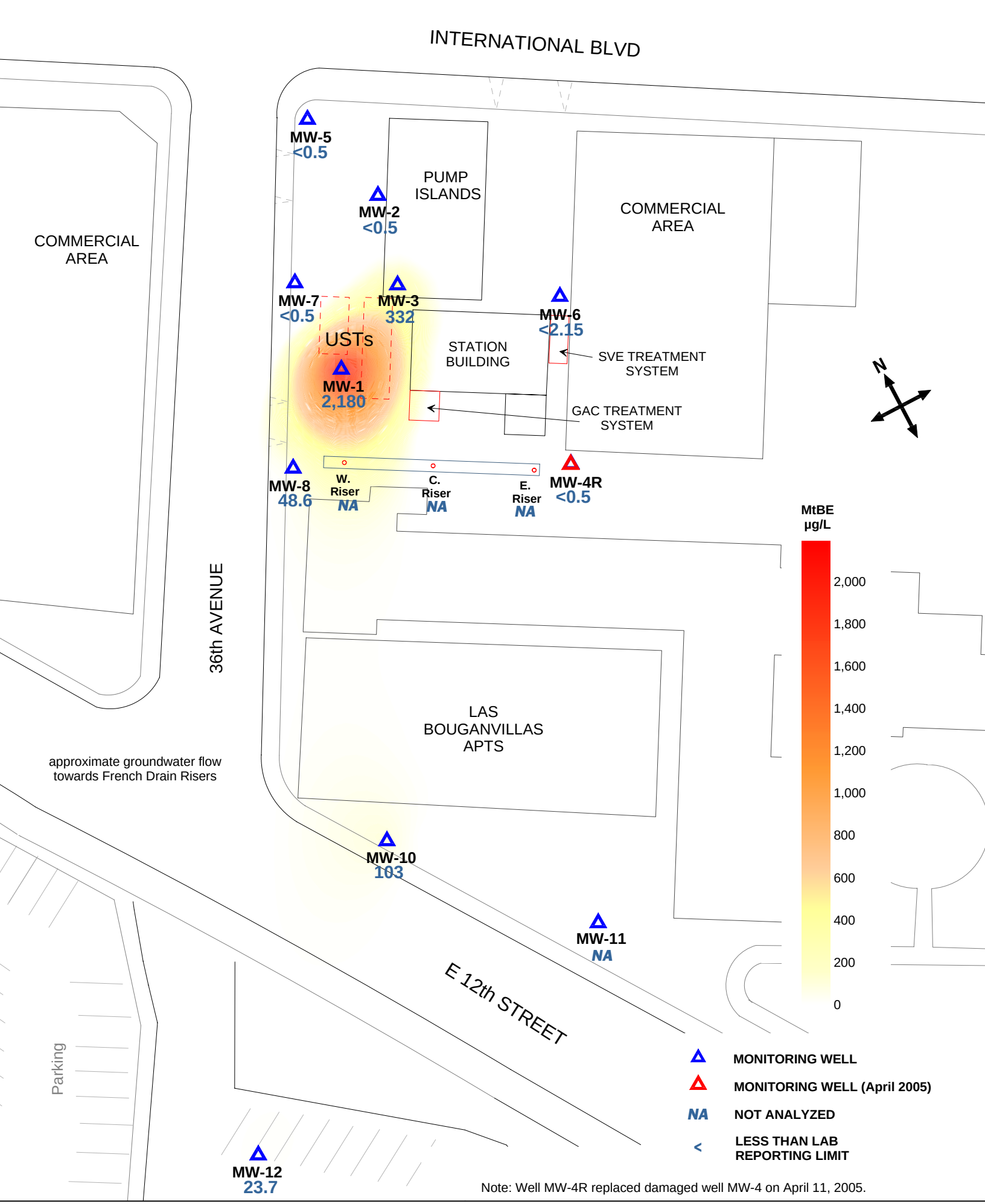
Note: Well MW-4R replaced damaged well MW-4 on April 11, 2005.

approximate scale in feet

0 20 40

Figure 5: Contour map of Benzene concentrations in the groundwater.
September 7 & 8, 2006.

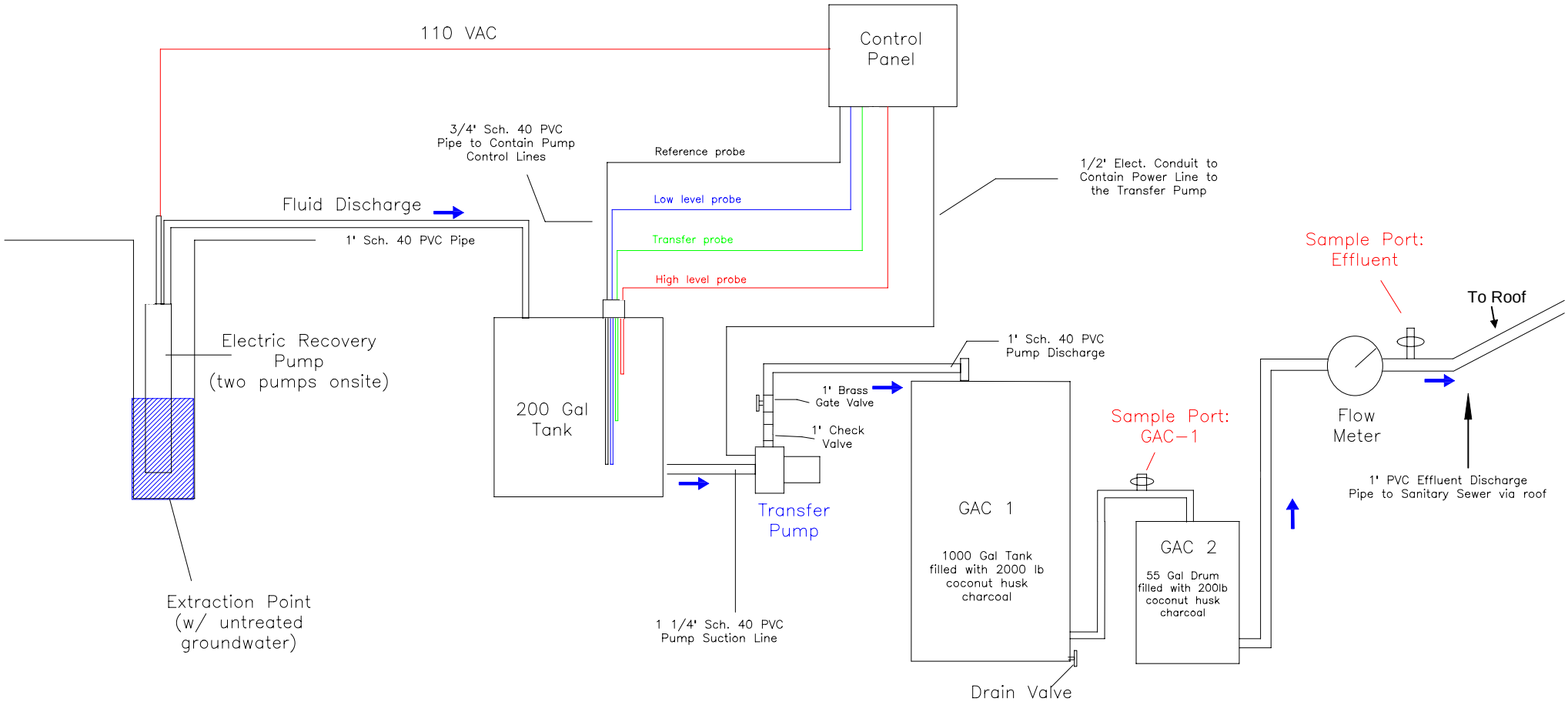
ENVIRONMENTAL ENGINEERING, INC.



Note: Well MW-4R replaced damaged well MW-4 on April 11, 2005.

Figure 6: Contour map of MtBE concentrations in the groundwater. (EPA Method 8260B). September 7 & 8, 2006.

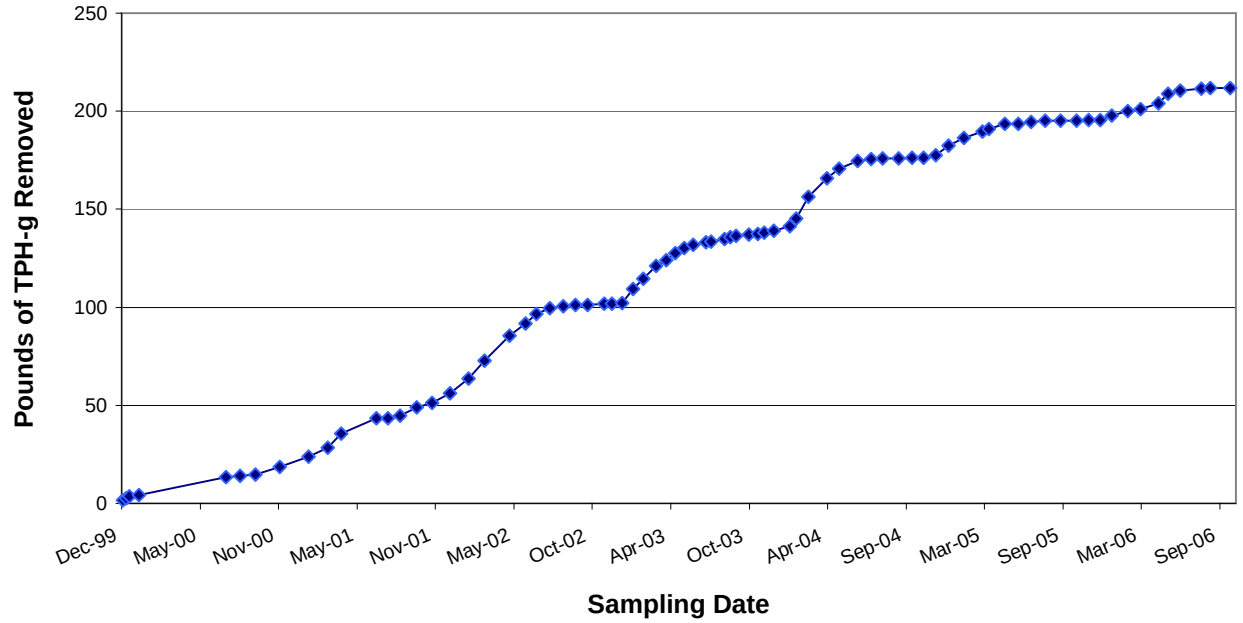
ENVIRONMENTAL ENGINEERING, INC.



(Discharge permit No: 504-27421)
Tony's Express Auto Service. November 14, 2006 permit expires

Figure 7: Schematic of the Groundwater Remediation System.
3609 International Blvd., Oakland, CA

ENVIRONMENTAL ENGINEERING, INC.



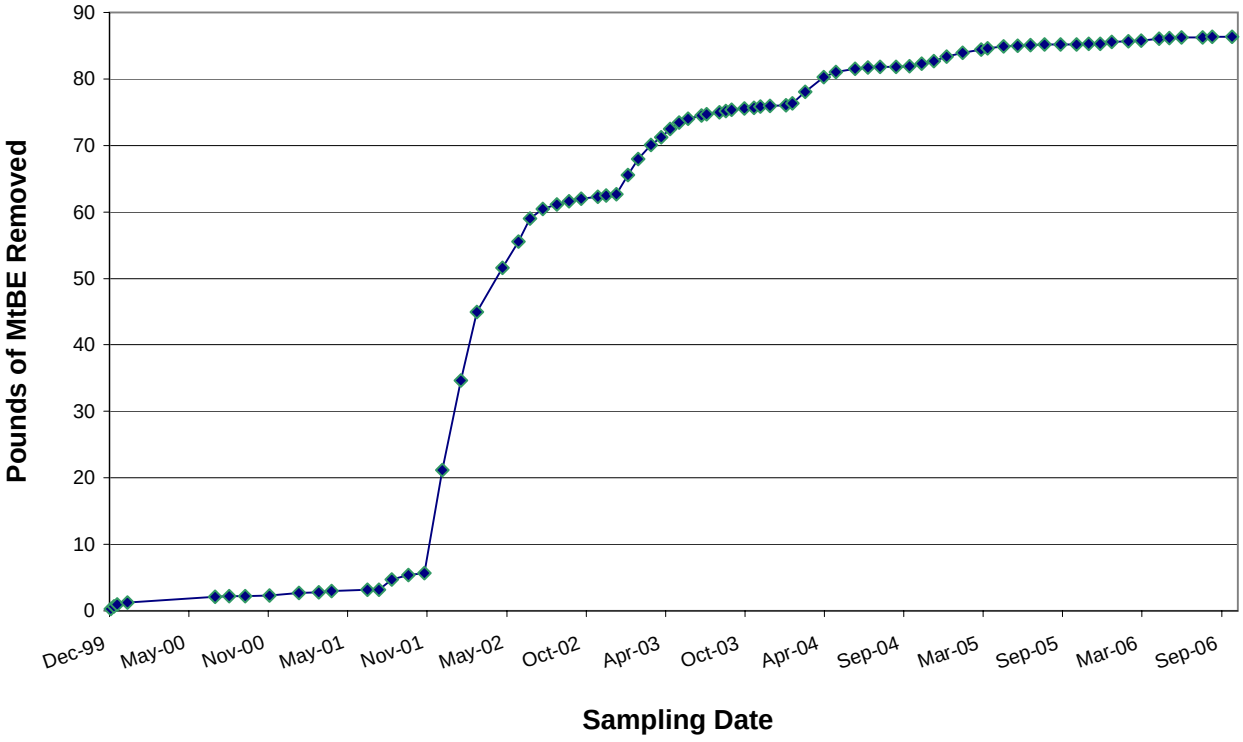


Figure 8. Cumulative mass of TPH-g and MtBE removed from groundwater since the installation of the treatment system.

ENVIRONMENTAL ENGINEERING, INC

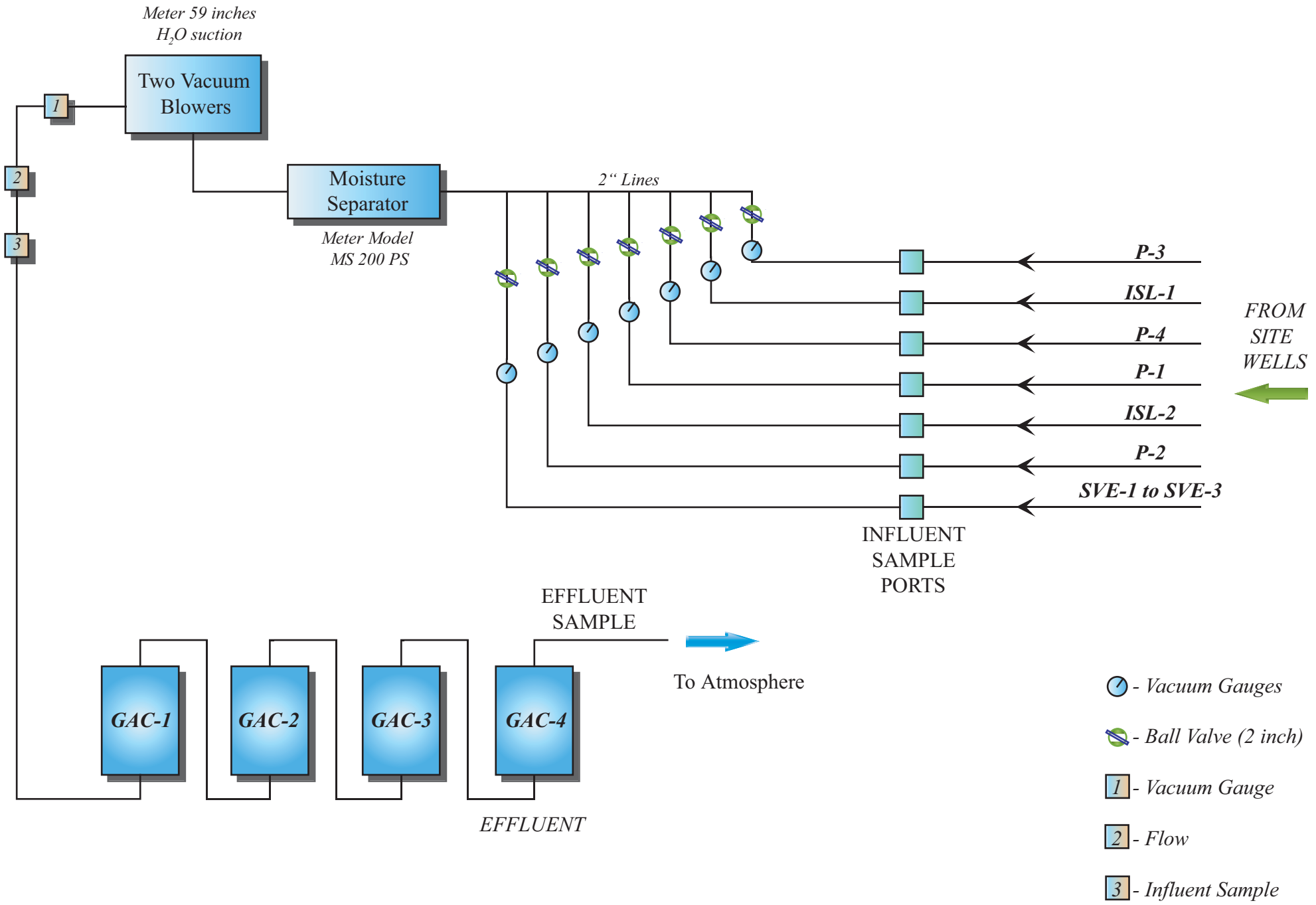


Figure 9: Vapor Extraction System

SOMA ENVIRONMENTAL ENGINEERING, INC.

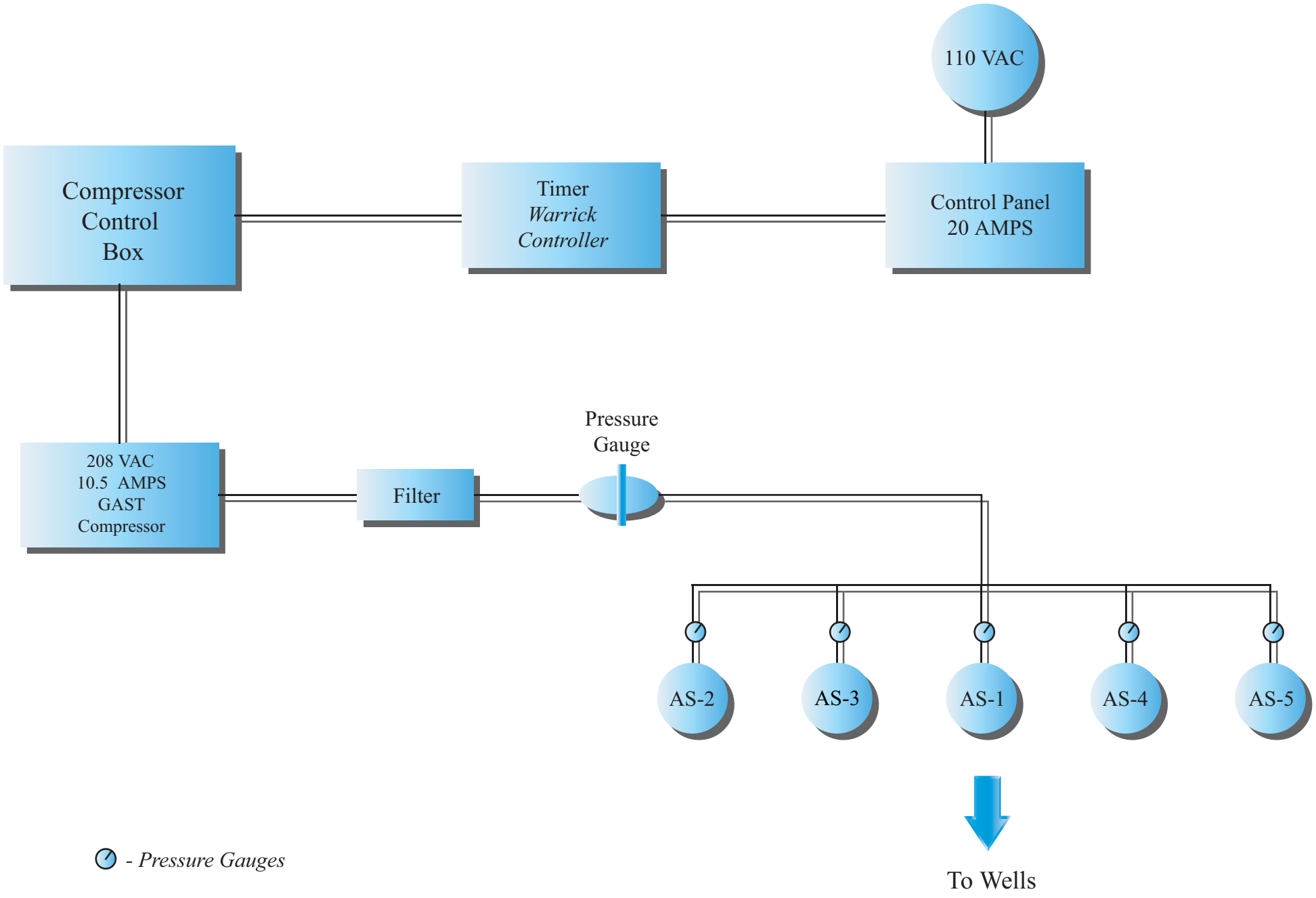


Figure 10: Block diagram of the Air Sparge System

APPENDIX A

SOMA's Groundwater Monitoring Procedures

Field Activities

On September 7, 2006, a total of eight on-site monitoring wells (MW-1 to MW-8), two off-site monitoring wells (MW-10 and MW-12), and three on-site French drain risers were measured for depth to groundwater. On September 7 and 8, 2006, additional field measurements and grab groundwater samples were collected from all of the monitoring wells. This monitoring event was conducted in accordance with the procedures and guidelines of the RWQCB, San Francisco Bay Region.

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

The top of the casing elevation data and the depth to groundwater in each monitoring well and riser were used to calculate the groundwater elevation. Kier and Wright Civil Engineers Surveyors, Inc. surveyed the wells and risers on August 9, 2002. At the time of the survey, monitoring well MW-11 could not be accessed due to obstacles preventing the proper use of surveying equipment; therefore, this well was not surveyed. The top of casing elevations were based on the survey data measured at this time. The elevation data was based on a datum of 14.20 NAVD88. The new survey was conducted to comply with an Electronically Deliverable Format (EDF) request made by the State Water Resources Control Board (SWRCB) Database.

Harrington Surveys, Inc. surveyed the newly installed well MW-4R on April 20, 2005. The elevation data for well MW-4R was referenced from wells MW-5 and MW-7. The survey data measured by Kier and Wright and Harrington Surveys are both presented in Appendix B.

Prior to collecting samples, each well was purged using a battery operated 2-inch diameter pump (Model ES-60 DC). During the purging activities, in order to obtain accurate measurements of groundwater parameters and especially to avoid the intrusion of oxygen from ambient air into the groundwater samples, field measurements were conducted in-situ (i.e., down-hole inside each monitoring well). The groundwater parameters such as DO, pH, temperature, EC, turbidity, and the ORP were measured in-situ using a Horiba, Model U-22 multi-parameter instrument. The equipment was calibrated at the Site using standard solutions and procedures provided by the manufacturer.

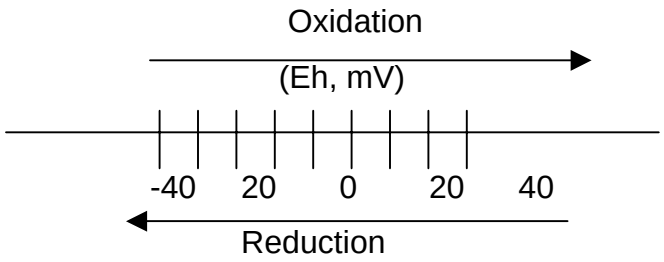
The pH of groundwater has an effect on the activity of microbial populations in the groundwater. The groundwater temperature affects the metabolic activity of

bacteria. The groundwater conductivity (EC) is directly related to the concentration of ions 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 (oxidation reduction potential) 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 m-Volt. 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 O_2 in water is low (9 mg/L at 25 ^{o}C and 11 mg/L at 5 ^{o}C), and because the rate of O_2 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 O_2 in the groundwater is consumed, however, the oxidizing agents (i.e., the constituents that undergo reduction) now become NO^{-}_3, MnO_2, Fe $(OH)_3$, SO_4^{2-} and others (Freeze and Cherry, 1979). As these oxidizing agents are consumed, the groundwater environment becomes more and more reduced. If the process proceeds far enough, the environment may become so strongly reduced that the petroleum hydrocarbons may 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.



The purging of the wells continued until the parameters for DO, pH, temperature, EC, turbidity, and redox stabilized or three casing volumes were purged.

Once stabilization occurred, the groundwater samples were 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} were measured colorimetrically using the Hach Colorimeter Model 890. The Hach Model 890 Colorimeter is 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.

Detailed field measurements are shown in Appendix B.

For sampling purposes, after purging, a disposable polyethylene bailer was used to collect sufficient samples from each monitoring well for laboratory analyses. The groundwater sample was transferred into four 40-mL VOA vials and preserved with hydrochloric acid. The vials were then sealed to prevent development of air bubbles within the headspace. After the groundwater samples were collected, they were placed on ice and maintained at 4°C in a cooler. A chain of custody (COC) form was written and placed along with the samples in the cooler. On September 8, 2006, SOMA's field crew delivered the groundwater samples to Pacific Analytical Laboratory in Alameda, California.

Laboratory Analysis

Pacific Analytical Laboratory, a state certified laboratory, analyzed the groundwater samples for TPH-g, BTEX and MtBE. TPH-g, BTEX, and MtBE was prepared using EPA Method 5030B and measured using EPA Method 8260B.

Appendix B

Table of Elevations & Coordinates on Monitoring Wells
Surveyed by Kier Wright Civil Engineers Surveyors, Inc.
& Harrington Surveys, Inc.,
and
Field Measurements of Physical, Chemical, and
Biodegradation Parameters of Groundwater

JOB# AU2576

TABLE OF ELEVATIONS & COORDINATES ON MONITORING WELLS

SOMA ENVIRONMENTAL

Oakland-E. 14 the St. "International Blvd"

WELL NO.	NORTHING	EASTING	ELEVATION	DESCRIPTION
FD-C	2109299.85	6064039.85	39.35	Notch on north side of PVC
			40.25	Punch north rim of box
FD-E	2109281.13	6064067.87	40.06	Notch on north side of PVC
			40.55	Punch north rim of box
FD-W	2109314.99	6064017.59	39.16	Notch on north side of PVC
			39.95	Punch north rim of box
MW-1	2109338.74	6064025.97	40.11	Notch on north side of PVC
			40.76	Punch north rim of box
MW-2	2109383.20	6064073.06	40.71	Notch on north side of PVC
			41.61	Punch north rim of box
MW-3	2109351.11	6064064.63	40.91	Notch on north side of PVC
			41.68	Punch north rim of box
MW-4	2109278.18	6064076.40	40.01	Notch on north side of PVC
			40.67	Punch north rim of box
MW-5	2109410.84	6064058.46	41.16	Notch on south side of PVC
			41.60	Punch south rim of box
MW-6	2109320.46	6064105.06	40.92	Notch on north side of PVC
			41.52	Punch north rim of box
MW-7	2109368.19	6064025.54	39.94	Notch on north side of PVC
			40.54	Punch north rim of box
MW-8	2109321.68	6064000.46	39.38	Notch on north side of PVC
			39.72	Punch north rim of box

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

DATE: 08/27/02
JOB# A02576

TABLE OF ELEVATIONS & COORDINATES
ON MONITORING WELLS
SOMA ENVIRONMENTAL
Oakland-E. 14 the St. "International Blvd"

WELL NO.	NORTHING	EASTING	ELEVATION	DESCRIPTION
MW-10	2109193.97	6063957.39	36.71	Notch on north side of PVC
			37.70	Punch north rim of box
MW-11	2109125.26	6064007.52	XXXX	NO ELEVATION , BOAT ON TOP
MW-12	2109121.85	6063865.00	36.84	Notch on north side of PVC
			36.87	

Bench mark: NGS Bench mark No.M 554. To reach the station from the intersection of Interstate Highway 880 and Hegenberger Rd in South Oakland go northeast on Hegenberger Rd for 0.5 MI to a side road right Baldwin St. Turn right and go south on Baldwin St for 0.35 MI to a T-intersection, 85th Ave. for 0.1 MI to a side road right, Railroad Ave. Turn right and go south on Railroad Ave. for 0.1 MI to the station on the left, east, side of the road in a large concrete headwall for a culvert.

Elevation = 14.20 NAVD88 Datum

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

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

Harrington Surveys Inc.

Land Surveying & Mapping

2278 Larkey Lane, Walnut Creek, Ca. 94597 Phone (925)935-7228 Fax (925)935-5118
Cell (925)788-7359 E-Mail (ben5132@pacbell.net)

SOMA ENVIRONMENTAL ENGINEERING
2680 BISHOP DR. # 203
SAN RAMON, CA. 94583

MAY 20, 2005

ATTN: ELENA

3609 INTERNATIONAL BLVD.
OAKLAND CA.

SURVEY REPORT

CONTROLING POINTS FRON SURVEY BY KIER & WRIGHT, DATED 08-27-02:

MW-5 NOTCH, CALIFORNIA COORDINATE SYSTEM, ZONE 3. NAD 83.
NORTH 2,109,410.84 - EAST 6,064,058.45, LAT. N37°46'17.42024"
W122°13'18.51054".
ELEVATION 41.06, NAVD 88,

MW-7 NOTCH, CALIFORNIA COORDINATE SYSTEM, ZONE 3,
NORTH 2,109,368.19 - EAST 6,064,025.54. LAT N37°46'30.32592",
W122°13'18.88771"
ELEVATION 39.94 NAVD 88,

INSTRUMENTATION:
TRIMBLE GPS, MODEL 5800 AND LEICA TCA 1800, 1" HORZ. & VERT.
OBSERVATION: EPOCH = 180.

FIELD SURVEY: APRIL 20, 2005.

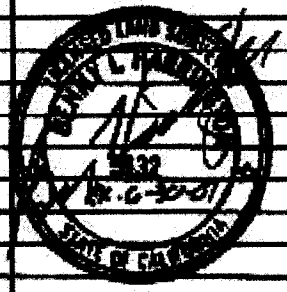
BEN HARRINGTON
PLS 5132

SURVEY REPORT
3600 INTERNATIONAL BLVD
OAKLAND CA.

HARRINGTON SURVEYS INC.
2278 LARKEY LN.
WALNUT CREEK CA. 94597

05\20\05

PT#	NORTH	EAST	ELEV	LATITUDE N.	LONGTIDUDE W.	DESCRIPTION
13	2109276.287	6064078.999	40.34	37°46'30.41532"	122°13'18.24871"	MW-4R NOTCH TOP 2" PVC
14	2109276.63	6064076.962	40.70			MW-4R PUNCH N. RIM
15	2109277.144	6064076.433	40.68			MW-4R PAVINC



ENVIRONMENTAL ENGINEERING, INC

Well No.:	MW-1	Project No.:	2331
Casing Diameter:	2 inches	Address:	3609 International Blvd.
Depth of Well:	30 feet		Oakland, CA
Top of Casing Elevation:	40.11 feet	Date:	9/8/06
Depth to Groundwater:	12.64 feet	Sampler:	Tony PERINI Masoud Marsai
Groundwater Elevation:	27.47 feet		
Water Column Height:	17.36 feet		
Purged Volume:	11 gallons		

Purging Method: Bailer ☐ Pump ■

Sampling Method: Bailer ■ Pump ☐

Color: No ☐ Yes ☑ Describe: Blackish

Sheen: No ☐ Yes ☑ Describe: slight sheen

Odor: No ☐ Yes ☑ Describe: petro odor

Field Measurements:

Time	Vol (gallons)	pH	Temp (°C)	E.C. (µS/cm)	D.O. (mg/L)	Turbidity (NTU)	ORP (mV)	Fe^{+2} (mg/L)	$NO3^{-1}$ (mg/L)	SO_4^{-2} (mg/L)
8:35 AM	started purging well									
8:37 AM	2	6.95	19.70	1120	9.06	28	-21			
8:39 AM	4	6.86	19.50	970	9.47	209	-182			
8:41 AM	7	6.93	19.70	862	9.14	153	-194			
8:45 AM	10	6.89	20.00	912	8.92	135	-190			
8:47 AM	11	DRIED								
8:50 AM	samples							3.30	17.1	0

ENVIRONMENTAL ENGINEERING, INC

Well No.:	MW-2	Project No.:	2331
Casing Diameter:	4 inches	Address:	3609 International Blvd.
Depth of Well:	31 feet		Oakland, CA
Top of Casing Elevation:	40.71 feet	Date:	9/2/06
Depth to Groundwater:	12.58 feet	Sampler:	Tony Perini
Groundwater Elevation:	28.13 feet		Masoud Marsai
Water Column Height:	18.42 feet		
Purged Volume:	22 gallons		

Purging Method: Bailer ☐ Pump ■

Sampling Method: Bailer ■ Pump ☐

Color: No ☑ Yes ☑ Describe: SLHy

Sheen: No ☑ Yes ☐ Describe: _____

Odor: No ☑ Yes ☐ Describe: _____

Field Measurements:

Time	Vol (gallons)	pH	Temp (°C)	E.C. (µS/cm)	D.O. (mg/L)	Turbidity (NTU)	ORP (mV)	Fe^{+2} (mg/L)	$NO3^{-1}$ (mg/L)	SO_4^{-2} (mg/L)
11:15 Am	started purging well									
11:20 Am	5	7.21	19.90	699	9.90	74	53			
11:25 Am	9	7.08	20.00	698	9.87	52	50			
11:30 Am	15	7.04	20.10	695	9.84	138	51			
11:35 Am	22	7.07	19.90	693	9.89	156	48			
11:38 Am	sampled							0.93	35	30

ENVIRONMENTAL ENGINEERING, INC

Well No.:	MW-3	Project No.:	2331
Casing Diameter:	4 inches	Address:	3609 International Blvd.
Depth of Well:	31.50 feet		Oakland, CA
Top of Casing Elevation:	40.91 feet	Date:	9/8/06
Depth to Groundwater:	12.95 feet	Sampler:	Tony Perini
Groundwater Elevation:	27.96 feet		Masoud Marsai
Water Column Height:	18.55 feet		
Purged Volume:	19 gallons		

Purging Method: Bailer ☐ Pump ■

Sampling Method: Bailer ■ Pump ☐

Color: No ☐ Yes ☑ Describe: cloudy

Sheen: No ☑ Yes ☐ Describe:

Odor: No ☐ Yes ☑ Describe: slight petro odor

Field Measurements:

Time	Vol (gallons)	pH	Temp (°C)	E.C. (µS/cm)	D.O. (mg/L)	Turbidity (NTU)	ORP (mV)	Fe^{+2} (mg/L)	$NO3^{-1}$ (mg/L)	SO_4^{-2} (mg/L)
9:03 AM	started purging well									
9:05 AM	2	6.87	19.10	1040	9.44	241	-127			
9:08 AM	7	6.82	19.50	1000	9.21	30	-245			
9:11 AM	12	6.78	19.50	970	9.27	27	-238			
9:15 AM	16	6.80	19.60	990	9.21	139	-185			
9:20 AM	19	6.80	19.50	990	9.23	129	-230			
9:23 AM	sampled							3.30	11	0

ENVIRONMENTAL ENGINEERING, INC

Well No.:	MW-4R	Project No.:	2331
Casing Diameter:	2 inches	Address:	3609 International Blvd.
Depth of Well:	26 feet		Oakland, CA
Top of Casing Elevation:	40.34 feet	Date:	9/7/06
Depth to Groundwater:	12.96 feet	Sampler:	Tom Perini
Groundwater Elevation:	27.38 feet		Masoud Masai
Water Column Height:	13.04 feet		
Purged Volume:	12 gallons		

Purging Method: Bailer ☐ Pump ■

Sampling Method: Bailer ■ Pump ☐

Color: No ☐ Yes ☑ Describe: cloudy

Sheen: No ☑ Yes ☐ Describe:

Odor: No ☑ Yes ☐ Describe:

Field Measurements:

Time	Vol (gallons)	pH	Temp (°C)	E.C. (µS/cm)	D.O. (mg/L)	Turbidity (NTU)	ORP (mV)	Fe^{+2} (mg/L)	$NO3^{-1}$ (mg/L)	SO_4^{-2} (mg/L)
12:45 PM	start to	purging	well							
12:47 PM	2	7.24	20.30	1050	9.64	92	30			
12:49 PM	5	7.05	19.90	660	9.94	130	15			
12:51 PM	9	7.03	19.90	664	9.89	530	25			
12:53 PM	12	7.02	19.80	664	9.90	999	12			
12:55 PM	samples							2.03	35	13

ENVIRONMENTAL ENGINEERING, INC

Well No.:	MW-5	Project No.:	2331
Casing Diameter:	2 inches	Address:	3609 International Blvd.
Depth of Well:	26.25 feet		Oakland, CA
Top of Casing Elevation:	41.16 feet	Date:	9/7/06
Depth to Groundwater:	12.78 feet	Sampler:	Tony Perini
Groundwater Elevation:	28.38 feet		Masoud Mansari
Water Column Height:	13.47 feet		
Purged Volume:	12 gallons		

Purging Method: Bailer ☐ Pump ■

Sampling Method: Bailer ■ Pump ☐

Color: No ☐ Yes ☑ Describe: cloudy

Sheen: No ☑ Yes ☐ Describe:

Odor: No ☑ Yes ☐ Describe:

Field Measurements:

Time	Vol (gallons)	pH	Temp (°C)	E.C. (µS/cm)	D.O. (mg/L)	Turbidity (NTU)	ORP (mV)	Fe^{+2} (mg/L)	$NO3^{-1}$ (mg/L)	SO_4^{-2} (mg/L)
11:53 AM	started		Purging	well						
11:55 AM	2	7.05	20.90	787	9.46	124	65			
11:57 AM	5	7.07	21.00	757	9.37	17	3			
11:59 AM	9	7.06	20.80	752	9.49	12	-102			
12:01 PM	12	7.07	20.80	751	9.51	7				
12:04 PM	Sampled							0.64	0	44

ENVIRONMENTAL ENGINEERING, INC

Well No.:	MW-6	Project No.:	2331
Casing Diameter:	2 inches	Address:	3609 International Blvd.
Depth of Well:	25 feet		Oakland, CA
Top of Casing Elevation:	40.92 feet	Date:	9/8/06
Depth to Groundwater:	13.12 feet	Sampler:	Tony Perini
Groundwater Elevation:	27.80 feet		Masoud Marvasi
Water Column Height:	11.88 feet		
Purged Volume:	9 gallons		

Purging Method: Bailer ☐ Pump ■

Sampling Method: Bailer ■ Pump ☐

Color: No ☐ Yes ☑ Describe: cloudy

Sheen: No ☑ Yes ☐ Describe:

Odor: No ☑ Yes ☐ Describe:

Field Measurements:

Time	Vol (gallons)	pH	Temp (°C)	E.C. (µS/cm)	D.O. (mg/L)	Turbidity (NTU)	ORP (mV)	Fe^{+2} (mg/L)	$NO3^{-1}$ (mg/L)	SO_4^{-2} (mg/L)
9:39 Am	start to purging well									
9:41 Am	2	7.03	18.90	892	9.55	81	-284			
9:43 Am	4	6.90	19.10	743	9.39	257	-298			
9:45 Am	6	6.86	18.90	720	9.46	150	-275			
9:47 Am	9	6.88	18.90	713	9.41	58	-280			
9:50 Am	samples							3.30	24.2	3

ENVIRONMENTAL ENGINEERING, INC

Well No.:	MW-7	Project No.:	2331
Casing Diameter:	2 inches	Address:	3609 International Blvd.
Depth of Well:	26 feet		Oakland, CA
Top of Casing Elevation:	39.94 feet	Date:	9/7/06
Depth to Groundwater:	14.52 feet	Sampler:	Tony Perini
Groundwater Elevation:	25.42 feet		Masoud Marsai
Water Column Height:	11.48 feet		
Purged Volume:	4.5 gallons		

Purging Method: Bailer ☐ Pump ■

Sampling Method: Bailer ■ Pump ☐

Color: No ☐ Yes ☑ Describe: STHy

Sheen: No ☑ Yes ☐ Describe:

Odor: No ☑ Yes ☐ Describe:

Field Measurements:

Time	Vol (gallons)	pH	Temp (°C)	E.C. (µS/cm)	D.O. (mg/L)	Turbidity (NTU)	ORP (mV)	Fe^{+2} (mg/L)	$NO3^{-1}$ (mg/L)	SO_4^{-2} (mg/L)
10:13 AM	started		purging well							
10:15 AM	2	7.33	20.40	688	9.31	62	36			
10:16 AM	3	DRIED			~~9.44~~					
10:18 AM	4	7.30	21.10	699	9.44	999	15			
10:20 AM	4.5	DRIED								
10:22 AM	sampled							1.24	35	48

notes

low recharge rate observed in well
stopped purge cycle after well dries twice

ENVIRONMENTAL ENGINEERING, INC

Well No.:	MW-8	Project No.:	2331
Casing Diameter:	2 inches	Address:	3609 International Blvd.
Depth of Well:	26.50 feet		Oakland, CA
Top of Casing Elevation:	39.38 feet	Date:	9/7/06
Depth to Groundwater:	12.15 feet	Sampler:	Tony Perini
Groundwater Elevation:	27.23 feet		Masoud Marsi
Water Column Height:	14.35 feet		
Purged Volume:	13 gallons		

Purging Method: Bailer ☐ Pump ■

Sampling Method: Bailer ■ Pump ☐

Color: No ☐ Yes ☑ Describe: cloudy

Sheen: No ☑ Yes ☐ Describe:

Odor: No ☒ Yes ☑ Describe: petro odor

Field Measurements:

Time	Vol (gallons)	pH	Temp (°C)	E.C. (µS/cm)	D.O. (mg/L)	Turbidity (NTU)	ORP (mV)	Fe^{+2} (mg/L)	$NO3^{-1}$ (mg/L)	SO_4^{-2} (mg/L)
1:20 PM	Started purging well									
1:22 PM	2	7.37	20.60	679	9.55	200	-42			
1:24 PM	5	7.11	20.30	689	9.80	146	-237			
1:26 PM	8	7.04	20.40	696	9.67	111	-228			
1:28 PM	10	7.06	20.40	714	9.62	226	-205			
1:30 PM	13	7.07	20.30	722	9.15	95	-193			
1:33 PM	Samples							2.49	0	0

ENVIRONMENTAL ENGINEERING, INC

Well No.:	MW-10	**Project No.:**	2331
Casing Diameter:	2 inches	**Address:**	3609 International Blvd.
Depth of Well:	23.40 feet		Oakland, CA
Top of Casing Elevation:	36.71 feet	**Date:**	9/7/06
Depth to Groundwater:	10.90 feet	**Sampler:**	Tony Perini
Groundwater Elevation:	25.81 feet		Mesoud Marsai
Water Column Height:	12.50 feet		
Purged Volume:	11 gallons		

Purging Method: Bailer ☐ Pump ■

Sampling Method: Bailer ■ Pump ☐

Color: No ☑ Yes ☐ **Describe:** _____

Sheen: No ☑ Yes ☐ **Describe:** _____

Odor: No ☑ Yes ☐ **Describe:** _____

Field Measurements:

Time	Vol (gallons)	pH	Temp (°C)	E.C. (µS/cm)	D.O. (mg/L)	Turbidity (NTU)	ORP (mV)	Fe^{+2} (mg/L)	$NO3^{-1}$ (mg/L)	SO_4^{-2} (mg/L)
9:50 AM	start to purging well									
9:52 ~~AM~~ AM	2	7.13	18.60	728	9.82	21	-13			
9:54 AM	5	6.97	19.00	715	9.94	5	-4			
9:56 AM	8	6.93	19.20	723	9.40	3	1			
9:58 AM	11	6.95	19.20	730	9.37	2	6			
10 AM	sampled							0.37	5.8	22

ENVIRONMENTAL ENGINEERING, INC

Well No.:	MW-12	Project No.:	2331
Casing Diameter:	4 inches	Address:	3609 International Blvd.
Depth of Well:	30 feet		Oakland, CA
Top of Casing Elevation:	36.84 feet	Date:	9/7/06
Depth to Groundwater:	11.44 feet	Sampler:	Tony Perini
Groundwater Elevation:	25.40 feet		Masoud Marsai
Water Column Height:	18.56 feet		
Purged Volume:	20 gallons		

Purging Method: Bailer ☐ Pump ■

Sampling Method: Bailer ■ Pump ☐

Color: No ☑ Yes ☐ Describe: _____

Sheen: No ☑ Yes ☐ Describe: _____

Odor: No ☑ Yes ☐ Describe: _____

Field Measurements:

Time	Vol (gallons)	pH	Temp (°C)	E.C. (µS/cm)	D.O. (mg/L)	Turbidity (NTU)	ORP (mV)	Fe^{+2} (mg/L)	$NO3^{-1}$ (mg/L)	SO_4^{-2} (mg/L)
9:20 Am	starting purging well									
9:23 Am	3	7.48	19.10	1130	9.36	8	-77			
9:26 Am	6	6.96	18.90	787	9.39	15	-23			
9:29 Am	11	6.88	18.90	754	9.27	10	-42			
9:32 Am	16	6.87	19.30	747	9.34	5	-64			
9:35 Am	20	6.88	19.20	740	9.25	3	-94			
9:38 Am	sampled							2.29	0.5	0

Appendix C

Chain of Custody Form and Laboratory Report

for the

Third Quarter 2006 Monitoring Event

CHAIN OF CUSTODY FORM

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

PAL Login# 6090005

Project No: 2331	Sampler: ~~John Lohman / Mehran Nowrooz~~ Tony Perini / Masoud Marsai
Project Name: 3609 International Blvd Oakland	Report To: Tony Perini
	Company: SOMA Environmental Engineering, Inc.
Turnaround Time: Standard	Tel: 925-734-6400 Fax: 925-734-6401

Lab No.	Sample ID	Sampling Date/Time: Date	Sampling Date/Time: Time	Matrix: Soil	Matrix: Water	Matrix: Waste	# of Containers	Preservatives: HCL	Preservatives: H_2SO_4	Preservatives: HNO_3	Preservatives: ICE	Field Notes	Analyses/Method: TPHg, BTEX, MtBE 8260B
	MW-1	9/8/06	850 AM		X		4 VOAS	X			X	Grab Sample	X
	MW-2	9/7/06	1138 AM		X		4 VOAS	X			X		X
	MW-3	9/8/06	922 AM		X		4 VOAS	X			X		X
	MW-4R	9/7/06	1225 PM		X		4 VOAS	X			X		X
	MW-5	9/7/06	1204 PM		X		4 VOAS	X			X		X
	MW-6	9/8/06	950 AM		X		4 VOAS	X			X		X
	MW-7	9/7/06	1022 AM		X		4 VOAS	X			X		X
	MW-8	9/7/06	133 PM		X		4 VOAS	X			X		X
	MW-10	9/7/06	10 AM		X		4 VOAS	X			X		X
	~~MW-11~~				~~X~~		~~4 VOAS~~	~~X~~			~~X~~		~~X~~
	MW-12	9/7/06	938 AM		X		4 VOAS	X			X		X

Sampler Remarks:	Relinquished by:	Date/Time:	Received by:	Date/Time:
EDF REQUIRED	Tony Perini	1 PM 9/8/06		

PAL Pacific Analytical Laboratory
851 West Midway Ave. Suite 201
Alameda, CA 94501
Phone (510) 864-0364

25 September 2006

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

RE: 3609 International Blvd., Oakland

Work Order Number: 6090005

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

Sincerely,

Maiid Akhavan
Laboratorv Director

PAL

SOMA Environmental Engineering Inc.	Project: 3609 International Blvd., Oakland	
6620 Owens Drive, Suite A	Project Number: 2331	**Reported:**
Pleasanton CA, 94588	Project Manager: Mansour Sepehr	25-Sep-06 17:06

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-1	6090005-01	Water	08-Sep-06 08:50	08-Sep-06 14:33
MW-2	6090005-02	Water	07-Sep-06 11:38	08-Sep-06 14:33
MW-3	6090005-03	Water	08-Sep-06 09:23	08-Sep-06 14:33
MW-4R	6090005-04	Water	07-Sep-06 12:55	08-Sep-06 14:33
MW-5	6090005-05	Water	07-Sep-06 12:04	08-Sep-06 14:33
MW-6	6090005-06	Water	08-Sep-06 09:50	08-Sep-06 14:33
MW-7	6090005-07	Water	07-Sep-06 10:22	08-Sep-06 14:33
MW-8	6090005-08	Water	07-Sep-06 13:33	08-Sep-06 14:33
MW-10	6090005-09	Water	07-Sep-06 10:00	08-Sep-06 14:33
MW-12	6090005-10	Water	07-Sep-06 09:38	08-Sep-06 14:33

SOMA Environmental Engineering Inc.	Project: 3609 International Blvd., Oakland	
6620 Owens Drive, Suite A	Project Number: 2331	**Reported:**
Pleasanton CA, 94588	Project Manager: Mansour Sepehr	25-Sep-06 17:06

Volatile Organic Compounds by EPA Method 8260B

Pacific Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1 (6090005-01) Water Sampled: 08-Sep-06 08:50 Received: 08-Sep-06 14:33									
Gasoline (C6-C12)	**37200**	1080	ug/l	21.5	BI61301	08-Sep-06	11-Sep-06	EPA 8260B	
Benzene	**3280**	10.8	"	"	"	"	"	"	
Ethylbenzene	**1290**	10.8	"	"	"	"	"	"	
m&p-Xylene	**1880**	21.5	"	"	"	"	"	"	
o-xylene	**805**	10.8	"	"	"	"	"	"	
Toluene	**1460**	43.0	"	"	"	"	"	"	
MTBE	**2180**	10.8	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*98.6 %*		*70-130*	"	"	"	"	
Surrogate: Dibromofluoromethane		*99.6 %*		*70-130*	"	"	"	"	
Surrogate: Perdeuterotoluene		*91.8 %*		*70-130*	"	"	"	"	
MW-2 (6090005-02) Water Sampled: 07-Sep-06 11:38 Received: 08-Sep-06 14:33									
Gasoline (C6-C12)	**114**	50.0	ug/l	1	BI61301	08-Sep-06	11-Sep-06	EPA 8260B	
Benzene	**2.45**	0.500	"	"	"	"	"	"	
Ethylbenzene	**8.62**	0.500	"	"	"	"	"	"	
m&p-Xylene	**5.77**	1.00	"	"	"	"	"	"	
o-xylene	**1.08**	0.500	"	"	"	"	"	"	
Toluene	ND	2.00	"	"	"	"	"	"	
MTBE	ND	0.500	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*94.4 %*		*70-130*	"	"	"	"	
Surrogate: Dibromofluoromethane		*105 %*		*70-130*	"	"	"	"	
Surrogate: Perdeuterotoluene		*87.2 %*		*70-130*	"	"	"	"	
MW-3 (6090005-03) Water Sampled: 08-Sep-06 09:23 Received: 08-Sep-06 14:33									
Gasoline (C6-C12)	**26400**	550	ug/l	11	BI61301	08-Sep-06	11-Sep-06	EPA 8260B	
Benzene	**1660**	5.50	"	"	"	"	"	"	
Ethylbenzene	**933**	5.50	"	"	"	"	"	"	
m&p-Xylene	**1060**	11.0	"	"	"	"	"	"	
o-xylene	**485**	5.50	"	"	"	"	"	"	
Toluene	**381**	22.0	"	"	"	"	"	"	
MTBE	**332**	5.50	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*96.6 %*		*70-130*	"	"	"	"	
Surrogate: Dibromofluoromethane		*97.6 %*		*70-130*	"	"	"	"	
Surrogate: Perdeuterotoluene		*91.6 %*		*70-130*	"	"	"	"	

PAL
PAL

SOMA Environmental Engineering Inc.	Project: 3609 International Blvd., Oakland	
6620 Owens Drive, Suite A	Project Number: 2331	**Reported:**
Pleasanton CA, 94588	Project Manager: Mansour Sepehr	25-Sep-06 17:06

Volatile Organic Compounds by EPA Method 8260B

Pacific Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-4R (6090005-04) Water Sampled: 07-Sep-06 12:55 Received: 08-Sep-06 14:33									
Gasoline (C6-C12)	**97.7**	50.0	ug/l	1	BI61301	08-Sep-06	11-Sep-06	EPA 8260B	
Benzene	**9.29**	0.500	"	"	"	"	"	"	
Ethylbenzene	**4.05**	0.500	"	"	"	"	"	"	
m&p-Xylene	**1.03**	1.00	"	"	"	"	"	"	
o-xylene	ND	0.500	"	"	"	"	"	"	
Toluene	ND	2.00	"	"	"	"	"	"	
MTBE	ND	0.500	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*93.2 %*		*70-130*		"	"	"	
Surrogate: Dibromofluoromethane		*99.6 %*		*70-130*		"	"	"	
Surrogate: Perdeuterotoluene		*90.8 %*		*70-130*		"	"	"	
MW-5 (6090005-05) Water Sampled: 07-Sep-06 12:04 Received: 08-Sep-06 14:33									
Gasoline (C6-C12)	**185**	50.0	ug/l	1	BI61301	08-Sep-06	12-Sep-06	EPA 8260B	
Benzene	ND	0.500	"	"	"	"	"	"	
Ethylbenzene	**2.02**	0.500	"	"	"	"	"	"	
m&p-Xylene	ND	1.00	"	"	"	"	"	"	
o-xylene	ND	0.500	"	"	"	"	"	"	
Toluene	ND	2.00	"	"	"	"	"	"	
MTBE	ND	0.500	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*93.2 %*		*70-130*		"	"	"	
Surrogate: Dibromofluoromethane		*98.6 %*		*70-130*		"	"	"	
Surrogate: Perdeuterotoluene		*93.0 %*		*70-130*		"	"	"	
MW-6 (6090005-06RE1) Water Sampled: 08-Sep-06 09:50 Received: 08-Sep-06 14:33									
Gasoline (C6-C12)	**18600**	100	ug/l	2	BI61301	08-Sep-06	12-Sep-06	EPA 8260B	
Benzene	**604**	2.15	"	4.3	"	"	"	"	
Ethylbenzene	**639**	2.15	"	"	"	"	"	"	
m&p-Xylene	**520**	4.30	"	"	"	"	"	"	
o-xylene	**139**	2.15	"	"	"	"	"	"	
Toluene	**98.8**	8.60	"	"	"	"	"	"	
MTBE	ND	2.15	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*97.4 %*		*70-130*		"	"	"	
Surrogate: Dibromofluoromethane		*94.8 %*		*70-130*		"	"	"	
Surrogate: Perdeuterotoluene		*92.2 %*		*70-130*		"	"	"	

SOMA Environmental Engineering Inc.	Project: 3609 International Blvd., Oakland	
6620 Owens Drive, Suite A	Project Number: 2331	**Reported:**
Pleasanton CA, 94588	Project Manager: Mansour Sepehr	25-Sep-06 17:06

Volatile Organic Compounds by EPA Method 8260B

Pacific Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-7 (6090005-07) Water Sampled: 07-Sep-06 10:22 Received: 08-Sep-06 14:33									
Gasoline (C6-C12)	**320**	50.0	ug/l	1	BI61301	08-Sep-06	12-Sep-06	EPA 8260B	
Benzene	**2.87**	0.500	"	"	"	"	"	"	
Ethylbenzene	**4.76**	0.500	"	"	"	"	"	"	
m&p-Xylene	**1.34**	1.00	"	"	"	"	"	"	
o-xylene	ND	0.500	"	"	"	"	"	"	
Toluene	ND	2.00	"	"	"	"	"	"	
MTBE	ND	0.500	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*96.2 %*		*70-130*		"	"	"	
Surrogate: Dibromofluoromethane		*97.2 %*		*70-130*		"	"	"	
Surrogate: Perdeuterotoluene		*91.0 %*		*70-130*		"	"	"	
MW-8 (6090005-08RE1) Water Sampled: 07-Sep-06 13:33 Received: 08-Sep-06 14:33									
Gasoline (C6-C12)	**4130**	50.0	ug/l	1	BI61301	08-Sep-06	12-Sep-06	EPA 8260B	
Benzene	**86.8**	0.500	"	"	"	"	"	"	
Ethylbenzene	**173**	0.500	"	"	"	"	"	"	
m&p-Xylene	**18.0**	1.00	"	"	"	"	"	"	
o-xylene	**1.73**	0.500	"	"	"	"	"	"	
Toluene	**7.32**	2.00	"	"	"	"	"	"	
MTBE	**48.6**	0.500	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*100 %*		*70-130*		"	"	"	
Surrogate: Dibromofluoromethane		*91.4 %*		*70-130*		"	"	"	
Surrogate: Perdeuterotoluene		*96.0 %*		*70-130*		"	"	"	
MW-10 (6090005-09RE1) Water Sampled: 07-Sep-06 10:00 Received: 08-Sep-06 14:33									
Gasoline (C6-C12)	**6960**	50.0	ug/l	1	BI61301	08-Sep-06	12-Sep-06	EPA 8260B	
Benzene	**360**	2.15	"	4.3	"	"	"	"	
Ethylbenzene	**253**	2.15	"	"	"	"	"	"	
m&p-Xylene	**11.3**	4.30	"	"	"	"	"	"	
o-xylene	ND	2.15	"	"	"	"	"	"	
Toluene	ND	8.60	"	"	"	"	"	"	
MTBE	**103**	2.15	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*106 %*		*70-130*		"	"	"	
Surrogate: Dibromofluoromethane		*87.2 %*		*70-130*		"	"	"	
Surrogate: Perdeuterotoluene		*96.4 %*		*70-130*		"	"	"	

SOMA Environmental Engineering Inc.	Project: 3609 International Blvd., Oakland	
6620 Owens Drive, Suite A	Project Number: 2331	**Reported:**
Pleasanton CA, 94588	Project Manager: Mansour Sepehr	25-Sep-06 17:06

Volatile Organic Compounds by EPA Method 8260B

Pacific Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-12 (6090005-10) Water Sampled: 07-Sep-06 09:38 Received: 08-Sep-06 14:33									
Gasoline (C6-C12)	**1220**	50.0	ug/l	1	BI61301	08-Sep-06	12-Sep-06	EPA 8260B	
Benzene	**0.610**	0.500	"	"	"	"	"	"	
Ethylbenzene	**2.69**	0.500	"	"	"	"	"	"	
m&p-Xylene	ND	1.00	"	"	"	"	"	"	
o-xylene	ND	0.500	"	"	"	"	"	"	
Toluene	ND	2.00	"	"	"	"	"	"	
MTBE	**23.7**	0.500	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*104 %*		*70-130*		"	"	"	
Surrogate: Dibromofluoromethane		*97.6 %*		*70-130*		"	"	"	
Surrogate: Perdeuterotoluene		*93.4 %*		*70-130*		"	"	"	

PAL

SOMA Environmental Engineering Inc.	Project: 3609 International Blvd., Oakland	
6620 Owens Drive, Suite A	Project Number: 2331	**Reported:**
Pleasanton CA, 94588	Project Manager: Mansour Sepehr	25-Sep-06 17:06

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Pacific Analytical Laboratory

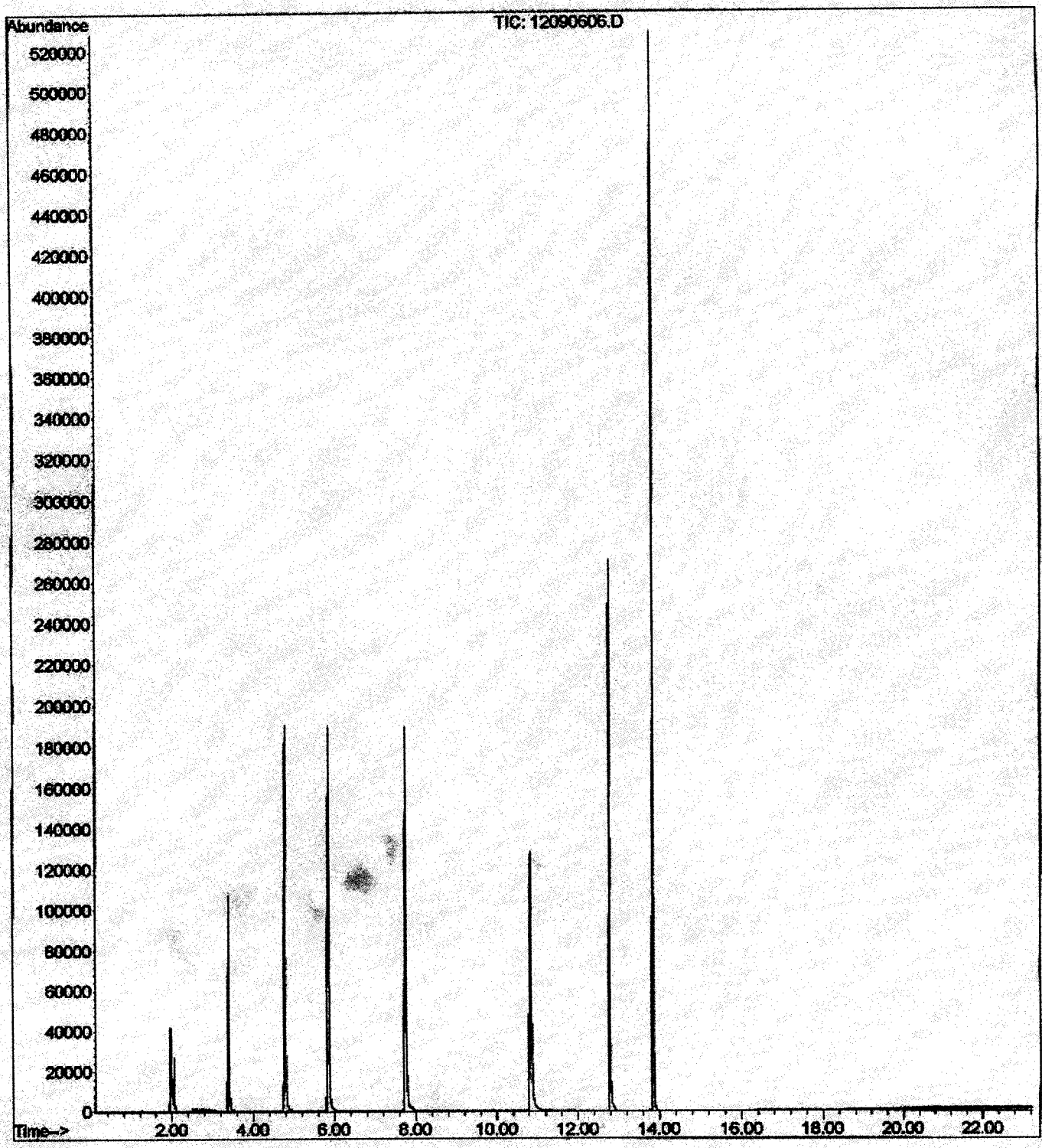
Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BI61301 - EPA 5030 Water MS										
Blank (BI61301-BLK1)				Prepared & Analyzed: 13-Sep-06						
Surrogate: 4-Bromofluorobenzene	*41.6*		*ug/l*	*50.0*		*83.2*	*70-130*			
Surrogate: Dibromofluoromethane	*54.5*		"	*50.0*		*109*	*70-130*			
Surrogate: Perdeuterotoluene	*44.1*		"	*50.0*		*88.2*	*70-130*			
Gasoline (C6-C12)	ND	50.0	"							
Benzene	ND	0.500	"							
Ethylbenzene	ND	0.500	"							
m&p-Xylene	ND	1.00	"							
o-xylene	ND	0.500	"							
Toluene	ND	2.00	"							
MTBE	ND	0.500	"							
LCS (BI61301-BS1)				Prepared & Analyzed: 13-Sep-06						
Surrogate: 4-Bromofluorobenzene	*37.7*		*ug/l*	*50.0*		*75.4*	*70-130*			
Surrogate: Dibromofluoromethane	*47.4*		"	*50.0*		*94.8*	*70-130*			
Surrogate: Perdeuterotoluene	*43.5*		"	*50.0*		*87.0*	*70-130*			
Gasoline (C6-C12)	1780	50.0	"	2000		89.0	70-130			
Benzene	89.8	0.500	"	100		89.8	70-130			
Toluene	93.0	2.00	"	100		93.0	70-130			
MTBE	90.4	0.500	"	100		90.4	70-130			
LCS Dup (BI61301-BSD1)				Prepared & Analyzed: 13-Sep-06						
Surrogate: 4-Bromofluorobenzene	*41.5*		*ug/l*	*50.0*		*83.0*	*70-130*			
Surrogate: Dibromofluoromethane	*44.8*		"	*50.0*		*89.6*	*70-130*			
Surrogate: Perdeuterotoluene	*47.4*		"	*50.0*		*94.8*	*70-130*			
Gasoline (C6-C12)	1760	50.0	"	2000		88.0	70-130	1.13	20	
Benzene	95.1	0.500	"	100		95.1	70-130	5.73	20	
Toluene	100	2.00	"	100		100	70-130	7.25	20	
MTBE	84.0	0.500	"	100		84.0	70-130	7.34	20	

SOMA Environmental Engineering Inc.	Project: 3609 International Blvd., Oakland	
6620 Owens Drive, Suite A	Project Number: 2331	**Reported:**
Pleasanton CA, 94588	Project Manager: Mansour Sepehr	25-Sep-06 17:06

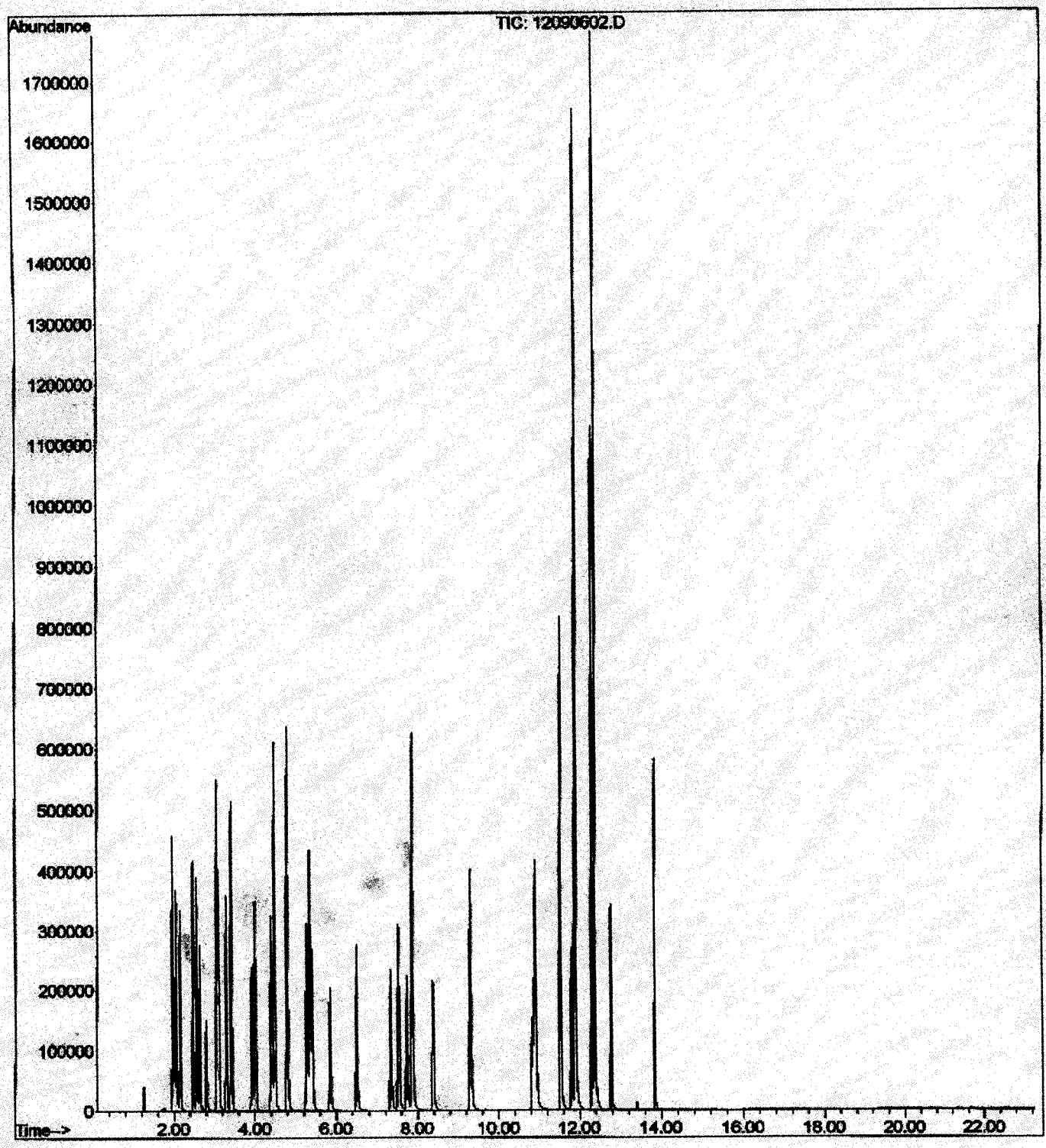
Notes and Definitions

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

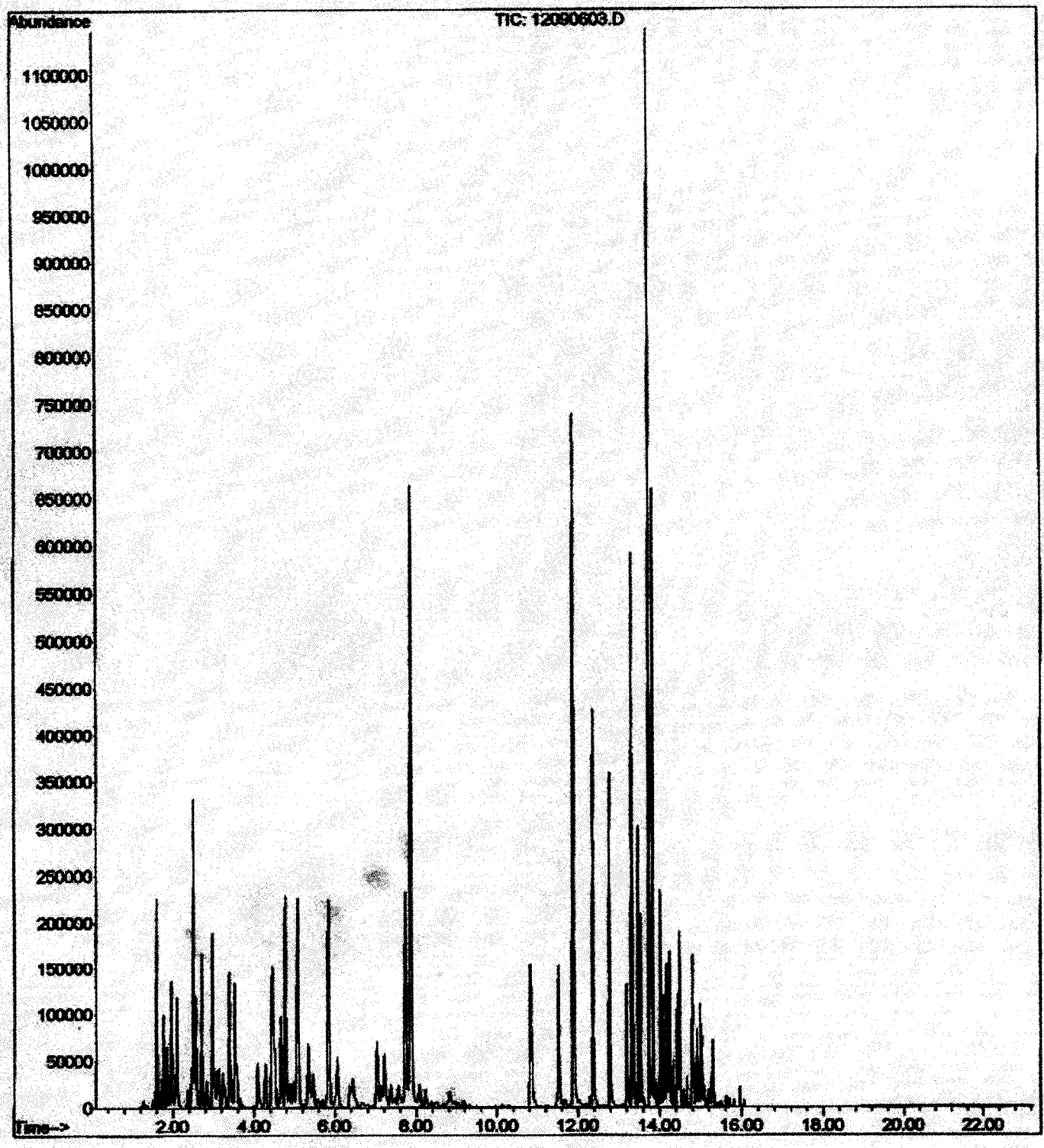
File :C:\MSDChem\1\DATA\2006-Sep-12-0948.b\12090606.D
Operator :
Acquired : 12 Sep 2006 1:00 pm using AcqMethod OXY21506.M
Instrument : PAL GCMS
Sample Name: BI61301-BLK1
Misc Info :
Vial Number: 6



File :C:\MSDChem\1\DATA\2006-Sep-12-0948.b\12090602.D
Operator :
Acquired : 12 Sep 2006 10:37 am using AcqMethod OXY21506.M
Instrument : PAL GCMS
Sample Name: BI61301-BS1@voc
Misc Info :
Vial Number: 2



File :C:\MSDChem\1\DATA\2006-Sep-12-0948.b\12090603.D
Operator :
Acquired : 12 Sep 2006 11:12 am using AcqMethod OXY21506.M
Instrument : PAL GCMS
Sample Name: BI61301-BS1@gas
Misc Info :
Vial Number: 3



Appendix D

Chain of Custody Forms and Laboratory Reports

for the

Groundwater Extraction Treatment System

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

A N A L Y T I C A L R E P O R T

Prepared for:

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

Date: 13-OCT-06
Lab Job Number: 189694
Project ID: 2333
Location: 3609 International Blvd

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 signatures. The results contained in this report meet all requirements of NELAC and pertain only to those samples which were submitted for analysis.

Reviewed by: _____
Project Manager

Reviewed by: _____
Operations Manager

Curtis & Tompkins, Ltd.

CASE NARRATIVE

Laboratory number:	189694
Client:	SOMA Environmental Engineering Inc.
Project:	2333
Location:	3609 International Blvd
Request Date:	09/27/06
Samples Received:	09/27/06

This hardcopy data package contains sample and QC results for three water samples, requested for the above referenced project on 09/27/06. The samples were received intact at ambient temperature.

Volatile Organics by GC/MS (EPA 8260B):
No analytical problems were encountered.

Total Suspended Solids (TSS) (EPA 160.2):
No analytical problems were encountered.

Chemical Oxygen Demand (EPA 410.4):
No analytical problems were encountered.

CHAIN OF CUSTODY

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

C&T LOGIN # 189694

Sampler: Brian Tims

Project No: 2333

Report To: Tony Perini

Project Name: 3609 International Blvd., Oakland

Company : SOMA Environmental

Turnaround Time: Standard

Telephone: 925-244-6600

Fax: 925-244-6601

Analyses

Lab No.	Sample ID.	Sampling Date Time	Matrix: Soil	Water	Waste	# of Containers	Preservative: HCL	H_2SO_4	HNO_3	ICE	TPH-g, BTEX, MtBE 8260B	TSS, CODF
-1	Influent	9/27/06 1:55 PM				3-VOAs					*	
-2	GAC-1	9/27/06 1:40 PM				3-VOAs					*	
-3	PSP#1	9/27/06 1:30 PM				3-VOAs					*	
	~~PSP#1~~					~~1L-Amber~~						~~*~~
	PSP #1	9/27/06 1:30 PM				250 mL						X
	PSP #1	9/27/06 130 PM				250 mL						X

Notes: **EDF OUTPUT REQUIRED**
Grab Sample
Totalizer Reading:

RELINQUISHED BY:	RECEIVED BY:
9/27/06 15:25 DATE/TIME	9/27/06 15:25 DATE/TIME
DATE/TIME	DATE/TIME
DATE/TIME	DATE/TIME

Curtis & Tompkins, Ltd.

Gasoline by GC/MS

Lab #:	189694	Location:	3609 International Blvd
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2333	Analysis:	EPA 8260B
Matrix:	Water	Sampled:	09/27/06
Units:	ug/L	Received:	09/27/06
Batch#:	118188		

Field ID:	INFLUENT	Diln Fac:	7.143
Type:	SAMPLE	Analyzed:	10/07/06
Lab ID:	189694-001		

Analyte	Result	RL
Gasoline C7-C12	990	360
MTBE	170	3.6
Benzene	240	3.6
Toluene	9.4	3.6
Ethylbenzene	37	3.6
m,p-Xylenes	95	3.6
o-Xylene	55	3.6

Surrogate	%REC	Limits
Dibromofluoromethane	98	80-120
1,2-Dichloroethane-d4	88	80-130
Toluene-d8	96	80-120
Bromofluorobenzene	106	80-122

Field ID:	GAC-1	Diln Fac:	1.000
Type:	SAMPLE	Analyzed:	10/06/06
Lab ID:	189694-002		

Analyte	Result	RL
Gasoline C7-C12	ND	50
MTBE	ND	0.50
Benzene	ND	0.50
Toluene	ND	0.50
Ethylbenzene	ND	0.50
m,p-Xylenes	ND	0.50
o-Xylene	ND	0.50

Surrogate	%REC	Limits
Dibromofluoromethane	96	80-120
1,2-Dichloroethane-d4	91	80-130
Toluene-d8	98	80-120
Bromofluorobenzene	104	80-122

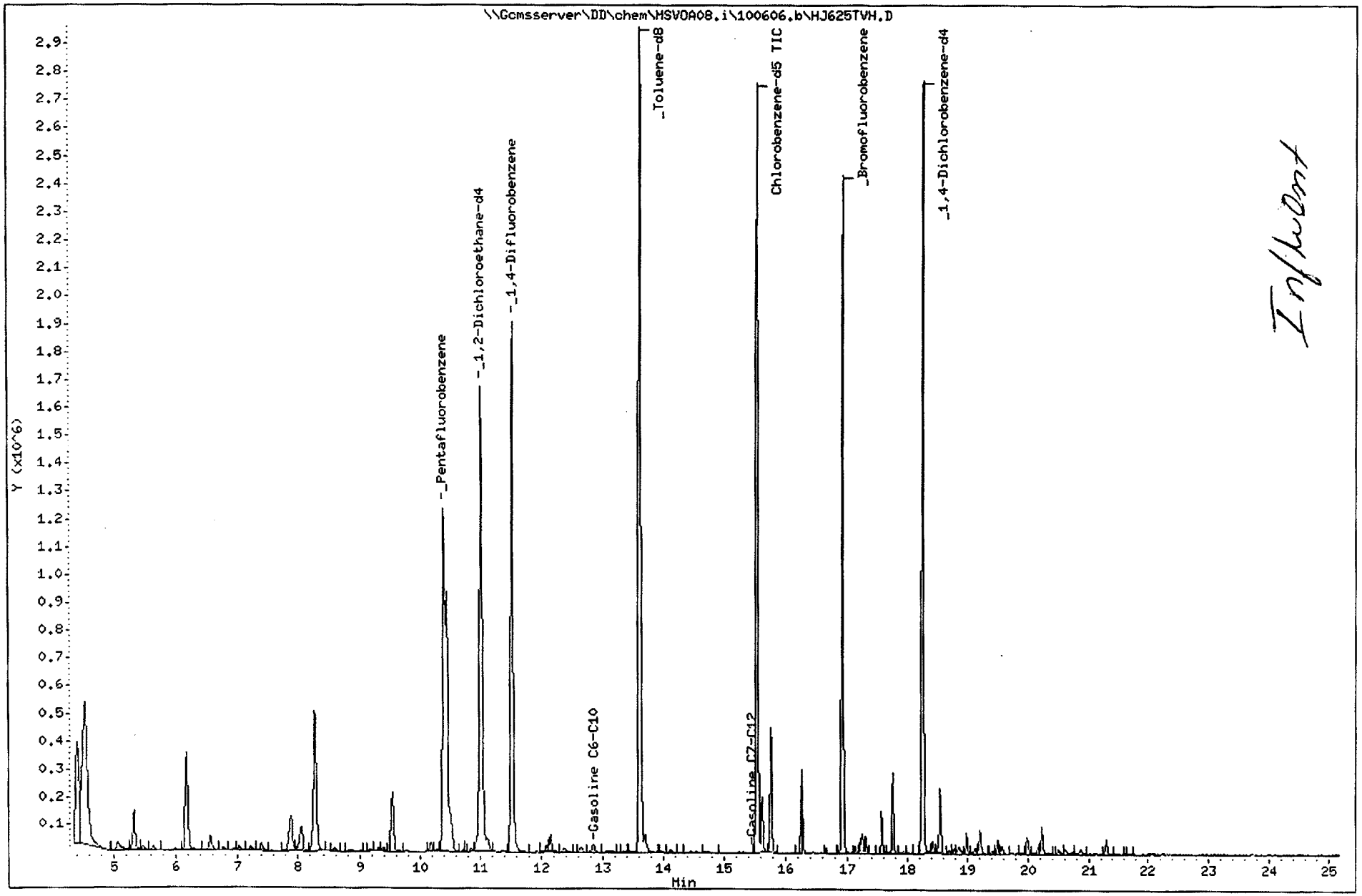
ND= Not Detected
RL= Reporting Limit

Data File: \\Gcmsserver\DD\chem\MSVOA08.i\100606.b\HJ625TVH.D
Date : 07-OCT-2006 00:06
Client ID: DYNA P&T
Sample Info: S,189694-001

Instrument: MSVOA08.i

Operator: BO
Column diameter: 2.00

Column phase:

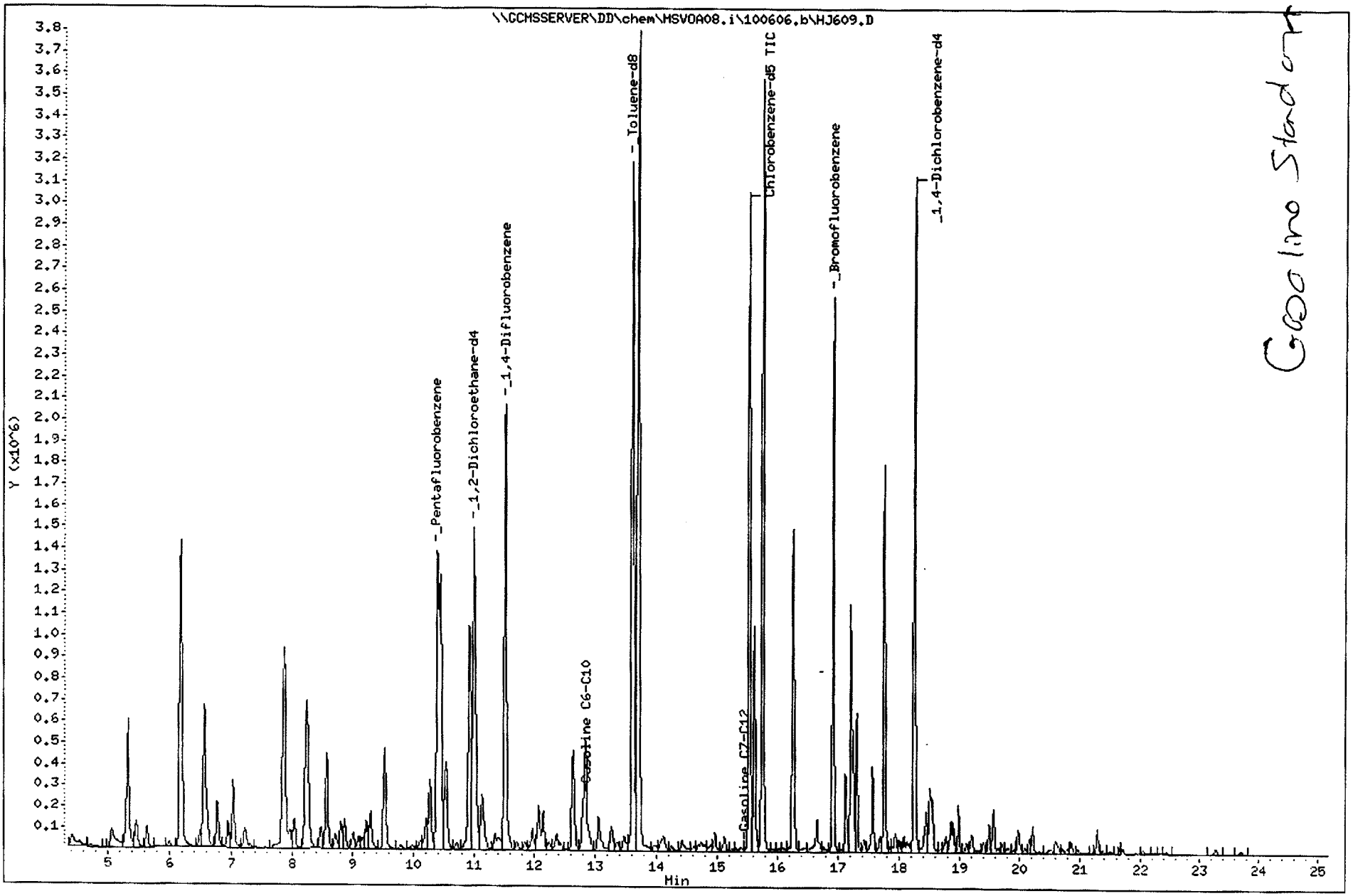


Data File: \\GCMSSERVER\DD\chem\MSVOA08.i\100606.b\HJ609.D
Date : 06-OCT-2006 14:07
Client ID:
Sample Info: CCV,S4120,0.015/100

Instrument: MSVOA08.i

Operator: BO
Column diameter: 2.00

Column phase:



Curtis & Tompkins, Ltd.

Gasoline by GC/MS

Lab #:	189694	Location:	3609 International Blvd
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2333	Analysis:	EPA 8260B
Matrix:	Water	Sampled:	09/27/06
Units:	ug/L	Received:	09/27/06
Batch#:	118188		

Field ID:	PSP#1	Diln Fac:	1.000
Type:	SAMPLE	Analyzed:	10/06/06
Lab ID:	189694-003		

Analyte	Result	RL
Gasoline C7-C12	ND	50
MTBE	ND	0.50
Benzene	ND	0.50
Toluene	ND	0.50
Ethylbenzene	ND	0.50
m,p-Xylenes	ND	0.50
o-Xylene	ND	0.50

Surrogate	%REC	Limits
Dibromofluoromethane	101	80-120
1,2-Dichloroethane-d4	91	80-130
Toluene-d8	98	80-120
Bromofluorobenzene	108	80-122

Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC359254	Analyzed:	10/06/06

Analyte	Result	RL
Gasoline C7-C12	ND	50
MTBE	ND	0.50
Benzene	ND	0.50
Toluene	ND	0.50
Ethylbenzene	ND	0.50
m,p-Xylenes	ND	0.50
o-Xylene	ND	0.50

Surrogate	%REC	Limits
Dibromofluoromethane	91	80-120
1,2-Dichloroethane-d4	84	80-130
Toluene-d8	97	80-120
Bromofluorobenzene	103	80-122

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Gasoline by GC/MS

Lab #:	189694	Location:	3609 International Blvd
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2333	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	118188
Units:	ug/L	Analyzed:	10/06/06
Diln Fac:	1.000		

Type: BS Lab ID: QC359252

Analyte	Spiked	Result	%REC	Limits
MTBE	25.00	21.13	85	72-120
Benzene	25.00	24.63	99	80-120
Toluene	25.00	24.30	97	80-120
Ethylbenzene	25.00	26.42	106	80-120
m,p-Xylenes	50.00	53.42	107	80-121
o-Xylene	25.00	27.38	110	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	93	80-120
1,2-Dichloroethane-d4	81	80-130
Toluene-d8	96	80-120
Bromofluorobenzene	101	80-122

Type: BSD Lab ID: QC359253

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
MTBE	25.00	20.79	83	72-120	2	20
Benzene	25.00	24.62	98	80-120	0	20
Toluene	25.00	24.13	97	80-120	1	20
Ethylbenzene	25.00	25.84	103	80-120	2	20
m,p-Xylenes	50.00	53.27	107	80-121	0	20
o-Xylene	25.00	27.98	112	80-120	2	20

Surrogate	%REC	Limits
Dibromofluoromethane	93	80-120
1,2-Dichloroethane-d4	81	80-130
Toluene-d8	95	80-120
Bromofluorobenzene	101	80-122

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

Gasoline by GC/MS

Lab #:	189694	Location:	3609 International Blvd
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2333	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	118188
Units:	ug/L	Analyzed:	10/06/06
Diln Fac:	1.000		

Type: BS Lab ID: QC359255

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	1,500	1,651	110	70-130

Surrogate	%REC	Limits
Dibromofluoromethane	92	80-120
1,2-Dichloroethane-d4	84	80-130
Toluene-d8	94	80-120
Bromofluorobenzene	102	80-122

Type: BSD Lab ID: QC359256

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	1,500	1,582	105	70-130	4	20

Surrogate	%REC	Limits
Dibromofluoromethane	91	80-120
1,2-Dichloroethane-d4	82	80-130
Toluene-d8	94	80-120
Bromofluorobenzene	103	80-122

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Chemical Oxygen Demand

Lab #:	189694	Location:	3609 International Blvd
Client:	SOMA Environmental Engineering Inc.	Prep:	METHOD
Project#:	2333	Analysis:	SM 5220D
Analyte:	COD (Filtered)	Batch#:	118078
Field ID:	PSP#1	Sampled:	09/27/06 13:30
Matrix:	Water	Received:	09/27/06
Units:	mg/L	Analyzed:	10/03/06 00:00
Diln Fac:	1.000		

Type	Lab ID	Result	RL
SAMPLE	189694-003	14	10
BLANK	QC358782	ND	10

ND= Not Detected
RL= Reporting Limit

4.0

Curtis & Tompkins, Ltd.

Batch QC Report

Chemical Oxygen Demand

Lab #:	189694	Location:	3609 International Blvd
Client:	SOMA Environmental Engineering Inc.	Prep:	METHOD
Project#:	2333	Analysis:	SM 5220D
Analyte:	COD (Filtered)	Diln Fac:	1.000
Field ID:	PSP#1	Batch#:	118078
MSS Lab ID:	189694-003	Sampled:	09/27/06 13:30
Matrix:	Water	Received:	09/27/06
Units:	mg/L	Analyzed:	10/03/06 00:00

Type	Lab ID	MSS Result	Spiked	Result	%REC	Limits	RPD	Lim
LCS	QC358783		80.00	77.78	97	80-120		
MS	QC358784	13.61	80.00	81.67	85	80-120		
MSD	QC358785		80.00	77.78	80	80-120	5	20

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Total Suspended Solids (TSS)

Lab #:	189694	Location:	3609 International Blvd
Client:	SOMA Environmental Engineering Inc.	Prep:	METHOD
Project#:	2333	Analysis:	EPA 160.2
Analyte:	Total Suspended Solids	Batch#:	117975
Field ID:	PSP#1	Sampled:	09/27/06
Matrix:	Water	Received:	09/27/06
Units:	mg/L	Analyzed:	09/29/06
Diln Fac:	1.000		

Type	Lab ID	Result	RL
SAMPLE	189694-003	ND	5
BLANK	QC358345	ND	5

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

Total Suspended Solids (TSS)

Lab #:	189694	Location:	3609 International Blvd
Client:	SOMA Environmental Engineering Inc.	Prep:	METHOD
Project#:	2333	Analysis:	EPA 160.2
Analyte:	Total Suspended Solids	Diln Fac:	1.000
Field ID:	ZZZZZZZZZZ	Batch#:	117975
MSS Lab ID:	189690-001	Sampled:	09/27/06
Matrix:	Water	Received:	09/27/06
Units:	mg/L	Analyzed:	09/29/06

Type	Lab ID	MSS Result	Spiked	Result	RL	%REC	Limits	RPD	Lim
BS	QC358346		50.00	48.00		96	80-120		
BSD	QC358347		50.00	53.00		106	80-120	10	20
SDUP	QC358348	13.00		16.00	5.000			21	31
SSPIKE	QC358349	13.00	50.00	63.00		100	46-152		

RL= Reporting Limit
RPD= Relative Percent Difference

CHAIN OF CUSTODY FORM

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

PAL Login# 6080009

Project No: 2333				Sampler: Brian Tims										Analyses/Method						
Project Name: 3609 International Blvd. Oakland				Report To: Tony Perini										TPHg, BTEX, MBE 8260B						
				Company: SOMA Environmental Engineering, Inc.																
Turnaround Time: Standard				Tel: 925-734-6400 Fax: 925-734-6401																
		Sampling Date/Time		Matrix			# of Containers	Preservatives												
Lab No.	Sample ID	Date	Time	Soil	Water	Waste		HCL	H_2SO_4	HNO_3	ICE	Field Notes								
	Influent	8/14/06	10:40AM		*		3-VOAs	*			*	Grab Sample		*						
	GAC-1	8/14/06	10:30AM		*		3-VOAs	*			*	Grab Sample		*						
	PSP-1	8/14/06	10:20AM		*		3-VOAs	*			*	Grab Sample		*						

Sampler Remarks:	Relinquished by:	Date/Time:	Received by:	Date/Time:
EDF Output Required	[signature]	8/14/06 12:15PM	James Zuniga	8/14/06 12:15PM

PAL Pacific Analytical Laboratory
851 West Midway Ave. Suite 201
Alameda, CA 94501
Phone (510) 864-0364

22 August 2006

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

RE: 3609 International Blvd, Oakland

Work Order Number: 6080009

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

Sincerely,

Maiid Akhavan
Laboratorv Director

SOMA Environmental Engineering Inc.	Project: 3609 International Blvd, Oakland	
6620 Owens Drive, Suite A	Project Number: 2333	**Reported:**
Pleasanton CA, 94588	Project Manager: Mansour Sepehr	22-Aug-06 10:37

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Influent	6080009-01	Water	14-Aug-06 10:40	14-Aug-06 13:15
GAC-1	6080009-02	Water	14-Aug-06 10:30	14-Aug-06 13:15
Effluent	6080009-03	Water	14-Aug-06 10:20	14-Aug-06 13:15

PAL

SOMA Environmental Engineering Inc.	Project: 3609 International Blvd, Oakland	
6620 Owens Drive, Suite A	Project Number: 2333	**Reported:**
Pleasanton CA, 94588	Project Manager: Mansour Sepehr	22-Aug-06 10:37

Volatile Organic Compounds by EPA Method 8260B

Pacific Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Influent (6080009-01RE1) Water Sampled: 14-Aug-06 10:40 Received: 14-Aug-06 13:15									
Gasoline (C6-C12)	**2360**	100	ug/l	2	BH61801	14-Aug-06	17-Aug-06	EPA 8260B	
Benzene	**326**	1.00	"	"	"	"	"	"	
Ethylbenzene	**86.1**	1.00	"	"	"	"	"	"	
m&p-Xylene	**133**	2.00	"	"	"	"	"	"	
o-xylene	**83.6**	1.00	"	"	"	"	"	"	
Toluene	**15.3**	4.00	"	"	"	"	"	"	
MTBE	**164**	1.00	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*101 %*		*70-130*	"	"	"	"	
Surrogate: Dibromofluoromethane		*98.2 %*		*70-130*	"	"	"	"	
Surrogate: Perdeuterotoluene		*97.4 %*		*70-130*	"	"	"	"	
GAC-1 (6080009-02) Water Sampled: 14-Aug-06 10:30 Received: 14-Aug-06 13:15									
Gasoline (C6-C12)	ND	50.0	ug/l	1	BH61801	14-Aug-06	16-Aug-06	EPA 8260B	
Benzene	ND	0.500	"	"	"	"	"	"	
Ethylbenzene	ND	0.500	"	"	"	"	"	"	
m&p-Xylene	ND	1.00	"	"	"	"	"	"	
o-xylene	ND	0.500	"	"	"	"	"	"	
Toluene	ND	2.00	"	"	"	"	"	"	
MTBE	ND	0.500	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*120 %*		*70-130*	"	"	"	"	
Surrogate: Dibromofluoromethane		*120 %*		*70-130*	"	"	"	"	
Surrogate: Perdeuterotoluene		*112 %*		*70-130*	"	"	"	"	
Effluent (6080009-03) Water Sampled: 14-Aug-06 10:20 Received: 14-Aug-06 13:15									
Gasoline (C6-C12)	ND	50.0	ug/l	1	BH61801	14-Aug-06	16-Aug-06	EPA 8260B	
Benzene	ND	0.500	"	"	"	"	"	"	
Ethylbenzene	ND	0.500	"	"	"	"	"	"	
m&p-Xylene	ND	1.00	"	"	"	"	"	"	
o-xylene	ND	0.500	"	"	"	"	"	"	
Toluene	ND	2.00	"	"	"	"	"	"	
MTBE	ND	0.500	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*120 %*		*70-130*	"	"	"	"	
Surrogate: Dibromofluoromethane		*122 %*		*70-130*	"	"	"	"	
Surrogate: Perdeuterotoluene		*112 %*		*70-130*	"	"	"	"	

Pacific Analytical Laboratory

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

PAL

SOMA Environmental Engineering Inc.	Project: 3609 International Blvd, Oakland	
6620 Owens Drive, Suite A	Project Number: 2333	**Reported:**
Pleasanton CA, 94588	Project Manager: Mansour Sepehr	22-Aug-06 10:37

Volatile Organic Compounds by EPA Method 8260B

Pacific Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

PAL
PAL

SOMA Environmental Engineering Inc.	Project: 3609 International Blvd, Oakland	
6620 Owens Drive, Suite A	Project Number: 2333	**Reported:**
Pleasanton CA, 94588	Project Manager: Mansour Sepehr	22-Aug-06 10:37

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Pacific Analytical Laboratory

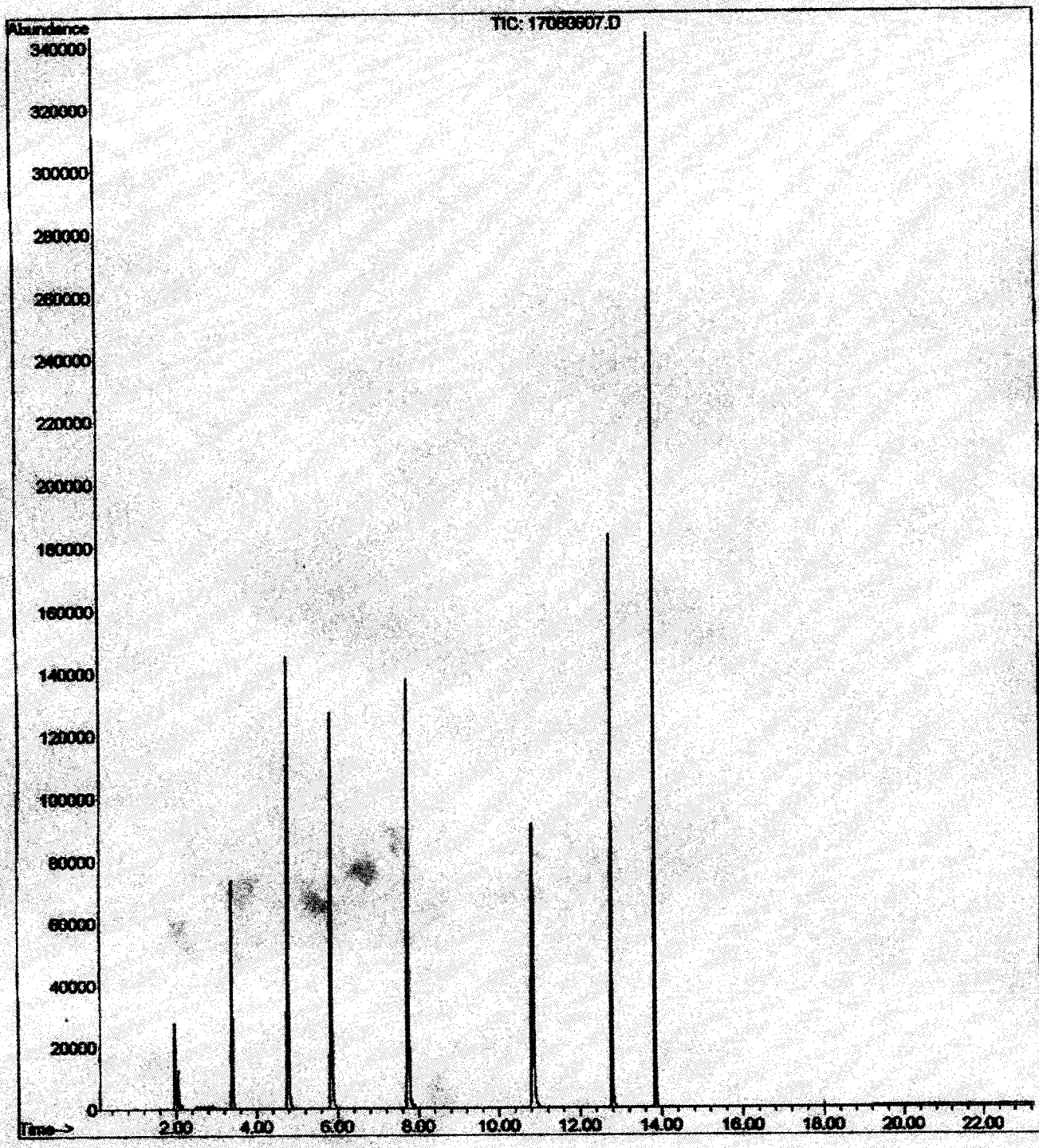
Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BH61801 - EPA 5030 Water MS										
Blank (BH61801-BLK1)				Prepared & Analyzed: 18-Aug-06						
Surrogate: 4-Bromofluorobenzene	*43.4*		*ug/l*	*50.0*		*86.8*	*70-130*			
Surrogate: Dibromofluoromethane	*50.6*		"	*50.0*		*101*	*70-130*			
Surrogate: Perdeuterotoluene	*46.2*		"	*50.0*		*92.4*	*70-130*			
Gasoline (C6-C12)	ND	50.0	"							
Benzene	ND	0.500	"							
Ethylbenzene	ND	0.500	"							
m&p-Xylene	ND	1.00	"							
o-xylene	ND	0.500	"							
Toluene	ND	2.00	"							
MTBE	ND	0.500	"							
LCS (BH61801-BS1)				Prepared & Analyzed: 18-Aug-06						
Surrogate: 4-Bromofluorobenzene	*55.1*		*ug/l*	*50.0*		*110*	*70-130*			
Surrogate: Dibromofluoromethane	*52.9*		"	*50.0*		*106*	*70-130*			
Surrogate: Perdeuterotoluene	*54.4*		"	*50.0*		*109*	*70-130*			
Gasoline (C6-C12)	2110	50.0	"	2000		106	70-130			
Benzene	121	0.500	"	100		121	70-130			
Toluene	121	2.00	"	100		121	70-130			
MTBE	122	0.500	"	100		122	70-130			
LCS Dup (BH61801-BSD1)				Prepared & Analyzed: 18-Aug-06						
Surrogate: 4-Bromofluorobenzene	*48.8*		*ug/l*	*50.0*		*97.6*	*70-130*			
Surrogate: Dibromofluoromethane	*44.9*		"	*50.0*		*89.8*	*70-130*			
Surrogate: Perdeuterotoluene	*42.6*		"	*50.0*		*85.2*	*70-130*			
Gasoline (C6-C12)	1830	50.0	"	2000		91.5	70-130	14.2	20	
Benzene	84.1	0.500	"	100		84.1	70-130	36.0	20	QR-02
Toluene	84.8	2.00	"	100		84.8	70-130	35.2	20	QR-02
MTBE	80.1	0.500	"	100		80.1	70-130	41.5	20	QR-02

SOMA Environmental Engineering Inc.	Project: 3609 International Blvd, Oakland	
6620 Owens Drive, Suite A	Project Number: 2333	**Reported:**
Pleasanton CA, 94588	Project Manager: Mansour Sepehr	22-Aug-06 10:37

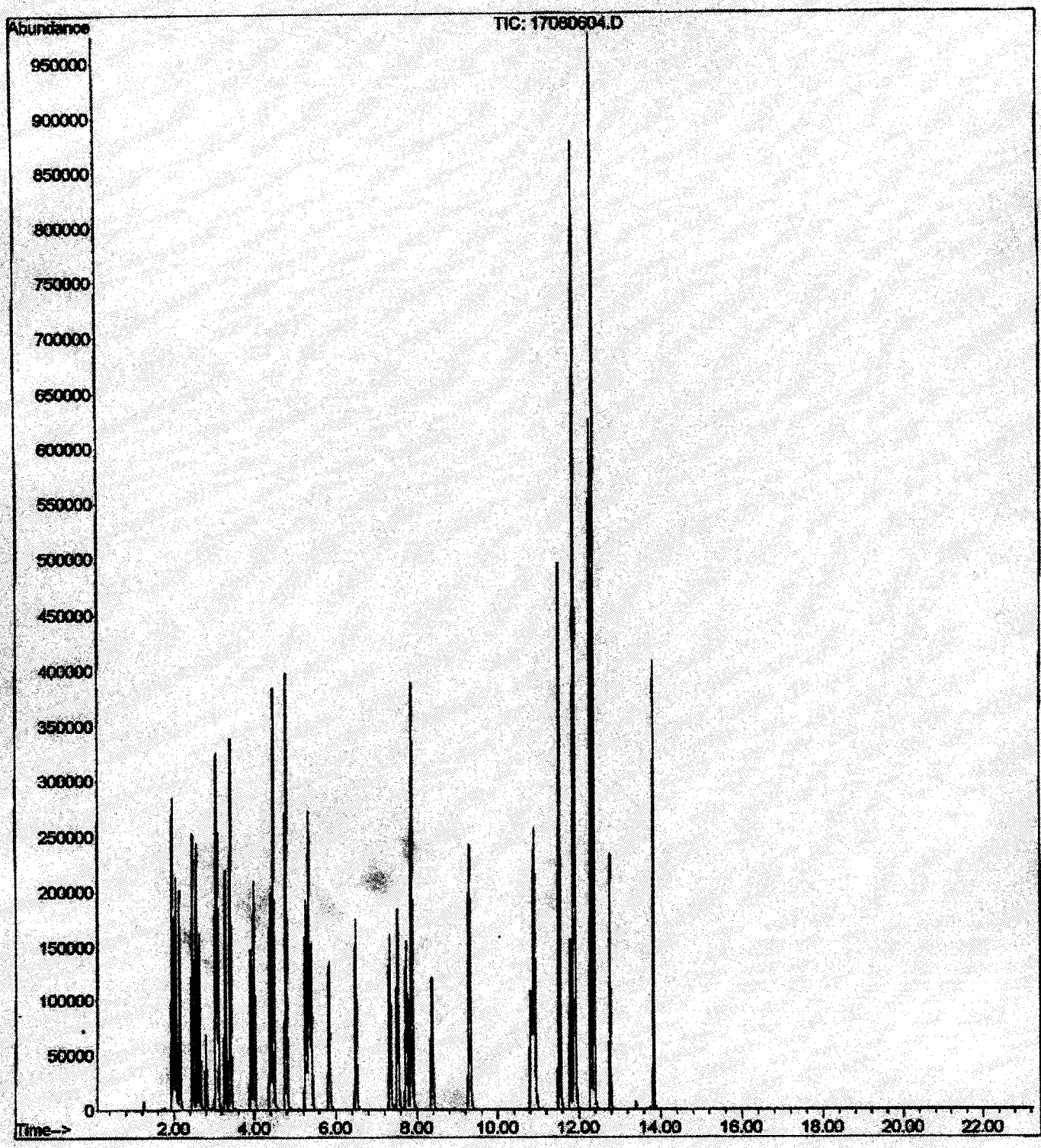
Notes and Definitions

QR-02	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

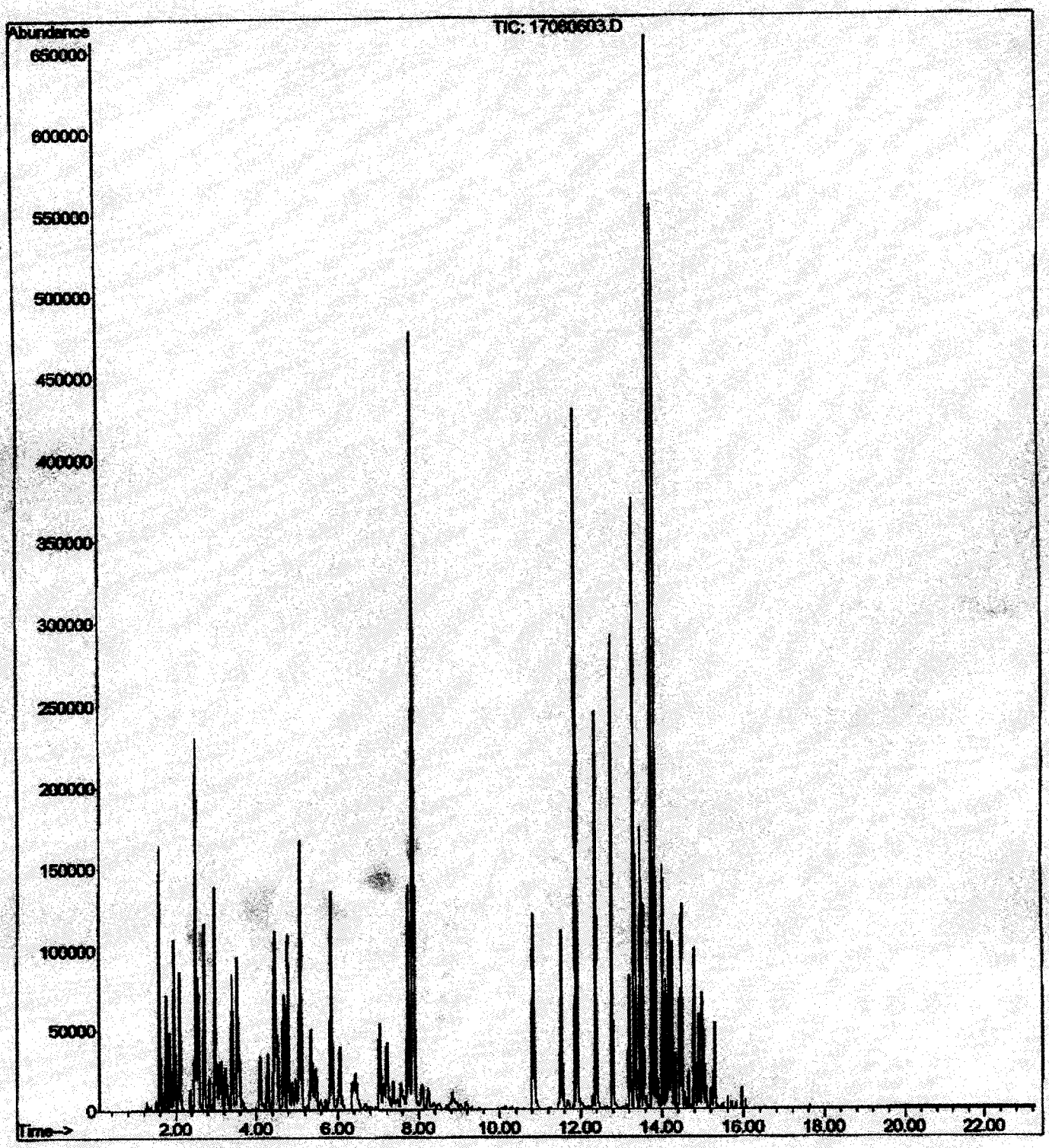
File :C:\MSDChem\1\DATA\2006-Aug-17-1052.b\17080607.D
Operator :
Acquired : 17 Aug 2006 4:32 pm using AcqMethod OXY21506.M
Instrument : PAL GCMS
Sample Name: BH61801-BLK1
Misc Info :
Vial Number: 7



File :C:\MSDChem\1\DATA\2006-Aug-17-1052.b\17080604.D
Operator :
Acquired : 17 Aug 2006 2:18 pm using AcqMethod OXY21506.M
Instrument : PAL GCMS
Sample Name: BH61801-BS1@voc
Misc Info :
Vial Number: 4



File :C:\MSDChem\1\DATA\2006-Aug-17-1052.b\17080603.D
Operator :
Acquired : 17 Aug 2006 1:16 pm using AcqMethod OXY21506.M
Instrument : PAL GCMS
Sample Name: BH61801-BS1@gas
Misc Info :
Vial Number: 3



CHAIN OF CUSTODY FORM

Page 1 of 1

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

PAL
Login# 6070005

Project No: 2333

Sampler: Bein Tims

Project Name: 3609 International Blvd. Oakland

Report To: Tony Perini

Company: SOMA Environmental Engineering, Inc.

Turnaround Time: Standard

Tel: 925-734-6400
Fax: 925-734-6401

Analyses/Method: TPHg, BTEX, MtBE 8260B

Lab No.	Sample ID	Sampling Date	Sampling Time	Soil	Water	Waste	# of Containers	HCL	H_2SO_4	HNO_3	ICE	Field Notes	TPHg, BTEX, MtBE 8260B							
1,2	Influent	7/21/06	3:10 p.m		*		3-VOAs	*			*	Grab Sample	*							
1,1	GAC-1	7/21/06	2:55 p.m		*		3-VOAs	*			*	Grab Sample	*							
1,1	PSP-1	7/24/06	2:45 PM		*		3-VOAs	*			*	Grab Sample	*							

Sampler Remarks:
EDF Output Required

Relinquished by:	Date/Time:	Received by:	Date/Time:
[signature]	7/24/06 5:05 pm	[signature]	7/27/06 5:06 PM

PAL Pacific Analytical Laboratory
851 West Midway Ave. Suite 201
Alameda, CA 94501
Phone (510) 864-0364

31 July 2006

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

RE: 3609 International Blvd, Oakland

Work Order Number: 6070005

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

Sincerely,

Maiid Akhavan
Laboratorv Director

SOMA Environmental Engineering Inc.	Project: 3609 International Blvd, Oakland	
6620 Owens Drive, Suite A	Project Number: 2333	**Reported:**
Pleasanton CA, 94588	Project Manager: Mansour Sepehr	31-Jul-06 10:50

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Influent	6070005-01	Water	24-Jul-06 15:10	24-Jul-06 17:05
GAC-1	6070005-02	Water	24-Jul-06 14:55	24-Jul-06 17:05
PSP-1	6070005-03	Water	24-Jul-06 14:45	24-Jul-06 17:05

PAL

SOMA Environmental Engineering Inc.	Project: 3609 International Blvd, Oakland	
6620 Owens Drive, Suite A	Project Number: 2333	**Reported:**
Pleasanton CA, 94588	Project Manager: Mansour Sepehr	31-Jul-06 10:50

Volatile Organic Compounds by EPA Method 8260B

Pacific Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Influent (6070005-01) Water Sampled: 24-Jul-06 15:10 Received: 24-Jul-06 17:05									
Gasoline (C6-C12)	**2990**	100	ug/l	2	BG62801	26-Jul-06	26-Jul-06	EPA 8260B	
Benzene	**450**	1.00	"	"	"	"	"	"	
Ethylbenzene	**114**	1.00	"	"	"	"	"	"	
m&p-Xylene	**141**	2.00	"	"	"	"	"	"	
o-xylene	**92.5**	1.00	"	"	"	"	"	"	
Toluene	**26.4**	4.00	"	"	"	"	"	"	
MTBE	**199**	1.00	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*114 %*		*70-130*	"	"	"	"	
Surrogate: Dibromofluoromethane		*102 %*		*70-130*	"	"	"	"	
Surrogate: Perdeuterotoluene		*100 %*		*70-130*	"	"	"	"	
GAC-1 (6070005-02) Water Sampled: 24-Jul-06 14:55 Received: 24-Jul-06 17:05									
Gasoline (C6-C12)	ND	50.0	ug/l	1	BG62801	26-Jul-06	26-Jul-06	EPA 8260B	
Benzene	**0.940**	0.500	"	"	"	"	"	"	
Ethylbenzene	ND	0.500	"	"	"	"	"	"	
m&p-Xylene	ND	1.00	"	"	"	"	"	"	
o-xylene	ND	0.500	"	"	"	"	"	"	
Toluene	ND	2.00	"	"	"	"	"	"	
MTBE	ND	0.500	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*103 %*		*70-130*	"	"	"	"	
Surrogate: Dibromofluoromethane		*107 %*		*70-130*	"	"	"	"	
Surrogate: Perdeuterotoluene		*99.8 %*		*70-130*	"	"	"	"	
PSP-1 (6070005-03) Water Sampled: 24-Jul-06 14:45 Received: 24-Jul-06 17:05									
Gasoline (C6-C12)	ND	50.0	ug/l	1	BG62801	26-Jul-06	26-Jul-06	EPA 8260B	
Benzene	ND	0.500	"	"	"	"	"	"	
Ethylbenzene	ND	0.500	"	"	"	"	"	"	
m&p-Xylene	ND	1.00	"	"	"	"	"	"	
o-xylene	ND	0.500	"	"	"	"	"	"	
Toluene	ND	2.00	"	"	"	"	"	"	
MTBE	ND	0.500	"	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*99.6 %*		*70-130*	"	"	"	"	
Surrogate: Dibromofluoromethane		*109 %*		*70-130*	"	"	"	"	
Surrogate: Perdeuterotoluene		*99.4 %*		*70-130*	"	"	"	"	

SOMA Environmental Engineering Inc.	Project: 3609 International Blvd, Oakland	
6620 Owens Drive, Suite A	Project Number: 2333	**Reported:**
Pleasanton CA, 94588	Project Manager: Mansour Sepehr	31-Jul-06 10:50

Volatile Organic Compounds by EPA Method 8260B

Pacific Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes

PAL

SOMA Environmental Engineering Inc.	Project: 3609 International Blvd, Oakland	
6620 Owens Drive, Suite A	Project Number: 2333	**Reported:**
Pleasanton CA, 94588	Project Manager: Mansour Sepehr	31-Jul-06 10:50

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Pacific Analytical Laboratory

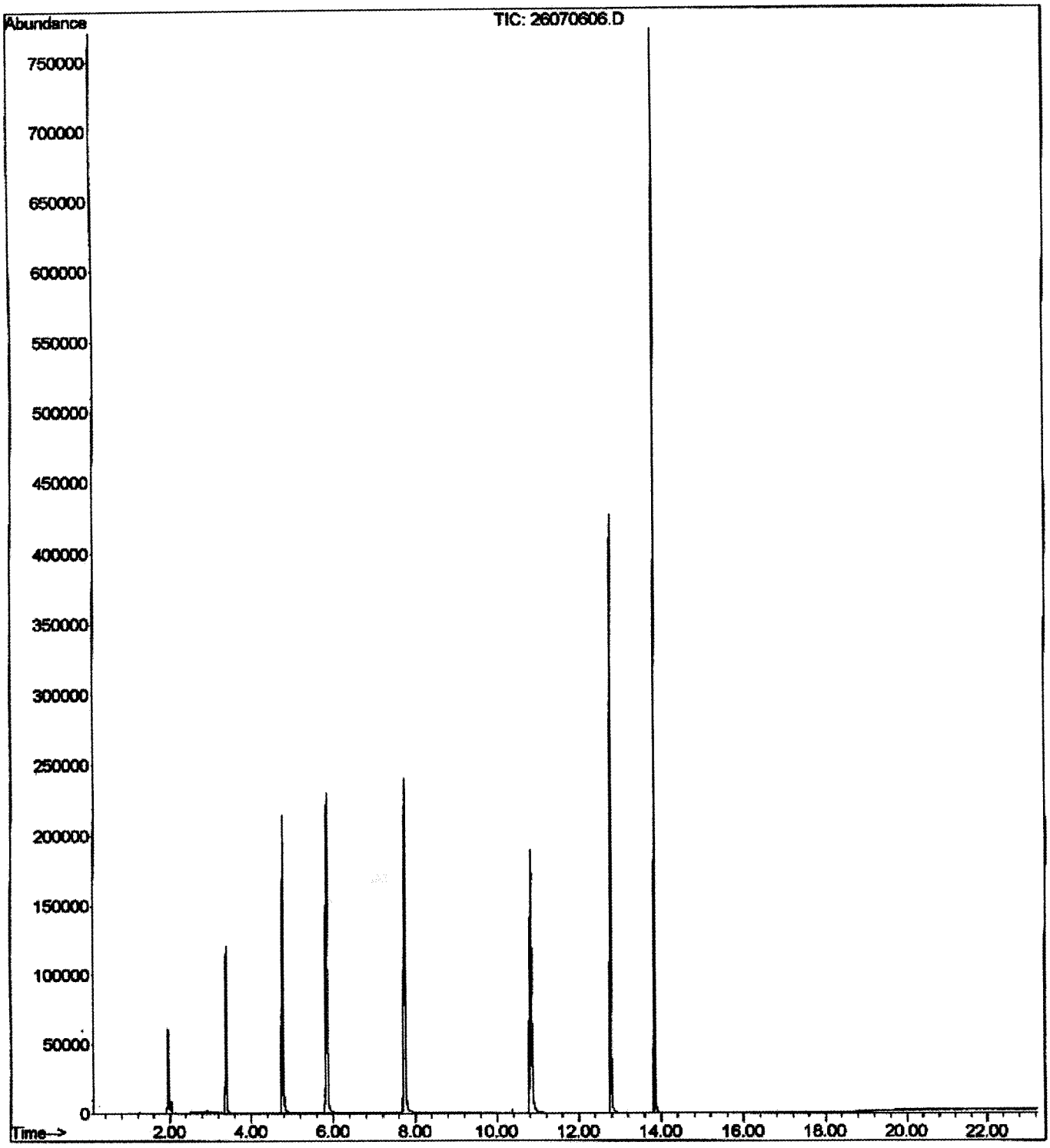
Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch BG62801 - EPA 5030 Water MS										
Blank (BG62801-BLK1)				Prepared & Analyzed: 28-Jul-06						
Surrogate: 4-Bromofluorobenzene	*49.8*		*ug/l*	*50.0*		*99.6*	*70-130*			
Surrogate: Dibromofluoromethane	*53.3*		"	*50.0*		*107*	*70-130*			
Surrogate: Perdeuterotoluene	*49.7*		"	*50.0*		*99.4*	*70-130*			
Gasoline (C6-C12)	ND	50.0	"							
Benzene	ND	0.500	"							
Ethylbenzene	ND	0.500	"							
m&p-Xylene	ND	1.00	"							
o-xylene	ND	0.500	"							
Toluene	ND	2.00	"							
MTBE	ND	0.500	"							
LCS (BG62801-BS1)				Prepared & Analyzed: 28-Jul-06						
Surrogate: 4-Bromofluorobenzene	*49.8*		*ug/l*	*50.0*		*99.6*	*70-130*			
Surrogate: Dibromofluoromethane	*49.0*		"	*50.0*		*98.0*	*70-130*			
Surrogate: Perdeuterotoluene	*49.3*		"	*50.0*		*98.6*	*70-130*			
Gasoline (C6-C12)	1880	50.0	"	2000		94.0	70-130			
Benzene	98.0	0.500	"	100		98.0	70-130			
Toluene	101	2.00	"	100		101	70-130			
MTBE	87.6	0.500	"	100		87.6	70-130			
LCS Dup (BG62801-BSD1)				Prepared & Analyzed: 28-Jul-06						
Surrogate: 4-Bromofluorobenzene	*50.9*		*ug/l*	*50.0*		*102*	*70-130*			
Surrogate: Dibromofluoromethane	*49.4*		"	*50.0*		*98.8*	*70-130*			
Surrogate: Perdeuterotoluene	*48.5*		"	*50.0*		*97.0*	*70-130*			
Gasoline (C6-C12)	1850	50.0	"	2000		92.5	70-130	1.61	20	
Benzene	102	0.500	"	100		102	70-130	4.00	20	
Toluene	104	2.00	"	100		104	70-130	2.93	20	
MTBE	85.8	0.500	"	100		85.8	70-130	2.08	20	

SOMA Environmental Engineering Inc.	Project: 3609 International Blvd, Oakland	
6620 Owens Drive, Suite A	Project Number: 2333	**Reported:**
Pleasanton CA, 94588	Project Manager: Mansour Sepehr	31-Jul-06 10:50

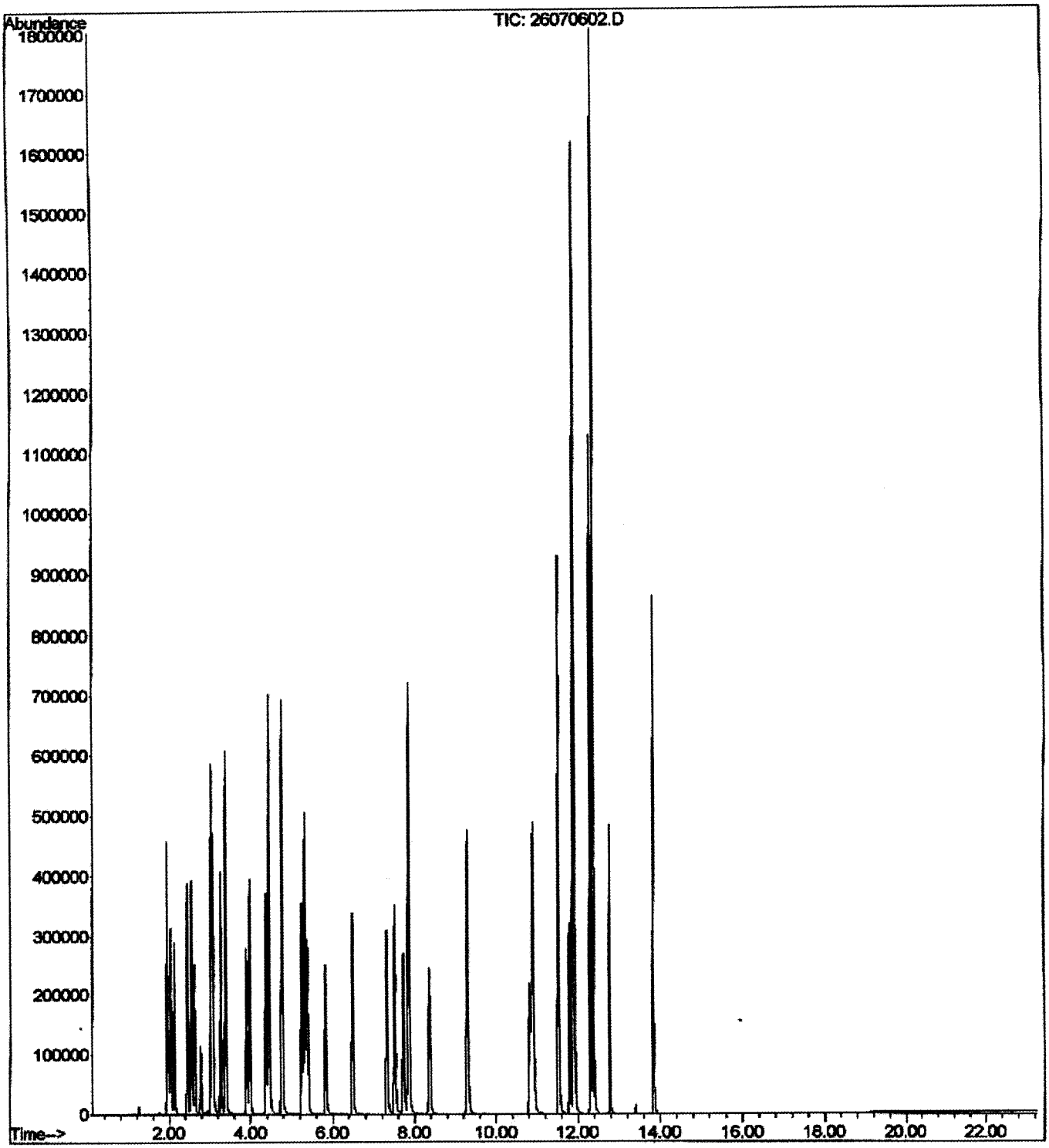
Notes and Definitions

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

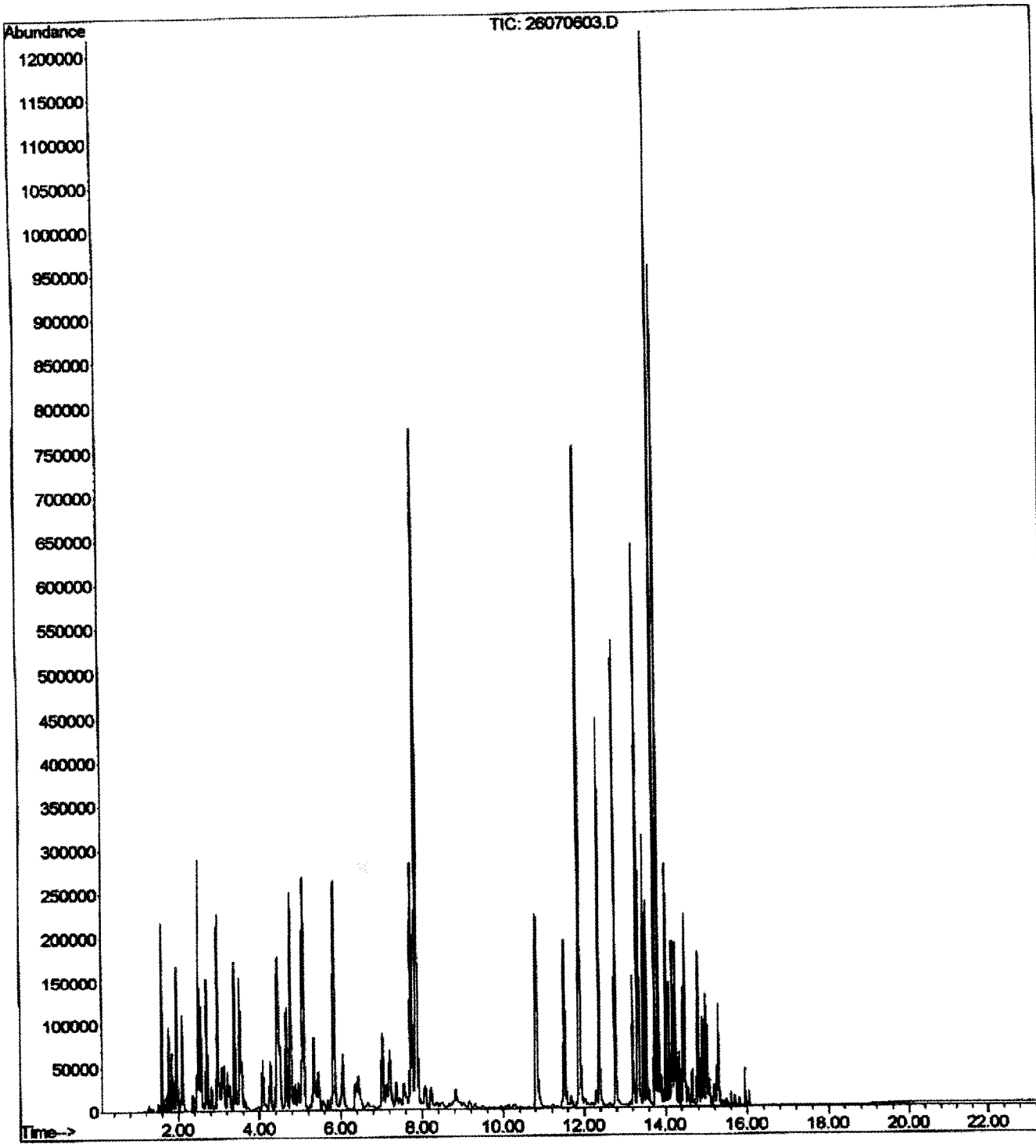
File :C:\MSDChem\1\DATA\2006-Jul-26-0957.b\26070606.D
Operator :
Acquired : 26 Jul 2006 2:12 pm using AcqMethod OXY21506.M
Instrument : PAL GCMS
Sample Name: BG62801-BLK1
Misc Info :
Vial Number: 6



File :C:\MSDChem\1\DATA\2006-Jul-26-0957.b\26070602.D
Operator :
Acquired : 26 Jul 2006 10:54 am using AcqMethod OXY21506.M
Instrument : PAL GCMS
Sample Name: BG62801-BS1@voc
Misc Info :
Vial Number: 2



File :C:\MSDChem\1\DATA\2006-Jul-26-0957.b\26070603.D
Operator :
Acquired : 26 Jul 2006 11:50 am using AcqMethod OXY21506.M
Instrument : PAL GCMS
Sample Name: BG62801-BS1@gas
Misc Info :
Vial Number: 3



Appendix E

Chain of Custody Forms and Laboratory Reports

for the

Soil Vapor Extraction Treatment System

SEQUOIA ANALYTICAL
CHAIN OF CUSTODY

- ☐ 885 Jarvis Drive • **Morgan Hill, CA 95037** • (408) 776-9600 • FAX (408) 782-6308
- ☐ 1455 N. McDowell Blvd, Suite D. • **Petaluma, CA 94954** • (707) 792-1865 • FAX (707) 792-0342
- ☐ 819 Striker Ave., Suite 8 • **Sacramento, CA 95834** • (916) 921-9600 • FAX (916) 921-0100
- ☐ 404 N. Wiget Lane • **Walnut Creek, CA 94598** • (925) 988-9600 • FAX (925) 988-9673

Company Name: SOMA ENVIRONMENTAL		Project: 2334 – Oakland – International Blvd	
Mailing Address: 6620 Owens Drive, Suite A		Billing Address (if different):	
City: Pleasanton	State: CA Zip Code: 94588		
Telephone: 925-734-6400	Fax #: 925-734-6401	P.O. #:	
Report To: Tony Perini	E-mail Address: JBolek@somaenv.com	QC Data: ☐ Level II (standard) ☐ Level III ☐ Level IV	
Sampler:	Date / Time Results Required: Standard	Sequoia's Work Order #	SC00473

Turnaround Time:
- ☑ 10-15 Working Days (Standard TAT)
- ☐ 7 Working Days
- ☐ 5 Working Days
- ☐ 72 Hours
- ☐ 48 Hours
- ☐ 24 Hours
- ☐ 2-8 Hours

MANDATORY:
- ☐ SDWA (Drinking Water)
- ☐ CWA (Waste Water)
- ☐ RCRA (Hazardous Waste)
- ☐ Other

ANALYSES REQUESTED (Please provide method)

Client Sample I.D.	Date / Time Sampled	Matrix Desc.	# of Cont.	Container Type	Sequoia's Sample #	TPH-g 8260	BTEX 8260	MTBE 8260	Comments/ Temp.(if required)
1. SVE-1	9/27/06 2:40PM	AIR	1	Tedlar	-01	✓	✓	✓	
2. SVE-2	9/27/06 3:00PM				-02				
3. SVE-3	9/27/06 2:50PM				-03				
4. IN-1 (bottom)	9/27/06 1:29PM				-04				
5. IN-2 (top)	9/27/06 1:25PM				-05				
6. Effluent	9/27/06 1:20PM	↓	↓	↓	-06	↓	↓	↓	
7.									
8.									
9.									
10.									

Relinquished by / Co.: [illegible]	9/27/06 4:00PM	Received by / Co.:	Date / Time / Temp.: 9/27/06 16:30
Relinquished by / Co.:		Received by / Co.:	Date / Time / Temp.:
Relinquished by / Co.:		Received by / Co.:	Date / Time / Temp.:
Relinquished by / Co.:		Received by / Co.:	Date / Time / Temp.:

Were Samples Received in Good Condition? ☑ Yes ☐ No Samples on Ice? ☐ Yes ☑ No Method of Shipment: Client Page 1 of 1

White: Sequoia Yellow: Sequoia Pink: Client

3520

TestAmerica
ANALYTICAL TESTING CORPORATION

819 Striker Avenue, Suite 8
Sacramento, CA 95834
(916) 921-9600
FAX (916) 921-0100
www.testamericainc.com

13 October, 2006

Tony Perini
Soma Environmental Eng.
6620 Owens Drive, Suite A
Pleasanton, CA. 94588

RE: N/A
Work Order: S609473

Enclosed are the results of analyses for samples received by the laboratory on 09/27/06 16:30. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Ron Chew For Tami Lindsay
Project Manager

CA ELAP Certificate # 2630

TestAmerica
ANALYTICAL TESTING CORPORATION

819 Striker Avenue, Suite 8
Sacramento, CA 95834
(916) 921-9600
FAX (916) 921-0100
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Soma Environmental Eng.	Project: N/A	S609473
6620 Owens Drive, Suite A	Project Number: 2334- Oakland-International Blvd.	**Reported:**
Pleasanton CA., 94588	Project Manager: Tony Perini	10/13/06 14:37

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SVE-1	S609473-01	Air	09/27/06 14:40	09/27/06 16:30
SVE-2	S609473-02	Air	09/27/06 15:00	09/27/06 16:30
SVE-3	S609473-03	Air	09/27/06 14:50	09/27/06 16:30
IN-1 (Bottom)	S609473-04	Air	09/27/06 13:29	09/27/06 16:30
IN-1 (Top)	S609473-05	Air	09/27/06 13:25	09/27/06 16:30
Effluent	S609473-06	Air	09/27/06 13:20	09/27/06 16:30

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Soma Environmental Eng.	Project: N/A	S609473
6620 Owens Drive, Suite A	Project Number: 2334- Oakland-International Blvd.	**Reported:**
Pleasanton CA., 94588	Project Manager: Tony Perini	10/13/06 14:37

Gasoline\BTEX\Oxygenates by GCMS\8260B

TestAmerica - Sacramento, CA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SVE-1 (S609473-01) Air Sampled: 09/27/06 14:40 Received: 09/27/06 16:30									
Benzene	ND	0.50	mg/m³ Air	1	6100032	09/29/06	09/29/06	GCMS \ 8260B	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	**54**	50	"	"	"	"	"	"	
Surrogate: 1,2-DCA-d4		*113 %*	*60-140*		"	"	"	"	
Surrogate: Toluene-d8		*104 %*	*60-140*		"	"	"	"	
Surrogate: 4-BFB		*116 %*	*60-140*		"	"	"	"	
SVE-2 (S609473-02) Air Sampled: 09/27/06 15:00 Received: 09/27/06 16:30									
Benzene	ND	0.50	mg/m³ Air	1	6100032	09/29/06	09/29/06	GCMS \ 8260B	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	**56**	50	"	"	"	"	"	"	
Surrogate: 1,2-DCA-d4		*130 %*	*60-140*		"	"	"	"	
Surrogate: Toluene-d8		*91 %*	*60-140*		"	"	"	"	
Surrogate: 4-BFB		*101 %*	*60-140*		"	"	"	"	
SVE-3 (S609473-03) Air Sampled: 09/27/06 14:50 Received: 09/27/06 16:30									
Benzene	ND	0.50	mg/m³ Air	1	6100032	09/29/06	09/29/06	GCMS \ 8260B	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	50	"	"	"	"	"	"	
Surrogate: 1,2-DCA-d4		*120 %*	*60-140*		"	"	"	"	
Surrogate: Toluene-d8		*101 %*	*60-140*		"	"	"	"	
Surrogate: 4-BFB		*108 %*	*60-140*		"	"	"	"	

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Soma Environmental Eng.	Project: N/A	S609473
6620 Owens Drive, Suite A	Project Number: 2334- Oakland-International Blvd.	**Reported:**
Pleasanton CA., 94588	Project Manager: Tony Perini	10/13/06 14:37

Gasoline\BTEX\Oxygenates by GCMS\8260B

TestAmerica - Sacramento, CA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
IN-1 (Bottom) (S609473-04) Air Sampled: 09/27/06 13:29 Received: 09/27/06 16:30									
Benzene	ND	0.50	mg/m³ Air	1	6100032	09/29/06	09/29/06	GCMS \ 8260B	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	**71**	50	"	"	"	"	"	"	
Surrogate: 1,2-DCA-d4		*126 %*	*60-140*		"	"	"	"	
Surrogate: Toluene-d8		*92 %*	*60-140*		"	"	"	"	
Surrogate: 4-BFB		*98 %*	*60-140*		"	"	"	"	
IN-1 (Top) (S609473-05) Air Sampled: 09/27/06 13:25 Received: 09/27/06 16:30									
Benzene	ND	0.50	mg/m³ Air	1	6100032	09/29/06	09/29/06	GCMS \ 8260B	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	**63**	50	"	"	"	"	"	"	
Surrogate: 1,2-DCA-d4		*126 %*	*60-140*		"	"	"	"	
Surrogate: Toluene-d8		*96 %*	*60-140*		"	"	"	"	
Surrogate: 4-BFB		*98 %*	*60-140*		"	"	"	"	
Effluent (S609473-06) Air Sampled: 09/27/06 13:20 Received: 09/27/06 16:30									
Benzene	ND	0.50	mg/m³ Air	1	6100032	09/29/06	09/29/06	GCMS \ 8260B	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	50	"	"	"	"	"	"	
Surrogate: 1,2-DCA-d4		*121 %*	*60-140*		"	"	"	"	
Surrogate: Toluene-d8		*84 %*	*60-140*		"	"	"	"	
Surrogate: 4-BFB		*100 %*	*60-140*		"	"	"	"	

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Soma Environmental Eng.	Project: N/A	S609473
6620 Owens Drive, Suite A	Project Number: 2334- Oakland-International Blvd.	**Reported:**
Pleasanton CA., 94588	Project Manager: Tony Perini	10/13/06 14:37

Gasoline\BTEX\Oxygenates by GCMS\8260B - Quality Control
TestAmerica - Sacramento, CA

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6100032 - EPA 5030B [P/T] / GCMS \ 8260B										
Blank (6100032-BLK1)				Prepared & Analyzed: 09/29/06						
Benzene	ND	0.50	mg/m³ Air							
Toluene	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
Methyl tert-butyl ether	ND	0.50	"							
Gasoline Range Organics (C4-C12)	ND	50	"							
Surrogate: 1,2-DCA-d4	*2.06*		"	*2.00*		*103*	*60-140*			
Surrogate: Toluene-d8	*2.21*		"	*2.00*		*110*	*60-140*			
Surrogate: 4-BFB	*1.97*		"	*2.00*		*98*	*60-140*			
Laboratory Control Sample (6100032-BS1)				Prepared & Analyzed: 09/28/06						
Benzene	3.73	0.50	mg/m³ Air	4.00		93	70-130			
Toluene	4.09	0.50	"	4.00		102	70-130			
Methyl tert-butyl ether	3.96	0.50	"	4.00		99	60-140			
Surrogate: 1,2-DCA-d4	*2.16*		"	*2.00*		*108*	*60-140*			
Surrogate: Toluene-d8	*1.92*		"	*2.00*		*96*	*60-140*			
Surrogate: 4-BFB	*1.92*		"	*2.00*		*96*	*60-140*			
Laboratory Control Sample (6100032-BS2)				Prepared & Analyzed: 09/28/06						
Toluene	35.7	0.50	mg/m³ Air	37.6		95	70-130			
Methyl tert-butyl ether	7.73	0.50	"	10.4		74	60-140			
Gasoline Range Organics (C4-C12)	516	50	"	440		117	70-130			
Surrogate: 1,2-DCA-d4	*2.16*		"	*2.00*		*108*	*60-140*			
Surrogate: Toluene-d8	*1.97*		"	*2.00*		*98*	*60-140*			
Surrogate: 4-BFB	*2.05*		"	*2.00*		*102*	*60-140*			
Laboratory Control Sample Dup (6100032-BSD1)				Prepared: 09/28/06 Analyzed: 09/29/06						
Benzene	3.79	0.50	mg/m³ Air	4.00		95	70-130	2	25	
Toluene	4.07	0.50	"	4.00		102	70-130	0.5	25	
Methyl tert-butyl ether	4.40	0.50	"	4.00		110	60-140	11	25	
Surrogate: 1,2-DCA-d4	*2.29*		"	*2.00*		*114*	*60-140*			
Surrogate: Toluene-d8	*1.87*		"	*2.00*		*94*	*60-140*			
Surrogate: 4-BFB	*2.00*		"	*2.00*		*100*	*60-140*			

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Soma Environmental Eng.	Project: N/A	S609473
6620 Owens Drive, Suite A	Project Number: 2334- Oakland-International Blvd.	**Reported:**
Pleasanton CA., 94588	Project Manager: Tony Perini	10/13/06 14:37

Gasoline\BTEX\Oxygenates by GCMS\8260B - Quality Control
TestAmerica - Sacramento, CA

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6100032 - EPA 5030B [P/T] / GCMS \ 8260B										
Laboratory Control Sample Dup (6100032-BSD2)				Prepared: 09/28/06 Analyzed: 09/29/06						
Toluene	35.5	0.50	mg/m³ Air	37.6		94	70-130	0.6	25	
Methyl tert-butyl ether	6.85	0.50	"	10.4		66	60-140	12	25	
Gasoline Range Organics (C4-C12)	450	50	"	440		102	70-130	14	25	
Surrogate: 1,2-DCA-d4	*2.09*		"	*2.00*		*104*	*60-140*			
Surrogate: Toluene-d8	*2.03*		"	*2.00*		*102*	*60-140*			
Surrogate: 4-BFB	*1.92*		"	*2.00*		*96*	*60-140*			

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Soma Environmental Eng.	Project: N/A	S609473
6620 Owens Drive, Suite A	Project Number: 2334- Oakland-International Blvd.	**Reported:**
Pleasanton CA., 94588	Project Manager: Tony Perini	10/13/06 14:37

Notes and Definitions

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

SEQUOIA ANALYTICAL
CHAIN OF CUSTODY

☐ 885 Jarvis Drive • **Morgan Hill, CA 95037** • (408) 776-9600 • FAX (408) 782-6308
☐ 1455 N. McDowell Blvd, Suite D. • **Petaluma, CA 94954** • (707) 792-1865 • FAX (707) 792-0342
☐ 819 Striker Ave., Suite 8 • **Sacramento, CA 95834** • (916) 921-9600 • FAX (916) 921-0100
☐ 404 N. Wiget Lane • **Walnut Creek, CA 94598** • (925) 988-9600 • FAX (925) 988-9673

Company Name: Soma Environmental		Project: 2334- Oakland	
Mailing Address: 6620 Owens Drive, Suite A		Billing Address (If different):	
City: Pleasanton	State: CA	Zip Code:	
Telephone: 925-734-6400	Fax #: 925-734-6401	P.O. #:	
Report To: Tony Perini	E-mail Address: jbolke@somaenv	QC Data: ☐ Level II (standard) ☐ Level III ☐ Level IV	
Sampler: Tony Perini / Brian Tran	Date / Time Results Required: Standard	Sequoia's Work Order #	0608088

Turnaround Time:
☐ 10-15 Working Days (Standard TAT)
☐ 7 Working Days
☐ 5 Working Days
☐ 72 Hours
☐ 48 Hours
☐ 24 Hours
☐ 2-8 Hours

MANDATORY:
☐ SDWA (Drinking Water)
☐ CWA (Waste Water)
☐ RCRA (Hazardous Waste)
☐ Other

ANALYSES REQUESTED (Please provide method)

Client Sample I.D.	Date / Time Sampled	Matrix Desc.	# of Cont.	Container Type	Sequoia's Sample #	TPH-g	BTEX	MTBE	Comments/ Temp.(If required)
1. Effluent	8/2/06 225PM	Air	1	Tedlar	-01	✓	✓	✓	
2. SVE-1	3 PM				-02				
3. SVE-3	2:50 PM				-03				
4. Influent Blower 1	2:45 PM				-04				
5. Influent Blower 2	3:15 PM	↓	↓	↓	-05	↓	↓	↓	
6.									
7.									
8.									
9.									
10.									

Relinquished by / Co.:	8/2/06 4:10PM	Received by / Co.:	Date / Time / Temp.: 8-2-06 2:16
Relinquished by / Co.:		Received by / Co.:	Date / Time / Temp.: 8/3/06 1200
Relinquished by / Co.:		Received by / Co.:	Date / Time / Temp.:
Relinquished by / Co.:		Received by / Co.:	Date / Time / Temp.:

Were Samples Received in Good Condition? ☒ Yes ☐ No Samples on Ice? ☐ Yes ☒ No Method of Shipment: _____ Page ___ of ___

White: Sequoia Yellow: Sequoia Pink: Client

5-0

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21 August, 2006

Tony Perini
Soma Environmental Eng.
6620 Owens Drive, Suite A
Pleasanton, CA. 94588

RE: N/A
Work Order: S608088

Enclosed are the results of analyses for samples received by the laboratory on 08/03/06 12:00. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Ron Chew For Tami Lindsay
Project Manager

CA ELAP Certificate # 2630

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Soma Environmental Eng.	Project: N/A	S608088
6620 Owens Drive, Suite A	Project Number: 2334-Oakland	**Reported:**
Pleasanton CA., 94588	Project Manager: Tony Perini	08/21/06 15:32

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Effluent	S608088-01	Air	08/02/06 14:25	08/03/06 12:00
SVE - 1	S608088-02	Air	08/02/06 15:00	08/03/06 12:00
SVE - 3	S608088-03	Air	08/02/06 14:50	08/03/06 12:00
Influent Blower 1	S608088-04	Air	08/02/06 14:45	08/03/06 12:00
Influent Blower 2	S608088-05	Air	08/02/06 15:15	08/03/06 12:00

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Soma Environmental Eng.	Project: N/A	S608088
6620 Owens Drive, Suite A	Project Number: 2334-Oakland	**Reported:**
Pleasanton CA., 94588	Project Manager: Tony Perini	08/21/06 15:32

Gasoline\BTEX\Oxygenates by EPA method 8260B

TestAmerica - Sacramento, CA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Effluent (S608088-01) Air Sampled: 08/02/06 14:25 Received: 08/03/06 12:00									
Benzene	ND	0.50	mg/m³ Air	1	6080092	08/04/06	08/04/06	EPA 8260B	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	50	"	"	"	"	"	"	
Surrogate: 1,2-DCA-d4		*99 %*	*60-140*		"	"	"	"	
Surrogate: Toluene-d8		*102 %*	*60-140*		"	"	"	"	
Surrogate: 4-BFB		*98 %*	*60-140*		"	"	"	"	
SVE - 1 (S608088-02) Air Sampled: 08/02/06 15:00 Received: 08/03/06 12:00									
Benzene	**4.7**	0.50	mg/m³ Air	1	6080092	08/04/06	08/04/06	EPA 8260B	
Toluene	**2.4**	0.50	"	"	"	"	"	"	
Ethylbenzene	**0.52**	0.50	"	"	"	"	"	"	
Xylenes (total)	**1.6**	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Surrogate: 1,2-DCA-d4		*110 %*	*60-140*		"	"	"	"	
Surrogate: Toluene-d8		*123 %*	*60-140*		"	"	"	"	
Surrogate: 4-BFB		*106 %*	*60-140*		"	"	"	"	
SVE - 1 (S608088-02RE1) Air Sampled: 08/02/06 15:00 Received: 08/03/06 12:00									
Gasoline Range Organics (C4-C12)	**6300**	1200	mg/m³ Air	25	6080092	08/04/06	08/04/06	EPA 8260B	
Surrogate: 1,2-DCA-d4		*96 %*	*60-140*		"	"	"	"	
Surrogate: Toluene-d8		*106 %*	*60-140*		"	"	"	"	
Surrogate: 4-BFB		*102 %*	*60-140*		"	"	"	"	

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Soma Environmental Eng.	Project: N/A	S608088
6620 Owens Drive, Suite A	Project Number: 2334-Oakland	**Reported:**
Pleasanton CA., 94588	Project Manager: Tony Perini	08/21/06 15:32

Gasoline\BTEX\Oxygenates by EPA method 8260B

TestAmerica - Sacramento, CA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SVE - 3 (S608088-03) Air Sampled: 08/02/06 14:50 Received: 08/03/06 12:00									
Benzene	ND	0.50	mg/m³ Air	1	6080092	08/04/06	08/04/06	EPA 8260B	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	50	"	"	"	"	"	"	
Surrogate: 1,2-DCA-d4		*98 %*	*60-140*		"	"	"	"	
Surrogate: Toluene-d8		*105 %*	*60-140*		"	"	"	"	
Surrogate: 4-BFB		*98 %*	*60-140*		"	"	"	"	
Influent Blower 1 (S608088-04) Air Sampled: 08/02/06 14:45 Received: 08/03/06 12:00									
Benzene	ND	0.50	mg/m³ Air	1	6080092	08/04/06	08/04/06	EPA 8260B	
Toluene	**0.53**	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	**0.51**	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	ND	50	"	"	"	"	"	"	
Surrogate: 1,2-DCA-d4		*92 %*	*60-140*		"	"	"	"	
Surrogate: Toluene-d8		*106 %*	*60-140*		"	"	"	"	
Surrogate: 4-BFB		*100 %*	*60-140*		"	"	"	"	
Influent Blower 2 (S608088-05) Air Sampled: 08/02/06 15:15 Received: 08/03/06 12:00									
Benzene	ND	0.50	mg/m³ Air	1	6080092	08/04/06	08/04/06	EPA 8260B	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.50	"	"	"	"	"	"	
Gasoline Range Organics (C4-C12)	**760**	50	"	"	"	"	"	"	
Surrogate: 1,2-DCA-d4		*100 %*	*60-140*		"	"	"	"	
Surrogate: Toluene-d8		*106 %*	*60-140*		"	"	"	"	
Surrogate: 4-BFB		*97 %*	*60-140*		"	"	"	"	

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ANALYTICAL TESTING CORPORATION

819 Striker Avenue, Suite 8
Sacramento, CA 95834
(916) 921-9600
FAX (916) 921-0100
www.testamericainc.com

Soma Environmental Eng.	Project: N/A	S608088
6620 Owens Drive, Suite A	Project Number: 2334-Oakland	**Reported:**
Pleasanton CA., 94588	Project Manager: Tony Perini	08/21/06 15:32

Gasoline\BTEX\Oxygenates by EPA method 8260B - Quality Control
TestAmerica - Sacramento, CA

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6080092 - EPA 5030B [P/T] / EPA 8260B										
Blank (6080092-BLK1)				Prepared & Analyzed: 08/04/06						
Benzene	ND	0.50	mg/m³ Air							
Toluene	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
Methyl tert-butyl ether	ND	0.50	"							
Gasoline Range Organics (C4-C12)	ND	50	"							
Surrogate: 1,2-DCA-d4	*1.90*		"	*2.00*		*95*	*60-140*			
Surrogate: Toluene-d8	*2.11*		"	*2.00*		*106*	*60-140*			
Surrogate: 4-BFB	*2.01*		"	*2.00*		*100*	*60-140*			
Laboratory Control Sample (6080092-BS1)				Prepared & Analyzed: 08/04/06						
Toluene	34.3	0.50	mg/m³ Air	37.6		91	70-130			
Methyl tert-butyl ether	6.36	0.50	"	10.4		61	60-140			
Gasoline Range Organics (C4-C12)	430	50	"	440		98	70-130			
Surrogate: 1,2-DCA-d4	*1.93*		"	*2.00*		*96*	*60-140*			
Surrogate: Toluene-d8	*2.09*		"	*2.00*		*104*	*60-140*			
Surrogate: 4-BFB	*2.01*		"	*2.00*		*100*	*60-140*			
Laboratory Control Sample (6080092-BS2)				Prepared & Analyzed: 08/04/06						
Benzene	3.45	0.50	mg/m³ Air	4.00		86	70-130			
Toluene	3.74	0.50	"	4.00		94	70-130			
Methyl tert-butyl ether	3.64	0.50	"	4.00		91	60-140			
Surrogate: 1,2-DCA-d4	*1.94*		"	*2.00*		*97*	*60-140*			
Surrogate: Toluene-d8	*1.96*		"	*2.00*		*98*	*60-140*			
Surrogate: 4-BFB	*2.08*		"	*2.00*		*104*	*60-140*			
Laboratory Control Sample Dup (6080092-BSD1)				Prepared: 08/04/06 Analyzed: 08/05/06						
Toluene	32.7	0.50	mg/m³ Air	37.6		87	70-130	5	25	
Gasoline Range Organics (C4-C12)	382	50	"	440		87	70-130	12	25	
Surrogate: 1,2-DCA-d4	*1.92*		"	*2.00*		*96*	*60-140*			
Surrogate: Toluene-d8	*2.11*		"	*2.00*		*106*	*60-140*			
Surrogate: 4-BFB	*2.05*		"	*2.00*		*102*	*60-140*			

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6620 Owens Drive, Suite A	Project Number: 2334-Oakland	**Reported:**
Pleasanton CA., 94588	Project Manager: Tony Perini	08/21/06 15:32

Gasoline\BTEX\Oxygenates by EPA method 8260B - Quality Control

TestAmerica - Sacramento, CA

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6080092 - EPA 5030B [P/T] / EPA 8260B										
Laboratory Control Sample Dup (6080092-BSD2)				Prepared: 08/04/06 Analyzed: 08/05/06						
Benzene	3.41	0.50	mg/m³ Air	4.00		85	70-130	1	25	
Toluene	3.82	0.50	"	4.00		96	70-130	2	25	
Methyl tert-butyl ether	3.68	0.50	"	4.00		92	60-140	1	25	
Surrogate: 1,2-DCA-d4	*1.86*		"	*2.00*		*93*	*60-140*			
Surrogate: Toluene-d8	*2.17*		"	*2.00*		*108*	*60-140*			
Surrogate: 4-BFB	*2.00*		"	*2.00*		*100*	*60-140*			

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Soma Environmental Eng.	Project: N/A	S608088
6620 Owens Drive, Suite A	Project Number: 2334-Oakland	**Reported:**
Pleasanton CA., 94588	Project Manager: Tony Perini	08/21/06 15:32

Notes and Definitions

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

SEQUOIA ANALYTICAL
CHAIN OF CUSTODY

- ☐ 885 Jarvis Drive • **Morgan Hill, CA 95037** • (408) 776-9600 • FAX (408) 782-6308
- ☐ 1455 N. McDowell Blvd, Suite D • **Petaluma, CA 94954** • (707) 792-1865 • FAX (707) 792-0342
- ☐ 819 Striker Ave., Suite 8 • **Sacramento, CA 95834** • (916) 921-9600 • FAX (916) 921-0100
- ☐ 404 N. Wiget Lane • **Walnut Creek, CA 94598** • (925) 988-9600 • FAX (925) 988-9673

Company Name: SOMA ENVIRONMENTAL		Project: 2334	
Mailing Address: 6620 Owens Drive, Suite A		Billing Address (if different):	
City: Pleasanton	State: CA	Zip Code: 94588	
Telephone: 925-734-6400	Fax #: 925-734-6401	P.O. #:	
Report To: Tony Perini	E-mail Address: JBobek@somaenv	QC Data: ☐ Level II (standard) ☐ Level III ☐ Level IV	
Sampler: Brian Tims	Date / Time Results Required:	Sequoia's Work Order # 5608111	

Turnaround Time:
- ☐ 10-15 Working Days (Standard TAT)
- ☐ 7 Working Days
- ☐ 5 Working Days
- ☐ 72 Hours
- ☐ 48 Hours
- ☐ 24 Hours
- ☐ 2-8 Hours

MANDATORY:
- ☐ SDWA (Drinking Water)
- ☐ CWA (Waste Water)
- ☐ RCRA (Hazardous Waste)
- ☐ Other

ANALYSES REQUESTED (Please provide method)

Client Sample I.D.	Date / Time Sampled	Matrix Desc.	# of Cont.	Container Type	Sequoia's Sample #	TPH	BTEX	MTBE	Comments/ Temp.(If required)
1. SVE-2	11:00 am 8/3	AIR	1	Tedlar	01A		✓	✓	
2.									
3.									
4.									
5.									
6.									
7.									
8.									
9.									
10.									

Relinquished by / Co.:	8/3/06 1910	Received by / Co.:	Date / Time / Temp.: 8-4-06 1410
Relinquished by / Co.:		Received by / Co.:	Date / Time / Temp.:
Relinquished by / Co.:		Received by / Co.:	Date / Time / Temp.:
Relinquished by / Co.:		Received by / Co.:	Date / Time / Temp.:

Were Samples Received in Good Condition? ☑ Yes ☐ No Samples on Ice? ☐ Yes ☑ No Method of Shipment: _____ Page 1 of 1

White: Sequoia Attach to S6080088 Report Yellow: Sequoia Pink: Client

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25 August, 2006

Tony Perini
Soma Environmental Eng.
6620 Owens Drive, Suite A
Pleasanton, CA. 94588

RE: N/A
Work Order: S608111

Enclosed are the results of analyses for samples received by the laboratory on 08/04/06 14:10. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Tami Lindsay
Project Manager

CA ELAP Certificate # 2630

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Soma Environmental Eng.	Project: N/A	S608111
6620 Owens Drive, Suite A	Project Number: 2334-Oakland	**Reported:**
Pleasanton CA., 94588	Project Manager: Tony Perini	08/21/06 12:34

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SVE - 2	S608111-01	Air	08/03/06 11:00	08/04/06 14:10

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Soma Environmental Eng.	Project: N/A	S608111
6620 Owens Drive, Suite A	Project Number: 2334-Oakland	**Reported:**
Pleasanton CA., 94588	Project Manager: Tony Perini	08/21/06 12:34

Purgeable Hydrocarbons and BTEX by EPA 8015B/8021B

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SVE - 2 (S608111-01) Air Sampled: 08/03/06 11:00 Received: 08/04/06 14:10									**HT-05**
Gasoline Range Organics (C4-C12)	**83**	10	mg/m³ Air	1	6H08004	08/08/06	08/08/06 13:46	EPA 8015B/8021B	
Benzene	**2.2**	0.10	"	"	"	"	"	"	CF1
Toluene	**0.81**	0.10	"	"	"	"	"	"	CF1
Ethylbenzene	ND	0.10	"	"	"	"	"	"	
Xylenes (total)	**0.29**	0.20	"	"	"	"	"	"	
Methyl tert-butyl ether	**4.5**	0.50	"	"	"	"	"	"	CF1
Surrogate: a,a,a-Trifluorotoluene		*104 %*	*65-140*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*90 %*	*70-125*		"	"	"	"	
Gasoline Range Organics (C4-C12)	**23**	2.4	ppmv	"	"	"	"	"	
Benzene	**0.68**	0.031	"	"	"	"	"	"	CF1
Toluene	**0.22**	0.027	"	"	"	"	"	"	CF1
Ethylbenzene	ND	0.023	"	"	"	"	"	"	
Xylenes (total)	**0.066**	0.047	"	"	"	"	"	"	
Methyl tert-butyl ether	**1.2**	0.14	"	"	"	"	"	"	CF1
Surrogate: a,a,a-Trifluorotoluene		*104 %*	*65-140*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*90 %*	*70-125*		"	"	"	"	

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Soma Environmental Eng.	Project: N/A	S608111
6620 Owens Drive, Suite A	Project Number: 2334-Oakland	**Reported:**
Pleasanton CA., 94588	Project Manager: Tony Perini	08/21/06 12:34

Purgeable Hydrocarbons and BTEX by EPA 8015B/8021B - Quality Control

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6H08004 - EPA 5030B [P/T] / EPA 8015B/8021B										
Blank (6H08004-BLK1)				Prepared & Analyzed: 08/08/06						
Gasoline Range Organics (C4-C12)	ND	10	mg/m³ Air							
Gasoline Range Organics (C4-C12)	ND	2.4	ppmv							
Benzene	ND	0.10	mg/m³ Air							
Benzene	ND	0.031	ppmv							
Toluene	ND	0.10	mg/m³ Air							
Toluene	ND	0.027	ppmv							
Ethylbenzene	ND	0.10	mg/m³ Air							
Ethylbenzene	ND	0.023	ppmv							
Xylenes (total)	ND	0.20	mg/m³ Air							
Xylenes (total)	ND	0.047	ppmv							
Methyl tert-butyl ether	ND	0.50	mg/m³ Air							
Methyl tert-butyl ether	ND	0.14	ppmv							
Surrogate: a,a,a-Trifluorotoluene	*7.05*		*mg/m³ Air*	*8.00*		*88*	*65-140*			
Surrogate: a,a,a-Trifluorotoluene	*1.18*		*ppmv*	*1.34*		*88*	*65-140*			
Surrogate: 4-Bromofluorobenzene	*6.28*		*mg/m³ Air*	*8.00*		*78*	*70-125*			
Surrogate: 4-Bromofluorobenzene	*0.878*		*ppmv*	*1.12*		*78*	*70-125*			
Laboratory Control Sample (6H08004-BS1)				Prepared & Analyzed: 08/08/06						
Gasoline Range Organics (C4-C12)	44.4	10	mg/m³ Air	55.0		81	70-115			
Gasoline Range Organics (C4-C12)	12.6	2.4	ppmv	15.6		81	70-115			
Benzene	1.41	0.10	mg/m³ Air	0.970		145	80-150			
Benzene	0.443	0.031	ppmv	0.304		146	80-150			
Toluene	5.11	0.10	mg/m³ Air	4.70		109	75-125			
Toluene	1.36	0.027	ppmv	1.25		109	75-125			
Ethylbenzene	1.04	0.10	mg/m³ Air	0.940		111	75-135			
Ethylbenzene	0.239	0.023	ppmv	0.217		110	75-135			
Xylenes (total)	5.63	0.20	mg/m³ Air	5.30		106	75-135			
Xylenes (total)	1.30	0.047	ppmv	1.22		107	75-135			
Methyl tert-butyl ether	1.16	0.50	mg/m³ Air	1.30		89	60-140			
Methyl tert-butyl ether	0.322	0.14	ppmv	0.361		89	60-140			
Surrogate: a,a,a-Trifluorotoluene	*8.92*		*mg/m³ Air*	*8.00*		*112*	*65-140*			
Surrogate: a,a,a-Trifluorotoluene	*1.49*		*ppmv*	*1.34*		*111*	*65-140*			
Surrogate: 4-Bromofluorobenzene	*6.81*		*mg/m³ Air*	*8.00*		*85*	*70-125*			
Surrogate: 4-Bromofluorobenzene	*0.952*		*ppmv*	*1.12*		*85*	*70-125*			

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Pleasanton CA., 94588	Project Manager: Tony Perini	08/21/06 12:34

Purgeable Hydrocarbons and BTEX by EPA 8015B/8021B - Quality Control

TestAmerica - Morgan Hill, CA

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 6H08004 - EPA 5030B [P/T] / EPA 8015B/8021B										
Laboratory Control Sample Dup (6H08004-BSD1)				Prepared & Analyzed: 08/08/06						
Gasoline Range Organics (C4-C12)	40.5	10	mg/m³ Air	55.0		74	70-115	9	35	
Gasoline Range Organics (C4-C12)	11.5	2.4	ppmv	15.6		74	70-115	9	35	
Benzene	1.21	0.10	mg/m³ Air	0.970		125	80-150	15	35	
Benzene	0.379	0.031	ppmv	0.304		125	80-150	16	35	
Toluene	1.17	0.027	"	1.25		94	75-125	15	30	
Toluene	4.40	0.10	mg/m³ Air	4.70		94	75-125	15	30	
Ethylbenzene	0.894	0.10	"	0.940		95	75-135	15	30	
Ethylbenzene	0.206	0.023	ppmv	0.217		95	75-135	15	30	
Xylenes (total)	4.86	0.20	mg/m³ Air	5.30		92	75-135	15	30	
Xylenes (total)	1.12	0.047	ppmv	1.22		92	75-135	15	30	
Methyl tert-butyl ether	1.06	0.50	mg/m³ Air	1.30		82	60-140	9	30	
Methyl tert-butyl ether	0.295	0.14	ppmv	0.361		82	60-140	9	30	
Surrogate: a,a,a-Trifluorotoluene	*8.25*		*mg/m³ Air*	*8.00*		*103*	*65-140*			
Surrogate: a,a,a-Trifluorotoluene	*1.38*		*ppmv*	*1.34*		*103*	*65-140*			
Surrogate: 4-Bromofluorobenzene	*7.20*		*mg/m³ Air*	*8.00*		*90*	*70-125*			
Surrogate: 4-Bromofluorobenzene	*1.01*		*ppmv*	*1.12*		*90*	*70-125*			

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6620 Owens Drive, Suite A	Project Number: 2334-Oakland	**Reported:**
Pleasanton CA., 94588	Project Manager: Tony Perini	08/21/06 12:34

Notes and Definitions

HT-05	This sample was requested to be analyzed beyond the EPA recommended holding time.
CF1	Primary and confirmation results varied by greater than 40% RPD.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit or MDL, if MDL is specified
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference