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ENVIRONMENTAL ENGINEERING, INC
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February 8, 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:

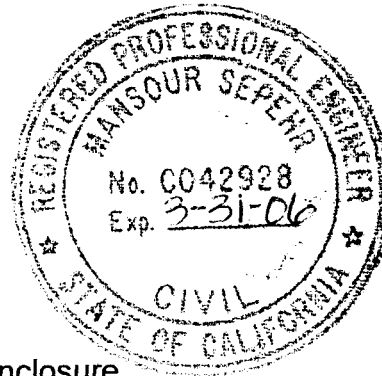
SOMA's "First Quarter 2006 Groundwater Monitoring and Remediation System Operation Report" for the subject property has been uploaded to the State's GeoTracker database for your review.

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

Sincerely,

A handwritten signature in black ink, appearing to read 'Mansour Sepehr', with a long horizontal line extending to the left.

Mansour Sepehr, Ph.D., PE
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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**First Quarter 2006
Groundwater Monitoring and
Remediation System Operation Report
Tony's Express Auto Service**

**3609 International Boulevard
Oakland, California**

February 8, 2006

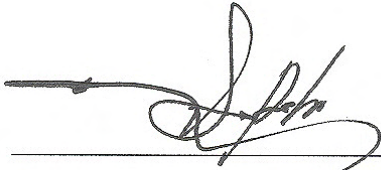
Project 2331

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 First Quarter 2006 groundwater monitoring event.



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



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- Appendix C: Chain of Custody Form and Laboratory Report for the First Quarter 2006 Monitoring Event
- Appendix D: Chain of Custody Forms and Laboratory Reports for the Groundwater Extraction Treatment System

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 First Quarter 2006 groundwater monitoring event conducted at the Site on January 3 and 4, 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 actions.

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. Based on the test results, the sediment was determined to be permeable enough to allow for the operation of an ozone sparging system.

2.0 Results

The following sections provide the results of the field measurements and laboratory analyses for the January 3 and 4, 2006 groundwater monitoring event.

2.1 Field Measurements

As shown in Table 1, the depths to groundwater for the monitoring wells ranged from 6.39 feet in monitoring well MW-7 to 9.18 feet in monitoring well MW-4R. The corresponding groundwater elevations ranged from 28.95 feet in well MW-12 to 34.35 feet in well MW-5. The groundwater elevations for the center, east, and west risers were 27.53 feet, 30.23 feet, and 26.55 feet, respectively.

Figure 3 displays a groundwater elevation contour map. The groundwater flows towards the French drain at an approximate gradient of 0.085 feet/foot. 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 1.86 mg/L in well MW-8 to 3.12 mg/L in well MW-12. ORP showed negative redox potentials in wells MW-1, MW-3, MW-5, MW-6, and MW-8. 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 0.31 mg/L in well MW-7 to the equipment's maximum allowable tolerance range of 3.30 mg/L in wells MW-3. Ferrous iron was not detected in well MW-2 and MW-10.

Nitrate concentrations were below the equipment's minimum allowable level in all the groundwater samples. 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 the groundwater samples collected from wells MW-1, MW-3, MW-6, MW-8, MW-10, and MW-12. Detectable sulfate concentrations ranged from 9 mg/L in well MW-4R to 61 mg/L in well MW-5.

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 170 ug/L in well MW-5 to 55,000 ug/L in well MW-1. Figure 4 displays a contour map of TPH-g concentrations in the groundwater. The TPH-g concentration in the vicinity of the USTs, in well MW-1, was several orders of magnitude higher than the remaining site wells.

In well MW-5, toluene was below the laboratory reporting limit. In well MW-7, both toluene and total xylenes were below the laboratory reporting limit. In well MW-12, all benzene, toluene, ethylbenzene, total xylenes (BTEX) analytes were below the laboratory reporting limit, with the exception of a trace benzene concentration. The highest benzene, toluene, ethylbenzene, and total xylenes concentrations were detected in well MW-1 at 1,100 ug/L, 510 ug/L, 1,100 ug/L, and 4,070 ug/L, respectively.

Figure 5 displays a 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 monitoring wells MW-2, MW-4R, and MW-6. Detectable MtBE concentrations ranged from 1.10 ug/L in wells MW-5 and MW-7 to 2,200 ug/L in well MW-1. Figure 6 displays a contour map of MtBE concentrations (analyzed using EPA Method 8260B) in the groundwater. The highest MtBE concentration was detected in well MW-1, which is in the vicinity of the USTs.

The laboratory report and COC 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 that time, 3,122,610 gallons of groundwater has been treated and discharged under the existing discharge permit (as of January 4, 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.

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 of this report.

The treatment system has removed approximately 198 pounds of hydrocarbons and 85.5 pounds of MtBE, as of January 4, 2006. 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 Soil Vapor Extraction System Operation

The soil vapor extraction (SVE) system consists of 6 vapor extraction wells, a de-moisturizing unit, a blower, and four drums of granulated active carbon (GAC) filters. The vapor extraction system began operating on July 24, 2000. The SVE system has remained in compliance with the Bay Area Air Quality Management District's (BAAQMD's) operating permit. The operating permit for the SVE system was extended by BAAQMD until August 2006.

On November 9, 2005, all four-vapor phase carbon drums were replaced with newer ones. As of November 22, 2005, approximately 814.20 pounds of petroleum hydrocarbons have been removed from the vadose zone beneath the Site. Table 3 presents the total masses of hydrocarbons removed from the Site by the SVE system, as well as the historical operational conditions.

5.0 Conclusions and Recommendations

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

1. The groundwater remediation system is providing excellent hydraulic control in preventing further migration of the contaminants.
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, both benzene and MtBE decreased in well MW-1. In well MW-3, TPH-g, benzene, and MtBE all decreased. In well MW-6, benzene decreased and MtBE remained at a non-detectable level.
4. In general, the GAC and SVE systems have effectively reduced contaminants beneath the Site. Since initial start-up, approximately 198 pounds of hydrocarbons and 85.5 pounds of MtBE have been removed from the groundwater. Approximately 814.2 pounds of petroleum hydrocarbons have been removed from the vadose zone.

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

- Continual monitoring of the treatment system to maintain the removal rate of the contaminant masses in the groundwater;
- Continual site monitoring of the biodegradation parameters to determine if 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
- Based on the results from the quarterly monitoring events, the source area appears to remain in the vicinity of wells MW-1, MW-3, and MW-6. Air sparging should effectively aid in reducing the contaminant

source area. SOMA is currently in the process of installing an air sparging system at the Site.

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 Curtis & Tompkins, Ltd as well as the summaries of data produced by previous environmental consultants. 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)	Chloride (mg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl Benzene (µg/L)	Total Xylenes (µg/L)	MIRE EPA 8260B (µg/L)
MW-1	Oct-94	97.99	15.39	82.60	320,000	24,000	21,000	2,600	15,000	NA
	Dec-94	97.99	9.32	88.67	80,000	3,800	6,600	2,300	11,000	NA
	Mar-95	97.99	8.07	89.92	32,000	190	160	150	490	NA
	Jun-95	97.99	9.53	88.46	21,000	950	650	570	150	NA
	Oct-95	97.99	13.29	84.70	59,000	140	130	140	390	NA
	Jan-96	97.99	10.07	87.92	30,000	71	73	50	120	NA
	Apr-96	97.99	8.29	89.70	31,000	98	120	63	170	NA
	Dec-96	97.99	11.67	86.32	NA	NA	NA	NA	NA	NA
	Apr-97	97.99	11.14	86.85	NA	NA	NA	NA	NA	NA
	Dec-97	97.99	9.30	88.69	27,000	2,300	2,100	1,400	5,100	NA
	Sep-98	97.99	13.58	84.41	NA	NA	NA	NA	NA	NA
	Dec-98	97.99	11.10	86.89	65,000	2,500	2,400	2,300	9,500	160
	Mar-99	97.99	9.91	88.08	17,000	480	860	850	3,000	190
	Jun-99	97.99	11.10	86.89	25,000	1,110	1,460	1,330	5,265	77
	Aug-99	97.99	13.35	84.64	19,750	678	463	893	2,938	38
	Nov-99	97.99	14.45	83.54	10,000	693	15	<5	3,471	50
	Feb-00	97.99	11.20	86.79	40,000	2,280	1,380	8	6,130	47
	May-00	97.99	11.49	86.50	15,610	610	350	310	1,400	<5
	Aug-00	97.99	13.36	84.63	11,000	638	<5	<5	<5	17.1
	Nov-00	97.99	13.20	84.79	7,050	435	52	ND	689	10
Mar-01	97.99	8.96	89.03	14,570	1,005	440	108	2,030	16	
May-01	97.99	11.50	86.49	4,900	310	81	82	388	150	
Aug-01	97.99	13.51	84.48	14,820	852	342	568	1,606	2,000	
Nov-01	97.99	14.01	83.98	41,000	2,700	5,100	1,000	4,570	74,000	
Feb-02	97.99	10.11	87.88	260,000	3,700	12,000	3,700	19,200	23,000	
May-02	97.99	10.86	87.13	53,000	4,400	5,100	1300	7,000	32,000	
Jul-02	40.11	12.80	27.31	29,000	2,400	2,500	920	4,400	13,000	
Oct-02	40.11	15.50	24.61	27,000	2,200	2,400	950	4,500	34,000	

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)	TPHC (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl Benzene (µg/L)	Total Xylenes (µg/L)	MIBE ¹ EPA 8260B (µg/L)
MW-1 cont.	Jan-03	40.11	9.73	30.38	62,000	3,500	6,000	1600	9,700	48,000
	May-03	40.11	9.71	30.40	59,000	3,100	2,700	1500	7,000	14,000
	Jul-03	40.11	12.44	27.67	36,000	4,800	1,800	1300	5,600	25,000
	Oct-03	40.11	13.89	26.22	630,000 H	3,300	1900 C	3600	27,700	15,000
	Jan-04	40.11	10.45	29.66	39,000	3,100	1,600	950	4,300	8,500
	Apr-04	40.11	11.49	28.62	41,000	1,200	350C	830	2,740	4,300
	Aug-04	40.11	13.81	26.30	22,000	2,000	220	560	3,090	6,900
	Dec-04	40.11	11.10	29.01	22,790	1,634	319	895	2,851	5,504
	Mar-05	40.11	8.40	31.71	44,400	3,150	811	1,090	2,856	7,180
	May-05	40.11	9.72	30.39	33,900	3,440	1,700	1,090	2,276	3,210
	Jul-05	40.11	11.31	28.80	50,100	4,350	1,760	1,500	2,853	3,980
	Oct-05	40.11	13.51	26.60	43,100	1,960	325	639	3,080	3,000
	Jan-06	40.11	8.82	31.29	55,000	1,100	510	1,100	4,070	2,200
MW-2	Oct-94	98.58	15.36	83.22	NA	NA	NA	NA	NA	NA
	Dec-94	98.58	8.60	89.98	NA	NA	NA	NA	NA	NA
	Mar-95	98.58	7.68	90.90	490	3	3	3	1	NA
	Jun-95	98.58	9.59	88.99	8,000	220	330	350	660	NA
	Oct-95	98.58	13.42	85.16	46,000	160	130	93	240	NA
	Jan-96	98.58	9.93	88.65	46,000	160	130	93	240	NA
	Apr-96	98.58	8.13	90.45	27,000	0.1	92	44	13	NA
	Dec-96	98.58	11.67	86.91	6,200	11	7	2	14	ND
	Apr-97	98.58	11.40	87.18	53,000	150	110	37	0.12	ND
	Dec-97	98.58	9.04	89.54	35,000	4,900	4,900	1,600	7,000	NA
	Jun-98	98.58	NM	NM	25,000	2,000	2,000	1,300	4,300	NA
	Sep-98	98.58	13.58	85.00	29,000	290	180	160	360	<0.5
	Dec-98	98.58	10.94	87.64	26,000	1,400	1,600	880	9,500	<5
	Mar-99	98.58	7.60	90.98	7,600	730	830	610	1,900	55
	Jun-99	98.58	11.24	87.34	3,500	290	428	211	744	ND
	Aug-99	98.58	13.50	85.08	60	6	9	4	11	ND
	Nov-99	98.58	14.10	84.48	<50	<5	<5	<5	<5	<5
	Feb-00	98.58	9.85	88.73	6,400	372	639	46	134	8
	May-00	98.58	10.88	87.70	2,930	130	330	130	570	<5
	Aug-00	98.58	13.03	85.55	<50	<5	<5	<5	<5	<5
	Nov-00	98.58	12.60	85.98	ND	ND	ND	ND	ND	ND
Mar-01	98.58	8.55	90.03	932	18	34	1.3	225	ND	
May-01	98.58	11.00	87.58	870	37	75	55	179	2.7	
Aug-01	98.58	13.53	85.05	125	4	4	3	11	ND	
Nov-01	98.58	13.43	85.15	470	13	64	22	83	14	

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)	Ethyl Benzene (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl Benzene (µg/L)	Total Xylenes (µg/L)	MIRF EPA #266B (µg/L)
MW-2 cont.	Feb-02	98.58	8.99	89.59	1,700	26	180	95	360	<2
	May-02	98.58	10.59	87.99	1,800	31	140	110	348	<2
	Jul-02	40.71	12.70	28.01	180	11	6.3	9.4	27	<2.0
	Oct-02	40.71	14.23	26.48	<50	<0.5	<0.5	<0.5	0.64	<2.0
	Jan-03	40.71	8.66	32.05	510	5	30.0	24.0	92	<2.0
	May-03	40.71	9.17	31.54	1,300	14	88.0	78.0	271	<2.0
	Jul-03	40.71	12.23	28.48	220	3.9	4.3	7	14.5	<2.0
	Oct-03	40.71	13.65	27.06	170 H	1.9	<0.5	2.2	2.2	<2.0
	Jan-04	40.71	9.54	31.17	860	7.2	37	50	151	<2.0
	Apr-04	40.71	10.80	29.91	730	6.6	19	38	87	<2.0
	Aug-04	40.71	13.54	27.17	220	2.2	1.9	7	11.7	<0.5
	Dec-04	40.71	10.52	30.19	99	1.7	3.3	8.3	25.1	<0.5
	Mar-05	40.71	8.06	32.65	5,690	18.7	120	315	876	<1.0
	May-05	40.71	9.10	31.61	6,320	12.5	75	429	557	<2.15
	Jul-05	40.71	11.10	29.61	7,680	14.1	46.3	522	471	<2.15
	Oct-05	40.71	13.25	27.46	562	4.25	3.28	15	8.29	<0.50
Jan-06	40.71	6.72	33.99	340	2.5	4.4	22	50.2	<0.5	
MW-3	Oct-94	97.78	15.79	81.99	3,000,000	190,000	740,000	310,000	130,000	NA
	Dec-94	97.78	9.79	87.99	250,000	19,000	22,000	4,400	28,000	NA
	Mar-95	97.78	8.69	89.09	350,000	20,000	42,000	5,800	36,000	NA
	Jun-95	97.78	10.25	87.53	350,000	20,000	42,000	5,800	36,000	NA
	Oct-95	97.78	12.91	84.87	150,000	510	410	210	65	NA
	Jan-96	97.78	10.55	87.23	150,000	510	410	210	650	NA
	Apr-96	97.78	8.76	89.02	NA	NA	NA	NA	NA	NA
	Dec-96	97.78	12.02	85.76	NA	NA	NA	NA	NA	NA
	Apr-97	97.78	11.73	86.05	NA	NA	NA	NA	NA	NA
	Dec-97	97.78	NM	NM	NA	NA	NA	NA	NA	NA
	Sep-98	97.78	14.68	83.10	NA	NA	NA	NA	NA	NA
	Dec-98	97.78	11.55	86.23	51,000	5,700	3,900	1,200	6,300	410
	Mar-99	97.78	8.44	89.34	45,000	4,100	6,400	1,000	6,100	470
	Jun-99	97.78	11.8	85.98	46,000	8,245	6,425	1,015	7,173	274
	Aug-99	97.78	13.85	83.93	64,000	7,484	8,052	1,744	9,749	141
	Nov-99	97.78	14.7	83.08	26,000	3,218	1,319	<5	6,697	126
	Feb-00	97.78	10.95	86.83	44,000	6,090	3,360	<5	5,780	276
May-00	97.78	11.68	86.10	68,000	15,000	8,900	1,500	7,400	<5	
Aug-00	97.78	13.73	84.05	76,000	8,900	5,636	883	7,356	176	
Nov-00	97.78	13.4	84.38	48,000	6,789	4,816	676	7,258	83	

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 (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethyl Benzene (ug/L)	Total Xylenes (ug/L)	MtBE EPA 8260B (ug/L)
MW-3 cont.	Mar-01	97.78	9.43	88.35	14,754	2,250	140	ND	1,284	110
	May-01	97.78	11.81	85.97	44,000	5,400	3,100	1,400	6,400	200
	Aug-01	97.78	14.1	83.68	41,750	3,485	2,670	1,255	5,420	52
	Nov-01	97.78	14.32	83.46	NA	NA	NA	NA	NA	NA
	Feb-02	97.78	10.01	87.77	62,000	6,000	7,600	1,900	9,200	12,000
	May-02	97.78	11.28	86.50	54,000	6,700	3,200	1,800	7,100	9,100
	Jul-02	40.91	13.25	27.66	45,000	8,900	1,700	1,600	5,600	2,600
	Oct-02	40.91	14.98	25.93	70,000	4,900	5,100	2,100	11,900	21,000
	Jan-03	40.91	9.79	31.12	35,000	2,900	1,300	860	5,200	13,000
	May-03	40.91	10.01	30.90	48,000	5,800	1,400	1,600	7,400	5,900
	Jul-03	40.91	12.94	27.97	31,000	4,700	990	1,400	5,200	16,000
	Oct-03	40.91	14.29	26.62	30,000	4,400	930	1,600	5,400	7,400
	Jan-04	40.91	10.57	30.34	45,000	2,100	850	1,500	5,700	2,900
	Apr-04	40.91	11.84	29.07	31,000	4,200	590	1,600	4,370	900
	Aug-04	40.91	14.24	26.67	21,000	3,400	370	1,000	2,350	1,100
	Dec-04	40.91	11.32	29.59	6,441	978	109	490	941	201
	Mar-05	40.91	8.87	32.04	22,300	1,280	456	729	1,870	2,400
	May-05	40.91	9.96	30.95	17,600	764	302	735	1,227	1,800
Jul-05	40.91	11.50	29.41	34,600	1,390	492	1,460	2,054	1,090	
Oct-05	40.91	13.78	27.13	15,000	1,290	267	675	838	893	
Jan-06	40.91	7.50	33.41	8,700	650	98	330	860	280	
MW-4	Jan-96	97.85	10.11	87.74	9,300	230	110	10	29	NA
	Apr-96	97.85	8.35	89.50	1,900	12	8	5	14	NA
	Dec-96	97.85	11.58	86.27	4,000	14	6	4	12	ND
	Apr-97	97.85	11.23	86.62	ND	ND	ND	ND	ND	ND
	Dec-97	97.85	9.43	88.42	2,300	410	270	100	1,500	NA
	Jun-98	97.85	NM	NM	1,700	780	160	54	200	NA
	Sep-98	97.85	13.64	84.21	6,200	910	77	68	200	18
	Dec-98	97.85	11.13	86.72	1,400	590	33	28	94	24
	Mar-99	97.85	8.46	89.39	600	200	35	19	56	11
	Jun-99	97.85	11.30	86.55	1,000	298	44	19	64	13
	Aug-99	97.85	13.20	84.65	660	497	41	54	145	6
	Nov-99	97.85	14.10	83.75	<50	<5	<5	<5	<5	<5
	Feb-00	97.85	11.25	86.60	7,800	1,200	61	<5	781	<5
	May-00	97.85	11.46	86.39	552	42	19	16	67	<5
	Aug-00	97.85	13.35	84.50	370	5.08	<5	<5	<5	<5
Nov-00	97.85	13.05	84.80	ND	5.30	ND	ND	8	ND	

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)	EDB (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl Benzene (µg/L)	Total Xylenes (µg/L)	MIBE EPA 8260B (µg/L)
MW-4 cont.	Mar-01	97.85	9.24	88.61	62	ND	ND	3.2	8.7	ND
	May-01	97.85	11.50	86.35	80	12	1.9	4.1	9.8	ND
	Aug-01	97.85	13.80	84.05	133	12	2.2	3.9	9	ND
	Nov-01	97.85	13.68	84.17	670	180	5	17	53	ND
	Feb-02	97.85	9.97	87.88	450	63	4.1	22	28.7	<2
	May-02	97.85	10.81	87.04	570	72	29	27	74	<2
	Jul-02	40.01	12.62	27.39	450	20	24	19	74	<2.0
	Oct-02	40.01	14.34	25.67	320	69	0.99	9	5.49	<2.0
	Jan-03	40.01	9.79	30.22	310	49	2.5	13	26.7	<2.0
	May-03	40.01	9.78	30.23	120	27	1.8	9	14.6	<2.0
	Oct-03	40.01	13.72	26.29	70	12	<0.5	4.7	3.0	<2.0
	Jan-04	40.01	10.55	29.46	230	18	2.1	8.1	17.1	<2.0
	Apr-04	40.01	11.39	28.62	<50	3.8	<0.5	1.6	1.9	<2.0
	Aug-04	40.01	13.68	26.33	<50	1.6	<0.5	0.66	0.53	<2.0
	Dec-04	40.01	10.95	29.06	<50	1.3	<0.5	2.80	<1.0	<0.5
	Mar-05	40.01	8.61	31.40	661	72	4.13	39.7	48.42	<0.5
MW-4R	May-05	40.34	9.88	30.46	7,780	170	11.1	192	121.2	<0.5
	Jul-05	40.34	11.61	28.73	847	25.3	<2.0	28.2	10.9	<0.5
	Oct-05	40.34	13.73	26.61	785	35.5	<2.0	48.2	8.35	<0.50
	Jan-06	40.34	9.18	31.16	2,500	65	3.8	70	62	<0.5
MW-5	Oct-95	99.04	13.57	85.47	1,500	1	1	4	5	NA
	Jan-96	99.04	10.03	89.01	1,500	1	1	4	5	NA
	Apr-96	99.04	8.24	90.80	780	1	1	5	4	NA
	Dec-96	99.04	11.48	87.56	NA	NA	NA	NA	NA	NA
	Apr-97	99.04	11.35	87.69	NA	NA	NA	NA	NA	NA
	Dec-97	99.04	9.15	89.89	790	82	66	59	160	NA
	Jun-98	99.04	NM	NM	400	<5	<5	15	<10	NA
	Sep-98	99.04	13.82	85.22	270	2	1	3	3	<5
	Dec-98	99.04	11.20	87.84	1,400	1	1	ND	2	ND
	Mar-99	99.04	7.73	91.31	650	3	1	16	2	10
	Jun-99	99.04	11.50	87.54	270	4	3	6	4	ND
	Aug-99	99.04	13.55	85.49	120	ND	4	ND	4	ND
	Nov-99	99.04	14.30	84.74	<50	<5	<5	<5	<5	<5
	Feb-00	99.04	9.85	89.19	70	<5	<5	<5	7	<5
	May-00	99.04	11.03	88.01	627.4	7.4	24	12	32.4	<5
Aug-00	99.04	13.22	85.82	<50	<5	<5	<5	<5	<5	
Nov-00	99.04	13.55	85.49	ND	ND	ND	ND	ND	ND	

Table 1
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Monitoring Well	Date	Top Of Casing Elevation ¹ (feet)	Depth to Groundwater (feet)	Groundwater Elevation (feet)	1,1-DCP (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-Benzene (µg/L)	Total Xylenes (µg/L)	MtBE EPA 8260B (µg/L)
MW-5 cont.	Mar-01	99.04	8.67	90.37	382	6.1	1.9	6.6	5.9	ND
	May-01	99.04	11.12	87.92	180	ND	ND	2.1	0.57	4.4
	Aug-01	99.04	13.79	85.25	258	1	1.1	3.4	7.3	1.4
	Nov-01	99.04	13.72	85.32	920	17	160	26	135	40
	Feb-02	99.04	9.04	90.00	290	3.5	2	6.2	6.2	<0.5
	May-02	99.04	10.69	88.35	160	<0.5	0.78 C	2	2.15	2.3
	Jul-02	41.16	12.94	28.22	110	<0.5	<0.5	0.77	<0.5	<0.5
	Oct-02	41.16	14.51	26.65	77	<0.5	<0.5	<0.5	<0.5	<2.0
	Jan-03	41.16	8.73	32.43	450 Y	<0.5	<0.5	4	0.54	2.1
	May-03	41.16	9.24	31.92	130	<0.5	<0.5	1	<0.5	3.1
	Jul-03	41.16	12.45	28.71	300	<0.5	1.9 C	0.76	<0.5	<2.0
	Oct-03	41.16	13.89	27.27	460 H	<0.5	<0.5	<0.5	<0.5	1.9
	Jan-04	41.16	9.60	31.56	160	<0.5	<0.5	0.55 C	<0.5	<5.0
	Apr-04	41.16	11.06	30.10	280	<0.5	0.74C	0.62	<0.5	2.1
	Aug-04	41.16	13.75	27.41	250	<0.5	<0.5	<0.5	<0.5	2
	Dec-04	41.16	10.73	30.43	150	<0.5	<0.5	<0.5	<1.0	2.6
	Mar-05	41.16	8.18	32.98	496	<0.5	<0.5	<0.5	<1.0	1.91
	May-05	41.16	9.22	31.94	360	<0.5	<0.5	<0.5	<1.0	1.72
	Jul-05	41.16	11.30	29.86	267	<0.5	<2.0	<0.5	<1.0	1.74
Oct-05	41.16	13.57	27.59	404	<0.50	<2.0	<0.50	<1.0	0.93	
Jan-06	41.16	6.81	34.35	170	2.2	<0.5	1.8	3.1	1.1	
MW-6	Oct-95	98.77	13.94	84.83	NA	NA	NA	NA	NA	NA
	Jan-96	98.77	10.55	88.22	120,000	350	310	200	610	NA
	Apr-96	98.77	8.76	90.01	NA	NA	NA	NA	NA	NA
	Dec-96	98.77	12.04	86.73	NA	NA	NA	NA	NA	NA
	Apr-97	98.77	11.76	87.01	NA	NA	NA	NA	NA	NA
	Dec-97	98.77	9.30	89.47	NA	NA	NA	NA	NA	NA
	Sep-98	98.77	14.10	84.67	NA	NA	NA	NA	NA	NA
	Dec-98	98.77	11.60	87.17	NA	NA	NA	NA	NA	NA
	Mar-99	98.77	8.40	90.37	37,000	3,900	4,300	1,600	7,000	180
	Jun-99	98.77	11.90	86.87	18,500	2,060	1,650	735	3,170	ND
	Aug-99	98.77	13.90	84.87	42,000	3,806	3,649	1,554	7,996	10
	Nov-99	98.77	14.75	84.02	40,000	1,084	130	<5	10,940	<5
	Feb-00	98.77	10.95	87.82	17,000	1,360	521	<5	4,150	6
	May-00	98.77	11.70	87.07	21,700	1,700	1,200	17	3,600	<5
	Aug-00	98.77	13.78	84.99	24,000	1,306	870	<5	5,162	<5
	Nov-00	98.77	13.40	85.37	19,000	1,387	618	ND	5,250	ND
	May-01	98.77	11.82	86.95	27,000	760	450	1,600	4,270	ND
	Aug-01	98.77	NM	NM	NA	NA	NA	NA	NA	NA
	Nov-01	98.77	NM	NM	NA	NA	NA	NA	NA	NA

Table 1
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3609 International Boulevard, Oakland, California

Monitoring Well	Date	Top Of Casing Elevation ¹ (feet)	Depth to Groundwater (feet)	Groundwater Elevation (feet)	TPH (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl Benzene (µg/L)	Total Xylenes (µg/L)	MIRE EPA 8260B (µg/L)
MW-6 cont.	Oct-95	98.77	14.10	84.67	120,000	350	310	200	610	NA
	Feb-02	98.77	9.92	88.85	14,000	440	180	750	1,020	<10
	May-02	98.77	11.33	87.44	10,000	400	160	470	970	<2
	Jul-02	40.92	13.28	27.64	24,000	1,000	410	1,400	3,770	<20
	Oct-02	40.92	14.93	25.99	22,000	1,200	620	1,300	2,800	<20
	Jan-03	40.92	9.78	31.14	12,000	730	230	740	1,690	<20
	May-03	40.92	9.92	31.00	150,000 H	1,400	780	2,500	8,700	<40
	Jul-03	40.92	12.98	27.94	29,000	1,600	520	1,500	4,400	<200
	Oct-03	40.92	14.35	26.57	36,000	1,300	430	1,600	4,570	<40
	Jan-04	40.92	10.60	30.32	30,000	1,300	320	1,500	3,040	<50
	Apr-04	40.92	11.80	29.12	99,000	1,700	580 C	2,200	5,200	<50
	Aug-04	40.92	14.36	26.56	12,000	580	130	520	1,020	<10
	Dec-04	40.92	11.22	29.70	12,631	649	134	1,009	2,037	<2.15
	Mar-05	40.92	8.94	31.98	18,300	546	126	705	1,069	<2.15
	May-05	40.92	10.02	30.90	38,500	1,290	395	1,550	1,652	<5.50
	Jul-05	40.92	11.78	29.14	50,100	1,510	409	1,900	1,920	<5.50
	Oct-05	40.92	14.04	26.88	9,620	513	97.4	523	422.3	<2.15
Jan-06	40.92	7.86	33.06	13,000	260	79.0	680	750	<4.2	
MW-7	Oct-95	97.83	12.95	84.88	NA	10	12	17	NA	3,300
	Jan-96	97.83	9.57	88.26	3,300	9	12	17	45	NA
	Apr-96	97.83	7.75	90.08	1,900	2	3	5	7	NA
	Dec-96	97.83	10.97	86.86	NA	NA	NA	NA	NA	NA
	Apr-97	97.83	12.95	84.88	NA	NA	NA	NA	NA	NA
	Dec-97	97.83	8.65	89.18	1,400	130	98	75	200	NA
	Jun-98	97.83	NM	NM	620	4	<5	9	<10	NA
	Sep-98	97.83	13.09	84.74	1,800	1	1	1	2	68
	Dec-98	97.83	10.52	87.31	990	5	10	5	20	160
	Mar-99	97.83	7.00	90.83	300	3	1	1	1	62
	Jun-99	97.83	10.70	87.13	320	3	7	4	3	26
	Aug-99	97.83	12.80	85.03	570	5	10	ND	ND	ND
	Nov-99	97.83	13.25	84.58	290	<5	9	<5	<5	12
	Feb-00	97.83	9.50	88.33	80	<5	<5	<5	<5	23
	May-00	97.83	10.52	87.31	494.9	4.9	22	4.2	21.9	29
	Aug-00	97.83	12.63	85.20	80	<5	<5	<5	<5	11.7
	Nov-00	97.83	11.95	85.88	50	ND	ND	ND	ND	9.1
	Mar-01	97.83	8.04	89.79	82	0.97	ND	0.76	ND	78
	May-01	97.83	10.60	87.23	370	ND	9.1	1.3	2.3	28
Aug-01	97.83	13.02	84.81	610	3.7	3	6.2	18.9	10	
Nov-01	97.83	12.83	85.00	1,700	24	220	41	205	69	

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MW-7 cont.	Feb-02	97.83	8.91	88.92	380	<0.5	2.5	2	3.8	78
	May-02	97.83	10.13	87.70	560	15	28.0	9.2	44.0	37
	Jul-02	39.94	12.15	27.79	270	5.3	1.3 C	2.3	8.1	46
	Oct-02	39.94	13.74	26.20	350	<0.5	2.1 C	<0.5	3.1 C	43
	Jan-03	39.94	8.45	31.49	220 Y	<0.5	<0.5	0.78	0.55	19
	May-03	39.94	7.69	32.25	280	<0.5	<0.5	<0.5	<0.5	11
	Jul-03	39.94	11.72	28.22	230	<0.5	1.3 C	<0.5	0.63	5.9
	Oct-03	39.94	13.10	26.84	460	<0.5	<0.5	<0.5	<0.5	5.0
	Jan-04	39.94	9.23	30.71	380	<0.5	1.4 C	<0.5	<0.5	<5.0
	Apr-04	39.94	10.40	29.54	480	<0.5	2.5 C	<0.5	0.90	0.62
	Aug-04	39.94	12.92	27.02	410	<0.5	.81 C	<0.5	<0.5	1.70
	Dec-04	39.94	10.28	29.66	96	<0.5	<0.5	<0.5	<1.0	<0.5
	Mar-05	39.94	7.44	32.50	209	<0.5	<0.5	<0.5	<1.0	1.74
	May-05	39.94	8.53	31.41	262	4.85	2.19	2.36	4.24	0.73
	Jul-05	39.94	10.61	29.33	753	20.6	11.9	16.8	33.23	2.36
	Oct-05	39.94	12.80	27.14	1,690	5.3	2.71	12.6	54	1.93
	Jan-06	39.94	6.39	33.55	250 Y	0.80	<0.5	0.61	<0.5	1.1
MW-8	Oct-95	97.25	12.86	84.39	NA	NA	NA	NA	NA	NA
	Jan-96	97.25	9.79	87.46	94,000	310	250	180	480	NA
	Apr-96	97.25	7.98	89.27	58,000	250	170	140	330	NA
	Dec-96	97.25	11.13	86.12	27,000	88	43	44	80	ND
	Apr-97	97.25	12.95	84.30	24,000	86	55	50	100	ND
	Dec-97	97.25	8.95	88.30	28,000	6,000	1,600	2,100	4,700	NA
	Jun-98	97.25	NM	NM	54,000	4,600	2,800	3,500	7,300	NA
	Sep-98	97.25	13.02	84.23	NA	NA	NA	NA	NA	NA
	Dec-98	97.25	10.75	86.50	61,000	6,300	1,700	2,200	4,400	1,300
	Mar-99	97.25	7.58	89.67	22,000	1,800	470	2,000	2,000	820
	Jun-99	97.25	10.80	86.45	39,500	3,610	1,635	2,175	5,913	988
	Aug-99	97.25	12.75	84.50	58,000	5,379	2,438	3,001	6,960	639
	Nov-99	97.25	13.65	83.60	10,500	92	<5	<5	3,414	769
	Feb-00	97.25	10.85	86.40	44,200	1,080	617	<5	4,160	240
	May-00	97.25	11.15	86.10	25,940	940	130	1,600	3,960	75
	Aug-00	97.25	12.87	84.38	22,000	632	5.38	<5	2,686	37.3
	Nov-00	97.25	12.55	84.70	3,000	278	350	209	980	21
	Mar-01	97.25	8.75	88.50	2,360	81	16	71	270	221
	May-01	97.25	11.15	86.10	3,100	110	28	140	194	410
Aug-01	97.25	12.97	84.28	5,620	153	46	373	345	174	
Nov-01	97.25	13.19	84.06	13,000	600	270	750	1,200	400	

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Monitoring Well	Date	Top Of Casing Elevation ¹ (feet)	Depth to Groundwater (feet)	Groundwater Elevation (feet)	Toluene (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethyl-Benzene (ug/L)	Total Xylenes (ug/L)	MtBE EPA 8260B (ug/L)
MW-8 cont.	Feb-02	97.25	9.88	87.37	240,000	1,400	<25	4,200	6,560	<100
	May-02	97.25	10.32	86.93	9,000	360	56	560	622	2,100
	Oct-02	39.38	13.80	25.58	18,000	950	75	1,400	1,269	700
	Jan-03	39.38	9.48	29.90	8,100	300	29	370	302	1,100
	May-03	39.38	9.48	29.90	18,000	380	33 C	1,000	516	540
	Jul-03	39.38	11.92	27.46	12,000	460	54 C	910	435	890
	Oct-03	39.38	13.09	26.29	16,000	830	87	2,000	675	280
	Jan-04	39.38	10.32	29.06	18,000	330	37 C	860	239	500
	Apr-04	39.38	11.23	28.15	12,000	240	26 C	650	128.8 C	<4
	Aug-04	39.38	13.02	26.36	6,000	310	27	660	56.8 C	<4
	Dec-04	39.38	10.79	28.59	6,650	171	15	360	35	166
	Mar-05	39.38	7.62	31.76	11,400	125	21	418	55.3	865
	May-05	39.38	9.15	30.23	10,100	122	13.2	440	34.73	406
	Jul-05	39.38	10.81	28.57	11,600	213	27.8	854	71.51	184
	Oct-05	39.38	12.81	26.57	6,590	256	27.7	655	48.50	375
	Jan-06	39.38	7.40	31.98	4,800	53	5.2	130	21	210
MW-10	Dec-96	94.54	10.44	84.10	NA	NA	NA	NA	NA	NA
	Apr-97	94.54	10.07	84.47	1,000	21	9	3	3	ND
	Dec-97	94.54	8.78	85.76	10,000	5,300	76	1,100	780	NA
	Sep-98	94.54	11.93	82.61	9,900	5,400	66	970	620	2,600
	Dec-98	94.54	10.19	84.35	8,700	3,800	51	790	420	1,800
	Mar-99	94.54	7.30	87.24	4,100	15	28	420	250	2,800
	Jun-99	94.54	9.95	84.59	4,200	1,168	34	264	154	1,195
	Aug-99	94.54	11.60	82.94	3,250	2,135	97	600	248	1,800
	Nov-99	94.54	12.50	82.04	2,950	1,134	20	<5	70	652
	Feb-00	94.54	9.25	85.29	<50	<5	<5	<5	<5	448
	May-00	94.54	9.45	85.09	4,400	1,500	25	390	107.1	580
	Aug-00	94.54	11.52	83.02	6,800	1,055	26	54	53.8	1,283
Nov-00	94.54	11.35	83.19	ND	ND	ND	ND	ND	145	

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 EPA 8260B (µg/L)
MW-10 cont.	Mar-01	94.54	8.07	86.47	4,935	969	18	41	72	630
	May-01	94.54	9.80	84.74	2,900	630	11	200	31	270
	Aug-01	94.54	11.64	82.90	242	35	1	11	2	64
	Nov-01	94.54	12.06	82.48	3,500	900	260	310	258	410
	Feb-02	94.54	8.28	86.26	4,700	1,100	20	370	63.7	500
	May-02	94.54	9.49	85.05	3,400	660	13	260	48.0	270
	Jul-02	36.71	10.93	25.78	160	26	0.55	8.1	1.0	72
	Oct-02	36.71	12.54	24.17	550	130	3.00	31.0	2.7	70
	Jan-03	36.71	8.23	28.48	17,000	870	11	290	27	270
	May-03	36.71	8.30	28.41	2,500	650	10	190	15.81 C	180
	Jul-03	36.71	10.76	25.95	750	160	4	58	6.66 C	79
	Oct-03	36.71	11.91	24.80	2,000	410	11	170	9.14 C	110
	Jan-04	36.71	8.91	27.80	4,000	600	15	280	15.3 C	110
	Apr-04	36.71	9.62	27.09	5,100	580	<1	330	26.4	160
	Aug-04	36.71	11.50	25.21	3,400	550	13	240	17.0	100
	Dec-04	36.71	9.29	27.42	2,524	556	10	184	16.0	144
	Mar-05	36.71	7.48	29.23	4,340	354	6.07	166	17.1	258
	May-05	36.71	8.24	28.47	4,750	415	6.87	254	10.4	126
	Jul-05	36.71	9.78	26.93	6,050	594	9.53	297	10.7	190
	Oct-05	36.71	11.32	25.39	6,230	811	11.3	355	5.6	167
Jan-06	36.71	6.81	29.90	2,000	350	6.0	210	16	88	
MW-11	Dec-96	95.94	11.99	83.95	NA	NA	NA	NA	NA	NA
	Apr-97	95.94	11.47	84.47	NA	NA	NA	NA	NA	NA
	Dec-97	95.94	10.40	85.54	710	66	97	59	190	NA
	Jun-98	95.94	NM	NM	1,100	45	24	71	100	NA
	Sep-98	95.94	13.24	82.70	170	7	1	4	9	22
	Dec-98	95.94	11.58	84.36	650	27	4	25	33	>0.5
	Mar-99	95.94	8.81	87.13	710	30	6	53	84	8
	Jun-99	95.94	11.50	84.44	4,600	1,240	35	290	159	1,291
	Aug-99	95.94	12.75	83.19	170	4	4	ND	6	ND
	Nov-99	95.94	13.85	82.09	<50	<5	<5	<5	<5	<5
	Feb-00	95.94	13.60	82.34	700	20	15	<5	35	<5
	May-00	95.94	13.80	82.14	477	27	13	9.5	29.0	<5
	Aug-00	95.94	14.87	81.07	590	10.5	5.94	<5	7.75	<5
	Nov-00	95.94	12.55	83.39	60	ND	ND	ND	ND	ND
	Mar-01	95.94	9.61	86.33	273	8.6	2.1	10	14	ND
	May-01	95.94	11.15	84.79	280	12	8.3	3.3	9.8	12
Aug-01	95.94	13.04	82.90	NA	NA	NA	NA	NA	NA	
Nov-01	95.94	13.48	82.46	300	7.9	26	5.1	28.9	ND	

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)	1,1-Dichloroethane (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl Benzene (µg/L)	Total Xylenes (µg/L)	MIRE EPA 8260B (µg/L)
MW-11 cont.	May-02	95.94	10.99	84.95	280	16	3	7.6	7.6	<2
	Jul-02	NS	13.24	NC	120	5.6	<0.5	0.61	0.53	<2.0
	Oct-02	NS	NM	NC	NA	NA	NA	NA	NA	NA
	Jan-03	NS	9.76	NC	700	32	5.7	25	14.10	<2.0
	May-03	NS	9.66	NC	280	17	1.5 C	8	4.10	<2.0
	Jul-03	NS	12.30	NC	340	19 C	3.2	0.58	0.89	<2.0
	Oct-03	NS	13.38	NC	210	5.0 C	<0.5	<0.5	<0.5	<0.5
	Jan-04	NS	NM	NC	NA	NA	NA	NA	NA	NA
	Apr-04	NS	NM	NC	NA	NA	NA	NA	NA	NA
	Aug-04	NS	NM	NC	NA	NA	NA	NA	NA	NA
	Dec-04	NS	10.54	NC	486	24	3.0	18	4.00	<0.5
	Mar-05	NS	NM	NC	NA	NA	NA	NA	NA	NA
	May-05	NS	NM	NC	NA	NA	NA	NA	NA	NA
	Jul-05	NS	NM	NC	NA	NA	NA	NA	NA	NA
	Oct-05	NS	NM	NC	NA	NA	NA	NA	NA	NA
	Jan-06	NS	NM	NC	NA	NA	NA	NA	NA	NA
MW-12	Nov-99	94.84	13.20	81.64	80	<5	<5	<5	<5	229
	Feb-00	94.84	10.20	84.64	4,000	351	37	<5	24	513
	May-00	94.84	10.48	84.36	3,930	230	10	34	12	200
	Aug-00	94.84	12.07	82.77	1,730	15.4	12.4	<5	<5	185
	Nov-00	94.84	12.05	82.79	1,010	9.3	19.0	ND	7.40	215
	Mar-01	94.84	9.04	85.80	1,517	13	5.6	5.5	11	214
	May-01	94.84	10.52	84.32	31,000	1,200	ND	95	165	1,900
	Aug-01	94.84	12.24	82.60	2,090	71	1.8	3	4	142
	Nov-01	94.84	12.76	82.08	3,000	81	69	13	73	120
	Feb-02	94.84	8.78	86.06	2,500	77	<0.5	5.7	7.4	95
	May-02	94.84	10.26	84.58	2,700	74	<0.5	20	5.1	94
	Jul-02	36.84	10.93	25.91	2,200	57	<0.5	11	2.6	100
	Oct-02	36.84	13.13	23.71	2,600	71	<0.5	<0.5	10.3	84
	Jan-03	36.84	9.23	27.61	2,300	65	<0.5	1	4.00	86
	May-03	36.84	9.24	27.60	2,200	58	<0.5	4.2 C	4.1 C	96
	Jul-03	36.84	11.44	25.40	2,200	32 C	16 C	<0.5	9.20	66
	Oct-03	36.84	12.50	24.34	2,200 H	31 C	<0.5	<0.5	3.5 C	49
	Jan-04	36.84	9.56	27.28	1,700	24 C	14 C	3	5.00	72
	Apr-04	36.84	10.21	26.63	2,000	11 C	<0.5	<0.5	5 C	36
	Aug-04	36.84	12.00	24.84	1,900	8.9 C	<0.5	<0.5	1.1 C	26
	Dec-04	36.84	10.03	26.81	1,018	2	<0.5	<0.5	<1.0	26
	Mar-05	36.84	8.49	28.35	1,890	4.25	<0.5	6.38	<1.0	30.6
May-05	36.84	9.07	27.77	1,080	<0.5	<0.5	<0.5	<1.0	20.6	
Jul-05	36.84	10.43	26.41	1,580	2.71	<2.0	3.33	<1.0	29.3	
Oct-05	36.84	12.08	24.76	1,560	0.74	<2.0	<0.50	<1.0	28.1	
Jan-06	36.84	7.89	28.95	480 Y	13	<0.5	<0.5	<0.5	30	

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)	1PH-g (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-Benzene (µg/L)	Total Xylenes (µg/L)	MtBE EPA 8260B (µg/L)
FDC	Feb-00	97.10	15.40	81.70	NA	NA	NA	NA	NA	NA
	May-00	97.10	12.41	84.69	NA	NA	NA	NA	NA	NA
	Aug-00	97.10	15.70	81.40	NA	NA	NA	NA	NA	NA
	Nov-00	97.10	16.85	80.25	NA	NA	NA	NA	NA	NA
	Mar-01	97.10	9.39	87.71	NA	NA	NA	NA	NA	NA
	May-01	97.10	15.85	81.25	NA	NA	NA	NA	NA	NA
	Aug-01	97.10	13.30	83.80	NA	NA	NA	NA	NA	NA
	Nov-01	97.10	17.82	79.28	NA	NA	NA	NA	NA	NA
	Feb-02	97.10	16.74	80.36	NA	NA	NA	NA	NA	NA
	May-02	97.10	10.36	86.74	NA	NA	NA	NA	NA	NA
	Jul-02	39.35	11.93	27.42	NA	NA	NA	NA	NA	NA
	Oct-02	39.35	13.74	25.61	NA	NA	NA	NA	NA	NA
	Jan-03	39.35	15.18	24.17	NA	NA	NA	NA	NA	NA
	May-03	39.35	16.20	23.15	NA	NA	NA	NA	NA	NA
	Jul-03	39.35	16.45	22.90	NA	NA	NA	NA	NA	NA
	Oct-03	39.35	16.53	22.82	NA	NA	NA	NA	NA	NA
	Jan-04	39.35	13.74	25.61	NA	NA	NA	NA	NA	NA
	Apr-04	39.35	16.30	23.05	NA	NA	NA	NA	NA	NA
	Aug-04	39.35	16.05	23.30	NA	NA	NA	NA	NA	NA
	Dec-04	39.35	14.56	24.79	NA	NA	NA	NA	NA	NA
Mar-05	39.35	13.55	25.80	NA	NA	NA	NA	NA	NA	
May-05	39.35	14.88	24.47	NA	NA	NA	NA	NA	NA	
Jul-05	39.35	14.32	25.03	NA	NA	NA	NA	NA	NA	
Oct-05	39.35	14.99	24.36	NA	NA	NA	NA	NA	NA	
Jan-06	39.35	11.82	27.53	NA	NA	NA	NA	NA	NA	
FDE	May-00	97.90	13.22	84.68	NA	NA	NA	NA	NA	NA
	Aug-00	97.90	NM	NM	NA	NA	NA	NA	NA	NA
	Nov-00	97.90	12.75	85.15	NA	NA	NA	NA	NA	NA
	Mar-01	97.90	9.14	88.76	NA	NA	NA	NA	NA	NA
	May-01	97.90	13.05	84.85	NA	NA	NA	NA	NA	NA
	Aug-01	97.90	13.69	84.21	NA	NA	NA	NA	NA	NA
	Nov-01	97.90	13.92	83.98	NA	NA	NA	NA	NA	NA
	Feb-02	97.90	13.18	84.72	NA	NA	NA	NA	NA	NA
	May-02	97.90	11.18	86.72	NA	NA	NA	NA	NA	NA
	Jul-02	40.06	12.81	27.25	NA	NA	NA	NA	NA	NA
	Oct-02	40.06	14.53	25.53	NA	NA	NA	NA	NA	NA
	Jan-03	40.06	13.13	26.93	NA	NA	NA	NA	NA	NA
	May-03	40.06	11.79	28.27	NA	NA	NA	NA	NA	NA
	Jul-03	40.06	13.10	26.96	NA	NA	NA	NA	NA	NA
	Oct-03	40.06	13.85	26.21	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)	1,1,1- TPE (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethyl Benzene (µg/L)	Total Xylenes (µg/L)	MIBE EPA 8260B (µg/L)
FDE cont.	Jan-04	40.06	13.27	26.79	NA	NA	NA	NA	NA	NA
	Apr-04	40.06	13.20	26.86	NA	NA	NA	NA	NA	NA
	Aug-04	40.06	14.97	25.09	NA	NA	NA	NA	NA	NA
	Dec-04	40.06	14.25	25.81	NA	NA	NA	NA	NA	NA
	Mar-05	40.06	12.50	27.56	NA	NA	NA	NA	NA	NA
	May-05	40.06	13.93	26.13	NA	NA	NA	NA	NA	NA
	Jul-05	40.06	13.98	26.08	NA	NA	NA	NA	NA	NA
	Oct-05	40.06	13.60	26.46	NA	NA	NA	NA	NA	NA
	Jan-06	40.06	9.83	30.23	NA	NA	NA	NA	NA	NA
	FDW	May-00	96.90	12.20	84.70	NA	NA	NA	NA	NA
Aug-00		96.90	NM	NM	NA	NA	NA	NA	NA	NA
Nov-00		96.90	15.50	81.40	NA	NA	NA	NA	NA	NA
Mar-01		96.90	10.12	86.78	NA	NA	NA	NA	NA	NA
May-01		96.90	13.50	83.40	NA	NA	NA	NA	NA	NA
Aug-01		96.90	13.08	83.82	NA	NA	NA	NA	NA	NA
Nov-01		96.90	14.31	82.59	NA	NA	NA	NA	NA	NA
Feb-02		96.90	12.78	84.12	NA	NA	NA	NA	NA	NA
May-02		96.90	10.14	86.76	NA	NA	NA	NA	NA	NA
Jul-02		39.16	11.79	27.37	NA	NA	NA	NA	NA	NA
Oct-02		39.16	13.50	25.66	NA	NA	NA	NA	NA	NA
Jan-03		39.16	12.13	27.03	NA	NA	NA	NA	NA	NA
May-03		39.16	10.84	28.32	NA	NA	NA	NA	NA	NA
Jul-03		39.16	12.12	27.04	NA	NA	NA	NA	NA	NA
Oct-03		39.16	13.48	25.68	NA	NA	NA	NA	NA	NA
Jan-04		39.16	13.58	25.58	NA	NA	NA	NA	NA	NA
Apr-04		39.16	13.90	25.26	NA	NA	NA	NA	NA	NA
Aug-04		39.16	15.69	23.47	NA	NA	NA	NA	NA	NA
Dec-04		39.16	14.85	24.31	NA	NA	NA	NA	NA	NA
Mar-05		39.16	13.10	26.06	NA	NA	NA	NA	NA	NA
May-05		39.16	14.60	24.56	NA	NA	NA	NA	NA	NA
Jul-05		39.16	15.10	24.06	NA	NA	NA	NA	NA	NA
Oct-05		39.16	13.34	25.82	NA	NA	NA	NA	NA	NA
Jan-06	39.16	12.61	26.55	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 (mg/L)	Benzene (mg/L)	Toluene (mg/L)	Ethyl-Benzene (mg/L)	Total Xylenes (mg/L)	MtBE - EPA 8260B (µg/L)
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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

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

Month	Date	Meter	Lab Results For Effluent ¹ and GAC-1					
		Reading (gallons)	(concentrations in ug/L)					
			MtBE ²	TPH-g	Benzene	Toluene	Ethylbenzene	Total Xylenes
2006								
January	1/4/2006	3,122,610	<0.5 <0.5	<50 <50	<0.5 <0.5	<0.5 <0.5	<0.5 <0.5	<0.5 <0.5
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
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
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

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

Month	Date	Meter	Lab Results For Effluent ¹ and GAC-1						Total Xylenes
		Reading (gallons)	(concentrations in ug/L)						
			MtBE ²	TPH-g	Benzene	Toluene	Ethylbenzene		
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						
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 Eb mud						
	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

Month	Date	Meter	Lab Results For Effluent ¹ and GAC-1					Ethylbenzene	Total Xylenes
		Reading (gallons)	(concentrations in ug/L)						
			MtBE ²	TPH-g	Benzene	Toluene			
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	
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	

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

Month	Date	Meter	Lab Results For Effluent ¹ and GAC-1					
		Reading (gallons)	(concentrations in ug/L)					
			MtBE ²	TPH-g	Benzene	Toluene	Ethylbenzene	Total Xylenes
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
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

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

Month	Date	Meter	Lab Results For Effluent ¹ and GAC-1						Total Xylenes
		Reading (gallons)	(concentrations in ug/L)						
			MtBE ²	TPH-g	Benzene	Toluene	Ethylbenzene		
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						
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

Month	Date	Meter	Lab Results For Effluent ¹ and GAC-1					Total Xylenes
		Reading (gallons)	(concentrations in ug/L)					
			MtBE ²	TPH-g	Benzene	Toluene	Ethylbenzene	
June	6/29/2001	1,224,600	NA ND	NA ND	NA ND	NA ND	NA ND	NA 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	NA ND	NA ND	NA ND	NA ND	NA ND
	4/6/2001	1,065,540	NA NA	NA NA	NA NA	NA NA	NA NA	NA NA
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	
	3/1/2002	NR	system re-started after carbon change-out					
February	2/28/2002	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

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

Month	Date	Meter	Lab Results For Effluent ¹ and GAC-1					Ethylbenzene	Total Xylenes
		Reading (gallons)	(concentrations in ug/L)						
			MtBE ²	TPH-g	Benzene	Toluene			
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	
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

Month	Date	Meter	Lab Results For Effluent ¹ and GAC-1					
		Reading (gallons)	(concentrations in ug/L)					
			MtBE ²	TPH-g	Benzene	Toluene	Ethylbenzene	Total Xylenes
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 (ft ³ /min)	Time Elapsed (Hours)	Air Flow (Liters)	Mass Removed ¹ (Pounds)
		Influent	Effluent				
7/24/2000	5:00 PM	394	0	85	0.0	0	0.00
7/25/2000	5:15 PM	38	2	95	24.3	3,911,768	1.35
7/26/2000	5:05 PM	207	1	80	24.0	3,260,160	6.15
7/27/2000	9:00 AM	160	5	92	16.0	2,499,456	3.64
7/28/2000	4:30 PM	141	7	87	31.5	4,653,369	5.98
7/29/2000	1:30 PM	225	8	85	21.0	3,030,930	6.21
7/30/2000	9:00 AM	226	12	85	19.5	2,814,435	5.79
7/31/2000	3:00 PM	141	5	85	30.0	4,329,900	5.56
8/1/2000	5:00 PM	135	4	80	26.0	3,531,840	4.34
8/2/2000	4:00 PM	80	4	80	23.0	3,124,320	2.28
8/3/2000	5:00 PM	60	5	85	25.0	3,608,250	1.97
8/4/2000	3:00 PM	57	4	85	22.0	3,175,260	1.65
8/5/2000	2:00 PM	97	8	87	23.0	3,397,698	3.00
8/6/2000	12:00 PM	114	8	80	22.0	2,988,480	3.10
8/7/2000	12:00 PM	93	9	85	24.0	3,463,920	2.93
8/8/2000	4:30 PM	152	10	85	16.5	2,381,445	3.30
8/10/2000	10:00 AM	173	1	85	41.5	5,989,695	9.44
8/11/2000	7:00 AM	78	4	70	21.0	2,496,060	1.77
8/12/2000	9:00 AM	100	6	70	26.0	3,090,360	2.82
8/13/2000	5:00 PM	107	9	70	34.0	4,041,240	3.94
8/14/2000	12:30 PM	122	5	70	19.5	2,317,770	2.58
8/15/2000	6:00 PM	103	12	70	17.5	2,080,050	1.95
8/16/2000	12:30 PM	112	0	70	18.5	2,198,910	2.24
8/18/2000	9:00 AM	90	0	75	44.5	5,667,075	4.65
8/21/2000	12:00 PM	74	5	80	75.0	10,188,000	6.87
8/24/2000	12:00 PM	68	13	80	72.0	9,780,480	6.06
8/27/2000	12:30 PM	68.5	2	80	72.5	9,848,400	6.15
8/31/2000	1:30 PM	52	6	80	97.0	13,176,480	6.24
9/4/2000	12:30 PM	54	5	80	95.0	12,904,800	6.35
9/7/2000	12:00 PM	55	3	80	71.5	9,712,560	4.87
9/11/2000	4:30 PM ²	141	0	80	100.5	13,651,920	17.54
9/14/2000	9:30 AM	56	5	80	65.0	8,829,600	4.50
9/18/2000	2:00 PM	46	9.5	80	101.5	13,787,760	5.78
9/18/2000	4:30 PM ³	34	0	80	2.5	339,600	0.11
9/21/2000	4:30 PM	43	1	80	72.0	9,780,480	3.83
9/25/2000	5:30 PM	55	6	80	97.0	13,176,480	6.60
9/28/2000	9:00 AM	47.5	7.5	80	63.5	8,625,840	3.73

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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 (ft ³ /min)	Time Elapsed (Hours)	Air Flow (Liters)	Mass Removed ¹ (Pounds)
		Influent	Effluent				
10/1/2000	1:00 PM	38.5	6	80	76.0	10,323,840	3.62
10/5/2000	3:00 PM ⁴	28.5	3	80	98.0	13,312,320	3.46
10/5/2000	5:00 PM	36	0	80	2.0	271,680	0.09
10/8/2000	3:00 PM	28.5	3	80	70.0	9,508,800	2.47
10/14/2000	3:00 PM	24.5	2.5	80	144.0	19,560,960	4.37
10/17/2000	2:00 PM	36.5	3.5	80	71.0	9,644,640	3.21
10/20/2000	8:30 AM	18.5	3.5	80	66.5	9,033,360	1.52
10/25/2000	2:00 PM	38	3.7	80	125.5	17,047,920	5.90
10/29/2000	10:00 AM	35	4	80	93.0	12,633,120	4.03
11/2/2000	4:00 PM	30.5	4	80	102.0	13,855,680	3.85
11/7/2000	4:00 PM	30	6	80	120.0	16,300,800	4.46
11/19/2000	12:00 PM	92.7	5.5	80	284.0	38,578,560	32.57
11/24/2000	1:30 PM	25	6.5	80	121.5	16,504,560	3.76
11/29/2000	3:00 PM	14.5	3.5	80	121.5	16,504,560	2.18
12/4/2000	4:30 PM	10.7	1	80	121.5	16,504,560	1.61
12/13/2000	3:30 PM	24	3	80	263.0	35,725,920	7.81
12/28/2000	2:30 PM	10	6	85	359.0	51,814,470	4.72
2001							
1/4/2001 ⁵	2:00 PM	8.7	3.7	85	167.5	24,175,275	1.92
8/8/2001	3:00 PM	217	0	85	0.5	72,165	0.14
9/6/2001	12:00 PM	85	0	85	693.0	100,020,690	77.45
9/13/2001	4:00 PM	186	8	85	172.0	24,824,760	42.07
9/18/2001	3:00 PM	184	9	85	119.0	17,175,270	28.79
9/21/2001 ⁶		--	--	--	NC	NC	NC
10/12/01 ⁷		--	--	--	NC	NC	NC
10/23/2001	5:00 PM	114	58	87	0.5	73,863	0.08
10/25/01 ⁴	3:00 PM	133	0	85	46.0	6,639,180	8.04
10/29/2001 ⁸	1:20 PM	569	0	85	94.5	13,639,185	70.70
11/7/2001	3:30 PM	177	0	87	218.0	32,204,268	51.93
11/16/2001	3:00 PM	117	0	87	215.5	31,834,953	33.93
11/21/01 ⁹	12:00 PM	85	72	87	117.0	17,283,942	13.38
2002							
2/15/02 ¹⁰	4:30 PM	49	0	80	0.5	67,920	0.03
2/16/2002	3:45 PM	50	0	80	23.3	3,158,280	1.44
2/21/2002	4:00 PM	37	4	80	120.3	16,334,760	5.51
2/27/2002	10:30 AM	11	0	83	138.5	19,519,359	1.96
3/7/02 ¹¹	12:20 PM	10		80	194.0	26,352,960	2.40
2003							
6/12/2002 ¹²	4:15 PM	53	2	75	NA	NA	NA
6/17/2002	11:00 AM	28	2	80	120.0	16,306,560	4.16
6/24/2002	11:20 AM	24	3.1	80	168.3	22,866,400	5.00

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 (ft ³ /min)	Time Elapsed (Hours)	Air Flow (Liters)	Mass Removed ¹ (Pounds)
		Influent	Effluent				
7/5/2002	1:25 PM	20	5	80	266.0	36,133,440	6.58
7/11/2002	3:30 PM	26	8.0	80	146.0	19,832,640	4.70
7/23/2002	10:10 AM	28	7.5	83	282.8	39,849,089	10.16
8/9/2002	12:20 PM	7.5	0	80	410.3	55,728,360	3.81
8/15/2002 ¹¹	3:00 PM	7.0	1	80	146.5	19,900,560	1.27
8/23/2002 ¹³	3:20 PM	NC	NC	NC	NC	NC	NC
8/26/2002	11:15 AM	14.0	2.0	80	71.8	9,757,387	1.24
9/11/2002	10:10 AM	34.4	0	80	383.0	52,020,588	16.30
9/19/2002	10:55 AM	8.8	1.1	80	192.8	26,183,160	2.10
9/25/2002	10:30 AM	18.8	1.8	80	143.5	19,493,040	3.34
10/2/2002	8:10 AM	17.1	2.5	80	165.70	22,508,688	3.51
10/9/2002		PID malfunction		80	NC	NC	NC
10/16/2002	1:45 PM	17.0	4.0	80	341.50	46,389,360	7.18
10/24/2002	10:00 AM	16.5	6.4	80	188.25	25,571,880	3.84
11/1/2002	10:00 AM	21.1	0.0	85	192.00	27,711,360	5.33
11/6/2002	10:12 AM	PID malfunction		87	NC	NC	NC
11/7/2002	11:00 AM	17.5	0.0	85	24.75	3,572,168	0.57
11/13/2002	11:30 AM	15.0	0.0	85	144.50	20,855,685	2.85
11/22/2002	2:30 PM	6.6	0.0	80	219.00	29,748,960	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	0.00
5/12/2003	10:30 AM	0.4	0.3	85	72.00	10,391,760	0.04
5/21/2003	11:00 AM	2.2	2.2	83	216.50	30,512,211	0.61
6/4/2003	10:30 AM	2.5	0.1	82	335.50	46,713,678	1.06
6/10/2003	10:30 AM	2.2	0.08	82	144.00	20,049,984	0.40
6/16/2003	12:15 PM	2.1	0.07	82	146.25	20,363,265	0.39
6/24/2003	4:55 PM	2.6	0.08	82	196.75	27,394,683	0.65
6/30/2003	11:30 AM	2.2	0.1	82	138.50	19,284,186	0.39
7/16/2003	12:00 PM	2.2	0.22	82	384.50	53,536,242	1.07
7/21/2003	10:50 AM	2.1	0.21	82	119.00	16,569,084	0.32
7/28/2003	11:15 AM	2.2	0.22	82	168.25	23,426,457	0.47
8/11/2003	12:15 PM	2.1	0.21	82	337.00	46,922,532	0.90
8/19/2003	10:05 AM	2.1	0.22	82	190.00	26,454,840	0.51
8/25/2003	11:30 AM	2.2	0.23	81	169.50	23,312,691	0.47
9/2/2003	10:50 AM	2.1	0.21	80	192.00	26,081,280	0.50
9/8/2003	2:10 PM	9.1	3.19	83	147.30	20,759,578	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	3.19

Table 3
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3609 International Boulevard, Oakland, California

Date	Time	PID (ppmv)		Flow Rate (ft ³ /min)	Time Elapsed (Hours)	Air Flow (Liters)	Mass Removed ¹ (Pounds)
		Influent	Effluent				
10/1/2003	10:30 AM	6.5	0.2	85	213.00	30,742,290	1.82
10/6/2003	11:00 AM	7	0.3	85	120.50	17,391,765	1.11
10/13/2003	11:15 AM	5	0.2	85	168.25	24,283,523	1.11
10/29/2003	10:00 AM	2.4	0	85	382.75	55,242,308	1.21
11/3/2003	11:30 AM	3	0	85	121.50	17,536,095	0.48
11/10/2003	11:10 AM	3.5	0	85	167.67	24,199,330	0.77
11/17/2003	1:50 PM	4.1	0	85	170.70	24,637,131	0.92
11/24/2003	11:00 AM	3.8	0	85	165.20	23,843,316	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	0.004
4/12/2004	10:30 AM	6.5	0.2	83	165.5	23,324,577	1.38
4/20/2004	12:00 PM	7.1	0.9	84	193.5	27,599,292	1.79
4/23/2004	11:00 AM	7.2	2.3	80	71	9,644,640	0.63
5/3/2004	12:00 PM	7.1	3.4	80	241	32,737,440	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	1.15
5/26/2004	11:00 AM	3.8	0.5	82	215	29,935,740	1.04
6/1/2004	1:00 PM	3.6	0.9	82	122	16,986,792	0.56
6/7/2004	11:50 AM	3.2	0	82	142.9	19,896,824	0.58
6/14/2004	11:50 AM	10.9	0	86	168	24,532,704	2.44
6/21/2004	10:50 AM	13.5	0	83	167	23,535,978	2.89
6/28/2004	11:50 AM	10.9	0.5	85	169	24,391,770	2.42
7/2/2004	11:30 AM	8.7	0	85	95.8	13,826,814	1.10
7/13/2004	2:00 PM	9.1	0.22	85	266.5	38,463,945	3.19
7/21/2004	12:00 PM	8.9	0.5	85	190	27,422,700	2.22
7/26/2004	11:50 AM	8.5	0.4	85	119.5	17,247,435	1.34
8/2/2004	11:30 AM	4.9	0.1	85	167.8	24,218,574	1.08
8/9/2004	11:50 AM	5.6	0.2	85	168.3	24,290,739	1.24
8/16/2004	12:00 PM	6	0.4	85	168.1	24,261,873	1.33
8/24/2004	11:50 AM	6.2	1.2	85	191.9	27,696,927	1.56
8/30/2004	11:30 AM	6	0.4	85	143.66	20,734,448	1.13
9/7/2004	1:05 PM	5.5	0.8	85	193.5	27,927,855	1.40
9/13/2004	12:05 PM	5.3	0.9	85	143	20,639,190	1.00
9/20/2004	11:08 AM	7	2.9	85	167	24,103,110	1.54
9/27/2004	2:50 PM	6.5	2.1	85	171.75	24,788,678	1.47

Table 3
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3609 International Boulevard, Oakland, California

Date	Time	PID (ppmv)		Flow Rate (ft ³ /min)	Time Elapsed (Hours)	Air Flow (Liters)	Mass Removed ¹ (Pounds)
		Influent	Effluent				
10/4/2004	11:30 AM	6.9	3	85	164.55	23,749,502	1.49
10/13/2004	10:30 AM	6.5	2.9	85	215	31,030,950	1.84
10/18/2004	2:30 PM	6	1.5	85	124	17,896,920	0.98
10/28/2004	2:00 PM	3.1	0.9	85	239.5	34,567,035	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	1.43
4/25/2005	5:30 PM	6	0.7	85	174.33	25,161,626	1.38
5/4/2005	11:20 AM	0.4	0	85	209.83	30,285,341	0.11
5/9/2005	11:00 AM	1	0.4	85	119.67	17,271,538	0.16
5/16/2005	10:15 AM	3	0	85	167.25	24,139,193	0.66
5/23/2005	11:05 AM	0.4	0	90	168.83	25,801,110	0.09
6/3/2005	3:30 PM	0.2	0	90	268.48	41,029,114	0.07
6/9/2005	3:00 PM	0.2	0	90	143.50	21,929,670	0.04
6/15/2005	2:15 PM	1	0	85	143.25	20,675,273	0.19
6/20/2005	12:00 PM	0.6	0	88	117.75	17,594,676	0.10
6/26/2005	12:00 PM	0.5	0	85	144.00	20,783,520	0.09
7/7/2005	2:45 PM	0.2	0	90	266.75	40,764,735	0.07
7/11/2005	3:00 PM	0.3	0	90	96.25	14,708,925	0.04
7/18/2005	1:00 PM	1	0	85	166.00	23,958,780	0.22
7/25/2005	12:00 PM	1.5	0	87	167.00	24,670,242	0.34
8/1/2005	1:30 PM	1	0	85	169.50	24,463,935	0.22
8/8/2005	11:50 AM	0.7	0	80	166.40	22,603,776	0.14
8/15/2005	1:30 PM	0.9	0	83	169.60	23,902,406	0.20
8/24/2005	12:00 PM	0.8	0	85	214.50	30,958,785	0.23
8/29/2005	11:45 AM	0.7	0	85	119.75	17,283,518	0.11
9/6/2005	12:15 PM	0.8	0	85	192.50	27,783,525	0.20
9/12/2005	12:10 PM	1.2	0	85	144.00	20,783,520	0.23
9/20/2005	11:30 AM	1.1	0	84	192.60	27,470,923	0.28
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	8.16
10/17/2005	12:00 PM	33	5	86	648.5	94,699,158	28.47
11/1/2005	9:40 AM	33	7	86	333.75	48,736,845	14.65
11/3/2005	3:30 PM	33	7	87	333.75	49,303,553	14.82
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	0.11
11/22/2005	2:40 PM	0.8	0	88	195	29,137,680	0.21
1/6/2006	10:00 AM	System shut-down due to rainy conditions					
Total Mass of Petroleum Hydrocarbons Removed =							814.20
Average Daily Removal Rate (pounds / day)=							0.42

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 (ft ³ /min)	Time Elapsed (Hours)	Air Flow (Liters)	Mass Removed ¹ (Pounds)
		Influent	Effluent				

Notes:

¹ The representative molecular weight of hydrocarbons was assumed to be 150 gram/mole and use the measured temperature of Vapor (2^oC) in converting ppm-v to ppm on mass basis

² System accidentally shut down from main box, readings taken 30 minutes after start

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 replacement

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 blower

¹¹ System was shut-down due to low influent reading

¹² System was restarted on 6/12/01

¹³ System was re-started but no readings were taken

NC: Not Calculated

Calculations

Airflow: Flowrate (ft³/min) * 60 min * Time Elapsed (hrs) * 28.3 liters/ft³

Mass Removed: Time Elapsed (hrs) * 60 min * Flowrate (ft³/min) * (28.3 m³/ft³) *

((PID reading * (102 grams TPH-g /mole) * (1 mole / 24.4 L))*(1/1000 m³)) * (1 lb/454 grams)

FIGURES



3609 International Blvd
Oakland CA

INTERNATIONAL BLVD (E 14th ST)

EAST 12th ST

35th AVE

36th AVE

37th AVE

BART



approximate scale in feet

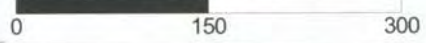
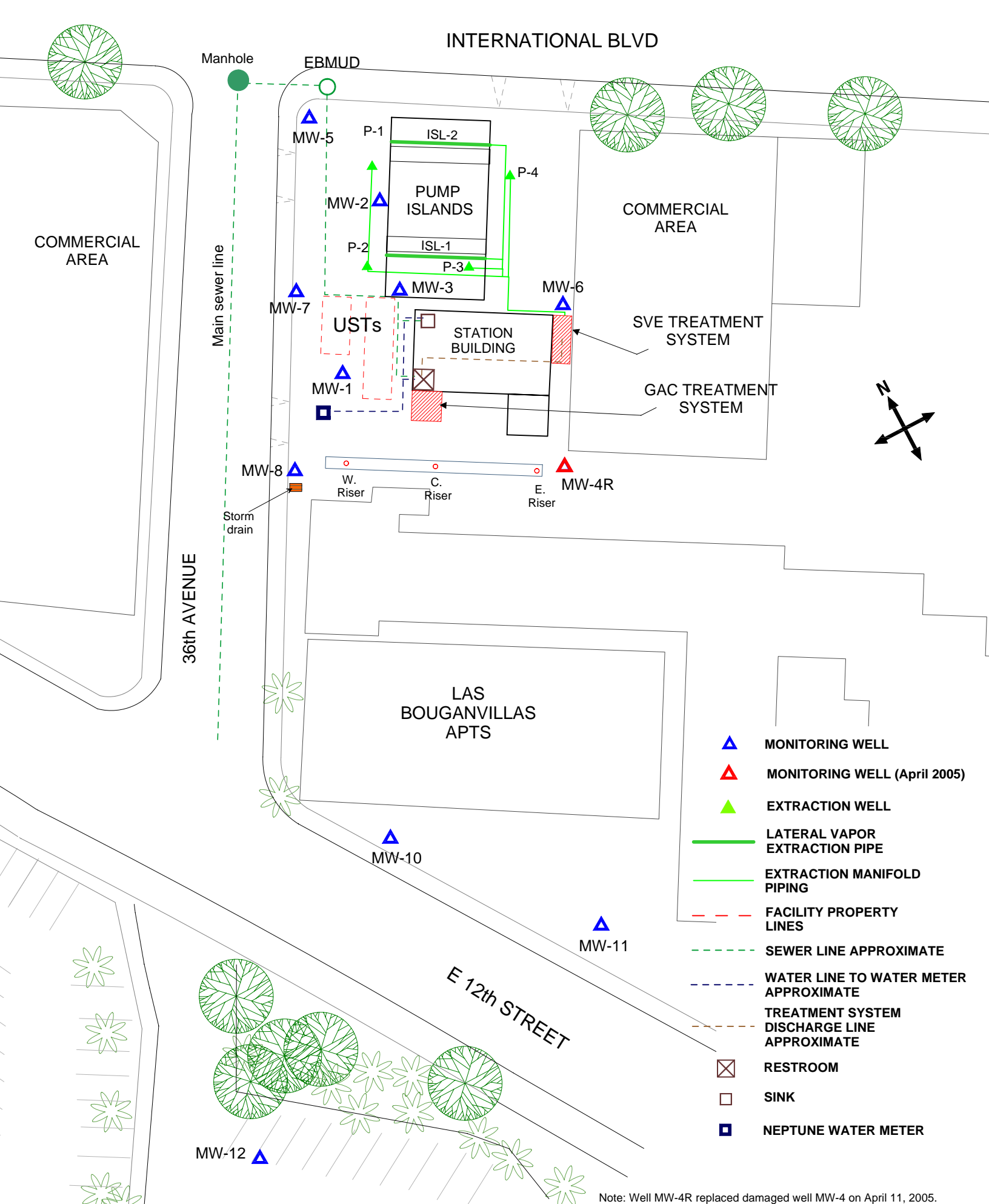
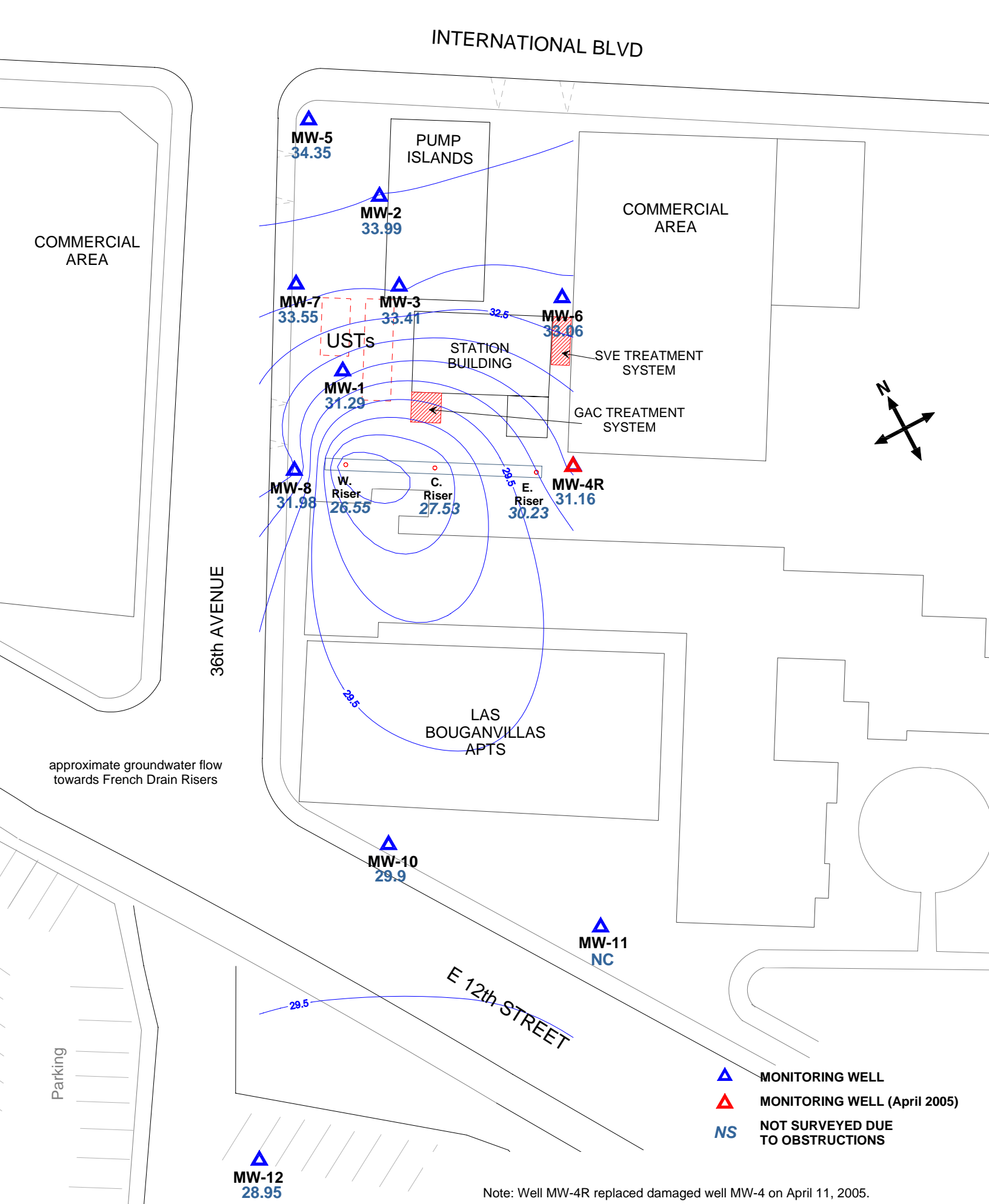


Figure 1: Site vicinity map.





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



approximate scale in feet

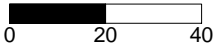
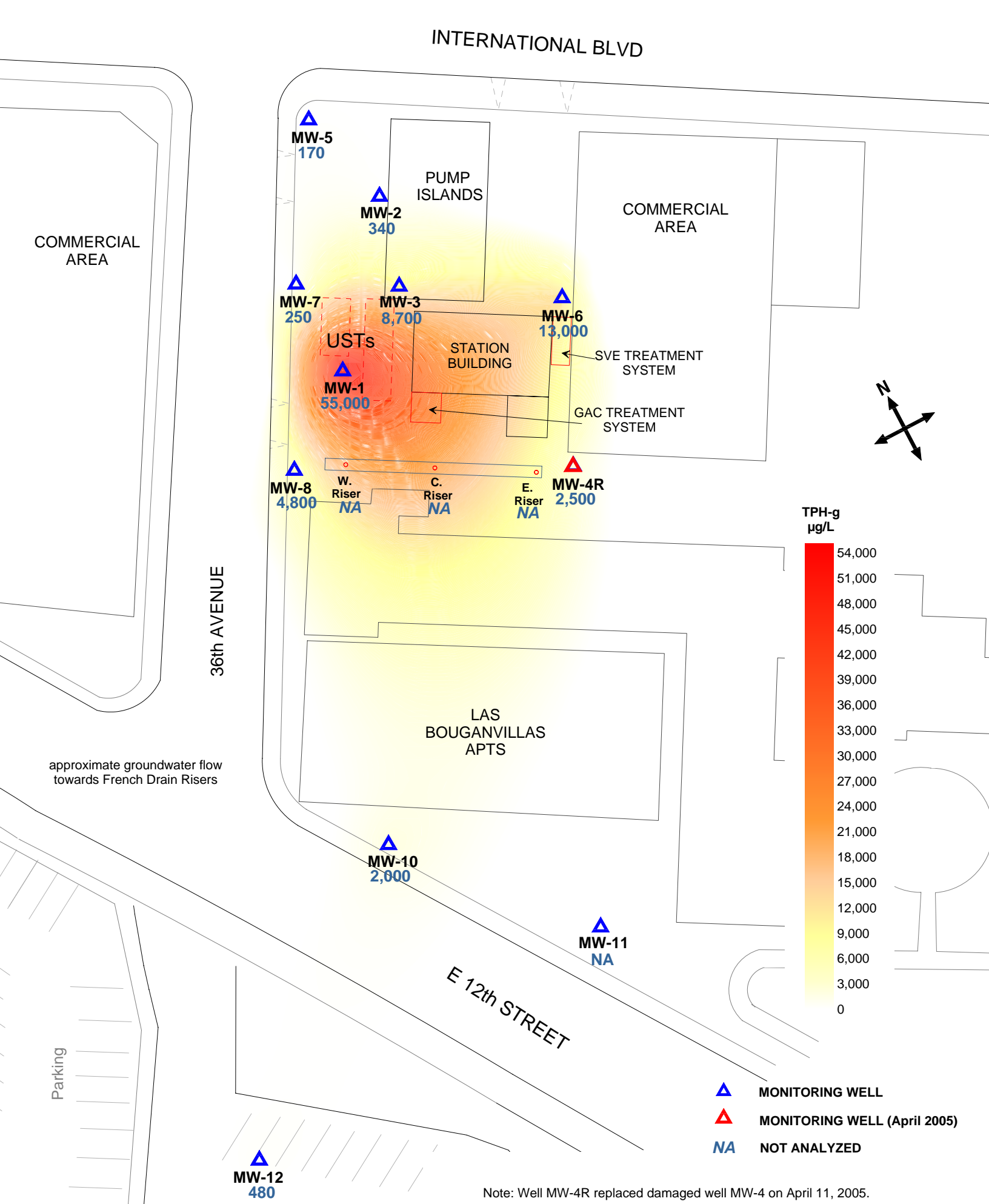


Figure 3: Groundwater elevation contour map in feet. January 2006.

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



approximate scale in feet

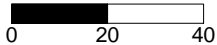
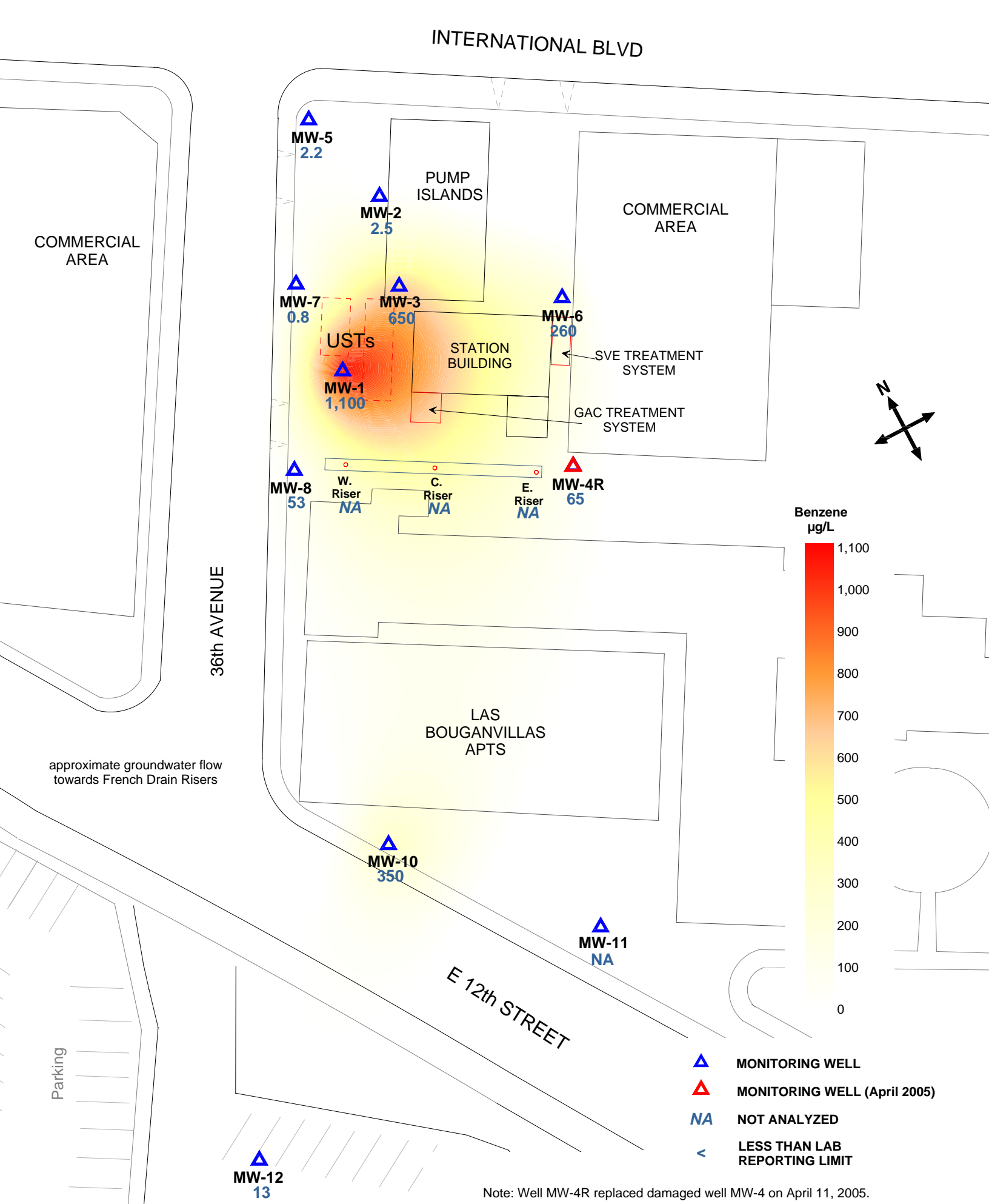
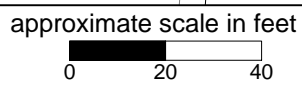


Figure 4: Contour map of TPH-g concentrations in the groundwater. January 2006.



approximate groundwater flow towards French Drain Risers



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

Figure 5: Contour map of Benzene concentrations in the groundwater. January 2006.



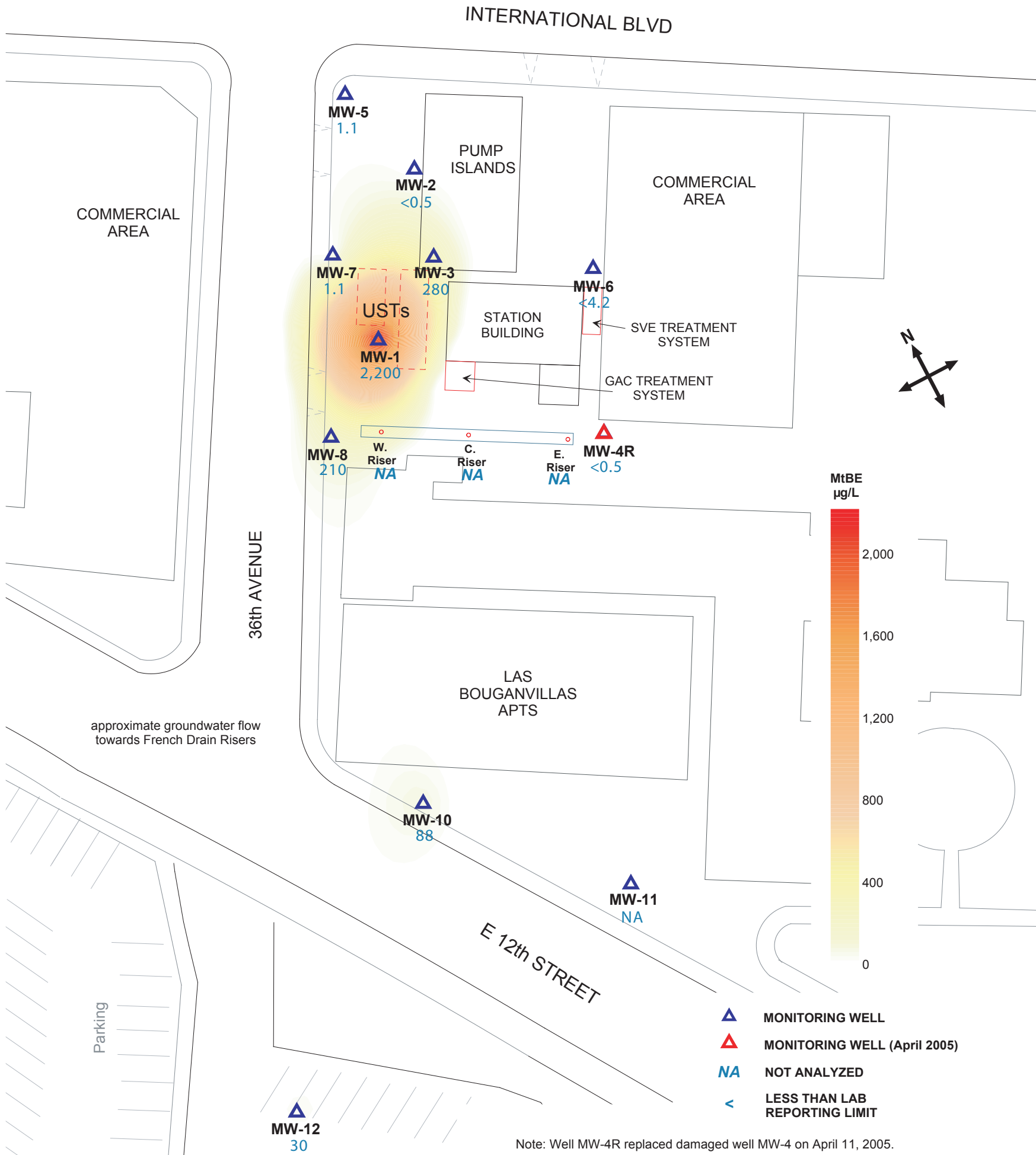
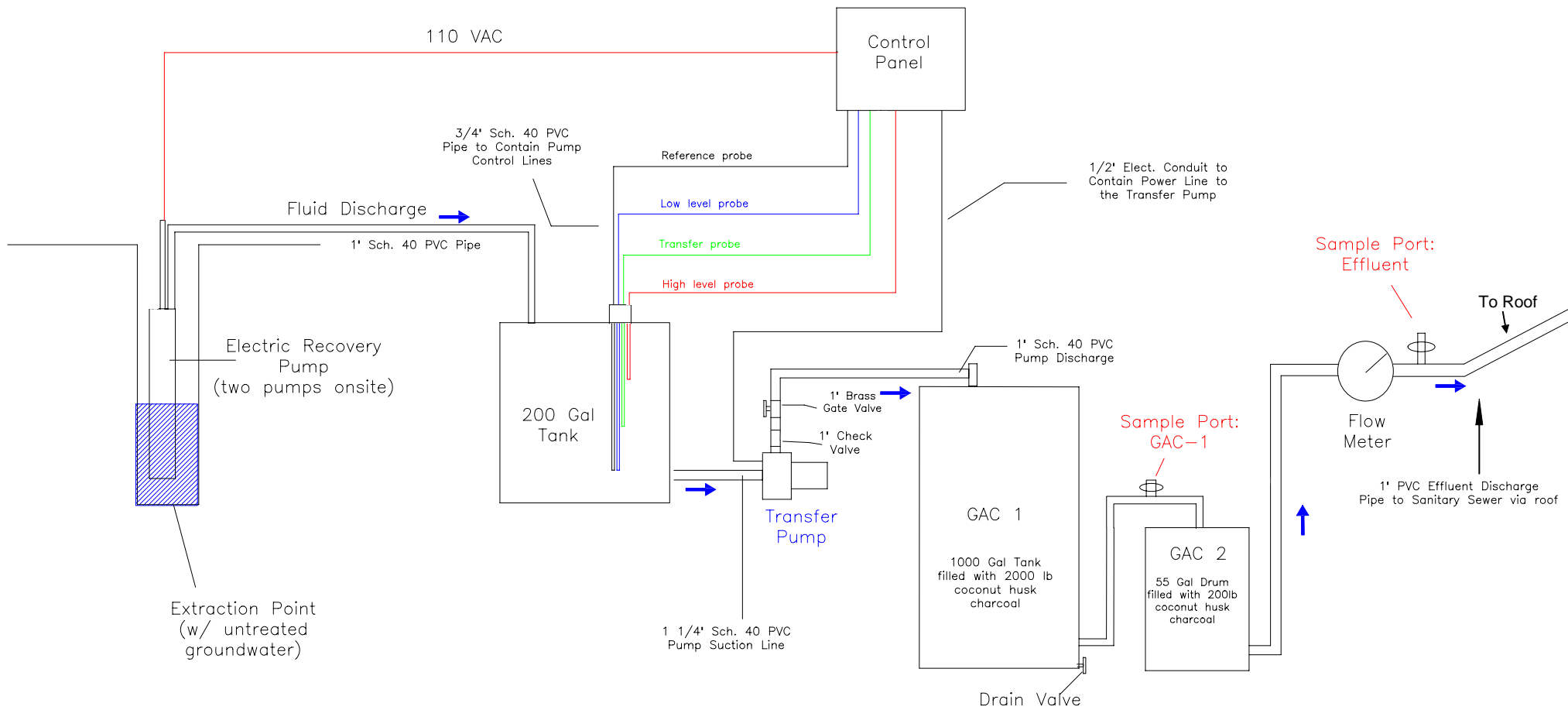


Figure 6: Contour map of MtBE concentrations in the groundwater. (EPA Method 8260B). January 2006.



(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

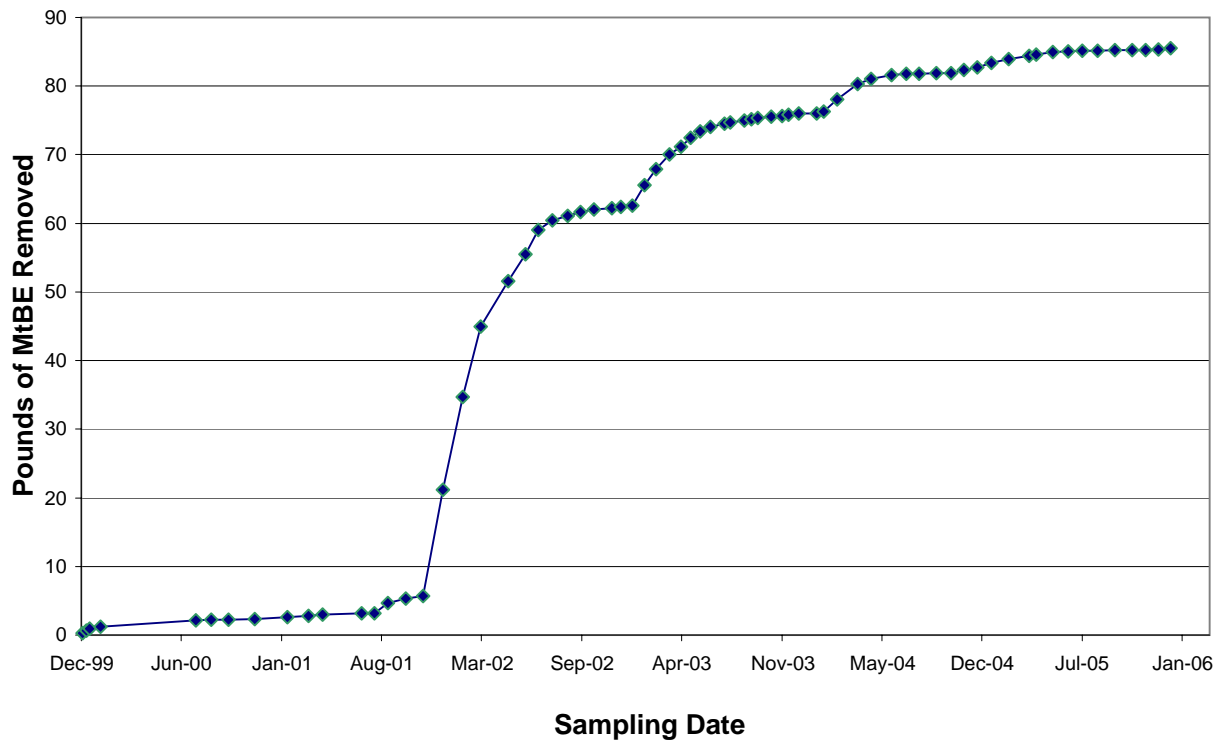
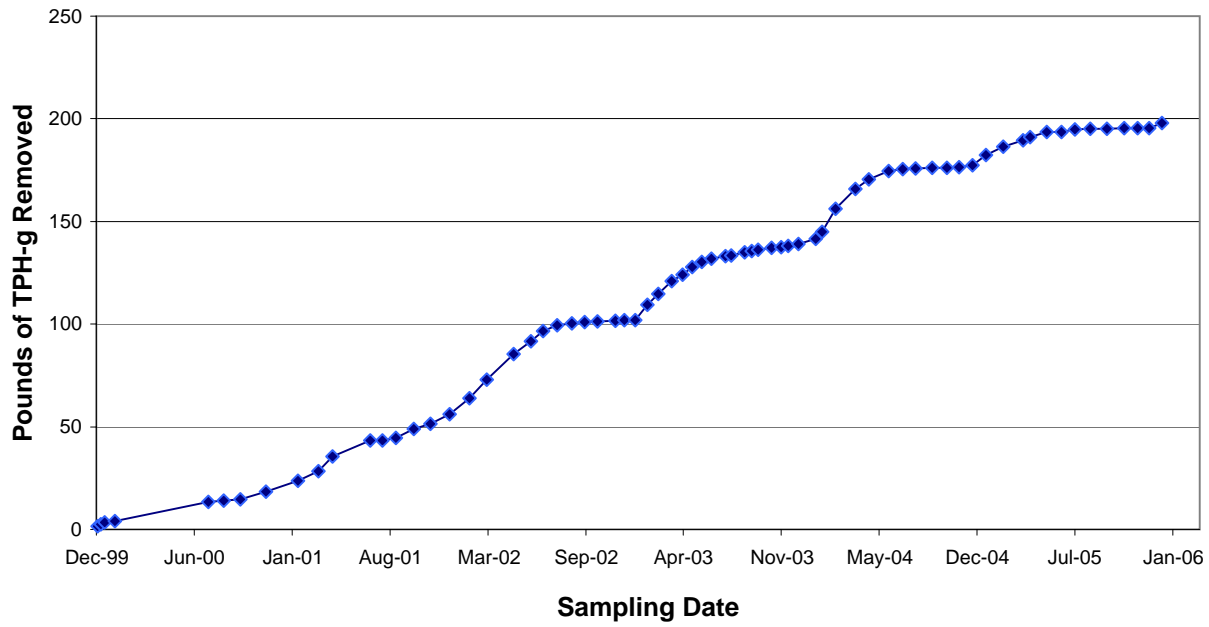


Figure 8. Cumulative mass of TPH-g and MtBE removed from groundwater since the installation of the treatment system.



APPENDIX A

SOMA's Groundwater Monitoring Procedures

Field Activities

On January 3 and 4, 2006, SOMA's field crew conducted a groundwater monitoring event in accordance with the procedures and guidelines of the RWQCB, San Francisco Bay Region. During this groundwater monitoring event 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. Field measurements and grab groundwater samples were collected from all of these monitoring wells.

The depth to groundwater in each monitoring well and riser was measured from the top of the casing to the nearest 0.01 foot using an electric sounder. The top of the casing elevation data and the depth to groundwater in each monitoring well 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.

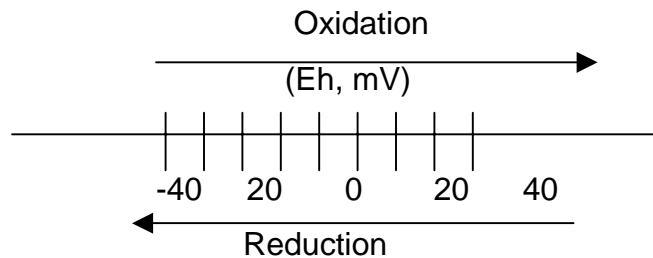
The pH of groundwater has an effect on the activity of microbial populations in the groundwater. The groundwater temperature affects the metabolic activity of bacteria. The groundwater conductivity (EC) is directly related to the concentration of ions in solution.

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 °C and 11 mg/L at 5 °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 January 4, 2006, SOMA's field crew delivered the groundwater samples to Curtis & Tompkins, Ltd in Berkeley, California.

Laboratory Analysis

Curtis & Tompkins, Ltd, 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. Additional gasoline oxygenate and lead scavenger analysis was also tested during the 8260 analysis.

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

**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 40.25	Notch on north side of PVC Punch north rim of box
FD-E	2109281.13	6064067.87	40.06 40.55	Notch on north side of PVC Punch north rim of box
FD-W	2109314.99	6064017.59	39.16 39.95	Notch on north side of PVC Punch north rim of box
MW-1	2109338.74	6064025.97	40.11 40.76	Notch on north side of PVC Punch north rim of box
MW-2	2109383.20	6064073.06	40.71 41.61	Notch on north side of PVC Punch north rim of box
MW-3	2109351.11	6064064.63	40.91 41.68	Notch on north side of PVC Punch north rim of box
MW-4	2109278.18	6064076.40	40.01 40.67	Notch on north side of PVC Punch north rim of box
MW-5	2109410.84	6064058.46	41.16 41.60	Notch on south side of PVC Punch south rim of box
MW-6	2109320.46	6064105.06	40.92 41.52	Notch on north side of PVC Punch north rim of box
MW-7	2109368.19	6064025.54	39.94 40.54	Notch on north side of PVC Punch north rim of box
MW-8	2109321.68	6064000.46	39.38 39.72	Notch on north side of PVC 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

**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 37.70	Notch on north side of PVC 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 36.87	Notch on north side of PVC

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.

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


CONTROLLING POINTS FROM 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





Well No.: MW1
 Casing Diameter: 2 inches
 Depth of Well: 29.60 feet
 Top of Casing Elevation: 40.11 feet
 Depth to Groundwater: 8.82 feet
 Groundwater Elevation: 31.29 feet
 Water Column Height: 20.78 feet
 Purged Volume: 20 gallons

Project No.: 2331
 Address: 3609 International Blvd.
 Oakland, CA
 Date: January 4, 2006
 Sampler: John Lohman
 Mehran Nowroozi

Purging Method: Bailer Pump

Sampling Method: Bailer Pump

Color: No Yes Describe: _____

Sheen: No Yes Describe: _____

Odor: No Yes Describe: gas

Field Measurements:

Time	Vol (gallons)	pH	Temp (°C)	E.C. (µS/cm)	D.O. (mg/L)	Turbidity (NTU)	ORP (mV)	Fe ⁺² (mg/L)	NO ₃ ⁻¹ (mg/L)	SO ₄ ⁻² (mg/L)
10:10 AM	START									
10:13 AM	4	6.95	20.08	552	3.50	53.2	103			
10:16 AM	8	6.86	20.11	584	3.09	0	-30			
10:19 AM	12	6.83	20.22	617	2.85	0	-66			
10:22 AM	16	6.79	20.24	655	2.70	0	-76			
10:25 AM	20	6.77	20.30	693	2.51	0	-82			
10:27 AM	SAMPLES							1.52	∅	∅



ENVIRONMENTAL ENGINEERING, INC

Well No.: MW 4R
 Casing Diameter: 2 inches
 Depth of Well: 26.30 feet
 Top of Casing Elevation: 40.34 feet
 Depth to Groundwater: 9.18 feet
 Groundwater Elevation: 31.16 feet
 Water Column Height: 17.12 feet
 Purged Volume: 20 gallons

Project No.: 2331
 Address: 3609 International Blvd.
 Oakland, CA
 Date: January 3 ~~1~~ 2006
 Sampler: John Lohman
 Mehran Nowroozi

Purging Method: Bailer Pump

Sampling Method: Bailer Pump

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

Field Measurements:

Time	Vol (gallons)	pH	Temp (°C)	E.C. (µS/cm)	D.O. (mg/L)	Turbidity (NTU)	ORP (mV)	Fe ⁺² (mg/L)	NO ₃ ⁻¹ (mg/L)	SO ₄ ⁻² (mg/L)
1:40 PM	START PURGE									
1:43 PM	4	6.94	19.43	546	4.25	121	85			
1:46 PM	6	6.89	19.50	556	3.44	0	80			
1:50 PM	12	6.85	19.58	562	3.10	0	73			
1:53 PM	16	6.82	19.59	563	2.93	0	61			
1:57 PM	20	6.81	19.60	562	2.77	0	76			
1:59 PM	SAMPLES									
								1.40	0	9



Well No.: MW7
 Casing Diameter: 2 inches
 Depth of Well: 25.80 feet
 Top of Casing Elevation: 39.94 feet
 Depth to Groundwater: 6.39 feet
 Groundwater Elevation: 33.55 feet
 Water Column Height: 19.41 feet
 Purged Volume: 20 gallons

Project No.: 2331
 Address: 3609 International Blvd.
 Oakland, CA
 Date: January 31, 2006
 Sampler: John Lohman
 Mehran Nowroozi

Purging Method: Bailer Pump

Sampling Method: Bailer Pump

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

Field Measurements:

Time	Vol (gallons)	pH	Temp (°C)	E.C. (µS/cm)	D.O. (mg/L)	Turbidity (NTU)	ORP (mV)	Fe ⁺² (mg/L)	NO ₃ ⁻¹ (mg/L)	SO ₄ ⁻² (mg/L)
2:12 PM	START									
2:15 PM	4	6.85	20.70	412	5.22	7.6	97			
2:18 PM	8	6.84	21.06	444	4.11	0	90			
2:21 PM	12	6.85	21.24	490	3.78	0	78			
2:23 PM	16	6.86	21.27	501	2.68	0	65			
2:26 PM	20	6.87	21.29	509	2.52	0	49			
2:28 PM	SAMPLES									
								31	0	5



Well No.: MW-12
 Casing Diameter: 4 inches
 Depth of Well: 29.70 feet
 Top of Casing Elevation: 36.84 feet
 Depth to Groundwater: 7.84 feet
 Groundwater Elevation: 28.95 feet
 Water Column Height: 21.81 feet
 Purged Volume: 24 gallons

Project No.: 2331
 Address: 3609 International Blvd.
 Oakland, CA
 Date: January 3~~1~~⁰ 200~~6~~⁸
 Sampler: John Lohman
 Mehran Nowroozi

Purging Method: Bailer Pump

Sampling Method: Bailer Pump

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

Field Measurements:

Time	Vol (gallons)	pH	Temp (°C)	E.C. (µS/cm)	D.O. (mg/L)	Turbidity (NTU)	ORP (mV)	Fe ⁺² (mg/L)	NO ₃ ⁻¹ (mg/L)	SO ₄ ⁻² (mg/L)
12:00	START PURGE									
12:04 PM	4	8.64	20.04	612	4.76	0	113			
12:08 PM	8	7.97	20.00	607	4.06	0	88			
12:12 PM	12	7.66	19.96	602	3.75	0	74			
12:16 PM	16	7.36	19.94	596	3.61	0	57			
12:20 PM	20	7.18	19.92	594	3.28	0	44			
12:26 PM	24	7.08	19.92	594	3.12	0	29			
12:30 PM	SAMPLED									
								5	0	0

Appendix C

Chain of Custody Form and Laboratory Report
for the
First Quarter 2006 Monitoring Event



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: 17-JAN-06

Lab Job Number: 184141

Project ID: 2331

Location: 3609 Int'l Blvd., Oakland

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:

Carol Wetherill for LTB
Project Manager

Reviewed by:

AT E [Signature] for JG
Operations Manager

This package may be reproduced only in its entirety.

CASE NARRATIVE

Laboratory number: 184141
Client: SOMA Environmental Engineering Inc.
Project: 2331
Location: 3609 Int'l Blvd., Oakland
Request Date: 01/04/06
Samples Received: 01/04/06

This hardcopy data package contains sample and QC results for ten water samples, requested for the above referenced project on 01/04/06. The samples were received cold and intact.

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

CHAIN OF CUSTODY

Analyses

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

C&T LOGIN #

184141

Sampler: Mehran Nowroozi / John Lohman

Project No: 2331

Report To: Tony Perini

Project Name: 3609 International Blvd, Oakland Company: SOMA Environmental

Turnaround Time: Standard

Telephone: 925-244-6600

Fax: 925-244-6601

Lab No.	Sample ID.	Sampling Date Time	Matrix			# of Containers	Preservative				TPHg, BTEX, MtBE 8260B
			Soil	Water	Waste		HCl	H ₂ SO ₄	HNO ₃	ICE	
-1	MW-1	11/10/06 10:27	X			4 VOAS	X			X	
-2	MW-2	11/10/06 11:10	X			4 VOAS	X			X	
-3	MW-3	11/10/06 17:25	X			4 VOAS	X			X	
-4	MW-4R	11/31/06 1:54	X			4 VOAS	X			X	
-5	MW-5	11/10/06 1:10 PM	X			4 VOAS	X			X	
-6	MW-6	11/10/06 2:13	X			4 VOAS	X			X	
-7	MW-7	11/31/06 2:28	X			4 VOAS	X			X	
-8	MW-8	11/31/06 2:52	X			4 VOAS	X			X	
-9	MW-10	11/31/06 1:03 PM	X			4 VOAS	X			X	
N/A	MW-11	11/31/06	X			4 VOAS	X			X	
-10	MW-12	11/31/06 12:35 PM	X			4 VOAS	X			X	

Notes: EDF OUTPUT REQUIRED

REC'D intact; on ice

RELINQUISHED BY:

[Signature]

11/10/05

3:45 PM DATE/TIME

DATE/TIME

DATE/TIME

RECEIVED BY:

[Signature]

1-14-05 3:45

DATE/TIME

DATE/TIME

DATE/TIME

Gasoline by GC/MS

Lab #:	184141	Location:	3609 Int'l Blvd., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2331	Analysis:	EPA 8260B
Field ID:	MW-1	Batch#:	109369
Lab ID:	184141-001	Sampled:	01/04/06
Matrix:	Water	Received:	01/04/06
Units:	ug/L	Analyzed:	01/10/06
Diln Fac:	25.00		

Analyte	Result	RL
Gasoline C7-C12	55,000	1,300
tert-Butyl Alcohol (TBA)	370	250
Isopropyl Ether (DIPE)	ND	13
Ethyl tert-Butyl Ether (ETBE)	ND	13
Methyl tert-Amyl Ether (TAME)	ND	13
MTBE	2,200	13
1,2-Dichloroethane	ND	13
Benzene	1,100	13
Ethanol	ND	25,000
Toluene	510	13
1,2-Dibromoethane	ND	13
Ethylbenzene	1,100	13
m,p-Xylenes	3,300	13
o-Xylene	770	13

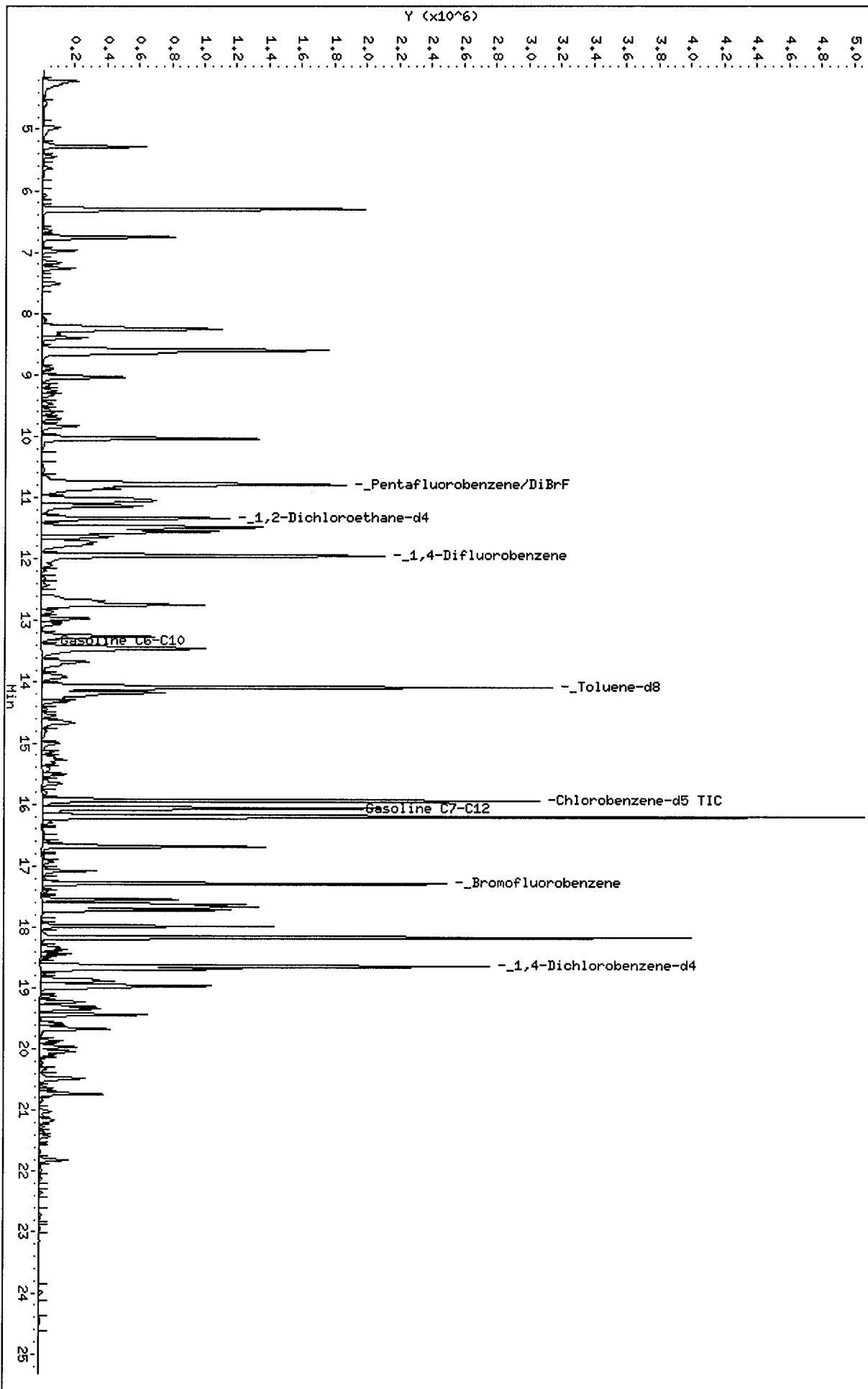
Surrogate	%REC	Limits
Dibromofluoromethane	103	80-121
1,2-Dichloroethane-d4	93	80-125
Toluene-d8	101	80-120
Bromofluorobenzene	99	80-124

Data File: \\Gomserver\DD\chem\MSV0410.1\011006.b\JAA15TVH.J
Date: 10-JAN-2006 18:20
Client ID: DYNA P&T
Sample Info: S,184141-001

Column phase:

Instrument: MSV0410.1
Operator: VDC
Column diameter: 2.00

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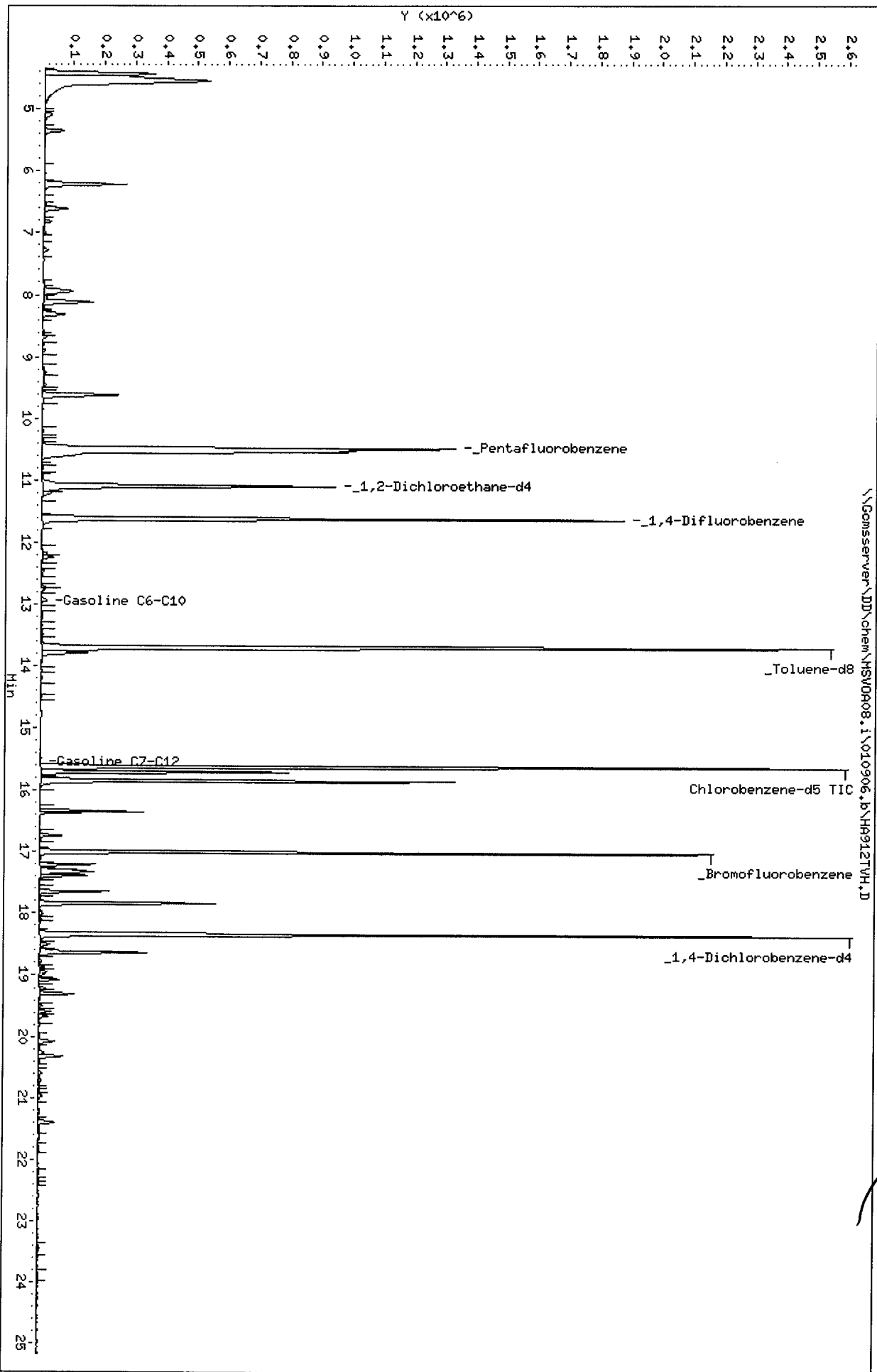


Gasoline by GC/MS

Lab #:	184141	Location:	3609 Int'l Blvd., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2331	Analysis:	EPA 8260B
Field ID:	MW-2	Batch#:	109337
Lab ID:	184141-002	Sampled:	01/04/06
Matrix:	Water	Received:	01/04/06
Units:	ug/L	Analyzed:	01/09/06
Diln Fac:	1.000		

Analyte	Result	RL
Gasoline C7-C12	340	50
tert-Butyl Alcohol (TBA)	ND	10
Isopropyl Ether (DIPE)	ND	0.50
Ethyl tert-Butyl Ether (ETBE)	ND	0.50
Methyl tert-Amyl Ether (TAME)	ND	0.50
MTBE	ND	0.50
1,2-Dichloroethane	ND	0.50
Benzene	2.5	0.50
Ethanol	ND	1,000
Toluene	4.4	0.50
1,2-Dibromoethane	ND	0.50
Ethylbenzene	22	0.50
m,p-Xylenes	42	0.50
o-Xylene	8.2	0.50

Surrogate	%REC	Limits
Dibromofluoromethane	92	80-121
1,2-Dichloroethane-d4	103	80-125
Toluene-d8	95	80-120
Bromofluorobenzene	101	80-124



Gasoline by GC/MS

Lab #: 184141	Location: 3609 Int'l Blvd., Oakland
Client: SOMA Environmental Engineering Inc.	Prep: EPA 5030B
Project#: 2331	Analysis: EPA 8260B
Field ID: MW-3	Batch#: 109369
Lab ID: 184141-003	Sampled: 01/04/06
Matrix: Water	Received: 01/04/06
Units: ug/L	Analyzed: 01/10/06
Diln Fac: 8.333	

Analyte	Result	RL
Gasoline C7-C12	8,700	420
tert-Butyl Alcohol (TBA)	740	83
Isopropyl Ether (DIPE)	ND	4.2
Ethyl tert-Butyl Ether (ETBE)	ND	4.2
Methyl tert-Amyl Ether (TAME)	ND	4.2
MTBE	280	4.2
1,2-Dichloroethane	ND	4.2
Benzene	650	4.2
Ethanol	ND	8,300
Toluene	98	4.2
1,2-Dibromoethane	ND	4.2
Ethylbenzene	330	4.2
m,p-Xylenes	720	4.2
o-Xylene	140	4.2

Surrogate	%REC	Limits
Dibromofluoromethane	98	80-121
1,2-Dichloroethane-d4	90	80-125
Toluene-d8	103	80-120
Bromofluorobenzene	101	80-124

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Date: 10-JAN-2006 18:55

Client ID: DYNA P&T

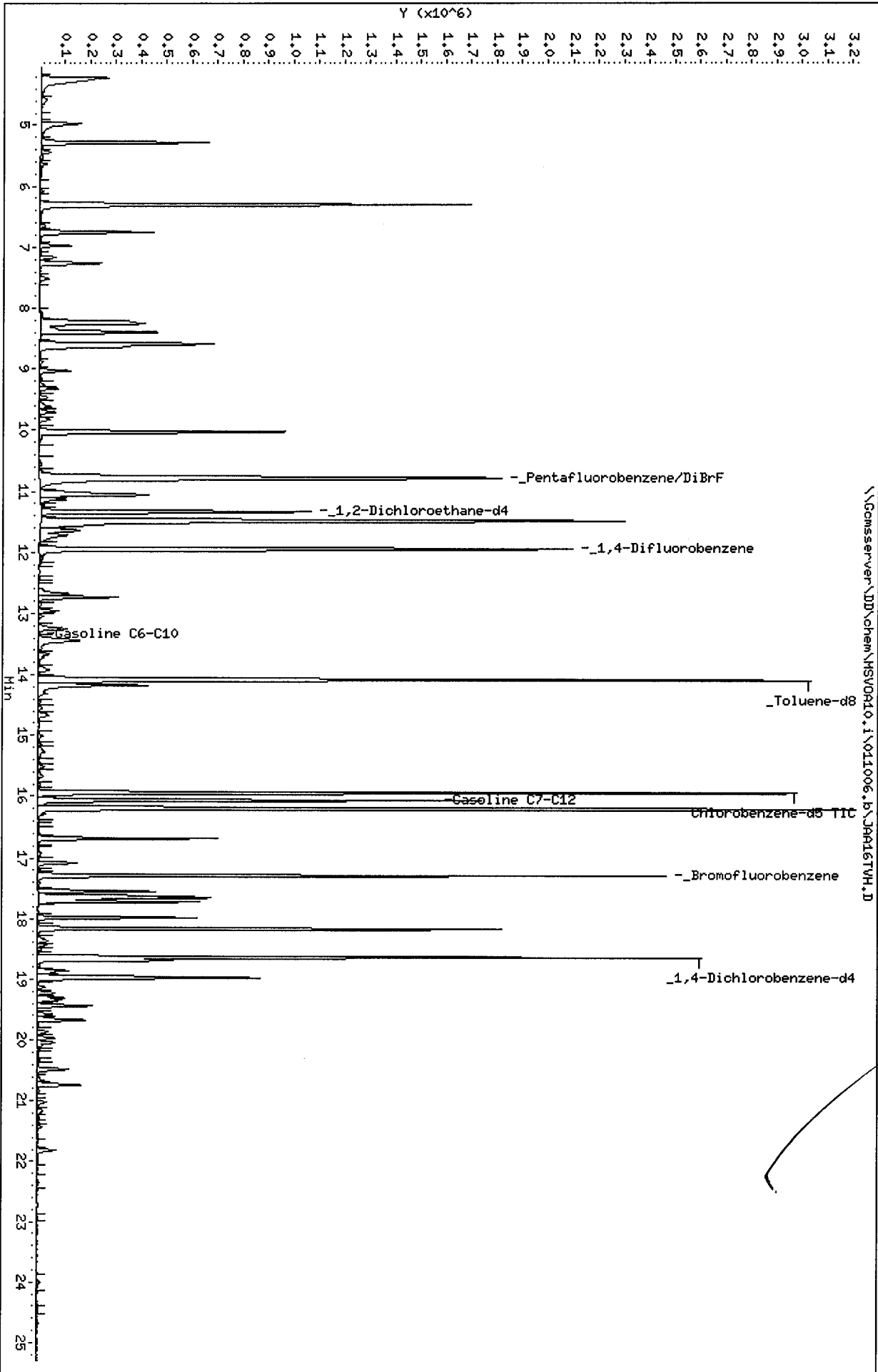
Sample Info: S,184141-003

Column phase:

Instrument: MSV010.i

Operator: VOC

Column diameter: 2.00



Gasoline by GC/MS

Lab #:	184141	Location:	3609 Int'l Blvd., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2331	Analysis:	EPA 8260B
Field ID:	MW-4R	Batch#:	109337
Lab ID:	184141-004	Sampled:	01/03/06
Matrix:	Water	Received:	01/04/06
Units:	ug/L	Analyzed:	01/09/06
Diln Fac:	1.000		

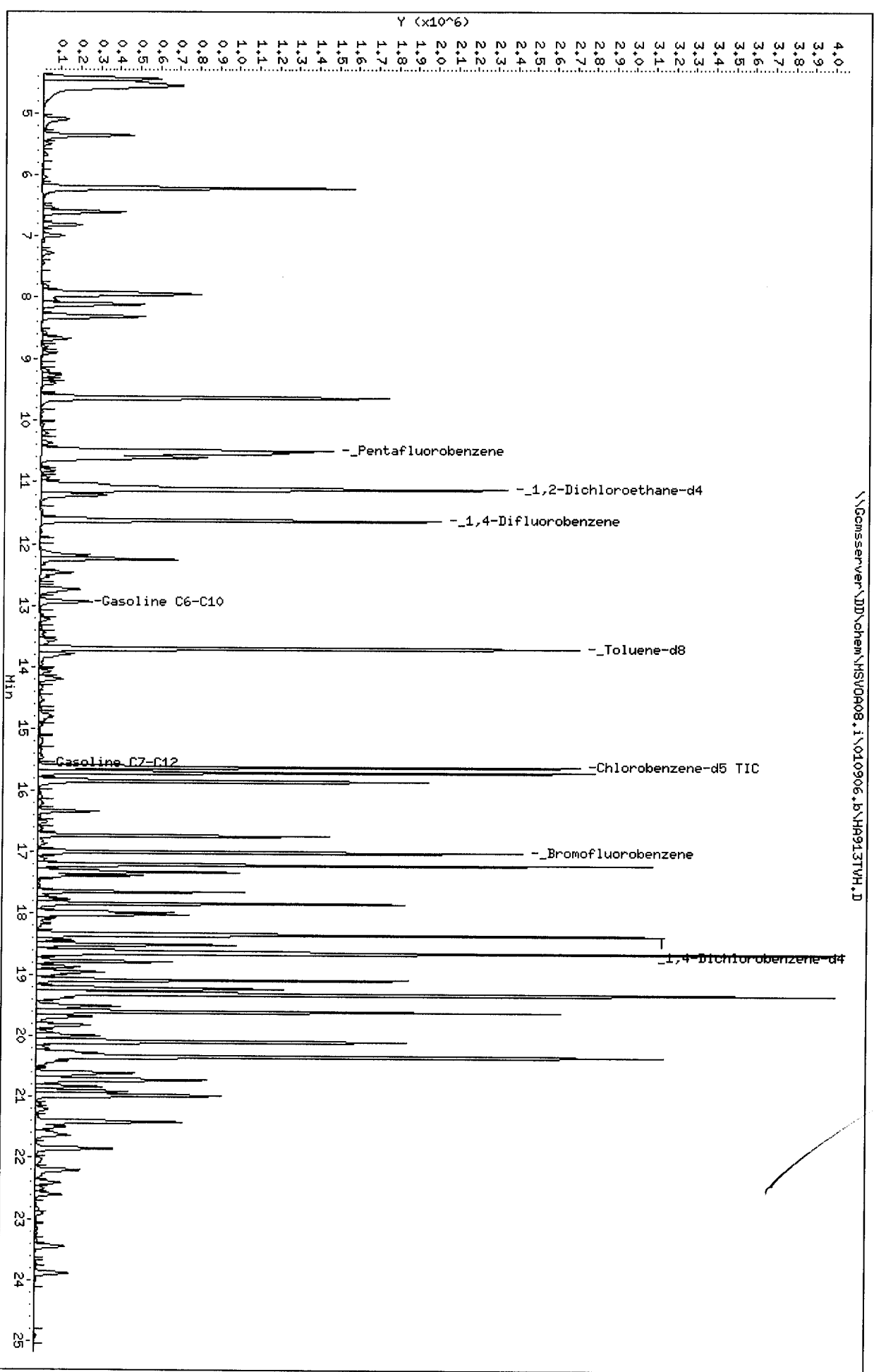
Analyte	Result	RL
Gasoline C7-C12	2,500	50
tert-Butyl Alcohol (TBA)	ND	10
Isopropyl Ether (DIPE)	ND	0.50
Ethyl tert-Butyl Ether (ETBE)	ND	0.50
Methyl tert-Amyl Ether (TAME)	ND	0.50
MTBE	ND	0.50
1,2-Dichloroethane	ND	0.50
Benzene	65	0.50
Ethanol	ND	1,000
Toluene	3.8	0.50
1,2-Dibromoethane	ND	0.50
Ethylbenzene	70	0.50
m,p-Xylenes	55	0.50
o-Xylene	7.0	0.50

Surrogate	%REC	Limits
Dibromofluoromethane	91	80-121
1,2-Dichloroethane-d4	101	80-125
Toluene-d8	96	80-120
Bromofluorobenzene	103	80-124

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Date: 09-JAN-2006 15:09
Client ID: DYNA P&T
Sample Info: S,184141-004

Column phase:

Instrument: MSV0A08.i
Operator: LM
Column diameter: 2.00



Gasoline by GC/MS

Lab #:	184141	Location:	3609 Int'l Blvd., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2331	Analysis:	EPA 8260B
Field ID:	MW-5	Batch#:	109337
Lab ID:	184141-005	Sampled:	01/04/06
Matrix:	Water	Received:	01/04/06
Units:	ug/L	Analyzed:	01/09/06
Diln Fac:	1.000		

Analyte	Result	RL
Gasoline C7-C12	170	50
tert-Butyl Alcohol (TBA)	ND	10
Isopropyl Ether (DIPE)	ND	0.50
Ethyl tert-Butyl Ether (ETBE)	ND	0.50
Methyl tert-Amyl Ether (TAME)	ND	0.50
MTBE	1.1	0.50
1,2-Dichloroethane	ND	0.50
Benzene	2.2	0.50
Ethanol	ND	1,000
Toluene	ND	0.50
1,2-Dibromoethane	ND	0.50
Ethylbenzene	1.8	0.50
m,p-Xylenes	3.1	0.50
o-Xylene	ND	0.50

Surrogate	%REC	Limits
Dibromofluoromethane	88	80-121
1,2-Dichloroethane-d4	100	80-125
Toluene-d8	95	80-120
Bromofluorobenzene	97	80-124

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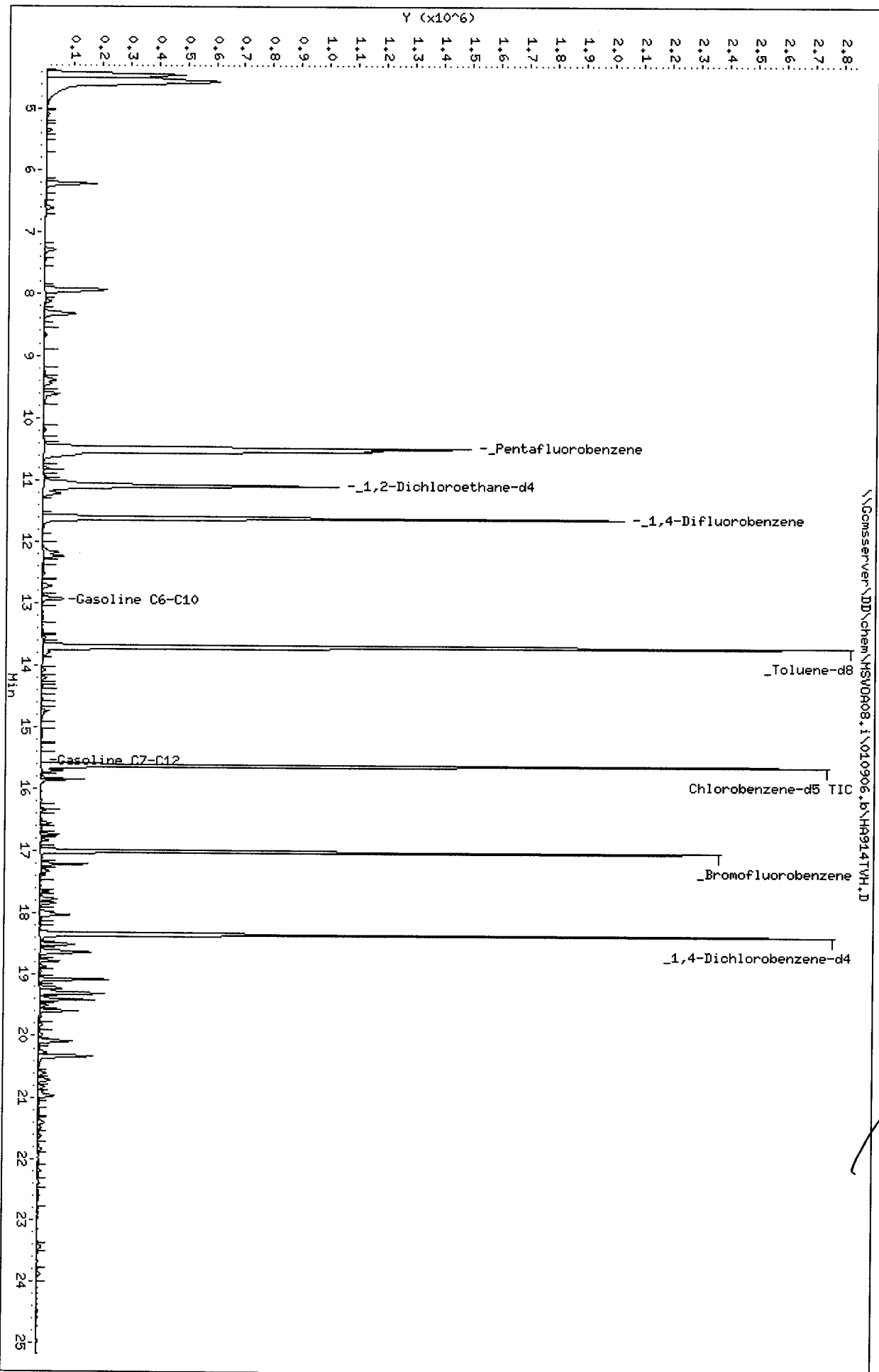
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Sample Info: S.184141-005

Instrument: MSVD0908.i

Column phase:

Operator: LM
Column diameter: 2.00



Gasoline by GC/MS

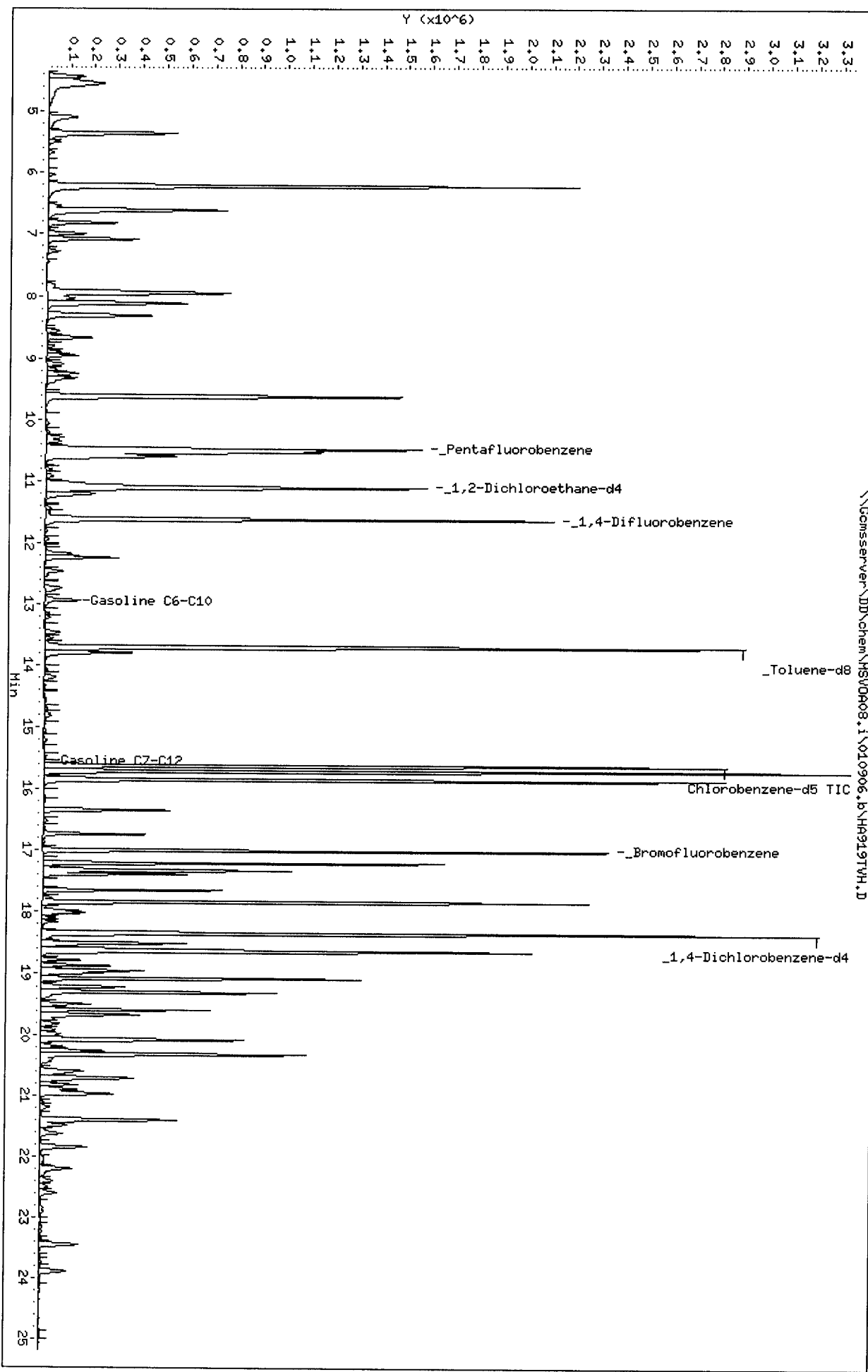
Lab #:	184141	Location:	3609 Int'l Blvd., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2331	Analysis:	EPA 8260B
Field ID:	MW-6	Batch#:	109337
Lab ID:	184141-006	Sampled:	01/04/06
Matrix:	Water	Received:	01/04/06
Units:	ug/L	Analyzed:	01/09/06
Diln Fac:	8.333		

Analyte	Result	RL
Gasoline C7-C12	13,000	420
tert-Butyl Alcohol (TBA)	ND	83
Isopropyl Ether (DIPE)	ND	4.2
Ethyl tert-Butyl Ether (ETBE)	ND	4.2
Methyl tert-Amyl Ether (TAME)	ND	4.2
MTBE	ND	4.2
1,2-Dichloroethane	ND	4.2
Benzene	260	4.2
Ethanol	ND	8,300
Toluene	79	4.2
1,2-Dibromoethane	ND	4.2
Ethylbenzene	680	4.2
m,p-Xylenes	640	4.2
o-Xylene	110	4.2

Surrogate	%REC	Limits
Dibromofluoromethane	90	80-121
1,2-Dichloroethane-d4	98	80-125
Toluene-d8	95	80-120
Bromofluorobenzene	100	80-124

Column phase:

\\Gomsserver\DD\chem\HSV0908.i\010906.b\H8919TVH.D



Gasoline by GC/MS

Lab #:	184141	Location:	3609 Int'l Blvd., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2331	Analysis:	EPA 8260B
Field ID:	MW-7	Batch#:	109337
Lab ID:	184141-007	Sampled:	01/03/06
Matrix:	Water	Received:	01/04/06
Units:	ug/L	Analyzed:	01/09/06
Diln Fac:	1.000		

Analyte	Result	RL
Gasoline C7-C12	250 Y	50
tert-Butyl Alcohol (TBA)	11	10
Isopropyl Ether (DIPE)	ND	0.50
Ethyl tert-Butyl Ether (ETBE)	ND	0.50
Methyl tert-Amyl Ether (TAME)	ND	0.50
MTBE	1.1	0.50
1,2-Dichloroethane	ND	0.50
Benzene	0.80	0.50
Ethanol	ND	1,000
Toluene	ND	0.50
1,2-Dibromoethane	ND	0.50
Ethylbenzene	0.61	0.50
m,p-Xylenes	ND	0.50
o-Xylene	ND	0.50

Surrogate	%REC	Limits
Dibromofluoromethane	87	80-121
1,2-Dichloroethane-d4	101	80-125
Toluene-d8	95	80-120
Bromofluorobenzene	98	80-124

Y= Sample exhibits chromatographic pattern which does not resemble standard
 ND= Not Detected
 RL= Reporting Limit
 Page 1 of 1

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Date : 09-JAN-2006 16:23

Client ID: DYNA P&T

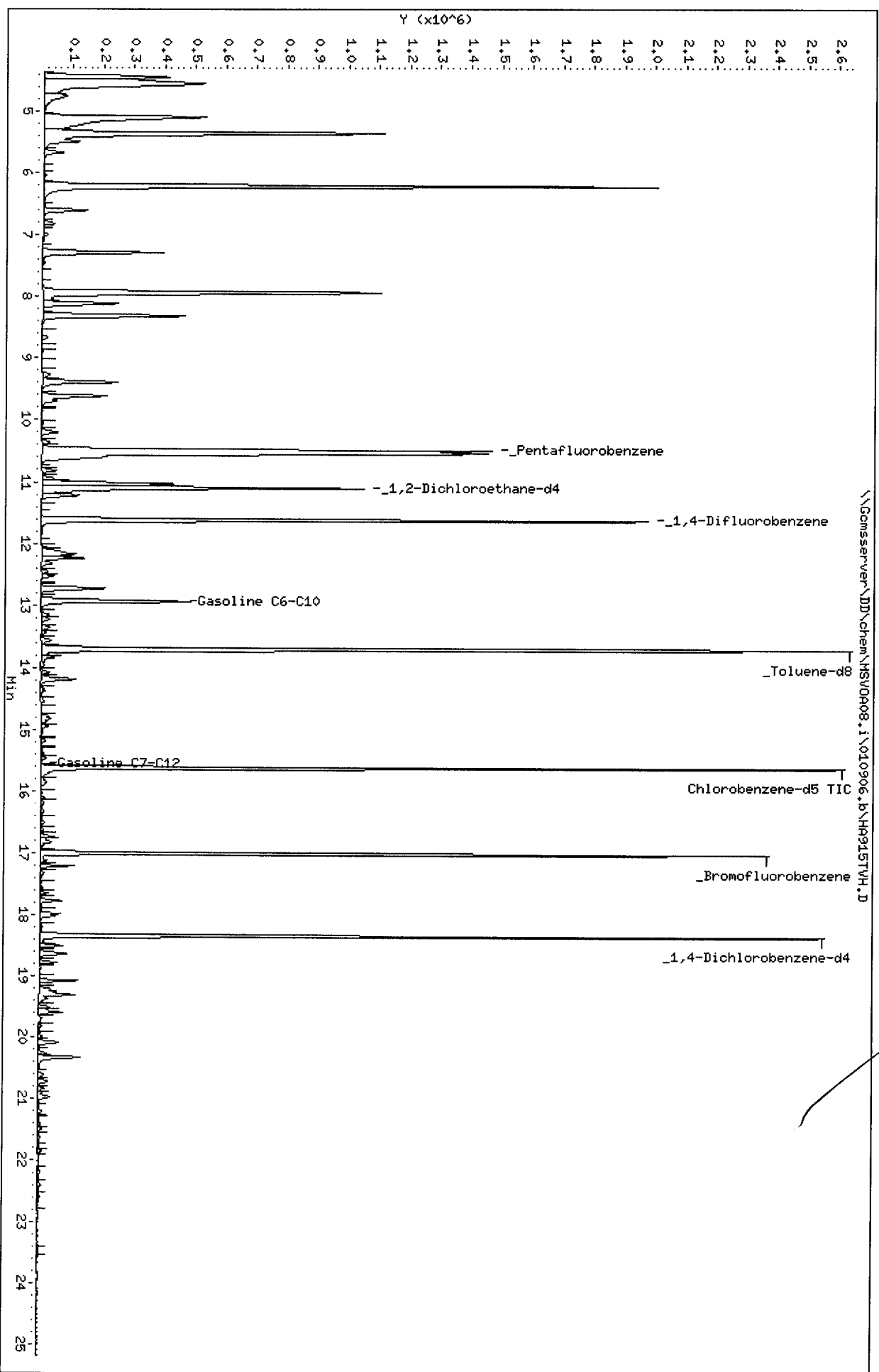
Sample Info: S.184141-007

Instrument: MSVD008.i

Column phase:

Operator: LM

Column diameter: 2.00



Gasoline by GC/MS

Lab #:	184141	Location:	3609 Int'l Blvd., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2331	Analysis:	EPA 8260B
Field ID:	MW-8	Batch#:	109337
Lab ID:	184141-008	Sampled:	01/03/06
Matrix:	Water	Received:	01/04/06
Units:	ug/L	Analyzed:	01/09/06
Diln Fac:	4.000		

Analyte	Result	RL
Gasoline C7-C12	4,800	200
tert-Butyl Alcohol (TBA)	43	40
Isopropyl Ether (DIPE)	ND	2.0
Ethyl tert-Butyl Ether (ETBE)	ND	2.0
Methyl tert-Amyl Ether (TAME)	ND	2.0
MTBE	210	2.0
1,2-Dichloroethane	ND	2.0
Benzene	53	2.0
Ethanol	ND	4,000
Toluene	5.2	2.0
1,2-Dibromoethane	ND	2.0
Ethylbenzene	130	2.0
m,p-Xylenes	21	2.0
o-Xylene	ND	2.0

Surrogate	%REC	Limits
Dibromofluoromethane	88	80-121
1,2-Dichloroethane-d4	99	80-125
Toluene-d8	95	80-120
Bromofluorobenzene	98	80-124

Date : 09-JAN-2006 19:30

Client ID: DYNA P&T

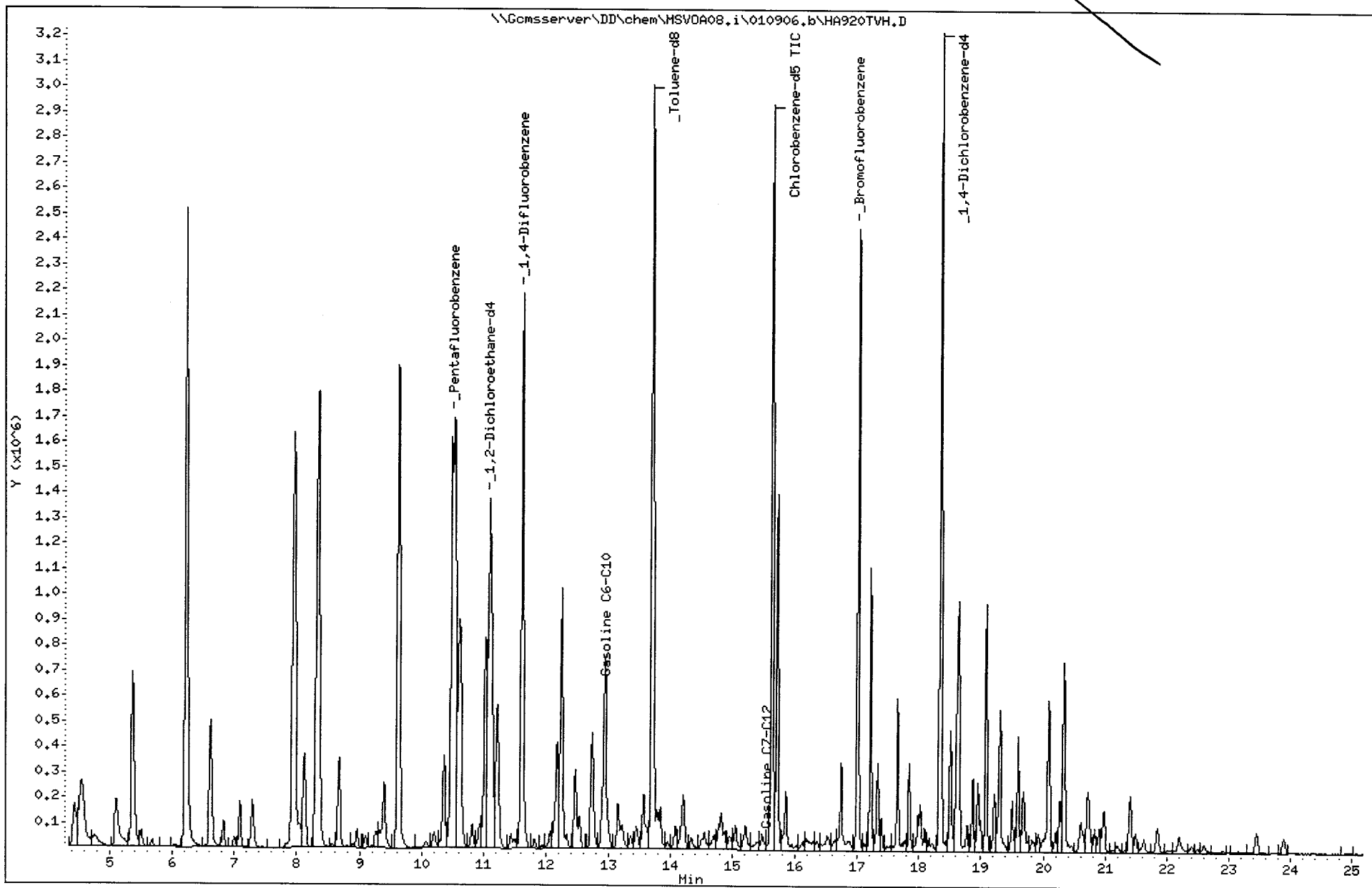
Sample Info: S,184141-008

Instrument: MSV0A08.i

Operator: LW

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Column phase:

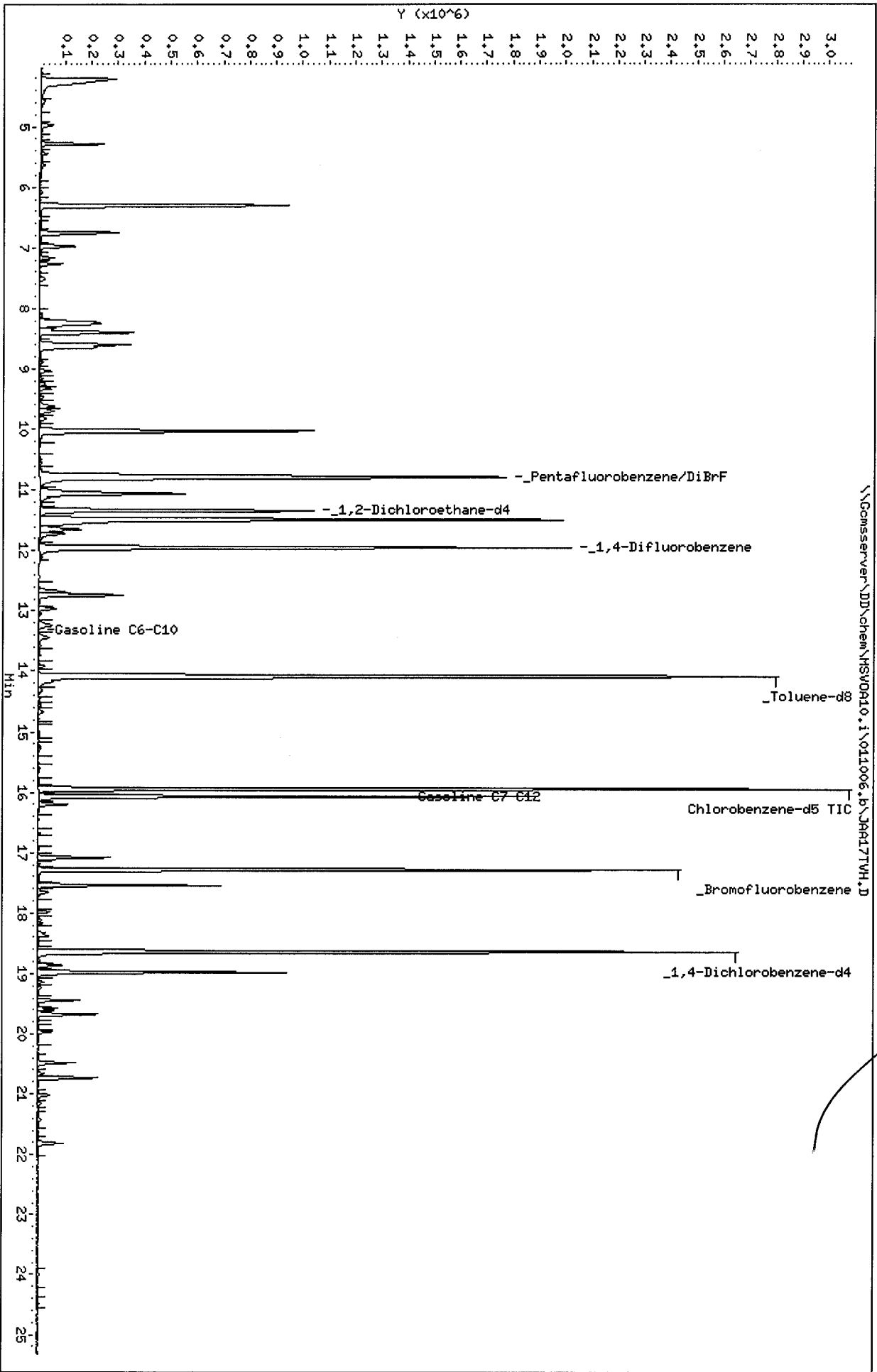


Gasoline by GC/MS

Lab #:	184141	Location:	3609 Int'l Blvd., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2331	Analysis:	EPA 8260B
Field ID:	MW-10	Batch#:	109369
Lab ID:	184141-009	Sampled:	01/03/06
Matrix:	Water	Received:	01/04/06
Units:	ug/L	Analyzed:	01/10/06
Diln Fac:	5.000		

Analyte	Result	RL
Gasoline C7-C12	2,000	250
tert-Butyl Alcohol (TBA)	ND	50
Isopropyl Ether (DIPE)	ND	2.5
Ethyl tert-Butyl Ether (ETBE)	ND	2.5
Methyl tert-Amyl Ether (TAME)	ND	2.5
MTBE	88	2.5
1,2-Dichloroethane	ND	2.5
Benzene	350	2.5
Ethanol	ND	5,000
Toluene	6.0	2.5
1,2-Dibromoethane	ND	2.5
Ethylbenzene	210	2.5
m,p-Xylenes	16	2.5
o-Xylene	ND	2.5

Surrogate	%REC	Limits
Dibromofluoromethane	101	80-121
1,2-Dichloroethane-d4	90	80-125
Toluene-d8	101	80-120
Bromofluorobenzene	104	80-124



**Gasoline by GC/MS**

Lab #:	184141	Location:	3609 Int'l Blvd., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2331	Analysis:	EPA 8260B
Field ID:	MW-12	Batch#:	109337
Lab ID:	184141-010	Sampled:	01/03/06
Matrix:	Water	Received:	01/04/06
Units:	ug/L	Analyzed:	01/09/06
Diln Fac:	1.000		

Analyte	Result	RL
Gasoline C7-C12	480 Y	50
tert-Butyl Alcohol (TBA)	ND	10
Isopropyl Ether (DIPE)	ND	0.50
Ethyl tert-Butyl Ether (ETBE)	ND	0.50
Methyl tert-Amyl Ether (TAME)	ND	0.50
MTBE	30	0.50
1,2-Dichloroethane	ND	0.50
Benzene	13	0.50
Ethanol	ND	1,000
Toluene	ND	0.50
1,2-Dibromoethane	ND	0.50
Ethylbenzene	ND	0.50
m,p-Xylenes	ND	0.50
o-Xylene	ND	0.50

Surrogate	%REC	Limits
Dibromofluoromethane	88	80-121
1,2-Dichloroethane-d4	101	80-125
Toluene-d8	95	80-120
Bromofluorobenzene	99	80-124

Y= Sample exhibits chromatographic pattern which does not resemble standard

ND= Not Detected

RL= Reporting Limit

Page 1 of 1

Data File: \\Domserver\JD\chem\HSVD008.i\010906.b\H916TVH.D

Date: 09-JAN-2006 17:00

Client ID: DYNA P&T

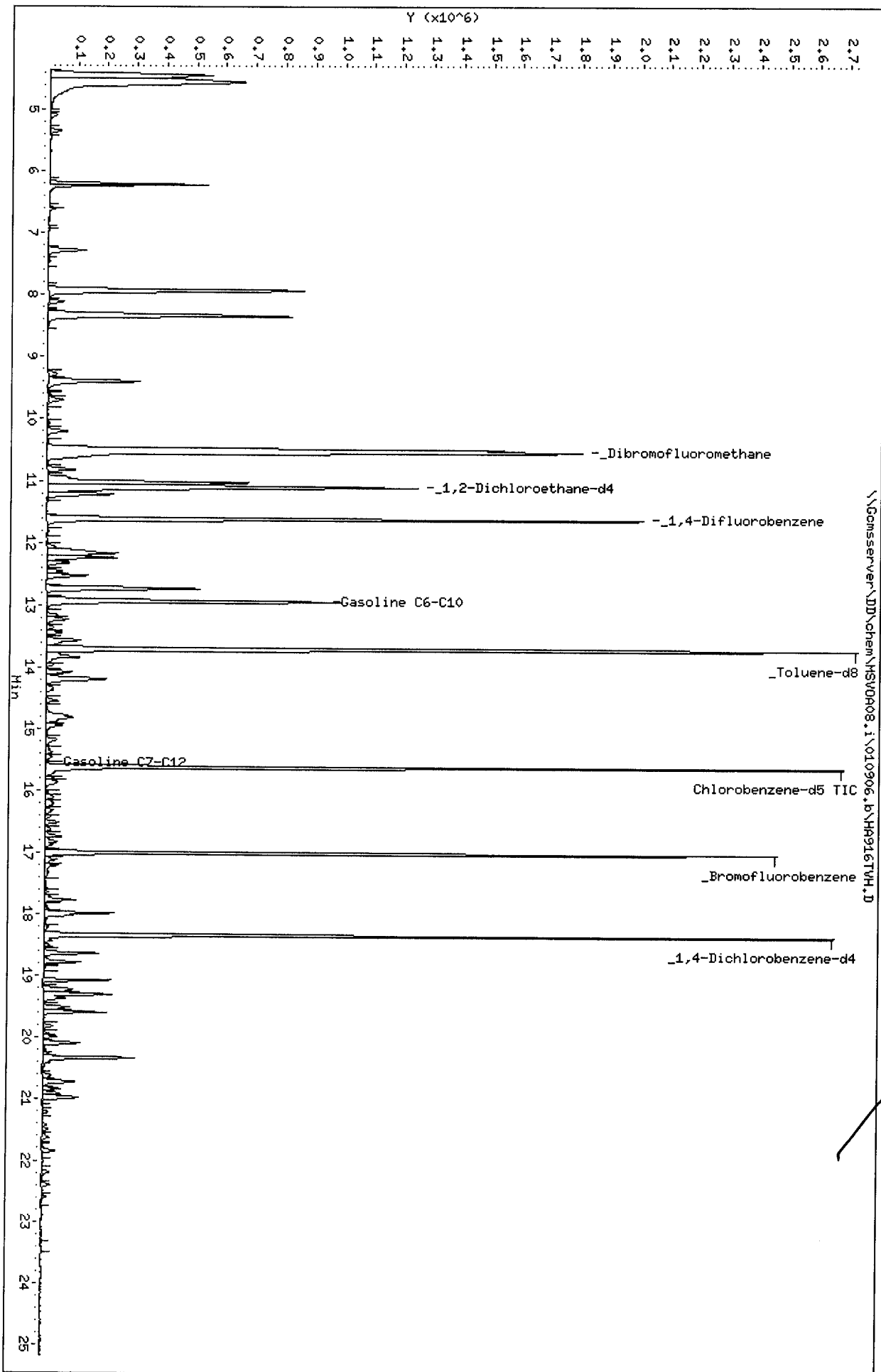
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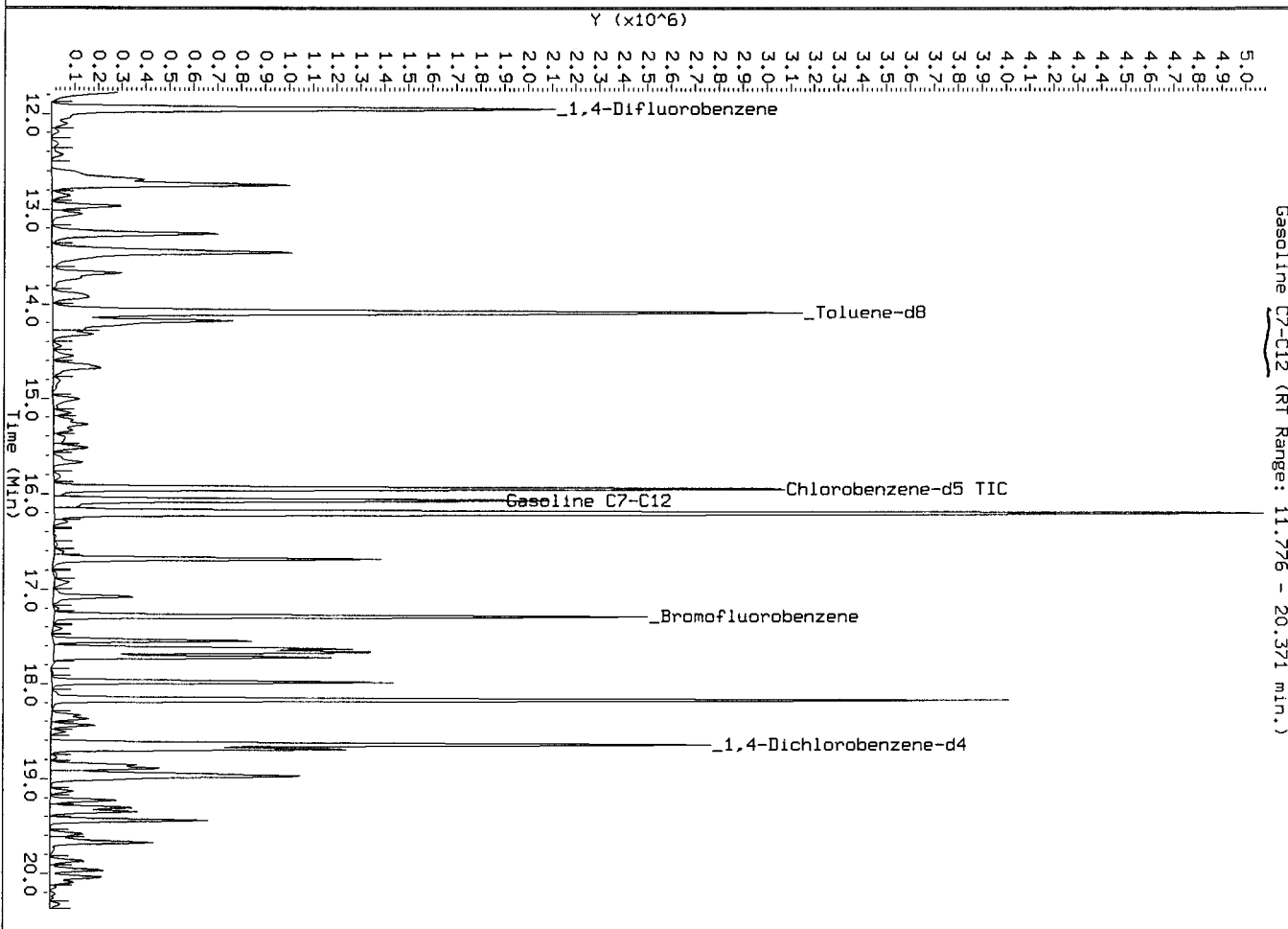
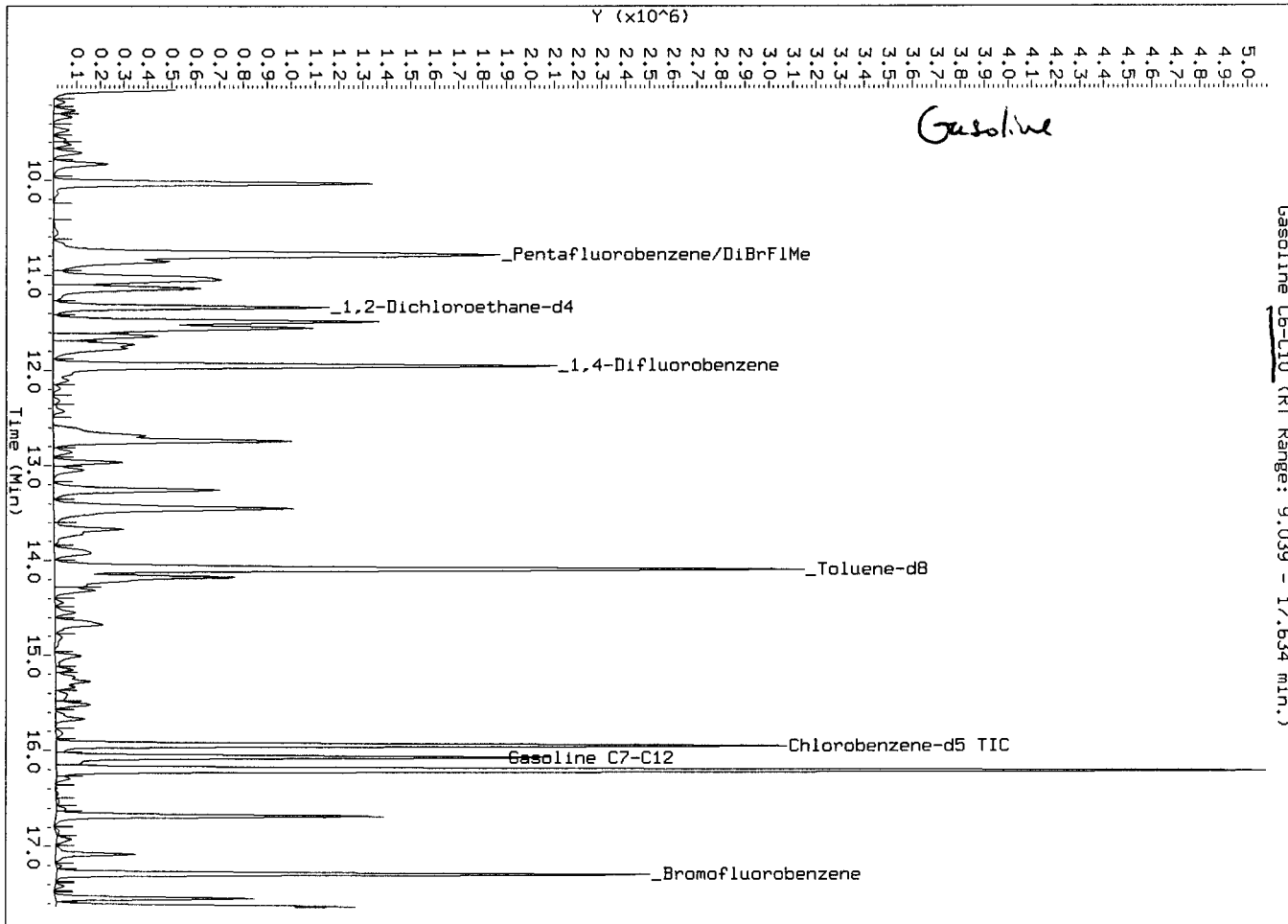
Instrument: HSYD008.i

Operator: LM

Column diameter: 2.00

Column phase:





Batch QC Report

Gasoline by GC/MS

Lab #:	184141	Location:	3609 Int'l Blvd., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2331	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC323514	Batch#:	109337
Matrix:	Water	Analyzed:	01/09/06
Units:	ug/L		

Analyte	Result	RL
Gasoline C7-C12	ND	50
tert-Butyl Alcohol (TBA)	ND	10
Isopropyl Ether (DIPE)	ND	0.50
Ethyl tert-Butyl Ether (ETBE)	ND	0.50
Methyl tert-Amyl Ether (TAME)	ND	0.50
MTBE	ND	0.50
1,2-Dichloroethane	ND	0.50
Benzene	ND	0.50
Ethanol	ND	1,000
Toluene	ND	0.50
1,2-Dibromoethane	ND	0.50
Ethylbenzene	ND	0.50
m,p-Xylenes	ND	0.50
o-Xylene	ND	0.50

Surrogate	%REC	Limits
Dibromofluoromethane	89	80-121
1,2-Dichloroethane-d4	101	80-125
Toluene-d8	96	80-120
Bromofluorobenzene	101	80-124

Batch QC Report

Gasoline by GC/MS

Lab #:	184141	Location:	3609 Int'l Blvd., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2331	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC323630	Batch#:	109369
Matrix:	Water	Analyzed:	01/10/06
Units:	ug/L		

Analyte	Result	RL
Gasoline C7-C12	ND	50
tert-Butyl Alcohol (TBA)	ND	10
Isopropyl Ether (DIPE)	ND	0.50
Ethyl tert-Butyl Ether (ETBE)	ND	0.50
Methyl tert-Amyl Ether (TAME)	ND	0.50
MTBE	ND	0.50
1,2-Dichloroethane	ND	0.50
Benzene	ND	0.50
Ethanol	ND	1,000
Toluene	ND	0.50
1,2-Dibromoethane	ND	0.50
Ethylbenzene	ND	0.50
m,p-Xylenes	ND	0.50
o-Xylene	ND	0.50

Surrogate	%REC	Limits
Dibromofluoromethane	99	80-121
1,2-Dichloroethane-d4	91	80-125
Toluene-d8	101	80-120
Bromofluorobenzene	110	80-124

ND= Not Detected

RL= Reporting Limit

Page 1 of 1

Batch QC Report

Gasoline by GC/MS

Lab #: 184141	Location: 3609 Int'l Blvd., Oakland
Client: SOMA Environmental Engineering Inc.	Prep: EPA 5030B
Project#: 2331	Analysis: EPA 8260B
Matrix: Water	Batch#: 109337
Units: ug/L	Analyzed: 01/09/06
Diln Fac: 1.000	

Type: BS Lab ID: QC323510

Analyte	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	125.0	135.7	109	66-138
Isopropyl Ether (DIPE)	25.00	20.11	80	74-121
Ethyl tert-Butyl Ether (ETBE)	25.00	23.54	94	77-123
Methyl tert-Amyl Ether (TAME)	25.00	24.04	96	77-120
MTBE	25.00	21.33	85	72-120
1,2-Dichloroethane	25.00	27.18	109	77-120
Benzene	25.00	24.13	97	80-120
Toluene	25.00	25.55	102	80-120
1,2-Dibromoethane	25.00	26.48	106	80-120
Ethylbenzene	25.00	27.59	110	80-120
m,p-Xylenes	50.00	55.04	110	80-121
o-Xylene	25.00	27.73	111	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	91	80-121
1,2-Dichloroethane-d4	103	80-125
Toluene-d8	96	80-120
Bromofluorobenzene	98	80-124

Type: BSD Lab ID: QC323511

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
tert-Butyl Alcohol (TBA)	125.0	133.5	107	66-138	2	25
Isopropyl Ether (DIPE)	25.00	20.22	81	74-121	1	20
Ethyl tert-Butyl Ether (ETBE)	25.00	23.09	92	77-123	2	20
Methyl tert-Amyl Ether (TAME)	25.00	23.66	95	77-120	2	20
MTBE	25.00	21.75	87	72-120	2	20
1,2-Dichloroethane	25.00	24.65	99	77-120	10	20
Benzene	25.00	22.08	88	80-120	9	20
Toluene	25.00	23.73	95	80-120	7	20
1,2-Dibromoethane	25.00	24.79	99	80-120	7	20
Ethylbenzene	25.00	25.20	101	80-120	9	20
m,p-Xylenes	50.00	51.15	102	80-121	7	20
o-Xylene	25.00	25.23	101	80-120	9	20

Surrogate	%REC	Limits
Dibromofluoromethane	90	80-121
1,2-Dichloroethane-d4	99	80-125
Toluene-d8	95	80-120
Bromofluorobenzene	102	80-124

Batch QC Report

Gasoline by GC/MS

Lab #:	184141	Location:	3609 Int'l Blvd., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2331	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	109337
Units:	ug/L	Analyzed:	01/09/06
Diln Fac:	1.000		

Type: BS Lab ID: QC323512

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	1,000	1,007	101	70-130

Surrogate	%REC	Limits
Dibromofluoromethane	91	80-121
1,2-Dichloroethane-d4	104	80-125
Toluene-d8	98	80-120
Bromofluorobenzene	98	80-124

Type: BSD Lab ID: QC323513

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	1,000	1,050	105	70-130	4	20

Surrogate	%REC	Limits
Dibromofluoromethane	89	80-121
1,2-Dichloroethane-d4	103	80-125
Toluene-d8	98	80-120
Bromofluorobenzene	99	80-124

Batch QC Report

Gasoline by GC/MS

Lab #:	184141	Location:	3609 Int'l Blvd., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2331	Analysis:	EPA 8260B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC323627	Batch#:	109369
Matrix:	Water	Analyzed:	01/10/06
Units:	ug/L		

Analyte	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	125.0	111.3	89	66-138
Isopropyl Ether (DIPE)	25.00	24.93	100	74-121
Ethyl tert-Butyl Ether (ETBE)	25.00	27.34	109	77-123
Methyl tert-Amyl Ether (TAME)	25.00	22.62	90	77-120
MTBE	25.00	23.89	96	72-120
1,2-Dichloroethane	25.00	22.08	88	77-120
Benzene	25.00	23.94	96	80-120
Toluene	25.00	23.92	96	80-120
1,2-Dibromoethane	25.00	23.72	95	80-120
Ethylbenzene	25.00	24.12	96	80-120
m,p-Xylenes	50.00	48.23	96	80-121
o-Xylene	25.00	24.24	97	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	103	80-121
1,2-Dichloroethane-d4	89	80-125
Toluene-d8	100	80-120
Bromofluorobenzene	102	80-124

Batch QC Report

Gasoline by GC/MS

Lab #:	184141	Location:	3609 Int'l Blvd., Oakland
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2331	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	109369
Units:	ug/L	Analyzed:	01/10/06
Diln Fac:	1.000		

Type: BS Lab ID: QC323628

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	1,000	943.9	94	70-130

Surrogate	%REC	Limits
Dibromofluoromethane	105	80-121
1,2-Dichloroethane-d4	93	80-125
Toluene-d8	101	80-120
Bromofluorobenzene	103	80-124

Type: BSD Lab ID: QC323629

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	1,000	1,012	101	70-130	7	20

Surrogate	%REC	Limits
Dibromofluoromethane	100	80-121
1,2-Dichloroethane-d4	90	80-125
Toluene-d8	101	80-120
Bromofluorobenzene	102	80-124

Batch QC Report

Gasoline by GC/MS

Lab #: 184141	Location: 3609 Int'l Blvd., Oakland
Client: SOMA Environmental Engineering Inc.	Prep: EPA 5030B
Project#: 2331	Analysis: EPA 8260B
Field ID: ZZZZZZZZZZ	Batch#: 109369
MSS Lab ID: 184198-027	Sampled: 01/06/06
Matrix: Water	Received: 01/06/06
Units: ug/L	Analyzed: 01/11/06
Diln Fac: 1.000	

Type: MS Lab ID: QC323631

Analyte	MSS Result	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	<1.348	125.0	115.3	92	70-145
Isopropyl Ether (DIPE)	<0.02749	25.00	24.70	99	78-125
Ethyl tert-Butyl Ether (ETBE)	<0.03408	25.00	27.02	108	78-124
Methyl tert-Amyl Ether (TAME)	<0.05699	25.00	23.07	92	78-120
MTBE	0.2887	25.00	23.89	94	74-121
1,2-Dichloroethane	<0.05559	25.00	23.21	93	78-121
Benzene	<0.02734	25.00	25.11	100	78-120
Toluene	0.1547	25.00	25.40	101	78-120
1,2-Dibromoethane	<0.06951	25.00	24.67	99	80-120
Ethylbenzene	<0.1099	25.00	24.61	98	77-120
m,p-Xylenes	<0.1956	50.00	49.20	98	74-120
o-Xylene	<0.1276	25.00	25.06	100	74-120

Surrogate	%REC	Limits
Dibromofluoromethane	101	80-121
1,2-Dichloroethane-d4	91	80-125
Toluene-d8	101	80-120
Bromofluorobenzene	103	80-124

Type: MSD Lab ID: QC323632

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
tert-Butyl Alcohol (TBA)	125.0	122.4	98	70-145	6	22
Isopropyl Ether (DIPE)	25.00	24.78	99	78-125	0	20
Ethyl tert-Butyl Ether (ETBE)	25.00	27.40	110	78-124	1	20
Methyl tert-Amyl Ether (TAME)	25.00	23.86	95	78-120	3	20
MTBE	25.00	24.43	97	74-121	2	20
1,2-Dichloroethane	25.00	23.64	95	78-121	2	20
Benzene	25.00	25.19	101	78-120	0	20
Toluene	25.00	25.09	100	78-120	1	20
1,2-Dibromoethane	25.00	25.69	103	80-120	4	20
Ethylbenzene	25.00	24.13	97	77-120	2	20
m,p-Xylenes	50.00	48.08	96	74-120	2	20
o-Xylene	25.00	24.53	98	74-120	2	20

Surrogate	%REC	Limits
Dibromofluoromethane	101	80-121
1,2-Dichloroethane-d4	93	80-125
Toluene-d8	103	80-120
Bromofluorobenzene	103	80-124

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: 17-JAN-06

Lab Job Number: 184144

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

This package may be reproduced only in its entirety.

CASE NARRATIVE

Laboratory number: 184144
Client: SOMA Environmental Engineering Inc.
Project: 2333
Location: 3609 International Blvd
Request Date: 01/04/06
Samples Received: 01/04/06

This hardcopy data package contains sample and QC results for three water samples, requested for the above referenced project on 01/04/06. The samples were received cold and intact.

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

Lisa Brooker

From: "Tony Perini" <tperini@somaenv.com>
To: <Lisa@ctberk.com>
Sent: Thursday, January 12, 2006 2:05 PM
Subject: RE: 2333 - C&T Reports (184144)

Lisa for this lab report, the samples for PSP#1 and influent have been switched. Please correct the field IDs, label PSP#1 on report as influent, and influent on report as PSP#1. Higher concentrations should be at the influent to the system. Thank you. If there is any further questions please call me at 925-734-6400.

-----Original Message-----

From: Joyce Bobek [mailto:jbobek@somaenv.com]
Sent: Wednesday, January 11, 2006 10:40 AM
To: Tony Perini
Subject: FW: 2333 - C&T Reports (184144)

-----Original Message-----

From: Lisa Brooker [mailto:lisa@ctberk.com]
Sent: Wednesday, January 11, 2006 10:23 AM
To: jbobek@somaenv.com
Subject: 2333 - C&T Reports (184144)

Attached is a PDF version of the hardcopy reports for C&T job 184144.

Email compiled and sent 01/11/06 10:22 AM.

Gasoline by GC/MS

Lab #:	184144	Location:	3609 International Blvd
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2333	Analysis:	EPA 8260B
Field ID:	PSP#1	Batch#:	109339
Lab ID:	184144-001	Sampled:	01/04/06
Matrix:	Water	Received:	01/04/06
Units:	ug/L	Analyzed:	01/09/06
Diln Fac:	1.000		

Analyte	Result	RL
Gasoline C7-C12	ND	50
tert-Butyl Alcohol (TBA)	ND	10
Isopropyl Ether (DIPE)	ND	0.50
Ethyl tert-Butyl Ether (ETBE)	ND	0.50
Methyl tert-Amyl Ether (TAME)	ND	0.50
MTBE	ND	0.50
1,2-Dichloroethane	ND	0.50
Benzene	ND	0.50
Ethanol	ND	1,000
Toluene	ND	0.50
1,2-Dibromoethane	ND	0.50
Ethylbenzene	ND	0.50
m,p-Xylenes	ND	0.50
o-Xylene	ND	0.50

Surrogate	%REC	Limits
Dibromofluoromethane	102	80-121
1,2-Dichloroethane-d4	90	80-125
Toluene-d8	99	80-120
Bromofluorobenzene	105	80-124

**Gasoline by GC/MS**

Lab #:	184144	Location:	3609 International Blvd
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2333	Analysis:	EPA 8260B
Field ID:	GAC-1	Batch#:	109339
Lab ID:	184144-002	Sampled:	01/04/06
Matrix:	Water	Received:	01/04/06
Units:	ug/L	Analyzed:	01/09/06
Diln Fac:	1.000		

Analyte	Result	RL
Gasoline C7-C12	ND	50
tert-Butyl Alcohol (TBA)	ND	10
Isopropyl Ether (DIPE)	ND	0.50
Ethyl tert-Butyl Ether (ETBE)	ND	0.50
Methyl tert-Amyl Ether (TAME)	ND	0.50
MTBE	ND	0.50
1,2-Dichloroethane	ND	0.50
Benzene	ND	0.50
Ethanol	ND	1,000
Toluene	ND	0.50
1,2-Dibromoethane	ND	0.50
Ethylbenzene	ND	0.50
m,p-Xylenes	ND	0.50
o-Xylene	ND	0.50

Surrogate	%REC	Limits
Dibromofluoromethane	101	80-121
1,2-Dichloroethane-d4	90	80-125
Toluene-d8	99	80-120
Bromofluorobenzene	103	80-124

Gasoline by GC/MS

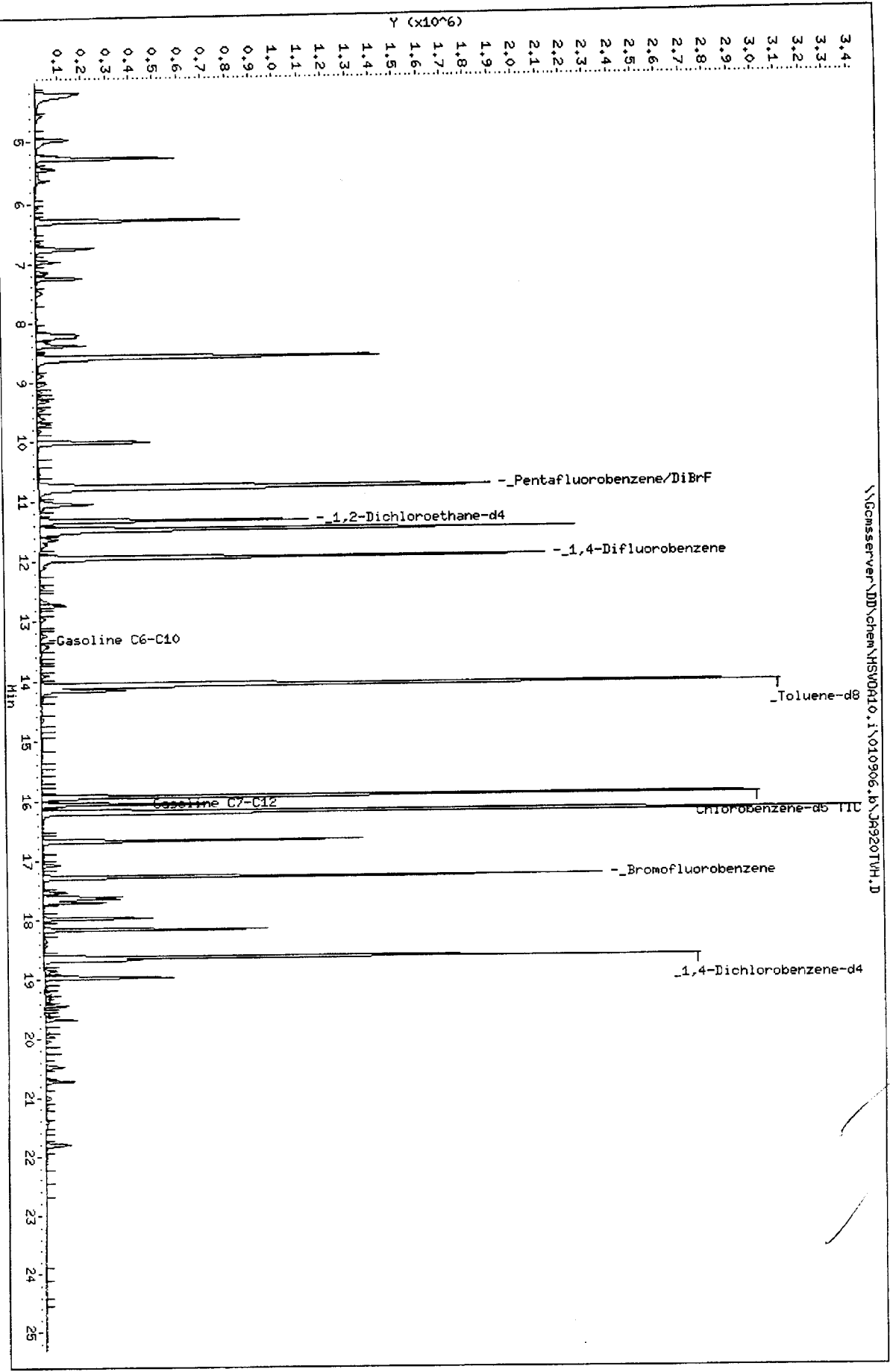
Lab #: 184144	Location: 3609 International Blvd
Client: SOMA Environmental Engineering Inc.	Prep: EPA 5030B
Project#: 2333	Analysis: EPA 8260B
Field ID: INFLUENT	Batch#: 109339
Lab ID: 184144-003	Sampled: 01/04/06
Matrix: Water	Received: 01/04/06
Units: ug/L	Analyzed: 01/09/06
Diln Fac: 10.00	

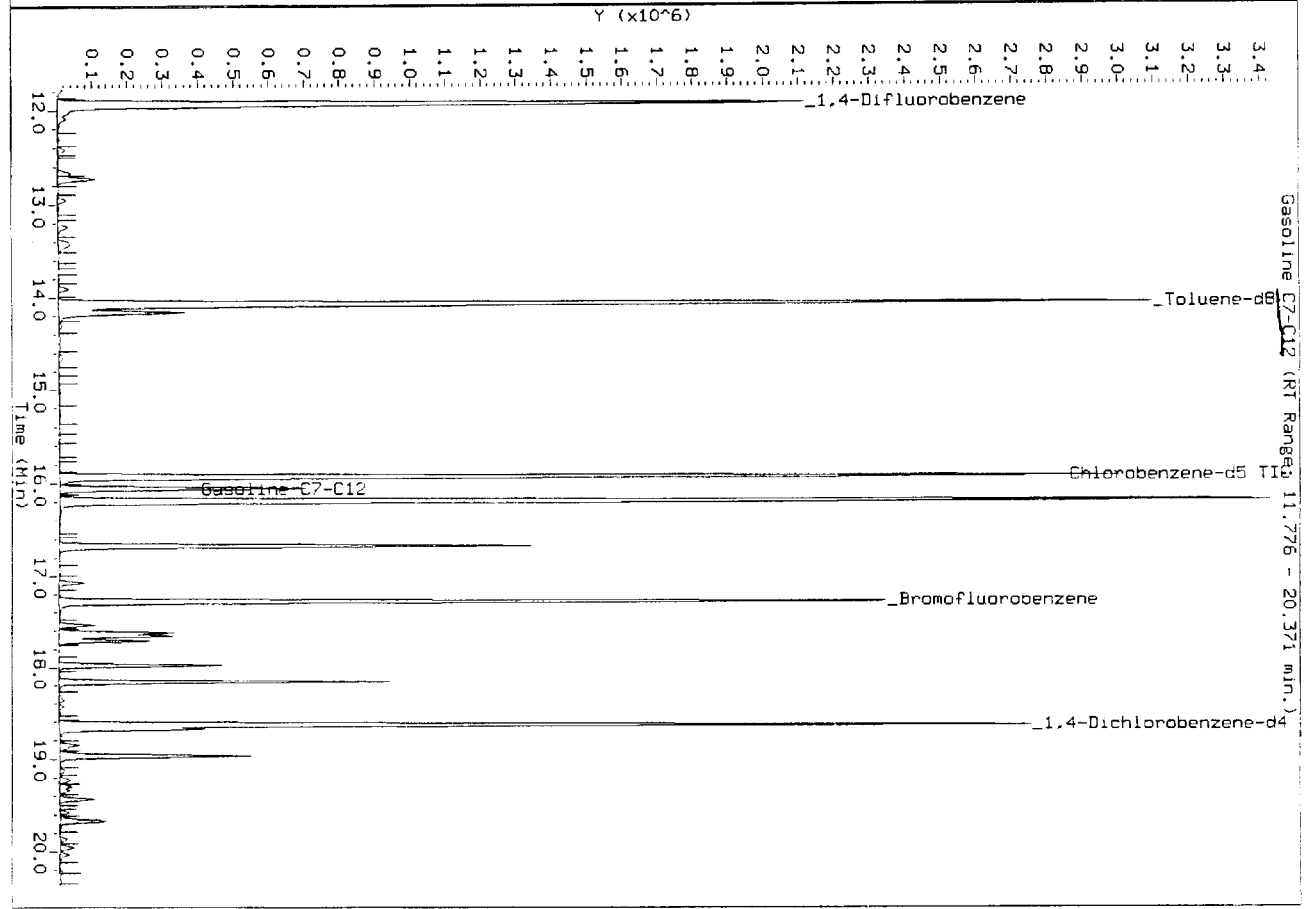
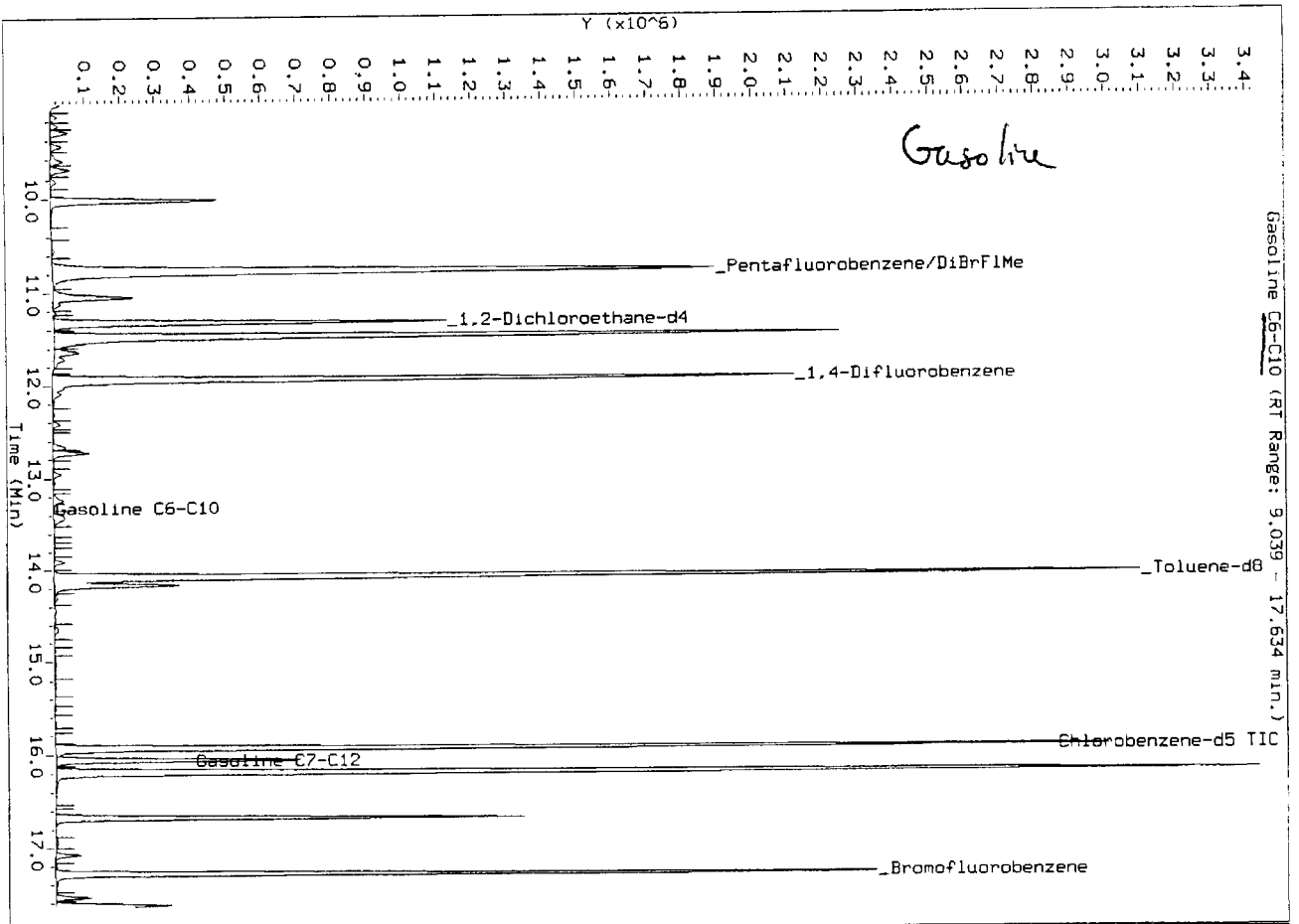
Analyte	Result	RL
Gasoline C7-C12	6,700	500
tert-Butyl Alcohol (TBA)	390	100
Isopropyl Ether (DIPE)	ND	5.0
Ethyl tert-Butyl Ether (ETBE)	ND	5.0
Methyl tert-Amyl Ether (TAME)	ND	5.0
MTBE	740	5.0
1,2-Dichloroethane	ND	5.0
Benzene	750	5.0
Ethanol	ND	10,000
Toluene	94	5.0
1,2-Dibromoethane	ND	5.0
Ethylbenzene	160	5.0
m,p-Xylenes	900	5.0
o-Xylene	310	5.0

Surrogate	%REC	Limits
Dibromofluoromethane	102	80-121
1,2-Dichloroethane-d4	91	80-125
Toluene-d8	100	80-120
Bromofluorobenzene	100	80-124

Data File: \\Gomsserver\DD\chem\HSVD10.1\010906.b\J9201VH.D
Date : 09-JAN-2006 21:46
Client ID: DYNA P&T
Sample Info: S.184144-003
Column phase:

Instrument: HSD10.1
Operator: VDC
Column diameter: 2.00





Batch QC Report

Gasoline by GC/MS

Lab #:	184144	Location:	3609 International Blvd
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2333	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC323524	Batch#:	109339
Matrix:	Water	Analyzed:	01/09/06
Units:	ug/L		

Analyte	Result	RL
Gasoline C7-C12	ND	50
tert-Butyl Alcohol (TBA)	ND	10
Isopropyl Ether (DIPE)	ND	0.50
Ethyl tert-Butyl Ether (ETBE)	ND	0.50
Methyl tert-Amyl Ether (TAME)	ND	0.50
MTBE	ND	0.50
1,2-Dichloroethane	ND	0.50
Benzene	ND	0.50
Ethanol	ND	1,000
Toluene	ND	0.50
1,2-Dibromoethane	ND	0.50
Ethylbenzene	ND	0.50
m,p-Xylenes	ND	0.50
o-Xylene	ND	0.50

Surrogate	%REC	Limits
Dibromofluoromethane	100	80-121
1,2-Dichloroethane-d4	90	80-125
Toluene-d8	100	80-120
Bromofluorobenzene	110	80-124

Batch QC Report

Gasoline by GC/MS

Lab #:	184144	Location:	3609 International Blvd
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2333	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	109339
Units:	ug/L	Analyzed:	01/09/06
Diln Fac:	1.000		

Type: BS Lab ID: QC323520

Analyte	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	125.0	115.2	92	66-138
Isopropyl Ether (DIPE)	25.00	23.06	92	74-121
Ethyl tert-Butyl Ether (ETBE)	25.00	26.16	105	77-123
Methyl tert-Amyl Ether (TAME)	25.00	22.29	89	77-120
MTBE	25.00	22.92	92	72-120
1,2-Dichloroethane	25.00	21.57	86	77-120
Benzene	25.00	23.10	92	80-120
Toluene	25.00	24.27	97	80-120
1,2-Dibromoethane	25.00	23.78	95	80-120
Ethylbenzene	25.00	23.11	92	80-120
m,p-Xylenes	50.00	47.55	95	80-121
o-Xylene	25.00	23.59	94	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	100	80-121
1,2-Dichloroethane-d4	89	80-125
Toluene-d8	99	80-120
Bromofluorobenzene	104	80-124

Type: BSD Lab ID: QC323521

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
tert-Butyl Alcohol (TBA)	125.0	108.2	87	66-138	6	25
Isopropyl Ether (DIPE)	25.00	25.38	102	74-121	10	20
Ethyl tert-Butyl Ether (ETBE)	25.00	28.08	112	77-123	7	20
Methyl tert-Amyl Ether (TAME)	25.00	23.34	93	77-120	5	20
MTBE	25.00	24.26	97	72-120	6	20
1,2-Dichloroethane	25.00	22.90	92	77-120	6	20
Benzene	25.00	25.10	100	80-120	8	20
Toluene	25.00	26.12	104	80-120	7	20
1,2-Dibromoethane	25.00	24.52	98	80-120	3	20
Ethylbenzene	25.00	25.38	102	80-120	9	20
m,p-Xylenes	50.00	51.70	103	80-121	8	20
o-Xylene	25.00	26.04	104	80-120	10	20

Surrogate	%REC	Limits
Dibromofluoromethane	100	80-121
1,2-Dichloroethane-d4	87	80-125
Toluene-d8	99	80-120
Bromofluorobenzene	102	80-124



Batch QC Report

Gasoline by GC/MS

Lab #:	184144	Location:	3609 International Blvd
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2333	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	109339
Units:	ug/L	Analyzed:	01/09/06
Diln Fac:	1.000		

Type: BS Lab ID: QC323522

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	1,000	1,008	101	70-130

Surrogate	%REC	Limits
Dibromofluoromethane	100	80-121
1,2-Dichloroethane-d4	89	80-125
Toluene-d8	100	80-120
Bromofluorobenzene	101	80-124

Type: BSD Lab ID: QC323523

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	1,000	1,019	102	70-130	1	20

Surrogate	%REC	Limits
Dibromofluoromethane	99	80-121
1,2-Dichloroethane-d4	90	80-125
Toluene-d8	99	80-120
Bromofluorobenzene	102	80-124

PAL

Pacific Analytical Laboratory

851 West Midway Ave. Suite 201
Alameda, CA 94501

Phone (510) 864-0364

20 December 2005

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

RE: 3609 International Blvd, Oakland

Work Order Number: 5120007

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,



Maïid Akhavan
Laboratory Director



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

Project: 3609 International Blvd, Oakland
Project Number: 2333
Project Manager: Mansour Sepchr

Reported:
20-Dec-05 11:33

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Influent	5120007-01	Water	09-Dec-05 10:10	09-Dec-05 11:13
GAC-1	5120007-02	Water	09-Dec-05 10:05	09-Dec-05 11:13
PSP-1	5120007-03	Water	09-Dec-05 10:00	09-Dec-05 11:13



SOMA Environmental Engineering Inc. 6620 Owens Drive, Suite A Pleasanton CA, 94588	Project: 3609 International Blvd, Oakland Project Number: 2333 Project Manager: Mansour Sepehr	Reported: 20-Dec-05 11:33
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Volatile Organic Compounds by EPA Method 8260B
Pacific Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Influent (5120007-01RE1) Water Sampled: 09-Dec-05 10:10 Received: 09-Dec-05 11:13									
Gasoline (C6-C12)	1220	215	ug/l	4.3	BL51501	09-Dec-05	14-Dec-05	EPA 8260B	
Benzene	253	2.15	"	"	"	"	"	"	
Ethylbenzene	8.40	2.15	"	"	"	"	"	"	
m&p-Xylene	98.0	4.30	"	"	"	"	"	"	
o-xylene	52.7	2.15	"	"	"	"	"	"	
Toluene	ND	8.60	"	"	"	"	"	"	
MTBE	518	2.15	"	"	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		<i>87.6 %</i>	<i>70-130</i>						
<i>Surrogate: Dibromofluoromethane</i>		<i>108 %</i>	<i>70-130</i>						
<i>Surrogate: Perdeuterotoluene</i>		<i>90.8 %</i>	<i>70-130</i>						
GAC-1 (5120007-02) Water Sampled: 09-Dec-05 10:05 Received: 09-Dec-05 11:13									
Gasoline (C6-C12)	ND	50.0	ug/l	1	BL51501	09-Dec-05	13-Dec-05	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	"	"	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		<i>80.0 %</i>	<i>70-130</i>						
<i>Surrogate: Dibromofluoromethane</i>		<i>112 %</i>	<i>70-130</i>						
<i>Surrogate: Perdeuterotoluene</i>		<i>90.2 %</i>	<i>70-130</i>						
PSP-1 (5120007-03) Water Sampled: 09-Dec-05 10:00 Received: 09-Dec-05 11:13									
Gasoline (C6-C12)	ND	50.0	ug/l	1	BL51501	09-Dec-05	13-Dec-05	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	"	"	"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		<i>77.6 %</i>	<i>70-130</i>						
<i>Surrogate: Dibromofluoromethane</i>		<i>116 %</i>	<i>70-130</i>						
<i>Surrogate: Perdeuterotoluene</i>		<i>92.8 %</i>	<i>70-130</i>						

Pacific Analytical Laboratory

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



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

Project: 3609 International Blvd, Oakland
Project Number: 2333
Project Manager: Mansour Sepehr

Reported:
20-Dec-05 11:33

Volatile Organic Compounds by EPA Method 8260B

Pacific Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
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SOMA Environmental Engineering Inc.
6620 Owens Drive, Suite A
Pleasanton CA, 94588

Project: 3609 International Blvd, Oakland
Project Number: 2333
Project Manager: Mansour Sepehr

Reported:
20-Dec-05 11:33

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Pacific Analytical Laboratory

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch BL51501 - EPA 5030 Water MS

Blank (BL51501-BLK1)

Prepared & Analyzed: 15-Dec-05

Surrogate: 4-Bromofluorobenzene	40.6		ug/l	50.0		81.2	70-130			
Surrogate: Dibromofluoromethane	54.9		"	50.0		110	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 (BL51501-BS1)

Prepared & Analyzed: 15-Dec-05

Surrogate: 4-Bromofluorobenzene	47.9		ug/l	50.0		95.8	70-130			
Surrogate: Dibromofluoromethane	51.2		"	50.0		102	70-130			
Surrogate: Perdeuterotoluene	47.3		"	50.0		94.6	70-130			
Gasoline (C6-C12)	1560	50.0	"	2000		78.0	70-130			
Benzene	109	0.500	"	100		109	70-130			
Toluene	108	2.00	"	100		108	70-130			
MTBE	101	0.500	"	100		101	70-130			

LCS Dup (BL51501-BSD1)

Prepared & Analyzed: 15-Dec-05

Surrogate: 4-Bromofluorobenzene	46.5		ug/l	50.0		93.0	70-130			
Surrogate: Dibromofluoromethane	52.4		"	50.0		105	70-130			
Surrogate: Perdeuterotoluene	46.8		"	50.0		93.6	70-130			
Gasoline (C6-C12)	1620	50.0	"	2000		81.0	70-130	3.77	20	
Benzene	106	0.500	"	100		106	70-130	2.75	20	
Toluene	107	2.00	"	100		107	70-130	0.950	20	
MTBE	106	0.500	"	100		106	70-130	4.83	20	

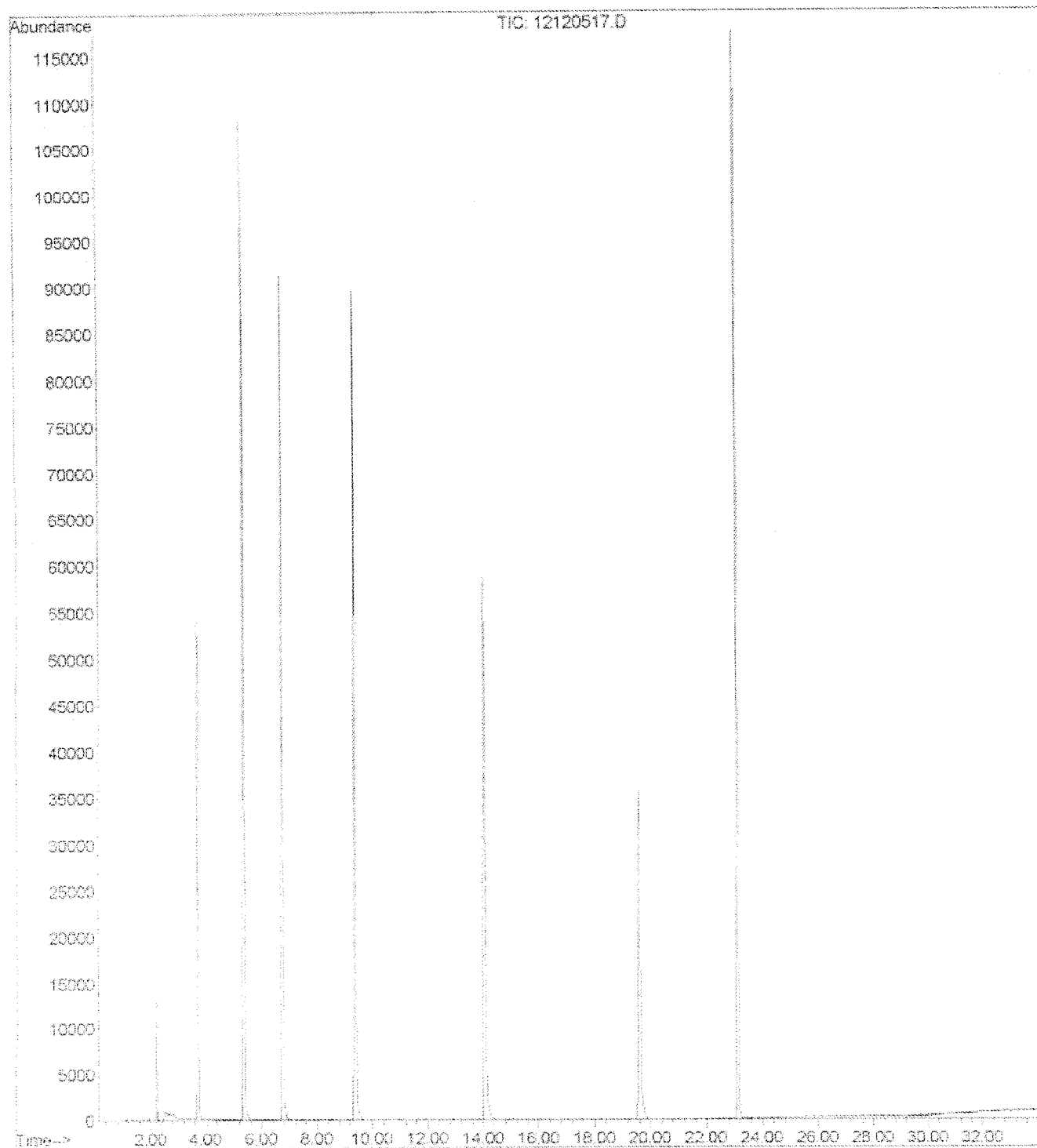


SOMA Environmental Engineering Inc. 6620 Owens Drive, Suite A Pleasanton C.A. 94588	Project: 3609 International Blvd. Oakland Project Number: 2333 Project Manager: Mansour Sepchr	Reported: 20-Dec-05 11:33
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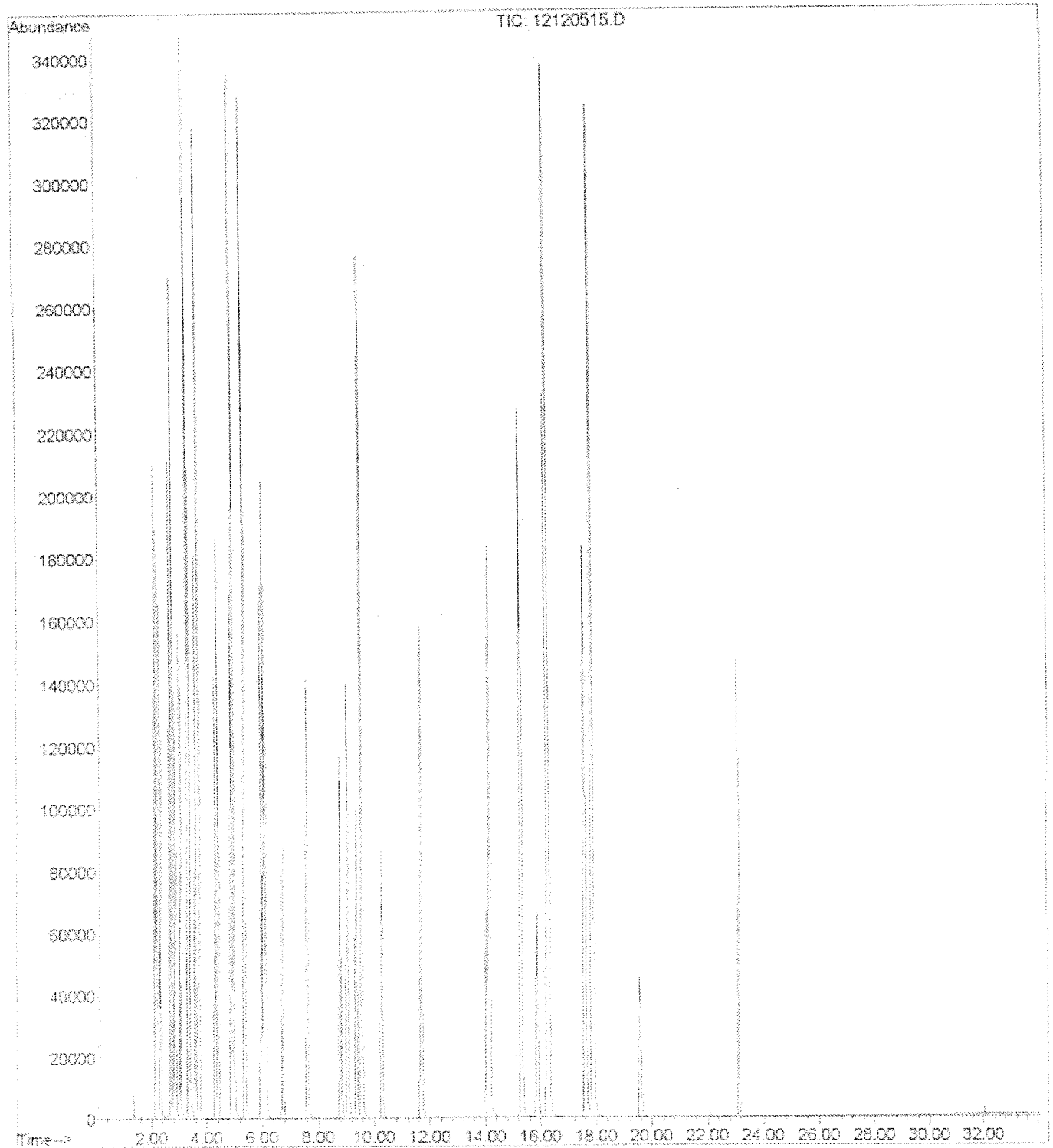
Notes and Definitions

- 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

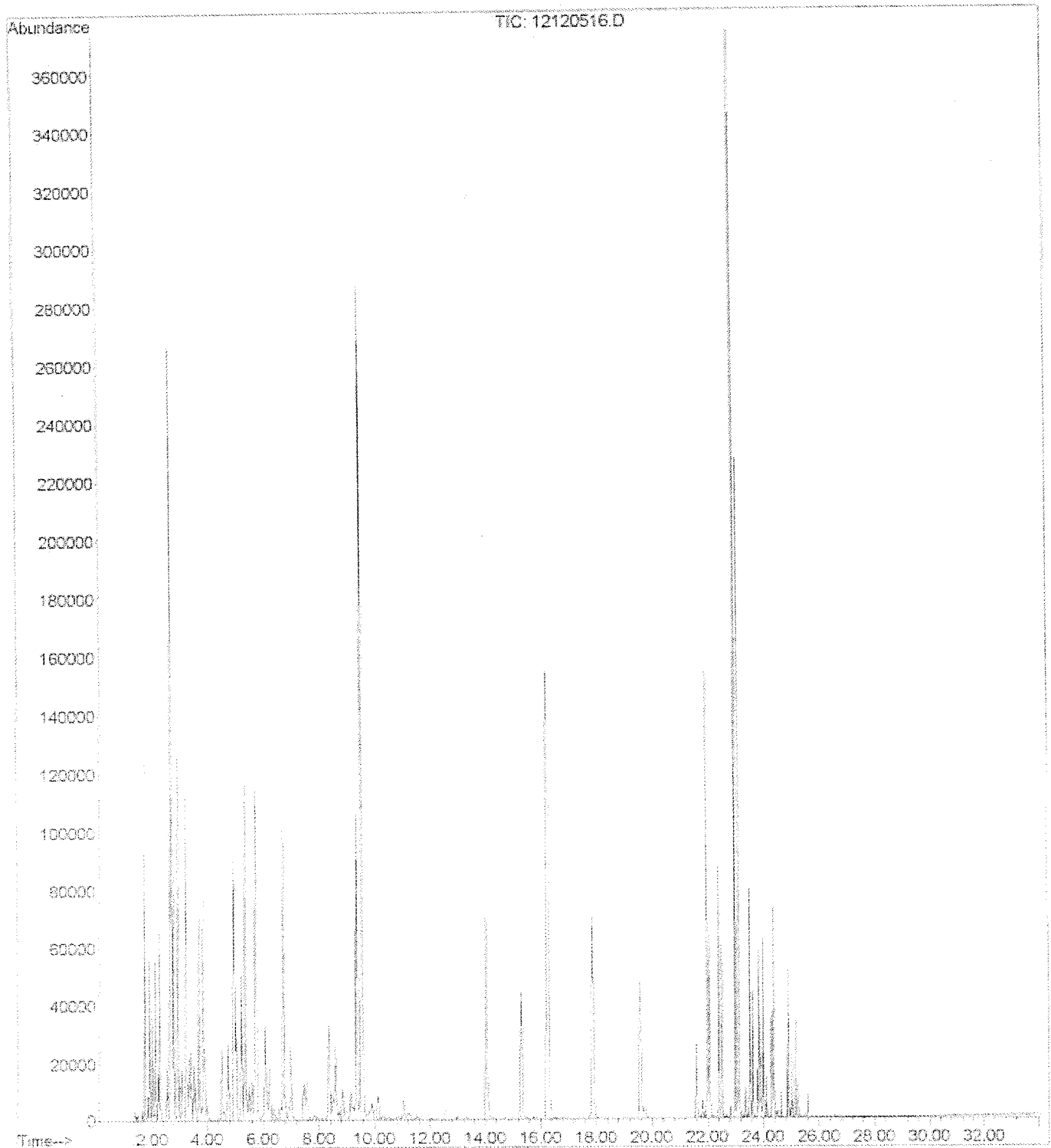
File : C:\MSDCHEM\1\DATA\2005-Dec-12-1721.b\12120517.D
Operator :
Acquired : 13 Dec 2005 1:29 pm using AcqMethod VOOCOXY.M
Instrument : PAL GCMS
Sample Name: BL51501-BLK1
Misc Info :
Vial Number: 17



File :C:\MSDCHEM\1\DATA\2005-Dec-12-1721.b\12120515.D
Operator :
Acquired : 13 Dec 2005 11:42 am using AcqMethod VOCCOXY.M
Instrument : PAL GCMS
Sample Name: BL51501-BS1@voc
Misc Info :
Vial Number: 15



File : C:\MSDCHEM\1\DATA\2005-Dec-12-1721.b\12120516.D
Operator :
Acquired : 13 Dec 2005 12:45 pm using AcqMethod VOOCOXY.M
Instrument : PAL GCMS
Sample Name: BL51501-BS1@gas
Misc Info :
Vial Number: 16



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# 920007

Project No: 2333		Sampler: <u>Pravin Timis / Mehran Davarzi</u>				Analyses/Method						
Project Name: 3609 International Blvd, Oakland		Report To: Tony Perini				TPAHQ, STEEX, MSBE 9260B						
Turnaround Time: Standard		Company: SOMA Environmental Engineering, Inc.										
		Tel: 925-734-6400 Fax: 925-734-6401										
Lab No.	Sample ID	Sampling Date/Time		Matrix			# of Containers	Preservatives				Field Notes
		Date	Time	Soil	Water	Waste		HCL	H2SO4	HNO3	ICE	
	Influent	<u>12/9/05</u>	<u>10:30 AM</u>	*	*	*	3-VOAs	*	*	*	*	Grab Sample
	GAC-1	<u>12/9/05</u>	<u>12:05 AM</u>	*	*	*	3-VOAs	*	*	*	*	Grab Sample
	PSP-1	<u>12/9/05</u>	<u>12:20 AM</u>	*	*	*	3-VOAs	*	*	*	*	Grab Sample
Sampler Remarks: EDF Output Required				Relinquished by: <u>BT</u>		Date/Time: <u>11:10AM</u> <u>12/9/05</u>		Received by: <u>Mehran Davarzi</u>		Date/Time: <u>11:10AM</u> <u>12/9/05</u>		