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January 21, 2005

Mr. Amir Gholami 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. Gholami:

Enclosed for your review is a copy of SOMA's "Fourth Quarter 2004 Groundwater Monitoring and Remediation System Operation Report" for the subject property.

Thank you for your time in reviewing our report. If you have any questions or comments, please call me at (925) 244-6600.

Sincerely,

Mansour Sepenr, Ph.D., PE Principal Hydrogeologist

Enclosure

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

Mr. Vince Tong w/enclosure Traction International

#### 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 Service's requirements for the Fourth Quarter 2004

groundwater monitoring event.

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

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#### 1.0 Introduction

This 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 36<sup>th</sup> Avenue in Oakland, California (the "Site"), as shown in Figure 1.

The Site is located in an area where the surrounding properties are primarily commercial businesses and residential housing. The Site currently houses a gasoline service station and convenience store. During the Third Quarter 2002 the station was remodeled and several hydraulic hoists were removed. The station no longer has an auto repair facility. Figure 2 illustrates the locations of the main service station, dispenser islands, underground storage tanks (USTs), the on-site and off-site groundwater monitoring wells, and neighboring properties.

This report summarizes the results of the Fourth Quarter 2004 groundwater monitoring event conducted at the Site on December 7 and December 8, 2004. Included in this report are the results of the laboratory analysis on the groundwater samples that were analyzed for:

- Total petroleum hydrocarbons as gasoline (TPH-g);
- Benzene, toluene, ethylbenzene, total xylenes (collectively referred to as BTEX); and
- Methyl tertiary Butyl Ether (MtBE).

In addition to the above laboratory analyses, a natural attenuation study was conducted during this monitoring event. This study consisted of measuring groundwater bioattenuation parameters, which included dissolved oxygen (DO), ferrous iron (Fe<sup>+2</sup>), nitrate (NO<sub>3</sub><sup>-</sup>) and sulfate (SO<sub>4</sub><sup>-2</sup>). The objective of the natural attenuation study was to evaluate whether the petroleum hydrocarbons found in the groundwater were biodegrading. Therefore, groundwater samples collected during this monitoring event were analyzed for common electron acceptors and other geochemical indicators. The results of these analyses are also described in this report.

These 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).

Appendix A details the groundwater monitoring procedures used during the Fourth Quarter 2004 monitoring event.

This report also describes the operation of the groundwater extraction system installed by SOMA in December 1999, as well as the operation of the vapor extraction system, which 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 1992, Soil Tech Engineering, Inc. (STE) conducted an initial environmental investigation to determine whether or not the soil near the product lines and USTs had been impacted by petroleum hydrocarbons. In July 1993, STE 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 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, Mr. Razi retained Western Geo-Engineers (WEGE) to conduct additional investigations and perform groundwater monitoring on a quarterly basis. The results of the WEGE groundwater monitoring events indicated elevated levels of petroleum hydrocarbons and MtBE in the groundwater.

In April 1999, Mr. Razi 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. This treatment system has been in operation since early December 1999. In July 2000, following approval from the ACEHS, SOMA installed a vapor extraction system as recommended in our CAP document, dated July 1, 1999.

In January 2002, Environmental Fabric removed old product dispensers and installed new ones in the fuel islands.

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.

#### 2.0 Results

The following sections provide the results of the field measurements and laboratory analyses for the December 7 and 8, 2004 groundwater monitoring event.

#### 2.1 Field Measurements

Table 1 presents the calculated groundwater elevations, as well as the depths to groundwater for each monitoring well and riser. The calculated groundwater elevation data was used to evaluate the impact of the French drain and determine the extent of the groundwater extraction capture zone.

As shown in Table 1, the depths to groundwater for the monitoring wells ranged from 9.29 feet in monitoring well MW-10 to 11.32 feet in monitoring well MW-3. The corresponding groundwater elevations ranged from 26.81 in well MW-12 to 30.43 feet in well MW-5. The groundwater elevations for the center, east and west risers were 24.79 feet, 25.81 feet and 24.31 feet, respectively.

Groundwater elevations in all of the monitoring wells increased since the Third Quarter 2004. Local recharge rates in each well, as well as seasonal fluctuations determine the variations in the groundwater elevations. Due to the amount of rain encountered this quarter, the groundwater elevations have increased.

Figure 3 displays the groundwater elevation contour map as measured during the Fourth Quarter 2004 monitoring event. Throughout the Site, the groundwater flows towards the French drain at an approximate gradient of 0.071 feet/feet. The lowest site-wide groundwater elevation was measured in the center French drain riser. The calculated groundwater elevation data was also used to evaluate the impact of the French drain's operation. Based on the groundwater elevation data, it appears that 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.

Naturally occurring biological processes can enhance the removal rate of contaminants in the subsurface. During the degradation processes, indigenous bacteria that exist in the subsurface utilize the energy released from the transfer of electrons to drive the redox reactions that remove organic mass from contaminated groundwater. The more positive the redox potential of an electron acceptor, the more energetically favorable is the reaction utilizing that electron acceptor. Based on thermodynamic considerations, the most energetically preferred electron acceptor for redox reactions is DO, followed by nitrate, manganese, ferric iron, sulfate, and carbon dioxide, in descending order of preference. Evaluating the distribution of these electron acceptors can provide evidence of where and to what extent hydrocarbon biodegradation is occurring.

In general, DO was detected at low concentrations throughout the Site. The highest DO concentration was measured in well MW-1 at 5.02 mg/L. ORP showed negative redox potentials in all of the wells, with the exception of MW-5, MW-7, MW-10, and MW-11. Oxidation of petroleum hydrocarbons could have occurred in these monitoring wells at these low DO readings. The negative redox potentials indicate these wells are conducive to anaerobic biodegradation.

The presence of Fe<sup>2+</sup> indicates that the available DO in the subsurface has been consumed and anaerobic bacteria began to utilize other electrons acceptors, such as Fe<sup>3+</sup>, NO<sub>3</sub><sup>-</sup> and SO<sub>4</sub><sup>2-</sup>, to metabolize dissolved hydrocarbons. Ferrous iron concentrations can thus be used as an indicator of anaerobic biodegradation. Ferrous iron is a product of the reduction reaction of ferric iron and hydrocarbons. Ferrous iron was detected in wells MW-1, MW-3, MW-6, MW-8, and MW-12. In general, ferrous iron concentrations were detected at low values in these referenced wells, with the exception of well MW-3. Ferrous iron was detected at the equipment's maximum allowable range of 3.30 mg/L in well MW-3.

Nitrate concentrations were below the equipment's minimum allowable level in all of the groundwater samples collected throughout the Site. The presence of high ferrous iron concentrations in combination with non-detectable nitrate levels is 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 tolerance level in all of the groundwater samples collected throughout the Site, with the exception of well MW-5. Sulfate was detected in well MW-5 at 35 mg/L.

# 2.2 Laboratory Analysis

Table 1 presents the results of the laboratory analyses on the groundwater samples collected during the Fourth Quarter 2004 monitoring event. In general, the most impacted monitoring wells this quarter were MW-1 and MW-3, which are in the vicinity of the USTs, and MW-6, which is near the soil vapor extraction (SVE) system.

As shown in Table 1, TPH-g was detected in all of the groundwater samples collected this quarter, with the exception of well MW-4. The most impacted TPH-g well was MW-1, which had a concentration of 22,790 ug/L. However, high TPH-g concentrations were also detected in wells MW-3, MW-6, and MW-8. Figure 4 displays the contour map of the TPH-g concentrations in the groundwater during the Fourth Quarter 2004 monitoring event. As shown in

Figure 4, high TPH-g concentrations were detected in the vicinity of the USTs, near the SVE system, and in the vicinity of the French drain.

As shown in Table 1, all BTEX concentrations were at low levels in wells MW-2 and MW-11. In well MW-4, both toluene and total xylenes were below the laboratory reporting limit, and both benzene and ethylbenzene were at low levels. In wells MW-5 and MW-7, all BTEX analytes were below the laboratory reporting limit. In well MW-12, benzene was detected at a trace concentration, all other BTEX analytes were below the laboratory reporting limit.

BTEX concentrations appear to have impacted the locations in the vicinity of the UST cavity and SVE treatment system to a greater extent. The highest BTEX concentrations, with the exception of ethylbenzene, were detected in well MW-1. The highest ethylbenzene concentration was detected in well MW-6. Figure 5 displays the contour map of benzene concentrations in the groundwater during the Fourth Quarter 2004 monitoring event. As shown in Figure 5, the highest benzene concentrations were found in MW-1 and MW-3, which are in the vicinity of the USTs, and in well MW-6, which is in the vicinity of the vapor extraction system.

MtBE was below the laboratory reporting limit in monitoring wells MW-2, MW-4, MW-6, MW-7, and MW-11. Figure 6 displays the contour map of MtBE concentrations in the groundwater during the Fourth Quarter 2004 monitoring event, analyzed using EPA Method 8260B. In general, with the exception of well MW-1,MtBE was either at low concentrations or below the laboratory reporting limit throughout the Site.

The laboratory report and COC form for the Fourth Quarter 2004 monitoring event are included in Appendix C.

# 2.3 Historical Analytical Results

Table 1 shows the historical groundwater analytical data. The following concentration trends have been observed in the more impacted wells MW-1, MW-3, and MW-6, since the previous monitoring event.

- In well MW-1, TPH-g increased slightly, and both benzene and MtBE decreased.
- In well MW-3, TPH-g, benzene, and MtBE all decreased. TPH-g has shown a decreasing trend since the First Quarter 2004.
- In well MW-6, both TPH-g and benzene increased slightly, and MtBE remained below the laboratory reporting limit.

To review further detailed groundwater concentration trends refer to Table 1.

## 3.0 Groundwater Treatment System Operation

The treatment system began operating on December 9, 1999. Since that time, 2,667,620 gallons of groundwater has been treated and discharged under the existing discharge permit (as of December 6, 2004), into the East Bay Municipal Utility District's (EBMUD's) sewer system.

On January 9, 2004, the pneumatic downhole pumps in the western and center French drain risers were removed and replaced with electrical downhole pumps. On July 25, 2004, a downhole pneumatic pump was installed in the western riser of the French drain. The schematic of the remediation system is displayed in Figure 7.

As required by the discharge permit and the ACEHS, sampling of the groundwater treatment system has been performed on a routine basis. Table 2 presents the total volume of treated groundwater and the groundwater analytical results. Table 2 shows that all of the effluent samples have been below the discharge limits set forth by EBMUD.

The laboratory reports for the groundwater treatment system during this quarter are included in Appendix D of this report.

The cumulative masses of TPH-g and MtBE extracted from the groundwater since the installation of the treatment system is displayed in Figure 8. As Figure 8 shows, an approximate total of 177 pounds of TPH-g and 83 pounds of MtBE have been removed since the system's initial start-up until December 6, 2004.

# 4.0 Soil Vapor Extraction System Operation

The soil vapor extraction (SVE) system consists of 6 vapor extraction wells, a demoisturizing unit, a blower, and four drums of granulated active carbon (GAC) filters. The vapor extraction system began operating on July 24, 2000. Since then, during its working days, the system has extracted and treated more than 3,000,000 liters per day of soil gas. When the system first began to operate the influent had a concentration of 394 parts per million on volumetric basis (ppmv) of petroleum hydrocarbons. However, it gradually decreased to 68 ppmv after 31 days of operation.

The SVE system has remained in compliance with the Bay Area Air Quality Management District's (BAAQMD's) operating permit. In November 2002 and August 2003, SOMA met a representative of the BAAQMD on-site. Air samples from the SVE system were collected at this time and determined to be in compliance with the discharge permit's requirements.

During the rainy seasons the watertable ascends closer to the ground's surface causing a reduction in the depth of the unsaturated zone beneath the Site. The SVE system during the rainy time period is shutdown. During the drier seasons the system is restarted; this allows a greater petroleum mass to be removed in the larger unsaturated region. The SVE system was shutdown and has been inoperable since October 28, 2004.

SOMA has conducted periodic carbon change-outs on the SVE system to ensure the discharge limits are not exceeded. The last carbon change-out was on May 5, 2004. During this change-out, all four SVE carbon drums were replaced.

Field tests have been conducted to calculate the total mass of petroleum hydrocarbons removed by the SVE system. As shown in Table 3, as of October 28, 2004, the SVE system has removed approximately 424.20 pounds of petroleum hydrocarbons from the vadose zone beneath the Site.

### 5.0 Conclusions and Recommendations

The findings of the Fourth Quarter 2004 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.
- The bio-attenuation study confirmed the occurrence of biodegradation beneath the Site. Based on this study, the affected areas appear in the vicinity of the USTs in wells MW-1 and MW-3, as well as the eastern section of the Site in well MW-6.
- The source area remains in the vicinity of the USTs, in wells MW-1 and MW-3. High TPH-g concentrations were also detected in wells MW-6 and MW-8. However, TPH-g decreased significantly in well MW-3; benzene and MtBE also decreased.
- 4. In general, the GAC and SVE systems have effectively reduced contaminants throughout the Site.
- 5. Approximately 2,667,620 gallons of groundwater has been treated and discharged into EBMUD's sewer system, under the existing discharge permit (as of December 6, 2004). All effluent samples from the groundwater treatment system have remained below the allowable discharge requirements. From initial start-up to December 6, 2004, approximately 177 pounds of TPH-g and 83 pounds of MtBE have been removed during the operation of the treatment system.
- As of October 28, 2004, the SVE system has removed approximately 424.20 pounds of petroleum hydrocarbons from the vadose zone beneath the Site. The operation of the SVE system is based on seasonal

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fluctuations; the system is turned off during wetter periods of the year and operational during drier periods. The system was shutdown on October 28, 2004.

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

- Continual monitoring of the treatment system to maintain the removal of contaminant mass 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 variation in the groundwater quality conditions and rate of contaminant removal.
- Further remedial action, which would include using ozone sparging, especially at wells MW-1, MW-3, and MW-6, which are the more impacted regions.

# 6.0 Report Limitations

This report is the summary of work done by SOMA including observations and descriptions of the Site's conditions. It includes the analytical results produced by Pacific Analytical Laboratory 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

		Top Of Casing	Depth to Groundwater	Groundwater	TPH-g	Benzene	Toluene	Ethyl-Benzene	Total Xylenes	MtBE 1 EPA 8260B
Monitoring Well	Date	Elevation (feet)	(feet)	Elevation (feet)	(μg/L)	(μg/L)	(μg/L)	(μ <b>g/L</b> )	(μg/L)	(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
l i	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
l i	Ja⊓-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	NA
l 1	Apr-97	97.99	11.14	86.85	NA	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
1 1	Sep-98	97.99	13.58	84.41	NA.	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
l t	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
l [	Feb-00	97.99	11.20	86.79	40,000	2,280	1,380	8	6,130	47
1	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
l [	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
l i	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
1	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
1	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

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

Monitoring Well	Date	Top Of Casing Elevation (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-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.
Ī	Jan-96	98.58	9.93	88.65	46,000	160	130	93	240	NA.
ŀ	Apr-96	98.58	8.13	90.45	27,000	0.1	92	44	13	NA
i	Dec-96	98.58	11.67	86.91	6.200	11	7	2	14	ND
Ī	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
F	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
ľ	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	<b>&lt;</b> 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
ľ	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
Г	Jan-03	40.71	8.66	32.05	510	5	30.0	24.0	92	<2.0
l	May-03	40.71	9.17	31.54	1,300	14	88.0	78.0	271	<2.0
l	Jul-03	40.71	12.23	28.48	220	3.9	4.3	7	14.5	<2.0
L	Oct-03	40.71	13.65	27.06	170 H	1.9	<0.5	2.2	2.2	<2.0
Γ	Jan-04	40.71	9.54	31.17	860	7.2	37	50	151	<2.0
l	Арг-04	40.71	10.80	29.91	730	6.6	19	38	87	<2.0
l	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

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

Monitoring Wel		Top Of Casing Elevation (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 <sup>1</sup> EPA 8260B (μg/L)
MW-3	Oct-94 Dec-94	97.78	15.79	81.99	3,000,000	190,000	740,000	310,000	130,000	NA
	Mar-95	97.78 97.78	9.79 8.69	87,99	250,000	19,000	22,000	4,400	28,000	NA NA
	Jun-95	97.78	10.25	89.09 87.53	350,000	20,000	42,000	5,800	36,000	NA
	Oct-95	97.78	12.91	84.87	350,000 150,000	20,000	42,000	5,800	36,000	NA
	Jan-96	97.78	10.55	87.23	150,000	510 510	410 410	210 210	65	NA NA
	Apr-96	97.78	8.76	89.02	NA	NA.	NA	NA NA	650 NA	NA NA
i	Dec-96	97.78	12.02	85.76	NA	NA -	NA.	NA	NA NA	NA NA
	Apr-97	97.78	11.73	86.05	NA	NA	NA	NA	NA	NA NA
	Dec-97 Sep-98	97.78 97.78	NM	NM	NA NA	NA	NA	NA.	NA	NA.
	Dec-98	97.78	14.68 11.55	83.10	NA.	NA	NA	NA	NA.	NA
	Mar-99	97.78	8.44	86.23 89.34	51,000 45,000	5,700	3,900	1,200	6,300	410
	Jun-99	97.78	11.8	85.98	46,000	4,100 8,245	6,400 6,425	1,000 1,015	6,100	470
	Aug-99	97.78	13.85	83.93	64,000	7,484	8,052	1,744	7,173 9,749	274
	Nov-99	97.78	14.7	83.08	26,000	3,218	1,319	- 1,1 <del>- 1</del> - 45	6,697	141 126
	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	<b>2.76</b> <5
j	Aug-00 Nov-00	97.78 07.79	13.73	84.05	76,000	8,900	5,636	883	7,356	176
ł	Mar-01	97.78 97.78	13.4	84.38	48,000	6,789	4,816	676	7,258	83
	May-01	97.78	9.43 11.81	88.35 85.97	14,754	2,250	140	ND	1,284	110
	Aug-01	97.78	14.1	83.68	44,000 41,750	5,400 3,485	3,100	1,400	6,400	200
1	Nov-01	97.78	14.32	83.46	41,750 NA	3,463 NA	2,670 NA	1,255 NA	5,420	52
	Feb-02	97.78	10.01	87.77	62,000	6,000	7,600	1,900	9,200	NA 12,000
	May-02	97,78	11.28	86.50	54,000	6,700	3,200	1,800	7,100	9,100
- 1	Jul-02	40.91	13.25	27.66	45,000	8,900	1,700	1,600	5,600	2,600
ŀ	Oct-02 Jan-03	40.91 40.91	14.98	25.93	70,000	4,900	5,100	2,100	11,900	21,000
1	May-03	40.91 40.91	9.79 10.01	31.12	35,000	2,900	1,300	860	5,200	13,000
!	Jul-03	40,91	12,94	30.90 27.97	48,000 31,000	5,800	1,400	1,600	7,400	5,900
	Oct-03	40,91	14.29	26.62	30,000	4,700 4,400	990 930	1,400	5,200	16,000
	Jan-04	40,91	10.57	30.34	45,000	2,100	850	1,600 1,500	5,400 5,700	7,400
Į.	Apr-04	40.91	11.84	29.07	31,000	4,200	590	1,600	4,370	2,900 900
i	Aug-04 <b>Dec-04</b>	40.91	14.24	26.67	21,000	3,400	370	1,000	2,350	1,100
		40.91	11.32	29.59	6,441	978	109	490	941	201
					6.00.000	and the second	and the second			Address of the second s
MW-4	Jan-96	97.85							and the second second second second	
N2 VY-4	Jan-96 Apr-96	97.85	10.11	87.74	9,300	230	110	10	29	NA
1444-4	Jan-96	97.85 97.85 97.85	10,11 8.35	87.74 89.50	9,300 1, <b>90</b> 0	230 12	110 8	10 5	29 14	NA NA
MW-4	Jan-96 Apr-96	97.85 97.85	10.11	87.74 89.50 86.27	9,300 1,900 4,000	230 12 14	110 8 6	10 5 4	29 14 12	NA NA ND
MW-4	Jan-96 Apr-96 Dec-96 Apr-97 Dec-97	97.85 97.85 97.85	10.11 8.35 11.58	87.74 89.50	9,300 1,900 4,000 ND	230 12 14 ND	110 8 6 ND	10 5 4 ND	29 14 12 ND	NA NA ND ND
MW-4 -	Jan-96 Apr-96 Dec-96 Apr-97 Dec-97 Jun-98	97.85 97.85 97.85 97.85 97.85 97.85	10,11 8.35 11,58 11,23 9.43 NM	87.74 89.50 86.27 86.62	9,300 1,900 4,000	230 12 14	110 8 6 ND 270	10 5 4 ND 100	29 14 12 ND 1,500	NA NA ND ND NA
₩ <b>-</b> 4	Jan-96 Apr-96 Dec-96 Apr-97 Dec-97 Jun-98 Sep-98	97.85 97.85 97.85 97.85 97.85 97.85	10,11 8.35 11,58 11,23 9.43 NM 13,64	87.74 89.50 86.27 86.62 88.42 NM 64.21	9,300 1,900 4,000 ND 2,300	230 12 14 ND 410	110 8 6 ND	10 5 4 ND	29 14 12 ND 1,500	NA NA ND ND NA NA
MY-4	Jan-96 Apr-96 Dec-96 Apr-97 Dec-97 Jun-98 Sep-98 Dec-98	97.85 97.85 97.85 97.85 97.85 97.85 97.85	10,11 8,35 11,58 11,23 9,43 NM 13,64 11,13	67.74 89.50 86.27 86.62 88.42 NM 64.21 66.72	9,300 1,900 4,000 ND 2,300 1,700	230 12 14 ND 410 780	110 8 6 ND 270 160	10 5 4 ND 100 54	29 14 12 ND 1,500	NA NA ND ND NA NA 18
MY-4	Jan-96 Apr-96 Dec-96 Apr-97 Dec-97 Jun-98 Sep-98 Dec-98 Mar-99	97.85 97.85 97.85 97.85 97.85 97.85 97.85	10.11 8.35 11.58 11.23 9.43 NM 13.64 11.13	87.74 89.50 86.27 86.62 88.42 NM 64.21 96.72	9,300 1,900 4,000 ND 2,300 1,700 6,200 1,400 600	230 12 14 ND 410 780 910 590	110 8 6 ND 270 160 77	10 5 4 ND 100 54 68	29 14 12 ND 1,500 200 200	NA NA ND ND NA NA
M/47-4	Jan-96 Apr-96 Dec-96 Apr-97 Dec-97 Jun-98 Sep-98 Dec-98 Mar-99 Jun-99	97.85 97.85 97.85 97.85 97.85 97.85 97.85 97.85 97.85	10.11 8.35 11.58 11.23 9.43 NM 13.64 11.13 8.46 11.30	67.74 89.50 86.27 86.62 88.42 NM 64.21 66.72 89.39 86.55	9,300 1,900 4,000 ND 2,300 1,700 6,200 1,400 600 1,000	230 12 14 ND 410 780 910 590 200 298	110 8 6 ND 270 160 77 33 35 44	10 5 4 ND 100 64 68 28 19	28 14 12 ND 1,500 200 200 94	NA NA ND ND NA NA 18 24
M/47-4	Jan-96 Apr-96 Dec-96 Apr-97 Dec-97 Jun-98 Sep-98 Dec-98 Mar-99 Jun-99 Aug-99	97.85 97.85 97.85 97.85 97.85 97.85 97.85 97.85 97.85 97.85	10.11 8.35 11.58 11.23 9.43 NM 13.64 11.13 8.46 11.30	87.74 89.50 86.27 86.62 88.42 NM 64.21 66.72 89.39 86.55 84.85	9,300 1,900 4,000 ND 2,300 1,700 6,200 1,400 600 1,000 660	230 12 14 ND 410 780 910 590 200 298 497	110 8 6 ND 270 160 77 33 35 44 41	10 5 4 ND 100 64 68 28 19 19	28 14 12 ND 1,500 200 200 94 56 64 145	NA NA ND ND NA NA 18 24 11 13 6
M/47-4	Jan-96 Apr-96 Dec-96 Apr-97 Dec-97 Jun-98 Sep-98 Dec-98 Mar-99 Jun-99 Aug-99 Nov-99	97.85 97.85 97.85 97.85 97.85 97.85 97.85 97.85 97.85	10.11 8.35 11.58 11.23 9.43 NM 13.64 11.13 8.46 11.30 13.20 14.10	87.74 89.50 86.27 86.62 88.42 NM 64.21 96.72 89.39 86.55 84.85 83.75	9,300 1,800 4,000 ND 2,300 1,700 6,200 1,400 600 1,000 660 <50	230 12 14 ND 410 780 910 590 200 298 497 <5	110 8 6 ND 270 160 77 33 35 44 41 <5	10 5 4 ND 100 64 68 28 19 19 54 <5	29 14 12 ND 1,500 200 200 94 56 64 145 <5	NA NA NA ND NA NA 18 24 11 13 6
M W - 4	Jan-96 Apr-96 Dec-96 Apr-97 Dec-97 Jun-98 Sep-98 Dec-98 Mar-99 Jun-99 Aug-99	97.85 97.85 97.85 97.85 97.85 97.85 97.85 97.85 97.85 97.85 97.85 97.85	10.11 8.35 11.58 11.23 9.43 NM 13.64 11.13 8.46 11.30 13.20 14.10	87.74 89.50 86.27 86.62 88.42 NM 64.21 86.72 89.39 86.55 84.85 83.75 86.60	9,300 1,800 4,000 ND 2,300 1,700 6,200 1,400 600 1,000 660 <50 7,800	230 12 14 ND 410 780 910 590 200 298 497 <5	110 8 6 ND 270 160 77 33 35 44 41 <5 61	10 5 4 ND 100 54 68 28 19 19 19 54 <5	29 14 12 ND 1,500 200 200 94 56 64 145 <5	NA NA NA ND ND NA NA 18 24 11 13 6 45
M W - 4	Jan-96 Apr-96 Dec-96 Apr-97 Dec-97 Jun-98 Sep-98 Dec-98 Mar-99 Jun-99 Aug-99 Nov-99 Feb-00 May-00 Aug-00	97.85 97.85 97.85 97.85 97.85 97.85 97.85 97.85 97.85 97.85	10.11 8.35 11.58 11.23 9.43 NM 13.64 11.13 8.46 11.30 13.20 14.10	87.74 89.50 86.27 86.62 88.42 NM 64.21 86.72 89.39 86.55 84.85 83.75 86.60 86.39	9,300 1,800 4,000 ND 2,300 1,700 6,200 1,400 600 1,000 660 <50 7,800 552	230 12 14 ND 410 780 910 590 200 298 497 <5 1,200 42	110 8 6 ND 270 160 77 33 35 44 41 <5 61	10 5 4 ND 100 54 68 28 19 19 54 <5	29 14 12 ND 1,500 200 200 94 56 64 145 <5 781 67	NA NA NA ND ND NA NA 18 24 11 13 6 5 45
M W - 4	Jan-96 Apr-96 Dec-96 Apr-97 Dec-97 Jun-98 Sep-98 Dec-98 Mar-99 Jun-99 Aug-99 Nov-99 Feb-00 May-00 Aug-00 Nov-00	97.85 97.85 97.85 97.85 97.85 97.85 97.85 97.85 97.85 97.85 97.85 97.85 97.85 97.85	10.11 8.35 11.58 11.58 11.23 9.43 NM 13.64 11.13 8.46 11.30 13.20 14.10 11.25 11.46	87.74 89.50 86.27 86.62 88.42 NM 64.21 86.72 89.39 86.55 84.85 83.75 86.60	9,300 1,900 4,000 ND 2,300 1,700 6,200 1,400 600 1,000 660 <50 7,800 552 370	230 12 14 ND 410 780 910 590 200 298 497 <5 1,200 42 5.08	110 8 6 ND 270 160 77 33 35 44 41 <5 61 19 <5	10 5 4 ND 100 54 68 28 19 19 54 <5 16 <5	28 14 12 ND 1,500 200 200 94 56 64 145 <5 781 67 <5	NA NA NA ND ND NA NA 18 24 11 13 6  \$5 \$5 \$5 \$6
M/4/-4	Jan-96 Apr-96 Dec-96 Apr-97 Dec-97 Jun-98 Sep-98 Dec-98 Mar-99 Jun-99 Aug-99 Nov-99 Feb-00 May-00 Aug-00 Nov-00 Mar-01	97.85 97.85 97.85 97.85 97.85 97.85 97.85 97.85 97.85 97.85 97.85 97.85 97.85 97.85 97.85	10.11 8.35 11.58 11.58 11.23 9.43 NM 13.64 11.13 8.46 11.30 13.20 14.10 11.25 11.46 13.35 13.05 9.24	87.74 89.50 86.27 86.62 88.42 NM 64.21 66.72 89.39 86.55 84.85 83.75 86.60 86.39 84.50	9,300 1,800 4,000 ND 2,300 1,700 6,200 1,400 600 1,000 660 <50 7,800 552	230 12 14 ND 410 780 910 590 200 298 497 <5 1,200 42 5.08 5.30	110 8 6 ND 270 160 77 33 35 44 41 <5 61 19 <5 ND	10 5 4 ND 100 64 68 28 19 19 54 <5 <6 16 <5 ND	29 14 12 ND 1,500 200 200 94 56 64 145 <5 781 67 <5 8	NA NA NA ND ND NA NA 18 24 11 13 6 \$5 \$5 ND
M/4/-4	Jan-96 Apr-96 Dec-96 Apr-97 Dec-97 Jun-98 Sep-98 Dec-98 Mar-99 Jun-99 Aug-99 Nov-99 Feb-00 May-00 Aug-00 Nov-00 Mar-01 May-01	97.85 97.85 97.85 97.85 97.85 97.85 97.85 97.85 97.85 97.85 97.85 97.85 97.85 97.85 97.85 97.85 97.85 97.85	10.11 8.35 11.58 11.23 9.43 NM 13.64 11.13 8.46 11.30 13.20 14.10 11.25 11.46 13.35 13.05 9.24 11.50	87.74 89.50 86.27 86.62 88.42 NM 64.21 86.72 89.39 86.55 84.85 83.75 86.60 86.39 84.50 84.80 88.61 86.35	9,300 1,800 4,000 ND 2,300 1,700 6,200 1,400 600 1,000 660 e50 7,800 552 370 ND	230 12 14 ND 410 780 910 590 200 298 497 <5 1,200 42 5.08	110 8 6 ND 270 160 77 33 35 44 41 <5 61 19 <5	10 5 4 ND 100 54 68 28 19 19 54 <5 16 <5 ND	29 14 12 ND 1,500 200 200 94 56 64 145 <5 781 67 -65 8 8.7	NA NA NA ND ND NA NA 18 24 11 13 6 55 5 50 ND ND
M/4/-4	Jan-96 Apr-96 Dec-96 Apr-97 Dec-97 Jun-98 Sep-98 Dec-98 Mar-99 Jun-99 Aug-99 Nov-99 Feb-00 May-00 Aug-00 Nov-00 Mar-01 Aug-01 Aug-01	97.85 97.85 97.85 97.85 97.85 97.85 97.85 97.85 97.85 97.85 97.85 97.85 97.85 97.85 97.85 97.85 97.85 97.85 97.85 97.85	10.11 8.35 11.58 11.23 9.43 NM 13.64 11.13 8.46 11.30 13.20 14.10 11.25 11.46 13.35 13.05 9.24 11.50 13.80	87.74 89.50 86.27 86.62 88.42 NM 64.21 86.72 89.39 86.55 84.85 83.75 86.60 86.39 84.50 84.80 88.61 86.35 84.05	9,300 1,800 4,000 ND 2,300 1,700 6,200 1,400 600 1,000 660 <50 7,800 552 370 ND 62 80 133	230 12 14 ND 410 780 910 590 200 298 497 <5 1,200 42 5.08 5.30 ND 12 12	110 8 6 ND 270 160 77 33 35 44 41 <5 61 19 <5 ND ND ND 1.9 2.2	10 5 4 ND 100 54 68 28 19 19 54 <5 <5 16 <5 ND 3.2 4.1 3.9	29 14 12 ND 1,500 200 200 94 56 64 145 <5 781 67 <5 8	NA NA NA ND ND NA NA 18 24 11 13 6 \$5 \$5 \$0
M/4/-4	Jan-96 Apr-96 Dec-96 Apr-97 Dec-97 Jun-98 Sep-98 Dec-99 Mar-99 Jun-99 Aug-99 Nov-99 Feb-00 May-00 Aug-00 Nov-00 Mar-01 May-01 Nov-01	97.85 97.85	10.11 8.35 11.58 11.23 9.43 NM 13.64 11.13 8.46 11.30 13.20 14.10 11.25 11.46 13.35 13.05 9.24 11.50 13.80 13.60	87.74 89.50 86.27 86.62 88.42 NM 64.21 86.72 89.39 86.55 84.85 83.75 86.60 86.39 84.50 84.80 88.61 86.35 84.05 84.17	9,300 1,800 4,000 ND 2,300 1,700 6,200 1,400 600 -50 7,800 552 370 ND 62 80 133 670	230 12 14 ND 410 780 910 590 200 298 497 <5 1,200 42 5.08 5.30 ND 12 180	110 8 6 ND 270 160 77 33 35 44 41 <5 61 19 <5 ND ND ND 1.9 2.2 5	10 5 4 ND 100 64 68 28 19 19 54 <5 <6 16 <5 ND 3.2 4.1 3.9 17	29 14 12 ND 1,500 200 200 94 56 64 145 <5 781 67 <5 8 8.7 9.8	NA NA NA ND ND NA 18 24 11 13 6 \$5 \$5 ND ND ND ND ND ND ND
M W - 4	Jan-96 Apr-96 Dec-96 Apr-97 Dec-97 Jum-98 Sep-98 Mar-99 Jun-99 Aug-99 Nov-99 Feb-00 May-00 Aug-00 Nov-00 Mar-01 May-01 Nov-01 Feb-02	97.85 97.85	10.11 8.35 11.58 11.23 9.43 NM 13.64 11.13 8.46 11.30 13.20 14.10 11.25 11.46 13.35 13.05 9.24 11.50 13.60 13.60	87.74 89.50 86.27 86.62 88.42 NM 64.21 66.72 89.39 86.55 84.85 83.75 86.60 86.39 84.50 84.80 88.61 86.35 84.05 84.17	9,300 1,800 4,000 ND 2,300 1,700 6,200 1,400 600 1,000 660 <50 7,800 552 370 ND 62 80 133 670 450	230 12 14 ND 410 780 910 590 200 298 497 <5 1,200 42 5.08 5.30 ND 12 12 180 63	110 8 6 ND 270 160 77 33 35 44 41 <5 61 19 <5 ND ND 1.9 2.2 5 4.1	10 5 4 ND 100 54 68 28 19 19 54 <5 <6 16 <5 ND 3.2 4.1 3.9 17 22	29 14 12 ND 1,500 200 200 94 56 64 145 <5 781 67 -45 8 8.7 9.8 9 53 28.7	NA NA NA ND NA 18 24 11 13 6 5 5 5 6 D ND N
M W - 4	Jan-96 Apr-96 Dec-96 Apr-97 Dec-97 Jun-98 Sep-98 Dec-98 Mar-99 Jun-99 Aug-99 Nov-99 Feb-00 May-00 Aug-00 Nov-00 Mar-01 Aug-01 Aug-01 Nov-01 Feb-02 May-02 Jul-02	97.85 97.85	10.11 8.35 11.58 11.58 11.23 9.43 NM 13.64 11.13 8.46 11.30 13.20 14.10 11.25 11.46 13.35 13.05 9.24 11.50 13.80 13.80 13.80	87.74 89.50 86.27 86.62 88.42 NM 64.21 96.72 89.39 86.55 84.85 83.75 86.60 86.39 84.50 84.80 88.61 86.35 84.05 84.05 84.17 87.88 87.04	9,300 1,800 4,000 ND 2,300 1,700 6,200 1,400 600 1,000 660 450 7,800 552 370 ND 62 80 133 670 450 570	230 12 14 ND 410 780 910 590 200 298 497 <5 1,200 42 5.08 5.30 ND 12 12 18 180 63 72	110 8 6 ND 270 160 77 33 35 44 41 <5 61 19 <5 ND ND 1.9 2.2 5 4.1 29	10 5 4 ND 100 54 68 28 19 19 54 <5 16 <5 ND 3.2 4.1 3.9 17 22 27	29 14 12 ND 1,500 200 200 94 56 64 145 <5 781 67 -5 8 8.7 9.8 9 53 28.7 74	NA NA NA ND NA 18 24 11 13 6 5 5 5 5 5 0 0 0 0 0 0 0 0 0 0 0 0 0 0
M W - 4	Jan-96 Apr-96 Dec-96 Apr-97 Dec-97 Jun-98 Sep-98 Dec-98 Mar-99 Jun-99 Aug-99 Nov-99 Feb-00 May-00 Aug-00 Nov-00 Mar-01 May-01 Nov-01 Feb-02 May-02 Jul-02 Oct-02	97.85 97.85	10.11 8.35 11.58 11.23 9.43 NM 13.64 11.13 8.46 11.30 13.20 14.10 11.25 11.46 13.35 13.05 9.24 11.50 13.60 13.60	87.74 89.50 86.27 86.62 88.42 NM 64.21 86.72 89.39 86.55 84.85 83.75 86.60 86.39 84.50 84.90 88.61 86.95 84.95 84.05 84.17 87.88 87.04 27.39	9,300 1,800 4,000 ND 2,300 1,700 6,200 1,400 600 1,000 660 <50 7,800 552 370 ND 62 80 133 670 450 570 450	230 12 14 ND 410 780 910 590 200 298 497 <5 1,200 42 5.08 5.30 ND 12 12 180 63 72 20	110 8 6 ND 270 160 77 33 35 44 41 <5 61 19 <5 ND ND ND 1.9 2.2 5 4.1 29 24	10 5 4 ND 100 54 68 28 19 19 54 <5 <6 16 <5 ND 3.9 17 22 27 19	29 14 12 ND 1,500 200 200 94 56 64 145 <5 781 67 <5 8 8.7 9.8 9 53 28.7 74 74	NA N
M/4/-4	Jan-96 Apr-96 Dec-96 Apr-97 Dec-97 Jun-98 Sep-98 Dec-99 Mar-99 Jun-99 Aug-99 Nov-99 Feb-00 May-00 Aug-00 Nov-00 Mar-01 May-01 Nov-01 Feb-02 May-02 Jun-03	97.85 97.85	10.11 8.35 11.58 11.23 9.43 NM 13.64 11.13 8.46 11.30 13.20 14.10 11.25 11.46 13.35 13.05 9.24 11.50 13.80 13.80 13.68 9.97 10.81 12.62 14.34 9.79	87.74 89.50 86.27 86.62 88.42 NM 64.21 96.72 89.39 86.55 84.85 83.75 86.60 86.39 84.50 84.80 88.61 86.35 84.05 84.05 84.17 87.88 87.04	9,300 1,800 4,000 ND 2,300 1,700 6,200 1,400 600 4,000 1,000 660 450 7,800 552 370 ND 62 80 133 670 450 570 450 320	230 12 14 ND 410 780 910 590 200 298 497 <5 1,200 42 5,08 5,30 ND 12 180 63 72 20 69	110 8 6 ND 270 160 77 33 35 44 41 <5 61 19 <5 ND ND ND 1,9 2,2 5 4.1 29 24 0,99	10 5 4 ND 100 64 68 28 19 19 54 <5 ND 3.2 4.1 3.9 17 22 27 19 9	29 14 12 ND 1,500 200 200 94 56 64 145 <5 781 67 <5 8 8.7 9.8 9 53 28.7 74 74 5.49	NA NA NA ND ND NA NA NA 18 24 11 13 6 5 5 5 5 D D D D D D D D D D D D D D D
M/4/-4	Jan-96 Apr-96 Dec-96 Apr-97 Dec-97 Jun-98 Sep-98 Mar-99 Jun-99 Aug-99 Nov-99 Feb-00 May-00 May-01 May-01 Aug-01 Nov-01 Feb-02 May-02 Jul-02 Oct-02 Jan-03 May-03	97.85 97.85	10.11 8.35 11.58 11.58 11.23 9.43 NM 13.64 11.13 8.46 11.30 13.20 14.10 11.25 11.46 13.35 13.05 9.24 11.50 13.80 1	87.74 89.50 86.27 86.62 88.42 NM 84.21 96.72 99.39 86.55 84.85 83.75 86.60 86.39 84.50 84.80 88.61 98.35 84.05 84.17 87.38 87.04 27.39 25.67 30.22 30.23	9,300 1,800 4,000 ND 2,300 1,700 6,200 1,400 600 1,000 660 <50 7,800 552 370 ND 62 80 133 670 450 570 450	230 12 14 ND 410 780 910 590 200 298 497 <5 1,200 42 5.08 5.30 ND 12 12 180 63 72 20	110 8 6 ND 270 160 77 33 35 44 41 <5 61 19 <5 ND ND ND 1.9 2.2 5 4.1 29 24	10 5 4 ND 100 54 68 28 19 19 54 <5 <6 16 <5 ND 3.9 17 22 27 19	29 14 12 ND 1,500 200 200 94 56 64 145 <5 781 67 45 8 8.7 9.8 9 53 28.7 74 74 74 5.49	NA N
M W - 4	Jan-96 Apr-97 Dec-96 Apr-97 Dec-97 Jun-98 Sep-98 Dec-98 Mar-99 Jun-99 Aug-99 Nov-99 Feb-00 May-00 Aug-00 Nov-00 Mar-01 Aug-01 Nov-01 Feb-02 May-02 Jul-02 Oct-02 Jan-03 May-03 Jul-03	97.85 97.85	10.11 8.35 11.58 11.23 9.43 NM 13.64 11.13 8.46 11.30 13.20 14.10 11.25 11.46 13.35 13.05 9.24 11.50 13.80 13.68 9.97 10.81 12.62 14.34 9.79 9.78 12.44	87.74 89.50 86.27 86.62 88.42 NM 64.21 96.72 89.39 86.55 84.85 83.75 86.60 86.39 84.50 84.80 84.80 88.61 86.35 84.05 84.17 87.88 87.04 27.39 25.67 30.22 30.23 27.57	9,300 1,800 4,000 ND 2,300 1,700 6,200 1,400 600 1,000 660 <50 7,800 552 370 ND 62 80 133 670 450 570 450 320 310 120 <50	230 12 14 ND 410 780 910 590 200 298 497 <5 1,200 42 5.08 5.30 ND 12 12 180 63 72 20 69 49 27 1	110 8 6 ND 270 160 77 33 35 44 41 <5 61 19 <5 ND ND ND 1.9 2.2 5 4.1 29 24 0.99 2.5	10 5 4 ND 100 64 68 28 19 19 54 <5 <6 16 <5 ND 3.2 4.1 3.9 17 22 27 19 9	29 14 12 ND 1,500 200 200 94 56 64 145 <5 781 67 <5 8 8.7 9.8 9 53 28.7 74 74 5.49	NA NA NA ND ND NA NA 18 24 11 13 6 5 5 5 5 ND
M-4	Jan-96 Apr-96 Dec-96 Apr-97 Dec-97 Jun-98 Sep-98 Dec-98 Mar-99 Jun-99 Aug-99 Nov-99 Feb-00 May-00 Aug-00 Nov-00 Mar-01 May-01 Nov-01 Feb-02 May-02 Jul-02 Oct-02 Jan-03 May-03 Jul-03 Oct-03	97.85 97.85	10.11 8.35 11.23 9.43 NM 13.64 11.13 8.46 11.30 13.20 14.10 11.25 11.46 13.35 13.05 9.24 11.50 13.80 13.80 13.88 9.97 10.81 12.62 14.34 9.79 9.78 9.78 12.44 13.72	87.74 89.50 86.27 86.62 88.42 NM 64.21 66.72 89.39 86.55 84.85 83.75 86.60 86.39 84.50 84.80 88.61 86.35 84.05 84.17 87.88 87.04 27.39 25.67 30.22 30.23 27.57 26.29	9,300 1,800 4,000 ND 2,300 1,700 6,200 1,400 600 4,000 1,000 660 450 7,800 552 370 ND 62 80 133 670 450 570 450 570 450 570 450 570 450 570 70	230 12 14 ND 410 780 910 590 200 298 497 <5 1,200 42 5,08 5,30 ND 12 180 63 72 20 69 49 27 1 12	110 8 6 ND 270 160 77 33 35 44 41 <5 61 19 <5 ND ND 1.9 2.2 5 4.1 29 24 0.99 2.5 1.8 <0.5 <0.5 <0.5 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05	10 5 4 ND 100 64 68 28 19 19 54 <5 <6 16 <5 ND 3.2 4.1 3.9 17 22 27 19 9 13 9 0,5 4,7	29 14 12 ND 1,500 200 200 94 56 64 145 <5 781 67 <5 8 8.7 9.8 9 53 28.7 74 5.49 26.7 14.6 <0.5 3.0	NA N
M-4	Jan-96 Apr-96 Dec-96 Apr-97 Dec-97 Jun-98 Sep-98 Dec-99 Mar-99 Jun-99 Aug-99 Nov-99 Feb-00 May-00 Aug-00 Nov-00 Mar-01 May-01 Nov-01 Feb-02 May-02 Jul-02 Jul-02 Jul-03 Jul-03 Jul-03 Jul-03 Jul-03 Jul-04	97.85 97	10.11 8.35 11.58 11.23 9.43 NM 13.64 11.13 8.46 11.30 13.20 14.10 11.25 11.46 13.35 13.05 9.24 11.50 13.80 13.68 9.97 10.81 12.62 14.34 9.79 9.78 12.44 13.72	87.74 89.50 86.27 86.62 88.42 NM 84.21 86.72 89.39 86.55 84.65 83.75 86.60 86.39 84.50 84.80 88.61 86.35 84.17 87.88 87.04 27.39 25.67 30.22 30.23 27.57 26.29 29.46	9,300 1,800 4,000 ND 2,300 1,700 6,200 1,400 600 -50 7,800 552 370 ND 62 80 133 670 450 570 450 570 450 320 310 120 <50 70 290	230 12 14 ND 410 780 910 590 208 497 <55 1,200 42 5,08 5,30 ND 12 180 63 72 20 69 49 27 1 12 18	110 8 6 ND 270 160 77 33 35 44 41 <5 61 19 <5 ND ND 1.9 2.2 5 4.1 29 24 0.99 2.5 1.8 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.	10 5 4 ND 100 64 68 28 19 19 54 <5 <6 ND 3.2 4.1 3.9 17 22 27 19 9 13 9 <0.5 4.7 8.1	29 14 12 ND 1,500 200 200 94 56 64 145 <5 781 67 <5 8 8.7 9.8 9 53 28.7 74 74 74 5.49 26.7 14.6 <0.5 3.0 17.1	NA NA NA ND ND NA NA 18 24 11 13 6 5 5 5 5 ND
M W-4	Jan-96 Apr-96 Dec-96 Apr-97 Dec-97 Jun-98 Sep-98 Dec-98 Mar-99 Jun-99 Aug-99 Nov-99 Feb-00 May-00 Aug-00 Nov-00 Mar-01 May-01 Nov-01 Feb-02 May-02 Jul-02 Oct-02 Jan-03 May-03 Jul-03 Oct-03	97.85 97.85	10.11 8.35 11.23 9.43 NM 13.64 11.13 8.46 11.30 13.20 14.10 11.25 11.46 13.35 13.05 9.24 11.50 13.80 13.80 13.88 9.97 10.81 12.62 14.34 9.79 9.78 9.78 12.44 13.72	87.74 89.50 86.27 86.62 88.42 NM 64.21 66.72 89.39 86.55 84.85 83.75 86.60 86.39 84.50 84.80 88.61 86.35 84.05 84.17 87.88 87.04 27.39 25.67 30.22 30.23 27.57 26.29	9,300 1,800 4,000 ND 2,300 1,700 6,200 1,400 600 4,000 1,000 660 450 7,800 552 370 ND 62 80 133 670 450 570 450 570 450 570 450 570 450 570 70	230 12 14 ND 410 780 910 590 200 298 497 <5 1,200 42 5,08 5,30 ND 12 180 63 72 20 69 49 27 1 12	110 8 6 ND 270 160 77 33 35 44 41 <5 61 19 <5 ND ND 1.9 2.2 5 4.1 29 24 0.99 2.5 1.8 <0.5 <0.5 <0.5 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05 <0.05	10 5 4 ND 100 64 68 28 19 19 54 <5 <6 16 <5 ND 3.2 4.1 3.9 17 22 27 19 9 13 9 0,5 4,7	29 14 12 ND 1,500 200 200 94 56 64 145 <5 781 67 <5 8 8.7 9.8 9 53 28.7 74 5.49 26.7 14.6 <0.5 3.0	NA N

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

Monitoring Well	Date	Top Of Casing Elevation (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 ¹ EPA 8260B (μg/L)
kana a									-	
MW-5	Oct-95	99.04	13.57	85.47	1,500	1		4	5	NA NA
	Jan-96	99.04	10.03	89.01	1,500	1	1 1	4	5	NA
	Apr-96	99.04	8.24	90.80	780	1	1	5	4	NA
ļ.	Dec-96	99.04	11.48	87.56	NA	NA	NA	NA	NA	NA NA
	Apr-97	99.04	11.35	87.69	NA	NA	NA	NA	NA	NA
1	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
ĺ	Sep-98	99.04	13.82	85.22	270	2	1	3	3	<.5
L.	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
L	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	<b>&lt;</b> 5
	Aug-00	99.04	13.22	85.82	<50	<5	<5	<5	<5	<5
l	Nov-00	99.04	13.55	85.49	ND	ND	ND	ND	ND	ND
Г	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
The state of the s	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
L	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
ŀ	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
L	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
i	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
<u>l</u>	Dec-04	41.16	10.73	30.43	150	<0.5	<0.5	<0.5	<1.0	2.6

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Monitoring Well	Date	Top Of Casing Elevation (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 <sup>1</sup> EPA 8260B (μg/L)
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 NA
	Apr-96	98.77	8.76	90.01	NA I	NA	NA	NA	NA	NA
l	Dec-96	98.77	12.04	86.73	NA	NA	NA	NA	NA	NA
l [	Apr-97	98.77	11.76	87.01	NA	NA	NA	NA	NA	NA
1	Dec-97	98.77	9.30	89.47	NA	NA	NA	NA .	NA	NA
l 1	Sep-98	98.77	14.10	84.67	NA.	NA	NA	NA	NA	NA
i .	Dec-98	98.77	11.60	87.17	NA	NA	NA	NA	NA	NA
	Маг-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
l .	Nov-99	98.77	14.75	84.02	40,000	1,084	130	<5	10,940	<5
	Feb-00 May-00	98.77 98.77	10.95	87.82	17,000	1,360	521	<5 17	4,150 3,600	6 <5
	Aug-00	98.77	11.70 13.78	87.07 84.99	21,700 24,000	1,700 1,306	1,200 870	17 <5	5,162	<5 <5
	Nov-00	98.77	13.40	85.37	19,000	1,387	618	ND	5,152	ND
	Mar-01	98.77	9,49	89.28	15,637	713	459	238	2,363	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
] [	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
		40.05	14.35	26.57	36,000	1,300	430	1,600	4,570	<40
, l	Oct-03	40.92								
	Jan-04	40.92	10.60	30.32	30,000	1,300	320	1,500	3,040	<50
	Jan-04 Apr-04	40.92 40.92	10.60 11.80	30.32 29.12	99,000	1,700	580 C	2,200	5,200	<50
	Jan-04 Apr-04 Aug-04	40.92 40.92 40.92	10.60 11.80 14.36	30,32 29.12 26.56	99,000 12,000	1,700 580	580 C 130	2,200 520	5,200 1,020	<50 <10
	Jan-04 Apr-04 Aug-04 Dec- <b>04</b>	40.92 40.92 40.92 <b>40.92</b>	10.60 11.80 14.36 11.22	30,32 29.12 26.56 <b>29.70</b>	99,000	1,700 580 <b>649</b>	580 C 130 1 <b>34</b>	2,200 520 <b>1,009</b>	5,200	<50 <10 <b>&lt;2.15</b>
MW-7	Jan-04 Apr-04 Aug-04 Dec- <b>04</b>	40.92 40.92 40.92 <b>40.92</b>	10.60 11.80 14.36 11.22	30,32 29,12 26,56 <b>29,70</b>	99,000 12,000	1,700 580 <b>649</b>	580 C 130 134	2,200 520	5,200 1,020 <b>2,037</b>	<50 <10 <b>&lt;2.15</b>
SECURE IN ISSUED FOR THE PROPERTY OF THE PROPE	Jan-04 Apr-04 Aug-04 Dec-04	40.92 40.92 40.92 <b>40.92</b>	10.60 11.80 14.36 11.22	30.32 29.12 26.56 <b>29.70</b> 84.88	99,000 12,000 <b>12,631</b> NA	1,700 580 <b>649</b> 10	580 C 130 <b>134</b> 12	2,200 520 <b>1,009</b> 17	5,200 1,020 <b>2,037</b> NA	<50 <10 <b>&lt;2.15</b> 3,300
SECURE IN ISSUED FOR THE PROPERTY OF THE PROPE	Jan-04 Apr-04 Aug-04 Dec-04 Oct-95	40.92 40.92 40.92 <b>40.92</b> 97.83	10.60 11.80 14.36 11.22	30,32 29,12 26,56 <b>29,70</b>	99,000 12,000 <b>12,631</b>	1,700 580 <b>649</b>	580 C 130 <b>134</b>	2,200 520 <b>1,009</b>	5,200 1,020 <b>2,037</b>	<50 <10 <b>&lt;2.15</b>
SECURE IN ISSUED FOR THE PROPERTY OF THE PROPE	Jan-04 Apr-04 Aug-04 Dec-04 Oct-95 Jan-96	40.92 40.92 40.92 <b>40.92</b> 97.83 97.83	10.60 11.80 14.36 11.22 12.95 9.57	30.32 29.12 26.56 29.70 84.88 88.26	99,000 12,000 <b>12,631</b> NA 3,300	1,700 580 <b>649</b> 10	580 C 130 <b>134</b> 12 12	2,200 520 <b>1,009</b> 17 17	5,200 1,020 <b>2,037</b> NA 45	<50 <10 <2.15 3,300 NA
SECURE IN ISSUED FOR THE PROPERTY OF THE PROPE	Jan-04 Apr-04 Aug-04 Dec-04 Oct-95 Jan-96 Apr-96	40.92 40.92 40.92 <b>40.92</b> 97.83 97.83 97.83	10.60 11.80 14.36 11.22 12.95 9.57 7.75	30.32 29.12 26.56 29.70 84.88 88.26 90.08	99,000 12,000 <b>12,631</b> NA 3,300 1,900	1,700 580 <b>649</b> 10 9	580 C 130 134 12 12 3	2,200 520 <b>1,009</b> 17 17 5	5,200 1,020 <b>2,037</b> NA 45 7	<50 <10 < <b>2.15</b> 3,300 NA NA
SECURE IN ISSUED FOR THE PROPERTY OF THE PROPE	Jan-04 Apr-04 Aug-04 Dec-04 Oct-95 Jan-96 Apr-96 Dec-96	40.92 40.92 40.92 40.92 97.83 97.83 97.83 97.83	10.60 11.80 14.36 11.22 12.95 9.57 7.75 10.97	30.32 29.12 26.56 29.70 84.88 88.26 90.08 86.86	99,000 12,000 <b>12,631</b> NA 3,300 1,900 NA	1,700 580 <b>649</b> 10 9 2 NA	580 C 130 134 12 12 3 NA	2,200 520 <b>1,009</b> 17 17 5 NA	5,200 1,020 <b>2,037</b> NA 45 7 NA	<50 <10 <b>&lt;2.15</b> 3,300 NA NA NA
SECURE IN ISSUED FOR THE PROPERTY OF THE PROPE	Jan-04 Apr-04 Aug-04 Dec-04 Oct-95 Jan-96 Apr-96 Dec-96 Apr-97	40.92 40.92 40.92 40.92 97.83 97.83 97.83 97.83 97.83	10.60 11.80 14.36 11.22 12.95 9.57 7.75 10.97 12.95	30.32 29.12 26.56 29.70 84.88 86.26 90.08 86.86 84.88	99,000 12,000 12,631 NA 3,300 1,900 NA NA	1,700 580 <b>649</b> 10 9 2 NA	12 12 12 3 NA NA	2,200 520 1,009 17 17 17 5 NA	5,200 1,020 <b>2,037</b> NA 45 7 NA	<50 <10 <2.15 3,300 NA NA NA
SECURE IN ISSUED FOR THE PROPERTY OF THE PROPE	Jan-04 Apr-04 Aug-04 Dec-04 Oct-95 Jan-96 Apr-96 Dec-96 Apr-97 Dec-97 Jun-98 Sep-98	40.92 40.92 40.92 40.92 97.83 97.83 97.83 97.83 97.83 97.83 97.83 97.83	10.60 11.80 14.36 11.22 12.95 9.57 7.75 10.97 12.95 8.65 NM 13.09	30.32 29.12 26.56 29.70 84.88 88.26 90.08 86.86 34.88 89.18 NM 84.74	99,000 12,000 12,631 NA 3,300 1,900 NA NA 1,400 620 1,800	1,700 580 <b>649</b> 10 9 2 NA NA 130 4	580 C 130 134 12 12 12 3 NA NA 98 <5	2,200 520 1,009 17 17 5 NA NA 75 9	5,200 1,020 <b>2,037</b> NA 45 7 NA NA 200 <10	<50 <10 <2.15 3,300 NA NA NA NA NA NA
SECURE IN ISSUED FOR THE PROPERTY OF THE PROPE	Jan-04 Apr-04 Aug-04 Dec-04 Oct-95 Jan-96 Apr-96 Dec-96 Apr-97 Dec-97 Jun-98 Sep-98 Dec-98	40.92 40.92 40.92 40.92 97.83 97.83 97.83 97.83 97.83 97.83 97.83 97.83 97.83	10.60 11.80 14.36 11.22 12.95 9.57 7.75 10.97 12.95 8.65 NM 13.09 10.52	30.32 29.12 26.56 29.70 84.88 88.26 90.08 86.86 84.88 89.18 NM 84.74 87.31	99,000 12,000 12,631 NA 3,300 1,900 NA NA 1,400 620 1,800 990	1,700 580 <b>649</b> 10 9 2 NA NA 130 4 1 5	580 C 130 134 12 12 3 NA NA 98 <5 1	2,200 520 1,009 17 17 5 NA NA 75 9 1 5	5,200 1,020 <b>2,037</b> NA 45 7 NA NA 200 <10 2	<50 <10 <2.15 3,300 NA NA NA NA NA NA
SECURE IN ISSUED FOR THE PROPERTY OF THE PROPE	Jan-04 Apr-04 Aug-04 Dec-04 Oct-95 Jan-96 Apr-96 Dec-96 Apr-97 Dec-97 Jun-98 Sep-98 Dec-98 Mar-99	40.92 40.92 40.92 40.92 97.83 97.83 97.83 97.83 97.83 97.83 97.83 97.83 97.83 97.83	10.60 11.80 14.36 11.22 12.95 9.57 7.75 10.97 12.95 8.65 NM 13.09 10.52 7.00	30.32 29.12 26.56 29.70 84.88 88.26 90.08 86.86 84.88 89.18 NM 84.74 87.31	99,000 12,000 12,631 NA 3,300 1,900 NA NA 1,400 620 1,800 990 300	1,700 580 <b>649</b> 10 9 2 NA NA 130 4 1 5	580 C 130 134 12 12 3 NA NA 98 <5 1 10	2,200 520 1,009 17 17 5 NA NA 75 9 1 5	5,200 1,020 <b>2,037</b> NA 45 7 NA NA 200 <10 2	<50 <10 <2.15 3,300 NA NA NA NA NA NA NA 68 160 62
SECURE IN ISSUED FOR THE PROPERTY OF THE PROPE	Jan-04 Apr-04 Aug-04 Dec-04 Cct-95 Jan-96 Apr-96 Dec-96 Apr-97 Dec-97 Jun-98 Sep-98 Dec-98 Mar-99 Jun-99	40.92 40.92 40.92 40.92 97.83 97.83 97.83 97.83 97.83 97.83 97.83 97.83 97.83 97.83 97.83	10.60 11.80 14.36 11.22 12.95 9.57 7.75 10.97 12.95 8.65 NM 13.09 10.52 7.00 10.70	30.32 29.12 26.56 29.70 84.88 88.26 90.08 86.86 84.88 89.18 NM 84.74 87.31 90.83 87.13	99,000 12,000 12,631 NA 3,300 1,900 NA NA 1,400 620 1,800 990 300 320	1,700 580 <b>649</b> 10 9 2 NA NA 130 4 1 5	580 C 130 134 12 12 3 NA NA 98 <5 1 10	2,200 520 1,009 17 17 5 NA NA 75 9 1 5	5,200 1,020 <b>2,037</b> NA 45 7 NA NA 200 <10 2 20 1 3	<50 <10 <2.15 3,300 NA NA NA NA NA NA 68 160 62 26
SECURE IN ISSUED FOR THE PROPERTY OF THE PROPE	Jan-04 Apr-04 Aug-04 Dec-04 Oct-95 Jan-96 Apr-96 Dec-96 Apr-97 Dec-97 Jun-98 Sep-98 Dec-98 Mar-99 Jun-99 Aug-99	40.92 40.92 40.92 40.92 97.83 97.83 97.83 97.83 97.83 97.83 97.83 97.83 97.83 97.83 97.83	10.60 11.80 14.36 11.22 12.95 9.57 7.75 10.97 12.95 8.65 NM 13.09 10.52 7.00 10.70 12.80	30.32 29.12 26.56 29.70 84.88 88.26 90.08 86.86 84.88 89.18 NM 84.74 87.31 90.83 87.13 85.03	99,000 12,000 12,631 NA 3,300 1,900 NA NA 1,400 620 1,800 990 300 320 570	1,700 580 <b>649</b> 10 9 2 NA NA 130 4 1 5	580 C 130 134 12 12 12 3 NA NA 98 <5 1 10 1 7	2,200 520 1,009 17 17 17 5 NA NA 75 9 1 5 1 4 ND	5,200 1,020 2,037  NA 45 7 NA NA 200 <10 2 20 1 3 ND	<50 <10 <2.15 3,300 NA NA NA NA NA NA OB 160 62 26 ND
SECURE IN ISSUED FOR THE PROPERTY OF THE PROPE	Jan-04 Apr-04 Aug-04 Dec-04 Oct-95 Jan-96 Apr-96 Dec-96 Apr-97 Jun-98 Sep-98 Dec-98 Mar-99 Jun-99 Aug-99 Nov-99	40.92 40.92 40.92 40.92 97.83 97.83 97.83 97.83 97.83 97.83 97.83 97.83 97.83 97.83 97.83 97.83	10.60 11.80 14.36 11.22 12.95 9.57 7.75 10.97 12.95 8.65 NM 13.09 10.52 7.00 10.70 12.80 13.25	30.32 29.12 26.56 29.70 84.88 88.26 90.08 86.86 84.88 89.18 NM 84.74 87.31 90.83 87.13 85.03 84.58	99,000 12,631 NA 3,300 1,900 NA NA 1,400 620 1,800 990 300 320 570 290	1,700 580 <b>649</b> 10 9 2 NA NA 130 4 1 5 3 5 <5	580 C 130 134 12 12 3 NA NA 98 <5 1 10 1 7	2,200 520 1,009 17 17 5 NA NA 75 9 1 5 1 4 ND	5,200 1,020 2,037 NA 45 7 NA NA 200 <10 2 20 1 3 ND <5	<50 <10 <2.15 3,300 NA NA NA NA NA NA NA NA NA NA NA NA NA
SECURE IN ISSUED FOR THE PROPERTY OF THE PROPE	Jan-04 Apr-04 Aug-04 Dec-04 Oct-95 Jan-96 Apr-96 Dec-96 Apr-97 Dec-97 Jun-98 Sep-98 Dec-98 Mar-99 Jun-99 Aug-99 Nov-99 Feb-00	40.92 40.92 40.92 40.92 97.83 97.83 97.83 97.83 97.83 97.83 97.83 97.83 97.83 97.83 97.83 97.83 97.83	10.60 11.80 14.36 11.22 12.95 9.57 7.75 10.97 12.95 8.65 NM 13.09 10.52 7.00 10.70 12.80 13.25 9.50	30.32 29.12 26.56 29.70 84.88 88.26 90.08 86.86 84.88 89.18 NM 84.74 87.31 90.83 87.13 85.03 84.58 88.33	99,000 12,000 12,631 NA 3,300 1,900 NA NA 1,400 620 1,800 990 300 320 570 290 80	1,700 580 <b>649</b> 10 9 2 NA NA 130 4 1 5 3 3 5 <5	580 C 130 134 12 12 3 NA NA 98 <5 1 10 10 9	2,200 520 1,009 17 17 5 NA NA 75 9 1 5 1 4 ND <55 <5	5,200 1,020 2,037  NA 45 7 NA NA 200 <10 2 20 1 3 ND <5 <5	<50 <10 <2.15 3,300 NA NA NA NA NA NA NA NA 160 62 26 ND 12 23
SECURE IN ISSUED FOR THE PROPERTY OF THE PROPE	Jan-04 Apr-04 Aug-04 Dec-04 Oct-95 Jan-96 Dec-96 Apr-97 Dec-97 Jun-98 Sep-98 Dec-98 Mar-99 Jun-99 Aug-99 Nov-99 Feb-00 May-00	40.92 40.92 40.92 40.92 97.83 97.83 97.83 97.83 97.83 97.83 97.83 97.83 97.83 97.83 97.83 97.83 97.83	10.60 11.80 14.36 11.22 12.95 9.57 7.75 10.97 12.95 8.65 NM 13.09 10.52 7.00 10.70 12.80 13.25 9.50 10.52	30.32 29.12 26.56 29.70 84.88 88.26 90.08 86.86 84.88 89.18 NM 84.74 87.31 90.83 87.13 85.03 84.58 88.33 87.31	99,000 12,000 12,631 NA 3,300 1,900 NA NA 1,400 620 1,800 990 300 320 570 290 80 494.9	1,700 580 <b>649</b> 10 9 2 NA NA 130 4 1 5 3 5 <5	580 C 130 134  12 12 3 NA NA 98  <5 1 10 1 7 10 9 <5 22	2,200 520 1,009 17 17 17 5 NA NA 75 9 1 5 1 4 ND <55 <5	5,200 1,020 2,037  NA 45 7 NA NA 200 <10 2 20 1 3 ND <5 <5 21.9	<50 <10 <2.15 3,300 NA NA NA NA NA NA E8 160 62 26 ND 12 23 29
SECURE IN ISSUED FOR THE PROPERTY OF THE PROPE	Jan-04 Apr-04 Aug-04 Dec-04 Oct-95 Jan-96 Apr-96 Dec-96 Apr-97 Dec-97 Jun-98 Sep-98 Dec-98 Mar-99 Jun-99 Aug-99 Nov-99 Feb-00	40.92 40.92 40.92 40.92 97.83 97.83 97.83 97.83 97.83 97.83 97.83 97.83 97.83 97.83 97.83 97.83 97.83	10.60 11.80 14.36 11.22 12.95 9.57 7.75 10.97 12.95 8.65 NM 13.09 10.52 7.00 10.70 12.80 13.25 9.50	30.32 29.12 26.56 29.70 84.88 88.26 90.08 86.86 84.88 89.18 NM 84.74 87.31 90.83 87.13 85.03 84.58 88.33	99,000 12,000 12,631 NA 3,300 1,900 NA NA 1,400 620 1,800 990 300 320 570 290 80	1,700 580 <b>649</b> 10 9 2 NA NA 130 4 1 5 3 3 5 <5	580 C 130 134 12 12 3 NA NA 98 <5 1 10 10 9	2,200 520 1,009 17 17 5 NA NA 75 9 1 5 1 4 ND <55 <5	5,200 1,020 2,037  NA 45 7 NA NA 200 <10 2 20 1 3 ND <5 <5	<50 <10 <2.15 3,300 NA NA NA NA NA NA NA NA 160 62 26 ND 12 23
SECURE IN ISSUED FOR THE PROPERTY OF THE PROPE	Jan-04 Apr-04 Aug-04 Dec-04 Oct-95 Jan-96 Apr-96 Dec-96 Apr-97 Jun-98 Sep-98 Dec-98 Mar-99 Jun-99 Aug-99 Nov-99 Feb-00 May-00 Aug-00	40.92 40.92 40.92 40.92 97.83 97.83 97.83 97.83 97.83 97.83 97.83 97.83 97.83 97.83 97.83 97.83 97.83 97.83 97.83	10.60 11.80 14.36 11.22 12.95 9.57 7.75 10.97 12.95 8.65 NM 13.09 10.52 7.00 10.70 12.80 13.25 9.50 10.52 10.52 10.52	30.32 29.12 26.56 29.70 84.88 88.26 90.08 86.86 84.88 89.18 NM 84.74 37.31 90.83 87.13 85.03 84.58 88.33 87.31	99,000 12,000 12,631 NA 3,300 1,900 NA NA 1,400 620 1,800 990 300 320 570 290 80	1,700 580 <b>649</b> 10 9 2 NA NA 130 4 1 5 3 3 5 <5 <5	580 C 130 134  12 12 12 3 NA NA 98  <55 1 10 1 7 10 9 <55 22 <55	2,200 520 1,009  17  17  17  5  NA  NA  75  9  1  4  ND  <55  4.2  <66	5,200 1,020 2,037  NA 45 7 NA NA 200 <10 2 20 1 3 ND <5 21.9 <5	<50 <10 <2.15 3,300 NA NA NA NA NA NA E8 160 62 26 ND 12 23 29 11.7
SECURE IN ISSUED FOR THE PROPERTY OF THE PROPE	Jan-04 Apr-04 Aug-04 Dec-04 Oct-95 Jan-96 Apr-96 Dec-96 Apr-97 Dec-97 Jun-98 Sep-98 Dec-98 Mar-99 Jun-99 Aug-99 Nov-99 Feb-00 May-00 Aug-00 Nov-00 Mar-01 May-01	40.92 40.92 40.92 40.92 97.83 97.83 97.83 97.83 97.83 97.83 97.83 97.83 97.83 97.83 97.83 97.83 97.83 97.83 97.83 97.83 97.83	10.60 11.80 14.36 11.22 12.95 9.57 7.75 10.97 12.95 8.65 NM 13.09 10.52 7.00 10.70 12.80 13.25 9.50 10.52 12.63 11.95 8.04 10.60	30.32 29.12 26.56 29.70 84.88 88.26 90.08 86.86 84.88 89.18 NM 84.74 87.31 90.83 87.13 85.03 84.58 88.33 87.31 85.20 85.88 89.79 87.23	99,000 12,000 12,631 NA 3,300 1,900 NA NA 1,400 620 1,800 990 300 320 570 290 80 494.9 80 50 80	1,700 580 <b>649</b> 10 9 2 NA NA 130 4 1 5 3 3 5 <5 <5 4.9 <5 ND 0,97 ND	580 C 130 134  12 12 3 NA NA 98  <55 1 10 9 <55 22 <55 ND ND 9.1	2,200 520 1,009  17 17 5 NA NA 75 9 1 5 1 4 ND <55 <55 4.2 <6 ND  0,76 1.3	5,200 1,020 2,037  NA  45 7 NA  NA  200 <10 2 20 1 3 ND <5 <5 21.9 <5 ND  ND  ND  2.3	<50 <10 <2.15 3,300 NA NA NA NA NA NA 160 62 26 ND 12 23 29 11.7 9.1 78 28
SECURE IN ISSUED FOR THE PROPERTY OF THE PROPE	Jan-04 Apr-04 Aug-04 Dec-04 Oct-95 Jan-96 Apr-96 Dec-96 Apr-97 Dec-97 Jun-98 Sep-98 Dec-98 Mar-99 Jun-99 Aug-99 Nov-99 Feb-00 May-00 Aug-00 Nov-00 May-01 Aug-01	40.92 40.92 40.92 40.92 97.83 97.83 97.83 97.83 97.83 97.83 97.83 97.83 97.83 97.83 97.83 97.83 97.83 97.83 97.83 97.83 97.83	10.60 11.80 14.36 11.22 12.95 9.57 7.75 10.97 12.95 8.65 NM 13.09 10.52 7.00 10.70 12.80 13.25 9.50 10.52 12.63 11.95 8.04 10.60 13.02	30.32 29.12 26.56 29.70 84.88 88.26 90.08 86.86 84.88 89.18 NM 84.74 87.31 90.83 87.13 85.03 84.58 88.33 87.31 85.20 85.88 89.79 87.23	99,000 12,000 12,631 NA 3,300 1,900 NA NA 1,400 620 1,800 990 300 320 570 290 80 494.9 80 50 82 370 610	1,700 580 <b>649</b> 10 9 2 NA NA 130 4 1 5 3 3 5 <5 <5 4.9 <5 ND 0.97 ND 3.7	580 C 130 134  12 12 12 3 NA NA 98  <51 1 10 1 7 10 9 <55 22 <55 ND ND ND 9.1 3	2,200 520 1,009  17 17 17 5 NA NA 75 9 1 5 1 4 ND <55 <55 4.2 <6 ND 0.76 1.3 6.2	5,200 1,020 2,037  NA  45 7 NA  NA  200 <10 2 20 1 3 ND <5 <5 21.9 <5 ND  ND  ND  2.33 18.9	<50 <10 <2.15 3,300 NA NA NA NA NA NA 68 160 62 26 ND 12 23 29 11.7 9.1 78 28 10
SECURE IN ISSUED FOR THE PROPERTY OF THE PROPE	Jan-04 Apr-04 Aug-04 Dec-04 Oct-95 Jan-98 Apr-96 Dec-96 Apr-97 Dec-97 Jun-98 Sep-98 Dec-98 Mar-99 Jun-99 Aug-99 Nov-99 Feb-00 May-00 Aug-00 Nov-00 Mar-01 May-01 Nov-01	40.92 40.92 40.92 40.92 97.83 97.83 97.83 97.83 97.83 97.83 97.83 97.83 97.83 97.83 97.83 97.83 97.83 97.83 97.83 97.83 97.83 97.83	10.60 11.80 14.36 14.36 11.22  12.95 9.57 7.75 10.97 12.95 8.65 NM 13.09 10.52 7.00 10.70 12.80 13.25 9.50 10.52 12.63 11.95 8.04 10.60 13.02 12.83	30.32 29.12 26.56 29.70 84.88 88.26 90.08 86.86 84.88 89.18 NM 84.74 87.31 90.83 87.13 85.03 84.58 88.33 87.31 85.20 85.20 85.88 89.79 87.23 84.81 85.00	99,000 12,000 12,631 NA 3,300 1,900 NA NA 1,400 620 1,800 990 300 320 570 290 80 494,9 80 50 82 370 610 1,700	1,700 580 <b>649</b> 10 9 2 NA NA 130 4 1 5 3 3 5 <5 <5 4,9 <5 ND 0,97 ND	580 C 130 134  12 12 12 3 NA NA 98 <55 1 10 9 <55 22  55 ND ND ND 9.1 3 220	2,200 520 1,009  17 17 17 5 NA NA 75 9 1 5 1 4 ND <5 <5 ND 0,76 1.3 6.2 41	5,200 1,020 2,037  NA 45 7 NA NA 200 <10 2 20 1 3 ND <5 <5 21.9 <5 ND ND ND 2.3 18.9 205	<50 <10 <2.15  3,300  NA  NA  NA  NA  NA  NA  160  62  26  ND  12  23  29  11.7  9.1  78  28  10  69
SECURE IN ISSUED FOR THE PROPERTY OF THE PROPE	Jan-04 Apr-04 Aug-04 Dec-04 Oct-95 Jan-96 Apr-96 Dec-96 Apr-97 Jun-98 Sep-98 Dec-98 Mar-99 Jun-99 Aug-99 Nov-99 Feb-00 May-00 Aug-01 Nov-00 May-01 Aug-01 Nov-01 Feb-02	40.92 40.92 40.92 40.92 97.83 97.83 97.83 97.83 97.83 97.83 97.83 97.83 97.83 97.83 97.83 97.83 97.83 97.83 97.83 97.83 97.83 97.83 97.83	10.60 11.80 14.36 11.22 12.95 9.57 7.75 10.97 12.95 8.65 NM 13.09 10.52 7.00 10.70 12.80 13.25 9.50 10.52 12.63 11.95 8.04 10.60 13.02 12.83 8.91	30.32 29.12 26.56 29.70 84.88 88.26 90.08 86.86 84.88 89.18 NM 84.74 87.31 90.83 87.13 85.03 84.58 88.33 87.31 85.20 85.88 89.79 87.23 84.81 85.00 88.92	99,000 12,631  NA 3,300 1,900 NA NA 1,400 620 1,800 990 300 320 570 290 80 494.9 80 50 82 370 610 1,700 380	1,700 580 <b>649</b> 10 9 2 NA NA 130 4 1 5 3 5 <5 <5 4.9 <5 ND 0.97 ND 3.7 24 <0.5	580 C 130 134  12 12 12 3 NA NA 98 <55 1 10 17 7 10 9 <55 22 <55 ND ND ND 9.1 3 220 2.5	2,200 520 1,009  17 17 17 5 NA NA 75 9 1 5 1 4 ND <55 <5 4.2 <6 ND 0.76 1.3 6.2 41 2	5,200 1,020 2,037  NA 45 7 NA NA 200 <10 2 20 1 3 ND <5 21.9 <5 ND ND 2.3 18.9 205 3.8	<50 <10 <2.15 3,300 NA NA NA NA NA NA NA 160 62 26 ND 12 23 29 11.7 9.1 78 28 10 69 78
SECURE IN ISSUED FOR THE PROPERTY OF THE PROPE	Jan-04 Apr-04 Apr-04 Aug-04 Dec-04  Oct-95 Jan-96 Apr-96 Dec-96 Apr-97 Dec-97 Jun-98 Sep-98 Dec-98 Mar-99 Jun-99 Aug-99 Nov-99 Feb-00 May-00 Aug-00 Aug-01 Aug-01 Aug-01 Aug-01 Aug-01 Nov-01 Feb-02 May-02	40.92 40.92 40.92 40.92 40.92 97.83	10.60 11.80 14.36 11.22 12.95 9.57 7.75 10.97 12.95 8.65 NM 13.09 10.52 7.00 10.70 12.80 13.25 9.50 10.52 12.63 11.95 8.04 10.60 13.02 12.83 8.91 10.13	30.32 29.12 26.56 29.70 84.88 88.26 90.08 86.86 84.88 89.18 NM 84.74 87.31 90.83 87.13 85.03 84.58 88.33 87.31 85.20 85.88 89.79 87.23 84.81 85.00 88.92 87.70	99,000 12,000 12,631 NA 3,300 1,900 NA NA 1,400 620 1,800 990 300 320 570 290 80 494,9 80 50 82 370 610 1,700 380 560	1,700 580 649 10 9 2 NA NA 130 4 1 5 3 3 5 <5 <5 <5 ND 0.97 ND 3.7 24 <0.5 15	580 C 130 134  12 12 3 NA NA 98 <51 10 17 7 10 9 <5 22 <5 ND ND 9.1 3 220 2.5 28.0	2,200 520 1,009  17 17 17 5 NA NA 75 9 1 5 1 4 ND <55 <5 4.2 <5 ND 0,76 1.3 6.2 41 2 9.2	5,200 1,020 2,037  NA 45 7 NA NA 200 <10 2 20 1 3 ND <5 <5 21.9 <5 ND ND 2.3 18.9 205 3.8 44.0	<50 <10 <2.15 3,300 NA NA NA NA NA NA NA 160 62 26 ND 12 23 29 11.7 9.1 78 28 10 69 78 37
SECURE IN ISSUED FOR THE PROPERTY OF THE PROPE	Jan-04 Apr-04 Aug-04 Dec-04 Oct-95 Jan-96 Apr-96 Dec-96 Apr-97 Jun-98 Sep-98 Dec-98 Mar-99 Jun-99 Aug-99 Nov-99 Feb-00 May-00 Aug-01 Nov-00 May-01 Aug-01 Nov-01 Feb-02	40.92 40.92 40.92 40.92 97.83	10.60 11.80 14.36 11.22 12.95 9.57 7.75 10.97 12.95 8.65 NM 13.09 10.52 7.00 10.70 12.80 13.25 9.50 10.52 12.63 11.95 8.04 10.60 13.02 12.83 8.91 10.13 12.15	30.32 29.12 26.56 29.70 84.88 88.26 90.08 86.86 84.88 89.18 NM 84.74 87.31 90.83 87.13 85.03 84.58 88.33 87.31 85.20 85.88 89.79 87.23 87.23 88.81 85.00	99,000 12,000 12,631  NA 3,300 1,900 NA NA 1,400 620 1,800 990 300 320 570 290 80 494.9 80 50 82 370 610 1,700 380 560 270	1,700 580 <b>649</b> 10 9 2 NA NA 130 4 1 5 3 3 3 5 5 5 5 4.9 45 ND 0.97 ND 3.7 24 4 0.5 15 5.3	580 C 130 134  12 12 3 NA NA 98  <5 1 10 1 7 10 9 <5 22 <5 ND ND 9.1 3 220 2.5 28.0 1.3 C	2,200 520 1,009  17 17 17 5 NA NA 75 9 1 5 1 4 ND <55 <5 4.2 <5 ND 0.76 1.3 6.2 41 2 9.2 2.3	5,200 1,020 2,037  NA 45 7 NA NA 200 <10 2 20 1 3 ND <5 21.9 <5 ND ND ND 2.3 18.9 205 3.8 44.0 8.1	<50 <10 <2.15 3,300 NA NA NA NA NA NA 68 160 62 26 ND 12 23 29 11.7 9.1 78 28 10 69 78 37 46
SECURE IN ISSUED FOR THE PROPERTY OF THE PROPE	Jan-04 Apr-04 Aug-04 Dec-04  Oct-95 Jan-96 Apr-96 Dec-96 Apr-97 Jun-98 Sep-98 Dec-98 Mar-99 Jun-99 Aug-99 Nov-99 Feb-00 May-00 Aug-00 Mar-01 May-01 Aug-01 Nov-01 Feb-02 May-02 Jul-02	40.92 40.92 40.92 40.92 40.92 97.83	10.60 11.80 14.36 14.36 11.22 12.95 9.57 7.75 10.97 12.95 8.65 NM 13.09 10.52 7.00 10.70 12.80 13.25 9.50 10.52 12.63 11.95 8.04 10.60 13.02 12.83 8.91 10.13 12.15 13.74	30.32 29.12 26.56 29.70 84.88 88.26 90.08 86.86 84.88 89.18 NM 84.74 87.31 90.83 87.31 85.03 84.58 83.33 87.31 85.20 85.20 85.20 85.88 89.79 87.23 84.81 85.00 88.92 87.70 27.79 26.20	99,000 12,631  NA 3,300 1,900 NA NA 1,400 620 1,800 990 300 320 570 290 80 494,9 80 50 82 370 610 1,700 380 660 270 350	1,700 580 649 10 9 2 NA NA 130 4 1 5 <5 <5 <5 ND 0,97 ND 0,97 ND 3,7 24 <0.5 15 5,3 <0.5	580 C 130 134  12 12 3 NA NA 98 <51 10 17 7 10 9 <5 22 <5 ND ND 9.1 3 220 2.5 28.0	2,200 520 1,009  17 17 17 5 NA NA 75 9 1 5 1 4 ND <55 <5 4.2 <5 ND 0,76 1.3 6.2 41 2 9.2	5,200 1,020 2,037  NA 45 7 NA NA 200 <10 2 20 1 3 ND <5 <5 21.9 <5 ND ND 2.3 18.9 205 3.8 44.0	<50 <10 <2.15 3,300 NA NA NA NA NA NA NA 160 62 26 ND 12 23 29 11.7 9.1 78 28 10 69 78 37
SECURE IN ISSUED FOR THE PROPERTY OF THE PROPE	Jan-04 Apr-04 Aug-04 Dec-04  Oct-95 Jan-98 Apr-96 Dec-96 Apr-97 Dec-97 Jun-98 Sep-98 Dec-98 Mar-99 Jun-99 Aug-99 Nov-99 Feb-00 May-00 Aug-00 Nov-00 Mar-01 May-01 Aug-01 Nov-01 Feb-02 May-02 Jul-02 Oct-02	40.92 40.92 40.92 40.92 97.83	10.60 11.80 14.36 11.22 12.95 9.57 7.75 10.97 12.95 8.65 NM 13.09 10.52 7.00 10.70 12.80 13.25 9.50 10.52 12.63 11.95 8.04 10.60 13.02 12.83 8.91 10.13 12.15	30.32 29.12 26.56 29.70 84.88 88.26 90.08 86.86 84.88 89.18 NM 84.74 87.31 90.83 87.13 85.03 84.58 88.33 87.31 85.20 85.88 89.79 87.23 87.23 88.81 85.00	99,000 12,000 12,631  NA 3,300 1,900 NA NA 1,400 620 1,800 990 300 320 570 290 80 494.9 80 50 82 370 610 1,700 380 560 270	1,700 580 <b>649</b> 10 9 2 NA NA 130 4 1 5 3 3 3 5 5 5 5 4.9 45 ND 0.97 ND 3.7 24 4 0.5 15 5.3	580 C 130 134  12 12 12 3 NA NA 98 <55 1 10 9 <55 22 <55 ND ND ND 9.1 3 220 2.5 28.0 1.3 C 2.1 C	2,200 520 1,009  17 17 17 5 NA NA 75 9 1 5 1 4 ND <5 <5 ND 0,76 1.3 6.2 41 2 9.2 2.3 <0.5	5,200 1,020 2,037  NA 45 7 NA 200 <10 2 20 1 3 ND <5 <1,9 <5 ND ND 2,3 18,9 205 3,8 44,0 8,1 3,1 C	<50 <10 <2.15 3,300 NA NA NA NA NA NA NA 160 62 26 ND 12 23 29 11.7 9.1 78 28 10 69 78 37 46 43
SECURE IN ISSUED FOR THE PROPERTY OF THE PROPE	Jan-04 Apr-04 Aug-04 Dec-04  Oct-95 Jan-96 Apr-96 Dec-96 Apr-97 Dec-97 Jun-98 Sep-98 Dec-98 Mar-99 Jun-99 Aug-99 Nov-99 Feb-00 May-00 Aug-00 Aug-01 Nov-01 Feb-02 Jun-02 Jun-02 Jun-03 May-03 Jul-03	40.92 40.92 40.92 40.92 97.83	10.60 11.80 14.36 14.36 11.22 12.95 9.57 7.75 10.97 12.95 8.65 NM 13.09 10.52 7.00 10.70 12.80 13.25 9.50 10.52 12.63 11.95 8.04 10.60 13.02 12.83 8.91 10.13 12.15 13.74 8.45	30.32 29.12 26.56 29.70 84.88 88.26 90.08 86.86 84.88 89.18 NM 84.74 87.31 90.83 87.13 85.03 84.58 88.33 87.31 85.20 85.88 89.79 87.23 84.81 85.00 88.92 87.70 27.79 26.20 31.49	99,000 12,631  NA 3,300 1,900 NA NA 1,400 620 1,800 990 300 320 570 290 80 494.9 80 50 82 370 610 1,700 380 560 270 350	1,700 580 649 10 9 2 NA NA 130 4 1 5 3 5 <5 <5 4.9 <5 ND 0.97 ND 3.7 24 <0.5 15 5.3 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5	580 C 130 134  12 12 12 3 NA NA 98 <51 1 10 1 7 10 9 <55 22 <55 ND ND ND 9.1 3 220 2.5 28.0 1.3 C 2.1 C <0.5	2,200 520 1,009  17 17 17 5 NA NA 75 9 1 5 1 4 ND <5 <5 4.2 <6 ND 0.76 1.3 6.2 41 2 9.2 2.3 <0.5 0.78	5,200 1,020 2,037  NA 45 7 NA NA 200 <10 2 20 1 3 ND <5 <5 21.9 <5 ND ND 2.3 18.9 205 3.8 44.0 8.1 3.1 C 0.55	<50 <10 <2.15 3,300 NA NA NA NA NA NA NA NA 68 160 62 26 ND 12 23 29 11.7 9.1 78 28 10 69 78 37 46 43 19 11 5.9
SECURE IN ISSUED FOR THE PROPERTY OF THE PROPE	Jan-04 Apr-04 Aug-04 Dec-04  Oct-95 Jan-98 Apr-96 Dec-96 Apr-97 Dec-97 Jun-98 Sep-98 Dec-98 Mar-99 Jun-99 Aug-99 Nov-99 Feb-00 May-00 Aug-00 Nov-00 Mar-01 Aug-01 Nov-01 Feb-02 Jun-02 Jun-03 May-03 Aug-03 May-03 Aug-03 May-03 Aug-03 A	40.92 40.92 40.92 40.92 97.83	10.60 11.80 14.36 14.36 11.22 12.95 9.57 7.75 10.97 12.95 8.65 NM 13.09 10.52 7.00 10.70 12.80 13.25 9.50 10.52 12.63 11.95 8.04 10.60 13.02 12.83 8.91 10.13 12.15 13.74 8.45 7.69 11.72 13.10	30.32 29.12 26.56 29.70 84.88 88.26 90.08 86.86 84.88 89.18 NM 84.74 87.31 90.83 87.13 85.03 84.58 88.33 87.31 85.20 85.20 85.20 85.88 89.79 87.23 84.81 85.00 88.92 87.70 27.79 26.20 31.49 32.25 28.22 26.84	99,000 12,631  NA 3,300 1,900 NA NA 1,400 620 1,800 990 300 320 570 290 80 494,9 80 50 82 370 610 1,700 380 660 270 350 220 Y 280 230 460	1,700 580 649 10 9 2 NA NA 130 4 1 5 <5 <5 <5 ND 0,97 ND 0,97 ND 3,37 24 <0.5 15 5,33 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.	580 C 130 134  12 12 12 3 NA NA 98 <55 1 10 10 9 <55 22 <55 ND ND ND 9.1 3 220 2.5 28.0 1.3 C 2.1 C <0.5 40.5 1.3 C <0.5	2,200 520 1,009  17 17 17 5 NA NA 75 9 1 5 1 4 ND <5 <5 ND 0,76 1.3 6.2 41 2 9.2 2.3 <0.5 0,78 <0.5 <0.5 <0.5	5,200 1,020 2,037  NA 45 7 NA 200 <10 2 20 1 3 ND <5 <5 21.9 <5 ND ND 2.3 18.9 205 3.8 44.0 8.1 3.1 C 0.55 <0.63 <0.5	<50 <10 <b>&lt;2.15</b> 3,300  NA  NA  NA  NA  NA  NA  NA  NA  160  62  26  ND  12  23  29  11.7  9.1  78  28  10  69  78  37  46  43  19  11  5.9  5.0
SECURE IN ISSUED FOR THE PROPERTY OF THE PROPE	Jan-04 Apr-04 Apr-04 Aug-04 Dec-04  Oct-95 Jan-96 Apr-96 Dec-96 Apr-97 Jun-98 Sep-98 Dec-98 Mar-99 Jun-99 Nov-99 Feb-00 May-00 Aug-00 Nov-00 Mar-01 May-01 Aug-01 Nov-01 Feb-02 Jun-03 May-03 Jun-03 Jun-03 Jun-04	40.92 40.92 40.92 40.92 97.83	10.60 11.80 14.36 14.36 11.22 12.95 9.57 7.75 10.97 12.95 8.65 NM 13.09 10.52 7.00 10.70 12.80 13.25 9.50 10.52 12.63 11.95 8.04 10.60 13.02 12.83 8.91 10.13 12.15 13.74 8.45 7.69 11.72 13.10 9.23	30.32 29.12 26.56 29.70 84.88 88.26 90.08 86.86 84.88 89.18 NM 84.74 87.31 90.83 87.13 85.03 84.58 88.33 87.31 85.20 85.20 85.20 85.88 89.79 87.23 84.81 85.00 88.92 87.70 27.79 26.20 31.49 32.25 26.84 30.71	99,000 12,631  NA 3,300 1,900 NA NA 1,400 620 1,800 990 300 320 570 290 80 494.9 80 50 82 370 610 1,700 380 560 270 350 220 Y 280 230 460 380	1,700 580 649 10 9 2 NA NA 130 4 1 5 3 3 5 <5 <5 4.9 <5 ND 0.97 ND 3.7 24 <0.5 15 5.3 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <	580 C 130 134  12 12 12 3 NA NA 98 <5 1 10 1 7 10 9 <5 22 <5 ND ND 9.1 3 220 2.5 28.0 1.3 C 2.1 C <0.5 1.3 C <0.5 1.4 C	2,200 520 1,009  17 17 17 5 NA NA 75 9 1 5 1 4 ND <5 <5 ND 0,76 1.3 6.2 41 2 9.2 2.3 <0.5 0,78 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5	5,200 1,020 2,037  NA 45 7 NA NA 200 <10 2 20 1 3 ND <5 <5 21.9 <5 ND ND 2.3 18.9 205 3.8 44.0 8.1 3.1 C 0.55 <0.5 0.63 <0.5 <0.5 <0.5	<50 <10 <2.15  3,300  NA NA NA NA NA NA NA 160 62 26 ND 12 23 29 11.7 9.1 78 28 10 69 78 37 46 43 19 11 5.9 5.0 <5.0
SECURE IN ISSUED FOR THE PROPERTY OF THE PROPE	Jan-04 Apr-04 Apr-04 Aug-04 Dec-04  Cot-95 Jan-96 Apr-96 Dec-96 Apr-97 Jun-98 Sep-98 Dec-98 Mar-99 Jun-99 Aug-99 Nov-99 Feb-00 May-00 Aug-00 Aug-01 Aug-01 Aug-01 Aug-01 Feb-02 May-02 Jul-02 Oct-02 Jan-03 May-03 Jul-03 Oct-03 Jan-04 Apr-04	40.92 40.92 40.92 40.92 97.83	10.60 11.80 14.36 14.36 11.22 12.95 9.57 7.75 10.97 12.95 8.65 NM 13.09 10.52 7.00 10.70 12.80 13.25 9.50 10.52 12.63 11.95 8.04 10.60 13.02 12.83 8.91 10.13 12.15 13.74 8.45 7.69 11.72 13.10 9.23 10.40	30.32 29.12 26.56 29.70 84.88 88.26 90.08 86.86 84.88 89.18 NM 84.74 87.31 90.83 87.13 85.03 84.58 88.33 87.31 85.20 85.88 89.79 87.23 84.81 85.00 88.92 87.70 27.79 26.20 31.49 32.25 28.22 26.84 30.71 29.54	99,000 12,631  NA 3,300 1,900 NA NA 1,400 620 1,800 990 300 320 570 290 80 494.9 80 50 82 370 610 1,700 380 680 270 380 220 Y 280 230 460 380 480	1,700 580 649 10 9 2 NA NA 130 4 1 5 3 3 5 <5 <5 <5 ND 0.97 ND 3.7 24 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.	580 C 130 134  12 12 12 3 NA NA 98 <55 1 10 17 7 10 9 <522 <55 ND ND 9.1 3 220 2.5 28.0 1.3 C 2.1 C <0.5 1.3 C <0.5 1.4 C 2.5 C	2,200 520 1,009  17 17 17 5 NA NA 75 9 1 5 1 4 ND <55 <4.2 <5 ND 0.76 1.3 6.2 41 2 9.2 2.3 <0.5 0.78 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5	5,200 1,020 2,037  NA 45 7 NA NA 200 <10 2 20 1 3 ND <5 21.9 <5 ND ND 2.3 18.9 205 3.8 44.0 8.1 3.1 C 0.55 <0.5 0.63 <0.5 0.90	<50 <10 <2.15  3,300  NA  NA  NA  NA  NA  NA  NA  NA  160  62  26  ND  12  23  29  11.7  9.1  78  28  10  69  78  37  46  43  19  11  5.9  5.0  <5.0  0.62
SECTION IN THE SECTION OF THE PROPERTY OF THE	Jan-04 Apr-04 Apr-04 Aug-04 Dec-04  Oct-95 Jan-96 Apr-96 Dec-96 Apr-97 Jun-98 Sep-98 Dec-98 Mar-99 Jun-99 Nov-99 Feb-00 May-00 Aug-00 Nov-00 Mar-01 May-01 Aug-01 Nov-01 Feb-02 Jun-03 May-03 Jun-03 Jun-03 Jun-04	40.92 40.92 40.92 40.92 97.83	10.60 11.80 14.36 14.36 11.22 12.95 9.57 7.75 10.97 12.95 8.65 NM 13.09 10.52 7.00 10.70 12.80 13.25 9.50 10.52 12.63 11.95 8.04 10.60 13.02 12.83 8.91 10.13 12.15 13.74 8.45 7.69 11.72 13.10 9.23	30.32 29.12 26.56 29.70 84.88 88.26 90.08 86.86 84.88 89.18 NM 84.74 87.31 90.83 87.13 85.03 84.58 88.33 87.31 85.20 85.20 85.20 85.88 89.79 87.23 84.81 85.00 88.92 87.70 27.79 26.20 31.49 32.25 26.84 30.71	99,000 12,631  NA 3,300 1,900 NA NA 1,400 620 1,800 990 300 320 570 290 80 494.9 80 50 82 370 610 1,700 380 560 270 350 220 Y 280 230 460 380	1,700 580 649 10 9 2 NA NA 130 4 1 5 3 3 5 <5 <5 4.9 <5 ND 0.97 ND 3.7 24 <0.5 15 5.3 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5 <	580 C 130 134  12 12 12 3 NA NA 98 <5 1 10 1 7 10 9 <5 22 <5 ND ND 9.1 3 220 2.5 28.0 1.3 C 2.1 C <0.5 1.3 C <0.5 1.4 C	2,200 520 1,009  17 17 17 5 NA NA 75 9 1 5 1 4 ND <5 <5 ND 0,76 1.3 6.2 41 2 9.2 2.3 <0.5 0,78 <0.5 <0.5 <0.5 <0.5 <0.5 <0.5	5,200 1,020 2,037  NA 45 7 NA NA 200 <10 2 20 1 3 ND <5 <5 21.9 <5 ND ND 2.3 18.9 205 3.8 44.0 8.1 3.1 C 0.55 <0.5 0.63 <0.5 <0.5 <0.5	<50 <10 <2.15  3,300  NA NA NA NA NA NA NA 160 62 26 ND 12 23 29 11.7 9.1 78 28 10 69 78 37 46 43 19 11 5.9 5.0 <5.0

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

Monitoring Well	Date	Top Of Casing Elevation (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 <sup>1</sup> EPA 8260E (μg/L)
MW-8	Oct-95	97.25	12.86	84.39	NA	NA	NA	NA	NΑ	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
1	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
L	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	NΑ
	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	<b>&lt;</b> 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
	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
	Jul-02	39.38	11.79	27.59	8,400	340	78	530	517	1,200
	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
ı	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
L	Oct-03	39.38	13.09	26.29	16,000	830	87	2,000	675	280
Γ	Jan-04	39.38	10.32	29.06	18,000	330	37 C	860	239	500
	Арг-04	39.38	11.23	28.15	12,000	240	26 C	650	128,8 C	<4
ı	Aug-04	39.38	13.02	26.36	6,000	310	27	660	56.8 C	<4
- 1	Dec-04	39.38	10.79	28.59	6,650	171	15	360	35	166

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

Monitoring Well	Date	Top Of Casing Elevation (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 <sup>1</sup> EPA 8260B (μg/L)
MW-10	Dec-96	94.54	10.44	84.10	NA :	NA	NA	NA	NA	NA
ľ	Apr-97	94.54	10.07	B4.47	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	<b>&lt;</b> 5	70	652
	Feb-00	94.54	9.25	85.29	<50	<5	<5	<5	<5	448
Į.	May-00	94.54	9.45	85.09	4,400	1,500	25	390	107.1	580
ſ	Aug-00	94.54	11.52	83.02	6,800	1,055	26	54	53.8	1,283
Į.	Nov-00	94.54	11.35	83.19	ND	ND	ND	ND	ND	145
	Mar-01	94.54	8.07	86.47	4,935	969	18	41	72	630
l	May-01	94.54	9.80	84.74	2,900	630	11	200	31	270
l	Aug-01 Nov-01	94.54	11.64	82.90	242	35	1 260	11	2	64 410
-	Feb-02	94.54 94.54	12.06 8.29	82.48	3,500	900	260 20	310 370	258 63.7	500
	May-02	94.54	9.49	86.26 85.05	4,700 3,400	1,100 660	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
ļ	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
<u>l</u>	Oct-03	36.71	11.91	24.80	2,000	410	11	170	9.14 C	110
ſ	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
i	Aug-04	36.71	11.60	25.21	3,400	550	13	240	17.0	100
	Aug-04 <b>Dec-04</b>	36.71 <b>36.71</b>	11.50 9.29	25.21 <b>27.42</b>			13 10	184	16.0	144
	Dec-04	36.71 <b>36.71</b>	11.50 <b>9.29</b>	25.21 <b>27.42</b>	3,400 <b>2,524</b>	550 <b>556</b>	13 10	184	16.0	144
MW-11	Dec-04 Dec-96	36.71 <b>36.71</b> 95.94	11.50 <b>9.29</b> 11.99	25.21 <b>27.42</b> 83.95	3,400 <b>2,524</b> NA	550 <b>556</b> NA	13 10 NA	184 NA	16.0 NA	144 NA
	Dec-96 Apr-97	36.71 36.71 95.94 95.94	11.50 <b>9.29</b> 11.99 11.47	25.21 <b>27.42</b> 83.95 84.47	3,400 <b>2,524</b> NA NA	550 <b>556</b> NA NA	13 10 NA NA	NA NA	16.0 NA NA	144 NA NA
	Dec-94 Dec-96 Apr-97 Dec-97	36.71 36.71 95.94 95.94 95.94	11.50 9.29 11.99 11.47 10.40	25.21 <b>27.42</b> 83.95 84.47 85.54	3,400 <b>2,524</b> NA NA 710	550 556 NA NA NA 66	13 10 NA NA 97	184 NA NA 59	16.0 NA NA 190	NA NA NA NA
	Dec-96 Apr-97 Dec-97 Jun-98	36.71 36.71 95.94 95.94 95.94 95.94	11.50 9.29 11.99 11.47 10.40 NM	25.21 27.42 83.95 84.47 85.54 NM	3,400 2,524 NA NA 710 1,100	550 556 NA NA 66 45	13 10 NA NA 97 24	184 NA NA 59 71	16.0 NA NA 190 100	144 NA NA NA NA
	Dec-96 Apr-97 Dec-97 Jun-98 Sep-98	36.71 36.71 95.94 95.94 95.94 95.94 95.94	11.50 9.29 11.99 11.47 10.40 NM 13.24	25.21 27.42 83.95 84.47 85.54 NM 82.70	3,400 2,524 NA NA 710 1,100 170	550 556 NA NA 66 45 7	13 10 NA NA 97 24 1	NA NA NA 59 71 4	NA NA 190 100 9	144 NA NA NA NA 22
	Dec-96 Apr-97 Dec-97 Jun-98 Sep-98 Dec-98	36.71 36.71 95.94 95.94 95.94 95.94 95.94 95.94	11.50 9.29 11.99 11.47 10.40 NM 13.24 11.58	25.21 27.42 83.95 84.47 85.54 NM 82.70 84.36	3,400 2,524 NA NA 710 1,100 170 650	550 556 NA NA 66 45 7 27	13 10 NA NA 97 24 1	184 NA NA 59 71 4 25	16.0 NA NA 190 100 9 33	NA NA NA NA NA 22 >0.5
	Dec-96 Apr-97 Dec-97 Jun-98 Sep-98	36.71 36.71 95.94 95.94 95.94 95.94 95.94 95.94	11.50 9.29 11.99 11.47 10.40 NM 13.24 11.58 8.81	25.21 27.42 83.95 84.47 85.54 NM 82.70 84.36 87.13	3,400 2,524 NA NA 710 1,100 170 650 710	550 556 NA NA 66 45 7 27 30	13 10 NA NA 97 24 1 4	NA NA S9 71 4 25	16.0 NA NA 190 100 9 33 84	NA NA NA NA NA 22 >0.5
	Dec-04  Dec-96  Apr-97  Dec-97  Jun-98  Sep-98  Dec-98  Mar-99	36.71 36.71 95.94 95.94 95.94 95.94 95.94 95.94	11.50 9.29 11.99 11.47 10.40 NM 13.24 11.58	25.21 27.42 83.95 84.47 85.54 NM 82.70 84.36	3,400 2,524 NA NA 710 1,100 170 650	550 556 NA NA 66 45 7 27	13 10 NA NA 97 24 1	184 NA NA 59 71 4 25	16.0 NA NA 190 100 9 33	NA NA NA NA NA 22 >0.5
	Dec-04  Dec-96  Apr-97  Dec-97  Jun-98  Sep-98  Dec-98  Mar-99  Jun-99	36.71 36.71 95.94 95.94 95.94 95.94 95.94 96.94 96.94	11.50 9.29 11.99 11.47 10.40 NM 13.24 11.58 8.81 11.50	25.21 27.42 83.95 84.47 85.54 NM 82.70 84.36 87.13 84.44	3,400 2,524 NA NA 710 1,100 170 650 710 4,600	550 556 NA NA 66 45 7 27 30 1,240	13 10 NA NA 97 24 1 4 6 35	NA NA 59 71 4 25 53 290	NA NA 190 100 9 33 84 159	NA NA NA NA NA 22 >0.5 8 1,291
	Dec-94  Dec-96  Apr-97  Dec-97  Jun-98  Sep-98  Dec-98  Mar-99  Jun-99  Aug-99	36.71 36.71 95.94 95.94 95.94 95.94 95.94 96.94 96.94 95.94	11.50 9.29 11.99 11.47 10.40 NM 13.24 11.58 8.81 11.50 12.75	25.21 27.42 83.95 84.47 85.54 NM 82.70 84.36 87.13 84.44 83.19	3,400 2,524 NA NA 710 1,100 170 650 710 4,600 170	550 556 NA NA 66 45 7 27 30 1,240 4	13 10 NA NA 97 24 1 4 6 35 4	NA NA NA 59 71 4 25 53 290 ND	NA NA 190 100 9 33 84 159 6	NA NA NA NA NA 22 >0.5 8 1,291 ND
	Dec-94  Dec-96  Apr-97  Dec-97  Jun-98  Sep-98  Dec-98  Mar-99  Jun-99  Aug-99  Nov-99	36.71 36.71 95.94 95.94 95.94 95.94 95.94 95.94 95.94 95.94 95.94	11.50 9.29 11.99 11.47 10.40 NM 13.24 11.58 8.81 11.50 12.75 13.85	25.21 27.42 83.95 84.47 85.54 NM 82.70 84.36 87.13 84.44 83.19 82.09	3,400 2,524 NA NA 710 1,100 170 650 710 4,600 170 <50	550 556 NA NA NA 66 45 7 27 30 1,240 4 <5	13 10 NA NA 97 24 1 4 6 35 4	NA NA NA 59 71 4 25 53 290 ND <5	16.0 NA NA 190 100 9 33 84 159 6 <5	NA NA NA NA NA 22 >0.5 8 1,291 ND <5
	Dec-94  Dec-96  Apr-97  Dec-97  Jun-98  Sep-98  Dec-98  Mar-99  Aug-99  Nov-99  Feb-00  May-00  Aug-00	36.71 36.71 95.94 95.94 95.94 95.94 95.94 96.94 95.94 95.94 95.94 95.94 95.94	11.50 9.29 11.99 11.47 10.40 NM 13.24 11.58 8.81 11.50 12.75 13.85	25.21 27.42 83.95 84.47 85.54 NM 82.70 84.36 87.13 84.44 83.19 82.09 82.34	3,400 2,524 NA NA 710 1,100 170 650 710 4,600 170 <50 700	550 556 NA NA NA 66 45 7 27 30 1,240 4 <5 20	13 10 NA NA 97 24 1 4 6 35 4 <5	NA NA NA 59 71 4 25 53 290 ND <5	16.0 NA NA 190 100 9 33 84 159 6 <5 35	NA NA NA NA NA 22 >0.5 8 1,291 ND <5 <5 <5 <5
	Dec-94  Dec-96  Apr-97  Dec-97  Jun-98  Sep-98  Dec-98  Mar-99  Jun-99  Aug-99  Nov-99  Feb-00  May-00  Nov-00	36.71 36.71 95.94 95.94 95.94 95.94 95.94 95.94 95.94 95.94 95.94 95.94 95.94 95.94	11.50 9.29 11.99 11.47 10.40 NM 13.24 11.58 8.81 11.50 12.75 13.85 13.60 13.80 14.87 12.55	25.21 27.42 83.95 84.47 85.54 NM 82.70 84.36 87.13 84.44 83.19 82.09 82.34 82.14 81.07 83.39	3,400 2,524 NA NA 710 1,100 170 650 710 4,600 170 <50 700 477 590 60	550 556 NA NA 66 45 7 27 30 1,240 4 <5 20 27 10.5 ND	13 10 NA NA 97 24 1 4 6 35 4 √5 15 13 5,94 ND	NA NA NA 59 71 4 25 53 290 ND <5 <5 9.5 ND	16.0 NA NA 190 100 9 33 84 159 6 <5 35 29.0 7.75 ND	NA NA NA NA 22 >0.5 8 1,291 ND <5 <5 ND
	Dec-94  Dec-96  Apr-97  Dec-97  Jun-98  Sep-98  Dec-98  Mar-99  Jun-99  Aug-99  Nov-99  Feb-00  May-00  Mar-01	36.71 36.71 95.94 95.94 95.94 95.94 95.94 95.94 95.94 95.94 95.94 95.94 95.94 95.94 95.94	11.50 9.29 11.99 11.47 10.40 NM 13.24 11.58 8.81 11.50 12.75 13.85 13.60 13.80 14.87 12.55 9.61	25.21 27.42 83.95 84.47 85.54 NM 82.70 84.36 87.13 84.44 83.19 82.09 82.34 82.14 81.07 83.39 86.33	3,400 2,524 NA NA 710 1,100 170 650 710 4,600 170 <50 700 477 590 60 273	550 556 NA NA 66 45 7 27 30 1,240 4 <5 20 27 10.5 ND 8.6	13 10 NA NA 97 24 1 4 6 35 4 <5 15 13 5.94 ND 2.1	NA NA NA 59 71 4 25 53 290 ND <5 <5 9.5 <5 ND 10	16.0 NA NA 190 100 9 33 84 159 6 <5 35 29.0 7.75 ND 14	NA NA NA NA NA 22 >0.5 8 1,291 ND <5 <5 <5 ND ND
	Dec-94  Dec-96  Apr-97  Dec-97  Jun-98  Sep-98  Dec-98  Mar-99  Jun-99  Aug-99  Nov-99  Feb-00  May-00  Aug-00  Nov-00  Mar-01  May-01	36.71 36.71 95.94 95.94 95.94 95.94 95.94 95.94 95.94 95.94 95.94 95.94 95.94 95.94 95.94 95.94	11.50 9.29 11.99 11.47 10.40 NM 13.24 11.58 8.81 11.50 12.75 13.85 13.60 13.80 14.87 12.55 9.61 11.15	25.21 27.42 83.95 84.47 85.54 NM 82.70 84.36 87.13 84.44 83.19 82.09 82.34 82.14 81.07 83.39 86.33 84.79	3,400 2,524 NA NA 710 1,100 170 650 710 4,600 170 <50 700 477 590 60 273 280	550 556 NA NA 66 45 7 27 30 1,240 4 5 20 27 10.5 ND 8.6 12	13 10 NA NA 97 24 1 4 6 35 4 4 5 15 13 5.94 ND 2.1 8.3	NA NA NA 59 71 4 25 53 290 ND <5 <5 9.5 <5 ND 10 3.3	NA NA 190 100 9 33 84 159 6 √5 35 29.0 7.75 ND 14 9.8	NA NA NA NA NA 22 >0.5 8 1,291 ND <5 <5 <5 ND ND 12
	Dec-94  Dec-96  Apr-97  Dec-97  Jun-98  Sep-98  Dec-98  Mar-99  Jun-99  Aug-99  Nov-99  Feb-00  May-00  Aug-00  Nov-00  May-01  Aug-01	36.71 36.71 95.94 95.94 95.94 95.94 95.94 95.94 95.94 95.94 95.94 95.94 95.94 95.94 95.94 95.94	11.50 9.29 11.99 11.47 10.40 NM 13.24 11.58 8.81 11.50 12.75 13.60 13.80 14.87 12.55 9.61 11.15 13.04	25.21 27.42 83.95 84.47 85.54 NM 82.70 84.36 87.13 84.44 83.19 82.09 82.34 82.14 81.07 83.39 86.33 84.79 82.90	3,400 2,524 NA NA 710 1,100 170 650 770 4,600 170 <50 700 477 590 60 273 280 NA	550 556 NA NA 66 45 7 27 30 1,240 4 <5 20 27 10.5 ND 8.6 12 NA	13 10 NA NA 97 24 1 4 6 35 4 <5 15 13 5.94 ND 2.1 8.3 NA	NA NA S9 71 4 25 53 290 ND <5 <5 9.5 <5 ND 10 3.3 NA	16.0 NA NA 190 100 9 33 84 159 6 √5 35 29.0 7.75 ND 14 9.8 NA	NA NA NA NA NA NA 1,291 ND <5 <5 <5 ND NA
	Dec-94  Dec-96  Apr-97  Dec-97  Jun-98  Sep-98  Dec-98  Mar-99  Aug-99  Nov-99  Feb-00  May-00  Aug-00  Nov-00  Mar-01  May-01  Aug-01  Nov-01	36.71 36.71 95.94 95.94 95.94 95.94 95.94 95.94 95.94 95.94 95.94 95.94 95.94 95.94 95.94 95.94	11.50 9.29 11.99 11.47 10.40 NM 13.24 11.58 8.81 11.50 12.75 13.85 13.60 13.80 14.87 12.55 9.61 11.15 13.04 13.48	25.21 27.42 83.95 84.47 85.54 NM 82.70 84.36 87.13 84.44 83.19 82.09 82.34 82.14 81.07 83.39 86.33 84.79 82.90 82.46	3,400 2,524 NA NA NA 710 1,100 170 650 710 4,600 170 <50 700 477 590 60 273 280 NA 300	550 556 NA NA 66 45 7 27 30 1,240 4 √5 20 27 10.5 ND 8.6 12 NA 7.9	NA NA 97 24 1 4 6 35 4 √5 15 13 5.94 ND 2.1 8.3 NA 26	NA NA NA 59 71 4 25 53 290 ND <5 <5 ND 10 3.3 NA 5.1	16.0 NA NA 190 100 9 33 84 159 6 <5 35 29.0 7.75 ND 14 9.8 NA 28.9	NA NA NA NA 22 >0.5 8 1,291 ND <5 <5 <5 ND
	Dec-94  Dec-96  Apr-97  Dec-97  Jun-98  Sep-98  Dec-98  Mar-99  Jun-99  Aug-99  Nov-99  Feb-00  May-00  May-01  Aug-01  Nov-01  Feb-02	36.71 36.71 95.94 95.94 95.94 95.94 95.94 95.94 95.94 95.94 95.94 95.94 95.94 95.94 95.94 95.94 95.94	11.50 9.29 11.99 11.47 10.40 NM 13.24 11.58 8.81 11.50 12.75 13.85 13.60 13.80 14.87 12.55 9.61 11.15 13.04 13.48 9.69	25.21 27.42 83.95 84.47 85.54 NM 82.70 84.36 87.13 84.44 83.19 82.09 82.34 82.14 81.07 83.39 86.33 84.79 82.90 82.46 86.25	3,400 2,524 NA NA NA 710 1,100 170 650 710 4,600 170 <50 700 477 590 60 273 280 NA 300 560	550 556 NA NA 66 45 7 27 30 1,240 4 <5 20 27 10.5 ND 8.6 12 NA 7.9 34	NA NA 97 24 1 4 6 35 4 √5 15 13 5.94 ND 2.1 8.3 NA 26 20	NA NA NA 59 71 4 25 53 290 ND <5 <5 ND 10 3.3 NA NA 5.1 32	16.0 NA NA 190 100 9 33 84 159 6 <5 35 29.0 7.75 ND 14 9.8 NA 28.9 37.3	NA NA NA NA 22 >0.5 8 1,291 ND <5 <5 <5 ND ND 12 NA ND <0.5
	Dec-94  Dec-96  Apr-97  Dec-97  Jun-98  Sep-98  Dec-98  Mar-99  Jun-99  Aug-99  Nov-99  Feb-00  May-00  Aug-01  May-01  Aug-01  Nov-01  Feb-02  May-02	36.71 36.71 95.94 95.94 95.94 95.94 95.94 95.94 95.94 95.94 95.94 95.94 95.94 95.94 95.94 95.94 95.94 95.94	11.50 9.29 11.99 11.47 10.40 NM 13.24 11.58 8.81 11.50 12.75 13.85 13.60 13.80 14.87 12.55 9.61 11.15 13.04 13.04 13.04 13.04 13.04 13.09	25.21 27.42 83.95 84.47 85.54 NM 82.70 84.36 87.13 84.44 83.19 82.09 82.34 82.14 81.07 83.39 86.33 84.79 82.90 82.46 86.25 84.95	3,400 2,524 NA NA 710 1,100 170 650 710 4,600 170 <50 700 477 590 60 273 280 NA 300 560 280	550 556 NA NA 66 45 7 27 30 1,240 4 <5 20 27 10.5 ND 8.6 12 NA 7.9 34 16	NA NA 97 24 1 4 6 35 4 4 5 15 13 5.94 ND 2.1 8.3 NA 26 20 3	NA NA NA 59 71 4 25 53 290 ND <5 <5 9.5 <5 ND 10 3.3 NA 5.1 32 7.6	16.0  NA  NA  190  100  9  33  84  159  6  <5  35  29.0  7.75  ND  14  9.8  NA  28.9  37.6	NA NA NA NA NA 22 >0.5 8 1,291 ND <5 <5 <5 ND ND 12 NA ND <0.5 <<2
	Dec-04  Dec-96 Apr-97 Dec-97 Jun-98 Sep-98 Dec-98 Mar-99 Jun-99 Aug-99 Nov-99 Feb-00 May-00 Aug-00 Nov-00 Mar-01 May-01 Aug-01 Nov-01 Feb-02 May-02 Jul-02	36.71 36.71 36.71 95.94 95.94 95.94 95.94 95.94 95.94 95.94 95.94 95.94 95.94 95.94 95.94 95.94 95.94 95.94 95.94	11.50 9.29 11.99 11.47 10.40 NM 13.24 11.58 8.81 11.50 12.75 13.85 13.60 13.80 14.87 12.55 9.61 11.15 13.04 13.48 9.69 10.99 13.24	25.21 27.42 83.95 84.47 85.54 NM 82.70 84.36 87.13 84.44 83.19 82.09 82.34 82.14 81.07 83.39 86.33 84.79 82.90 82.46 86.25 84.95 NC	3,400 2,524 NA NA 710 1,100 170 650 770 4,600 170 <50 700 477 590 60 273 280 NA 300 560 280 120	550 556 NA NA 66 45 7 27 30 1,240 4 <5 20 27 10.5 ND 8.6 12 NA 7.9 34 16 5.6	NA NA 97 24 1 4 6 35 4 5 15 13 5.94 ND 2.1 8.3 NA 26 20 3 <0.5	NA NA NA 59 71 4 25 53 290 ND <5 <5 9.5  ND 10 3.3 NA 5.1 32 7.6 0.61	16.0 NA NA 190 100 9 33 84 159 6 <5 35 29.0 7.75 ND 14 9.8 NA 28.9 37.3 7.6 0.53	NA NA NA NA NA NA 22 >0.5 8 1,291 ND <5 <5 <5 ND ND 12 NA ND 20 <0.5 <22 <2.0
	Dec-94  Dec-96  Apr-97  Dec-97  Jun-98  Sep-98  Dec-98  Mar-99  Aug-99  Nov-99  Feb-00  May-00  Aug-01  May-01  Aug-01  Nov-01  Feb-02  May-02  Oct-02	36.71 36.71 95.94	11.50 9.29 11.99 11.47 10.40 NM 13.24 11.58 8.81 11.50 12.75 13.85 13.60 13.80 14.87 12.55 9.61 11.15 13.04 13.48 9.69 10.99 13.24 NM	25.21 27.42 83.95 84.47 85.54 NM 82.70 84.36 87.13 84.44 83.19 82.09 82.34 82.14 81.07 83.39 86.33 84.79 82.90 82.46 86.25 84.95 NC	3,400 2,524 NA NA 710 1,100 170 650 710 4,600 170 <50 700 477 590 60 273 280 NA 300 560 280 120 NA	550 556 NA NA 66 45 7 27 30 1,240 4 √5 20 27 10.5 ND 8.6 12 NA 7.9 34 16 5.6 NA	13 10 NA NA 97 24 1 4 6 35 4 √5 13 5.94 ND 2.1 8.3 NA 26 20 3 √.5 NA	NA NA NA S9 71 4 25 53 290 ND <5 <5 ND 10 3.3 NA 5.1 32 7.6 0.61 NA	16.0 NA NA 190 100 9 33 84 159 6 <5 29.0 7.75 ND 14 9.8 NA 28.9 37.3 7.6 0.53 NA	NA NA NA NA NA 22 >0.5 8 1,291 ND <55 <5 ND ND ND 12 NA ND <0.5 V 20.5 V 20.5
	Dec-04  Dec-96 Apr-97 Dec-97 Jun-98 Sep-98 Dec-98 Mar-99 Jun-99 Aug-99 Nov-99 Feb-00 May-00 Aug-00 Nov-00 Mar-01 May-01 Aug-01 Nov-01 Feb-02 May-02 Jul-02	36.71 36.71 95.94	11.50 9.29 11.99 11.47 10.40 NM 13.24 11.58 8.81 11.50 12.75 13.85 13.60 13.80 14.87 12.55 9.61 11.15 13.04 13.48 9.69 10.99 13.24 NM 9.76	25.21 27.42 83.95 84.47 85.54 NM 82.70 84.36 87.13 84.44 83.19 82.09 82.34 82.14 81.07 83.39 86.33 84.79 82.90 82.46 86.25 84.95 NC NC	3,400 2,524 NA NA NA 710 1,100 170 650 710 4,600 170 <50 700 477 590 60 273 280 NA 300 560 280 120 NA	550 556 NA NA 66 45 7 27 30 1,240 4 √5 20 27 10.5 ND 8.6 12 NA 7.9 34 16 5.6 NA 32	NA NA 97 24 1 4 6 35 4 5 13 5 94 ND 2.1 8.3 NA 26 20 3 \$0.5 NA 5.7	NA NA NA NA 59 71 4 25 53 290 ND <5 <5 ND 10 3.3 NA 5.1 32 7.6 0.61 NA 25	16.0  NA  NA  190  100  9  33  84  159  6  <5  35  29.0  7.75  ND  14  9.8  NA  28.9  37.3  7.6  0.53  NA  14.10	NA NA NA NA NA 22 >0.5 8 1,291 ND <55 <5 ND ND 12 NA ND 12 NA ND 20.5  NA ND  V 0.5 V 2 V 0.5 V 2 V 0.6 V 2 V 0.7
	Dec-94  Dec-96  Apr-97  Dec-97  Jun-98  Sep-98  Dec-98  Mar-99  Jun-99  Aug-99  Nov-99  Feb-00  May-00  Aug-00  Nov-00  Mar-01  May-01  Aug-01  Nov-01  Feb-02  May-02  Jul-02  Oct-02  Jan-03	36.71 36.71 36.71 95.94	11.50 9.29 11.99 11.47 10.40 NM 13.24 11.58 8.81 11.50 12.75 13.85 13.60 13.80 14.87 12.55 9.61 11.15 13.04 13.48 9.69 10.99 13.24 NM 9.76 9.66	25.21 27.42 83.95 84.47 85.54 NM 82.70 84.36 87.13 84.44 83.19 82.09 82.34 82.14 81.07 83.39 86.33 84.79 82.90 82.46 86.25 84.95 NC NC	3,400 2,524 NA NA 710 1,100 170 650 710 4,600 170 450 60 273 280 NA 300 560 280 120 NA 700 280	550 556 NA NA 66 45 7 27 30 1,240 4 <5 20 27 10.5 ND 8.6 12 NA 7.9 34 16 5.6 NA 32 17	NA NA 97 24 1 4 6 35 4 4 5 15 13 5.94 ND 2.1 8.3 NA 26 20 3 \$\circ\$0.5 NA 5.7 1.5 C	NA NA NA 59 71 4 25 53 290 ND √5 √5 9.5 √5 ND 10 3.3 NA 5.1 32 7.6 0.61 NA 25 8	16.0  NA  NA  190  100  9  33  84  159  6  <5  35  29.0  7.75  ND  14  9.8  NA  28.9  37.3  7.6  0.53  NA  14.10  4.10	NA N
	Dec-94  Dec-96  Apr-97  Dec-97  Jun-98  Sep-98  Dec-98  Mar-99  Jun-99  Aug-99  Nov-99  Feb-00  May-00  Aug-00  Nov-00  Mar-01  May-01  Aug-01  Nov-01  Feb-02  May-02  Jul-02  Jul-03  May-03	36.71 36.71 95.94	11.50 9.29 11.99 11.47 10.40 NM 13.24 11.58 8.81 11.50 12.75 13.85 13.60 13.80 14.87 12.55 9.61 11.15 13.04 13.48 9.69 10.99 13.24 NM 9.76 9.66 12.30	25.21 27.42 83.95 84.47 85.54 NM 82.70 84.36 87.13 84.44 83.19 82.09 82.34 82.14 81.07 83.39 86.33 84.79 82.90 82.46 86.25 84.95 NC NC	3,400 2,524 NA NA 710 1,100 170 650 770 4,600 170 <50 700 477 590 60 273 280 NA 300 560 273 280 NA 300 500 273 280 NA 300 500 500 500 500 700 600 600 600 600 600 600 6	550 556 NA NA 66 45 7 27 30 1,240 4 <5 20 27 10.5 ND 8.6 12 NA 7.9 34 16 5.6 NA 32 17 19 C	NA NA 97 24 1 4 6 35 4 5 15 13 5.94 ND 2.1 8.3 NA 26 20 3 <0.5 NA 5.7 1.5 C 3.2	NA NA NA 59 71 4 25 53 290 ND <5 <5 9.5 <5 ND 10 3.3 NA 5.1 32 7.6 0.61 NA 25 8 0.58	16.0  NA  NA  190  100  9  33  84  159  6  <5  29.0  7.75  ND  14  9.8  NA  28.9  37.6  0.53  NA  14.10  0.89	NA NA NA NA NA NA 22 >0.5 8 1,291 ND <5 <5 ND ND 12 NA ND 12 NA ND <0.5 <2 <2.0 NA <42.0
	Dec-04  Dec-96 Apr-97 Dec-97 Jun-98 Sep-98 Dec-98 Mar-99 Jun-99 Aug-99 Nov-99 Feb-00 May-00 Aug-01 Nov-01 Nov-01 Feb-02 May-02 Jul-02 Oct-02 Jun-03 May-03 Jul-03	36.71 36.71 36.71 95.94	11.50 9.29 11.99 11.47 10.40 NM 13.24 11.58 8.81 11.50 12.75 13.85 13.60 13.80 14.87 12.55 9.61 11.15 13.04 13.48 9.69 10.99 13.24 NM 9.76 9.66	25.21 27.42 83.95 84.47 85.54 NM 82.70 84.36 87.13 84.44 83.19 82.09 82.34 82.14 81.07 83.39 86.33 84.79 82.90 82.46 86.25 84.95 NC NC	3,400 2,524 NA NA 710 1,100 170 650 710 4,600 170 450 60 273 280 NA 300 560 280 120 NA 700 280	550 556 NA NA 66 45 7 27 30 1,240 4 <5 20 27 10.5 ND 8.6 12 NA 7.9 34 16 5.6 NA 32 17	NA NA 97 24 1 4 6 35 4 4 5 15 13 5.94 ND 2.1 8.3 NA 26 20 3 \$\circ\$0.5 NA 5.7 1.5 C	NA NA NA 59 71 4 25 53 290 ND √5 √5 9.5 √5 ND 10 3.3 NA 5.1 32 7.6 0.61 NA 25 8	16.0  NA  NA  190  100  9  33  84  159  6  <5  35  29.0  7.75  ND  14  9.8  NA  28.9  37.3  7.6  0.53  NA  14.10  4.10	NA NA NA NA NA NA 22 >0.5 8 1,291 ND <5 <5 ND ND 12 NA ND <0.5 <2 <2.0 NA <2.0 <2.0
	Dec-94  Dec-96  Apr-97  Dec-97  Jun-98  Sep-98  Dec-98  Mar-99  Jun-99  Aug-99  Nov-99  Feb-00  May-00  Aug-01  May-01  Aug-01  Nov-01  Feb-02  May-02  Jul-02  Oct-02  Jan-03  May-03  Jul-03  Oct-03	36.71 36.71 36.71 95.94	11.50 9.29 11.99 11.47 10.40 NM 13.24 11.58 8.81 11.50 12.75 13.85 13.60 14.87 12.55 9.61 11.15 13.04 13.48 9.69 10.99 13.24 NM 9.76 9.66 12.30 13.38	25.21 27.42 83.95 84.47 85.54 NM 82.70 84.36 87.13 84.44 83.19 82.09 82.34 82.14 81.07 83.39 86.33 84.79 82.90 82.46 86.25 84.95 NC NC NC	3,400 2,524 NA NA 710 1,100 170 650 770 4,600 170 <50 700 477 590 60 273 280 NA 300 560 280 120 NA 700 280 340 210	550 556 NA NA 66 45 7 27 30 1,240 4 <5 20 27 10.5 ND 8.6 12 NA 7.9 34 16 5.6 NA 32 17 19 C 5.0 C	13 10 NA 97 24 1 4 6 35 4 √5 15 13 5.94 ND 2.1 8.3 NA 80 20 30 5.94 ND 2.1 8.3 8.4 8.5 8.4 8.5 8.5 8.6 8.7 8.7 8.7 8.7 8.7 8.7 8.7 8.7	NA NA NA S9 71 4 25 53 290 ND <5 <5 ND 10 3.3 NA 5.1 32 7.6 0.61 NA 25 8 0.58 <0.5	16.0 NA NA 190 100 9 33 84 159 6 <5 29.0 7.75 ND 14 9.8 NA 28.9 37.3 7.6 0.53 NA 14.10 0.89 <0.5	NA NA NA NA NA NA 22 >0.55 8 1,291 ND <55 <5 ND ND 12 NA ND <0.5 V2 V2.0 V2.0 V2.0 V2.0 V2.0 V2.0 V2.0
	Dec-94  Dec-96  Apr-97  Dec-97  Jun-98  Sep-98  Dec-98  Mar-99  Aug-99  Nov-99  Feb-00  May-00  Aug-01  May-01  Aug-01  Nov-01  Feb-02  May-02  Jul-02  Oct-02  Jan-03  May-03  Jan-04	36.71 36.71 36.71 95.94	11.50 9.29 11.99 11.47 10.40 NM 13.24 11.58 8.81 11.50 12.75 13.85 13.60 13.80 14.97 12.55 9.61 11.15 13.04 13.48 9.69 10.99 13.24 NM 9.76 9.66 12.30 13.38 NM	25.21 27.42 83.95 84.47 85.54 NM 82.70 84.36 87.13 84.44 83.19 82.09 82.34 82.14 81.07 83.39 86.33 84.79 82.90 82.46 86.25 84.95 NC NC NC	3,400 2,524 NA NA NA 710 1,100 170 650 7710 4,600 170 <50 700 477 590 60 273 280 NA 300 560 280 120 NA 700 280 340 210 NA	550 556 NA NA 66 45 7 27 30 1,240 4 √5 20 27 10.5 ND 8.6 12 NA 7.9 34 16 5.6 NA 32 17 19 C 5.0 C NA	13 10 NA 97 24 1 4 6 35 4 √5 15 13 5.94 ND 2.1 8.3 NA 26 20 3 √0.5 NA 5.7 1.5.7 1.5.2 √0.5 NA	NA NA NA NA 59 71 4 25 53 290 ND √5 √5 ND 10 3.3 NA 6.1 32 7.6 0.61 NA 25 8 0.58 √0.5 NA	16.0  NA  NA  190  100  9  33  84  159  6  <5  35  29.0  7.75  ND  14  9.8  NA  28.9  37.3  7.6  0.53  NA  14.10  0.89  <0.5  NA	NA NA NA NA NA 22 >0.5 8 1,291 ND <5 <5 ND ND 12 NA ND 20.5  V 0.5

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

Monitoring Well	Date	Top Of Casing Elevation (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 <sup>1</sup> EPA 8260B (µg/L)
MW-12	Nov-99	94.84	13.20	81.64	80	<5	<5	<b>&lt;</b> 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	<b>&lt;</b> 5	<b>&lt;</b> 5	185
ļ	Nov-00	94.84	12.05	82.79	1,010	9.3	19.0	ND	7.40	215
	Mar-01	94.84	9.04	85.60	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
ŀ	Nov-01 Feb-02	94.84 94.84	12.76	82.08	3,000	81	69	13	73	120
	May-02	94.84	8.78 10.26	86.06	2,500	77	<0.5	5.7	7.4	95 04
	Jul-02	36.84	10.93	84.58 25.91	2,700	74 57	<0.5 <0.5	20 11	5.1	94 100
	Oct-02	36.84	13.13	23.71	2,200 2,600	71	<0.5	√0.5	2.6 10,3	84
ŀ	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
1	Oct-03	36.84	12.50	24.34	2200 H	31 C	<0.5	<0.5	3.5 C	49
ſ	Jan-04	36.84	9.56	27.28	1,700	24 C	14 C	3	5.00	72
i	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
FDC I	F-L 00	07.10	45.40	04.70		114		51.A	CONTROL CONTRO	
FDC	Feb-00 May-00	97.10 97.10	15.40 12.41	81.70	NA	NA NA	NA NA	NA NA	NA	NA NA
	Aug-00	97.10 97.10	15.70	84.69 81.40	NA NA	NA NA	NA NA	NA NA	NA NA	NA NA
	Nov-00	97.10	16.85	80.25	NA NA	NA NA	NA NA	NA NA	NA NA	NA NA
ľ	Mar-01	97.10	9.39	87.71	NA NA	NA.	NA NA	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
Į.	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 Jul-02	97.10	10.36	86.74	NA	NA	NA	NA NA	NA	NA NA
ŀ	Oct-02	39.35 39.35	11.93 13.74	27.42 25.61	NA NA	NA NA	NA NA	NA NA	NA NA	NA NA
ŀ	Jan-03	39.35	15.18	24.17	NA NA	NA NA	NA NA	NA NA	NA NA	NA NA
	May-03	39.35	16.20	23.15	NA.	NA NA	NA.	NA	NA.	NA.
i	Jul-03	39.35	16.45	22.90	NA	NA	NA	NA ·	NA	NA
L	Oct-03	39.35	16.53	22.82	NA	NA	NA	NA :	NA	NA
	Jan-04	39.35	13.74	25.61	NA	ÑA	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	NA I	NA
i	Dec-04	39.35	14.56	24.79	NA	NA	NA	NA .	NA	NA
FDE I	***************************************	97.90		94.60	N A	hi •	N/A	N/A	NI A	614
THE	May-00 Aug-00	97.90 97.90	13.22 NM	84.68 NM	NA NA	NA NA	NA NA	NA NA	NA NA	NA NA
i	Nov-00	97.90	12.75	85.15	NA NA	NA NA	NA NA	NA NA	NA NA	NA NA
ŀ	Mar-01	97.90	9.14	88.76	NA.	NA NA	NA NA	NA NA	NA NA	NA.
1	May-01	97.90	13.05	84.85	NA NA	NA.	NA.	NA NA	NA.	NA
1	Aug-01	97.90	13.69	84.21	NA.	NA	NA	NA T	NA	NA.
1	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.
l	May-02	97.90	11.18	86.72	NA	NA	NA	NA NA	NA	NA NA
l	Jul-02 Oct-02	40.06 40.06	12.81	27.25	NA NA	NA NA	NA NA	NA NA	NA NA	NA NA
ŀ	Jan-03	40.06	14.53 13.13	25.53 26.93	NA NA	NA NA	NA NA	NA NA	NA NA	NA NA
l	May-03	40.06	11.79	28.27	NA NA	NA NA	NA NA	NA NA	NA NA	NA NA
l	Jul-03	40.06	13.10	26.96	NA NA	NA NA	NA NA	NA NA	NA.	NA NA
l	Oct-03	40.06	13.85	26.21	NA NA	NA NA	NA NA	NA NA	NA.	NA.
ľ	Jan-04	40.06	13.27	26.79	NA	NA	NA	NA	NA	NA
l	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	NA
ı	Dec-04	40.06	14.25	25.81	NA	NA	NA	NA	NA	NA

LAST DIRECTIVE 7/24/00 (CHAN)
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Table 1 Historical Groundwater Elevation Data & Analytical Results 3609 International Boulevard, Oakland, California

Monitoring Well	Date	Top Of Casing Elevation (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)
FDW	May-00	96.90	12.20	84,70	NA	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	NA
	May-01	96.90	13.50	83.40	NA	NA	NA	NA NA	NA	NA
	Aug-01	96.90	13.08	83.82	NA	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
l	Oct-03	39.16	13.48	25.68	NA.	NA	NA	NA	NA	NA
- 1	Jan-04	39.16	13.58	25.58	NA	NA	NA	NA	NA	NΑ
1	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

# Notes:

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

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

Heavier hydrocarbons may have contributed to the quantitation. С

Not Analyzed

ND, < : Not Detected above laboratory reporting limits.

NS: Not Surveyed.

Y: Sample exhibits fuel pattern which does not resemble standard.

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.

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.

NM: Not Measured

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

FDW: French drain west riser

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

		Meter	Lab Results	For Effluent	and GAC-1			
		Reading	(concentrati	<del>, v /</del>				
Month	Date	(gallons)	MtBE <sup>2</sup>	TPH-g	Benzene	Toluene	Ethylbenzene	Total Xylenes
December	12/6/2004	2,667,620	<0.5	<50	<0.5	<0.5	<0.5	<1.0
			<0.5	<50	<0.5	<0.5	<0.5	<1.0
November	11/8/2004	2,631,600	<0.5	<50	<0.5	<0.5	<0.5	<0.5
			<0.5	<50	<0.5	<0.5	<0.5	<0.5
October	10/13/2004	2,606,420	< 2.0	< 50	<0.5	<0.5	<0.5	<0.5
		_,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	<2.0	<50	<0.5	<0.5	<0.5	<0.5
شائد المستدانة		and the second second	The state of the s					
September	9/13/2004	2,594,390	< 2.0	< 50	<0.5	<0.5	<0.5	<0.5
			< 2.0	< 50	<0.5	<0.5	< 0.5	<0.5
August	8/25/2004	2,586,010		· .	55 Gallon Dr	um Change	ed Out	
	0.01000	0.504.055						
	8/9/2004	2,581,250	< 2.0	< 50	<0.5	<0.5	<0.5	<0.5
			< 2.0	< 50	<0.5	<0.5	<0.5	<0.5
July	7/13/2004	2,568,830	< 2.0	< 5()	< 0.5	<0.5	<0.5	<0.5
,		_,,,	< 2.0	< 50	<0.5	<0.5	<0.5	< 0.5
	7/21/2004	2,564,710			55 Gallon Dr	um Change	ed Out	***
June	6/14/2004	2,549,470	< 2.0	< 50	<0.5	<0.5	<0.5	<0.5
			< 2.0	< 50	<0.5	<0.5	<0.5	<0.5
May	5/26/2004	2,530,000	Carbon	Change-out	of 2000 lb v	hassal and	<u>l</u> 55 gallon polist	ning vessel
Way	0,20,200.4	2,500,000	Carbon	Officinge out	0, 2000 15 1	roopor ana t	oo gallon polloi	ing roots
	5/10/2004	2,488,760	:	Semi Annua	Treatment	System Me	eting With Ebn	nud
	5/17/2004	2,518,910	Rep	laced 55-gal	lon polishing	vessel and	d restarted the	system
	E/E/0004	0.500.050				55 O-#	Daves Obsessed	10.4
	5/5/2004	2,500,650		arbon Chang	ged Out and	55 Gallon	Drum Changed	1 Out
	5/3/2004	2,497,350	< 2.0	< 50	<0.5	<0.5	<0.5	<0.5
ļ			< 2.0	< 50	<0.5	<0.5	<0.5	<0.5
April	4/15/2004	2,436,190	< 5.0	< 50	< 5.0	< 5.0	< 5.0	< 5.0
Дрпі	4/15/2004	2,430,180	< 5.0 <5.0	< 50 < 50	< 5.0 < 5.0	< 5.0 < 5.0	< 5.0 < 5.0	< 5.0 < 5.0
	n n govern			1.3				
March	3/17/2004	2,376,200	Carbon	Change-out	of 2000 lb v	essel and !	55 gallon polish	ning vessel
February	2/24/2004	2,276,770	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
			<5.0	< 50	< 5.0	< 5.0	< 5.0	< 5.0
January	1/27/2004	2,165,220	< 5.D	< 50	< 5.0	< 5.0	< 5.0	< 5.0
January	112112004	2,100,220	< 5.0 < 5.0	< 50 < 50	< 5.0	< 5.0	< 5.0	< 5.0 < 5.0
			~3.0	> 50	~ 3.0	` 3.0	~ 5.0	~ 3.0
	1/13/2004	2,116,720	< 5.0	< 50	< 5.0	< 5.0	< 5.0	< 5.0
l		_, -, -, -,	<5.0	< 50	< 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

	<u></u>	Meter	Lab Results	For Effluent	and GAC-1	I		
		Reading	(concentrati	ions in ug/L)				
Month	Date	(gallons)	MtBE 2	TPH-g	Benzene	Toluene	Ethylbenzene	Total Xylenes
2. U 7. 4. 4		O Salvani				11.5	127.47.17.17	TWO CA
December	12/8/2003	2,092,330	< 5.0	< 50	< 5.0	< 5.0	< 5.0	< 5.0
			<5.0	< 50	< 5.0	< 5.0	< 5.0	< 5.0
November	11/17/2003	2,087,670	< 5.0	< 50	< 5.0	< 5.0	< 5.0	< 5.0
MOVELLIDEL	11/1//2003	2,007,070	<5.0	< 50	< 5.0	< 5.0	< 5.0	< 5.0
<u> </u>			13.0	* 50	10,0	- 0.0	1 0.0	- 0.0
	11/3/2003	2,079,460	< 5.0	< 50	< 5.0	< 5.0	< 5.0	< 5.0
			<5.0	< 50	< 5.0	< 5.0	< 5.0	< 5.0
	45/45/5556							
October	10/13/2003	2,073,060	5.3	< 50	< 5.0	< 5.0	< 5.0	< 5.0
			<5.0	< 50	< 5.0	< 5.0	< 5.0	< 5.0
	10/1/2003	2,072,610	Carbon	Change-out	of 2000 lb v	essel and	55 galion polisi	ning vessel
Angle of the American April		5			regregation of		a tig harasiyasi	Provident Co.
September	9/15/2003	2,056,910	<5.0	< 50	< 5.0	< 5.0	< 5.0	< 5.0
			6	< 50	< 5.0	< 5.0	< 5.0	< 5.0
	9/2/2003	2,040,040	<5.0	< 50	< 5.0	< 5.0	< 5.0 < 5.0	< 5.0
			<5.0	< 50	< 5.0	< 5.0	< 5.0	< 5.0
August	8/19/2003	2,021,040	<5.0	< 50	< 5.0	< 5.0	< 5.0	< 5.0
, agest		2,02.,070	<5.0	< 50	< 5.0	< 5.0	< 5.0	< 5.0
			Ĺ					
July	7/21/2003	1,995,240	< 5.0	< 50	< 5.0	< 5.0	< 5.0	< 5.0
			40	< 50	< 5.0	< 5.0	< 5.0	< 5.0
	7/9/2003	4 000 000	150	. 53	450	< 5.0	< 5.0	< 5.0
	11912003	1,990,260	< 5.0 36	< 50 < <b>50</b>	< 5.0 < 5.0	< 5.0	< 5.0	< 5.0 < 5.0
			00		- 0.0	0.0	0.0	
June	6/18/2003	1,978,560	Carbon	Change-out	of 2000 lb v	essel and	55 gallon polisl	ning vessel
				<del>, </del>				
	6/10/2003	1,972,780	< 5.0	< 50	< 5.0	< 5.0	< 5.0	< 5.0
			< 5.0	< 50	< 5.0	< 5.0	< 5.0	< 5.0
May	5/21/2003	1.951.830	< 5.0	< 50	< 5.0	< 5.0	< 5.0	< 5.0
I WILLY	0,21,2000	1,001,000	< 5.0	< 50	< 5.0	< 5.0	< 5.0	< 5.0
	5/1/2003	1,918,270	< 5.3	< 50	< 50	< 5.0	< 5.0	< 5.0
			< 5.0	< 50	< 5.0	< 5.0	< 5.0	< 5.0
April	4/44/2002	1,882,440		- 50	-50	- C O	< 5.0	< 5.0
Apni	4/11/2003	1,082,440	< 5.0 < 5.0	< 50 < 50	< 5.0 < 5.0	< 5.0 < 5.0	< 5.0 < 5.0	< 5.0 < 5.0
			- 0.0		- 0.0	1 0.0	0.0	- B.G
March	3/19/2003	1,846,490	< 5.0	< 50	< 5.0	< 5.0	< 5.0	< 5.0
		.,	< 5.0	< 50	< 5.0	< 5.0	< 5.0	< 5.0
February	2/25/2003	1,804,960	replace	d 55-gallon	polishing ve	ssel with ne	ew 55 gallon ca	irbon drum
<u> </u>				1		г · · · ·	<del></del>	
<b>-</b>	2/19/2003	1,791,720	< 5.0	< 50	< 5.0	< 5.0	< 5.0	< 5.0
	2/10/2000	1,101,120	< 5.0	< 50	< 5.0	< 5.0	< 5.0	< 5.0
			<u> </u>					
January	1/27/2003	1,733,500	< 5.0	< 50	< 5.0	< 5.0	< 5.0	< 5.0
ļ		<u> </u>	< 5.0	< 50	< 5.0	< 5.0	< 5.0	< 5.0
	41010000	4.035.000						
	1/2/2003	1,675,600	< 5.0 < 5.0	< 50	< 5.0 < 5.0	< 5.0 < 5.0	< 5.0 < 5.0	< 5.0 < 5.0
	I	L	~ 0.0	< 50	> 0.0	> 5.0	_ \ \J.U	\ J.U

Table 2

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

_		Meter	Lab Basulta	For Effluent	and GAC 1			
	<del>                                     </del>	Reading		ions in ug/L)	and GAC-1		·	
Month	Date	(gallons)	MtBE 2	TPH-g	Benzene	Toluene	Ethylbenzene	Total Xylenes
							1	
	12/10/2002							< 5.0
December	12/10/2002	1,672,870	< 5.0	< 50	< 5.0	< 5.0	< 5.0	
	<del> </del>	<b></b>	< 5.0	< 50	< 5.0	< 5.0	< 5.0	< 5.0
November	11/22/2002	1,668,650	< 5.0	< 50	< 5.0	< 5.0	< 5.0	< 5.0
1101011111111	11/22/2002	1,000,000	< 5.0	< 50	< 5.0	< 5.0	< 5.0	< 5.0
		<del></del>	V 0.0	\ 00	1,5.0	· 0.0	- 0.0	10.0
11	11/13/2002	1,664,780	replaced	gasket on to	p of 2000 lb	GAC vess	sel, slight leak	was detected
		.,		<b>4</b>				
	11/7/2002	1,663,880	Carbon	Change-out	t of 2000 lb v	essel and	55 gallon polis	hing vessel
October	10/16/02 <sup>3</sup>	1,661,590	< 310	2.000 Y Z	< 310	< 310	< 310	< 310
Octobel	10/10/02	1,001,590	< 0.5	< 50	< 0.5	< 0.5	< 0.5	< 0.5
the property and the second			. 0.0	1 . 30	10.0		14.347,347	
September	9/19/2002	1,653,600	< 5	< 50	< 5	< 5	< 5	< 5
Soptombo.	0,10,2002	1,000,000	< 5	< 50	< 5	< 5	< 5	< 5
	-	1	- 0	1,00			1	
August	8/23/2002	1,641,650	1	< 50	< 0.5	< 0.5	< 0.5	< 0.5
	J/25/2522	1,571,000	< 0.5	< 50	< 0.5	< 0.5	< 0.5	< 0.5
		<b> </b>	- 5.0				0.0	
July	7/23/2002	1,632,834	<5.0	< 50	<5.0	<5.0	<5.0	<5.0
,		,,	< 5.0	< 50	< 5.0	< 5.0	< 5.0	< 5.0
	The second second	to the second of			raky zan	1		
June	6/24/2002	1,610,050	1.7	< 50	< 0.5	< 0.5	< 0.5	< 0.5
		.,,	< 0.5	< 50	< 0.5	< 0.5	< 0.5	< 0.5
May	5/30/2002	1,571,630	< 0.5	< 50	< 0.5	< 0.5	< 0.5	< 0.5
•		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	< 0.5	< 50	< 0.5	< 0.5	< 0.5	< 0.5
	5/20/2002	1,548,000	remove	ed newly inst	talled compre	essor, insta	alled another c	ompressor
	5/8/2002	1,538,850				ew compre		
	5/1/2002	1,529,650		inst	alled new 55	gallon GA	C Vessel	
April	4/24/2002	1,528,740	< 0.5	< 50	< 0.5	< 0.5	< 0.5	< 0.5
			< 0.5	< 50	< 0.5	< 0.5	< 0.5	< 0.5
	4/1/2002	1,478,500		repaired	valve plate	assembly o	on compressor	
								·
March	3/25/2002	1,478,420					reatment syste	em
	3/18/2002	NR	replaced piston on compressor					
	3/14/2002	1,478,330		con	pressor not	building up	pressure	· · · · · · · · · · · · · · · · · · ·
	0.07:000	4 44						
February	2/27/2002	1,449,830	< 0.5	< 50	< 0.5	< 0.5	< 0.5	< 0.5
			1.1	< 50	< 0.5	< 0.5	< 0.5	< 0.5
1	4 100 1000	1						
January	1/22/2002	1,381,370	< 2.0	< 50	< 0.5	< 0.5	< 0.5	< 0.5
			< 2.0	< 50	< 0.5	< 0.5	< 0.5	< 0.5

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

		Meter	Lab Results	For Effluent	and GAC-1			
		Reading		ions in ug/L)			<u> </u>	
Month	Date	(gailons)	MtBE 2	TPH-g	Вепхепе	Toluene	Ethylbenzene	Total Xylenes
	MAN CONTRACTOR				1		10000	
December	12/12/2001		ND	ND	ND	ND	ND	ND
December	12) 12)2001	1,011,040	ND	ND.	ND ND	ND	ND	ND
			1112	, ND	1115	110	112	110
November	11/2/2001	1,272,660	ND	ND	ND	ND	ND	ND
NOVELLIBEL	711212001	1,272,000	0.6	ND	ND	ND	ND I	ND
	a compression						a Politica	
September	9/28/2001		ND	ND	ND ND	МD	ND	ND
Coptombol	3,20,2001	14/3	ND	ND	ND ND	ND	ND	ND
	<del></del>		112	1,15	145	110	''	112
August	8/22/2001	1,243,100	CN	N13	ND	NO	CN	ND
Logoci	J. 222,200.	1,210,100	ND	ND	ND	ND	ND	ND
	<u> </u>		<del></del>	1,10	1,10	,,,,	<u> </u>	,,,,,
July	7/26/2001	1,227,270	ND	ND	ND	CN	CN	ND
,	,	,	ND	ND	ND ND	ND	ND	ND
	7/11/2001	1,226,730	NA	NA	NA.	NA	NA	NΑ
		,,,	NA	NA	NA	NA	NA	NA
	the second of the second	977 - 1397 <b>35</b> 9	2 AM 1977		744C	41 d 31 (4)		
June	6/29/2001	1,224,600	NA	NΑ	NA	NA	NA	NA
		1,522.,000	ND	ND	ND	ND	ND	ND
	6/26/2001	NR	ssor					
	6/16/2001	1,216,580	NA	NA	NA NA	NA	NA.	NΑ
		.,	NA	NA	NA	NA	NA	NA
				<del></del>			ed compressor	
	6/7/2001	1,216,580	NA	NA.	NA	NA	NA	NA
		1,= 11,111	NA	NA	NA	NA	NA	NA
				1	1			
May	5/30/2001	1,205,198	NA	NA	NA	NA	NA	NA
Ť			NA	NA	NA	NA	NA	NA
	5/23/2001	1,194,390	NA	NA	NA	NA	NA	NA
			NA	NA	NA NA	NA	NA	NA
	5/17/2001	1,182,360	CM	ND	ND	ND	CN	ND
			ND	ND	ND	ND	ND	ND
	5/10/2001	1,166,850	N,A	NA	NA	NΑ	NA	NA
			NA	NA	NA	NA	NA	NA
	5/5/2001	1,151,600	NA	NA	NA	NA	NA	NA
			NA	NA	NΑ	NA	NA	NA
April	4/28/2001	1,135,690	NA	NA	NA	NA	NA	NA
			NA	NA	NA	NA	NA NA	NA
	4/21/2001	1,113,570	NA	NĄ	NA	NA	NA	NA
			NA	NA	NA	NA	NA NA	NA.
	4/11/2001	1,082,700	NA	ND	ND	ND	ND	ND
			ND	ND	ND	ND	ND	ND
	4/6/2001	1,065,540	NA	NA	NA	NA	NA	NA
			NA	NA	NA	NA	NA NA	NA .

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

	<u> </u>	Meter	Lab Results	For Effluent	and GAC-1			
		Reading	(concentrati	ons in ug/L)				
Month	Date	(gallons)	MtBE 2	TPH-g	Benzene	Toluene	Ethylbenzene	
					A 10 10 A			
March	3/29/2001	1,036,330	NA	NA	NA	NA	NA NA	NA
[			NA	NA	NA .	NA NA	NA NA	NA
	0.04.0004	4 000 070		T via	_	/as re-starte		
	3/21/2001	1,036,070	NA	NA NA	NA NA	NA	NA NA	NA NA
			NA	NA .	NA belt replace	NA donosmor	NA NA	NA
	3/17/2001	1,035,100	NA	NA	NA NA	NA	NA NA	NA
	0/11/2001	1,000,100	NA	NA.	NA NA	NA	NA NA	NA
	3/13/2001	1,032,500	ND	ΝD	ND	ND	ND	ND
		, ,	NA	NA	NA	NA	NA	NA
	3/2/2001	996,520	NA	NA	NA	NA	NA	NA
			NA	NA	NA NA	NA	NA	NA
	3/1/2002	NR		system	re-started a	after carbon	change-out	
	<del> </del>							
February	2/28/2002	NR	arbon Char		performed o ed 2000 lb G		vashed algae f	rom holding ta
			ŀ	clean	80 XVVV ID C	AC, IE-Stai	ieu sysiem	
	2/10/2001	975,490	<b></b>	System st	ut down for	maintenand	ce and cleaning	O
		0,0,.00		O y O l O l l l l l l l l l l l l l l l		.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		<b>.</b>
January	1/29/2001	957,880	ND	ND	ND	ND	ДИ	ND
	1		ND	ND	ND :	ND	ND	ND
				\$3.25				
December	12/5/2000	883,000	ND	ND	ND	ИD	ND	ND
			ND	ND	ND	ND	ND	ND
	144545555				7.72			
November	11/24/2000	NR	GN	ND	ND	ND ND	ND	ND
<del></del>	11/1/2000	842,000	ND No	ND ND	ND ND	ND ND	ND ND	ND ND
	11/1/2000	042,000	ND ND	ND	ND	ND ND	ND ND	ND ND
100	1.0	T	110		110			7
October	10/1/2000	809,000	GN	ND	NC	ND	ND	ND
	1	000,000	ND	ND	ND	ND	ND	ND
August	8/27/2000	781,000	ND	ND	ND	ND	ND	ND
	8/24/2000	778,000		Totalize	er meter rep	aced at 77	,000 gallons	
July	7/26/2000	726,000	GN	ND	ND ND	ND NO	ND ND	ND
	7/19/2000 7/13/2000	718,000 712,000	ND NO	ND NO	ND ND	ND ND	ND ND	ND ND
	7/7/2000	706,000	ND ND	ND ND	ND NC	ND ND	ND ND	ND ND
r unner	17172000	700,000			,10	14,5		140
June	6/29/2000	700,000	ND	NO	NO	ND	ND	ND
	6/21/2000		ND	ND	ND	ND	ND	ND
	6/16/2000	669,720	ND	ND	ŅD	ND	ND	ND
	6/10/2000	651,200	ND	ND	QN	ND	ND	ND
							ļ	
May	5/31/2000	629,000	ND	ND	NO	ND_	ND	ND
<u> </u>	5/23/2000	603,700	ND	ND UD	ND CN	ND	ND	ND
<u> </u>	5/18/2000	570,000	ND	ND CN	ND ND	ND ND	ND ND	ND ND
<del> </del>	5/10/2000	530,400	ND	ND	<u>QN</u>	ND	ND	ND
April	4/30/2000	488,300	ND	ND	ND	ND	ND	ND
7 42111	4/18/2000	485,300	ND ND	NO	ND	ND	ND	0.51
	47.1072000	400,000					n until April 29	
	4/10/2000	440,200	ND	ND	ND	ND	ND ND	ND ND
	4/4/2000		ND	ND	ND	ND	ND	ND
· · · · · · · · · · · · · · · · · · ·	4/2/2000	NR	<u> </u>				ut on GAC-1	

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

		Meter	Lab Results	For Effluent	and GAC-1			
		Reading	(concentration	ons in ug/L)				
Month	Date	(gallons)	MtBE 2	TPH-g	Benzene	Toluene	Ethylbenzene	Total Xylenes
					** ** *** ****	#44.70A	A A A	872W 575
March	3/31/2000	NR	replace	ed GAC-2 w	ith a special	GAC desig	ned for remova	al of MtBE
	3/24/2000	388,000	ND	ND	ND	ND	MD [	ND
	3/17/2000	357,100	ND	ND	ND	CM	ND	ND
	3/10/2000	329,000	ND	NĐ	ND	ND	NО	ND
	3/3/2000	300,000	trans	sfer overhea	ted, repaired	d pump, res	started system	3/6/00
February	2/25/2000	274,000	ND	ND	ND	NO	ND	ND
	2/18/2000	233,000	NO	ND	QN	ND	ND)	ND
	2/11/2000	190,000	ND	ND	ND	ND	ND	ND
	2/4/2000	160,800	ND	NO	υυ	NΩ	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 replace	d with 2,00	0 lb GAC unit	
		<u> </u>	seco	ond polishing	g GAC was i	eplaced wi	th 55 gallon G/	AC unit
	1/14/2000	83,500	185	NO.	NO	ND	ND	ND
				C#35.03 (88)	混糖 [200] [6		然 收货净收	
December	12/23/1999	51.680	1486	NA	ND.	ND	ND	ND
			ND	NA	ND	ND	ND	ND
	12/16/1999	30,450	963	NΑ	ND	ND	ND	ND
		, , , , , , , , , , , , , , , , , , ,	ND	NA	ND	ND	ND	ND
	12/9/1999	9,000	230	NO	GN	ND	ND	ND
	-	P	umpina bea	an on Decer	nber 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 Vapor Extraction System

3609 International Boulevard, Oakland, California

		PID (	opmv)	Flow Rate	Time Elapsed	Air Flow	Mass Removed <sup>1</sup>
Date	Time	Influent	Effluent	(ft^3/min)	(Hours)	(Liters)	(Pounds)
7/24/2000	5:00	394	٥	85	0	0	0.00
7/25/2000	5:15	38	2	95	24	3,914,096	1,01
7/26/2000	5:05	207	1	80	48	3,228,121	4,52
7/27/2000	9:00	160	5	92	64	2,500,944	2.71
7/28/2000	4:30	141	7	87	96	4,656,139	4.44
7/29/2000	1:30	225	8	85	117	3,032,734	4.62
7/30/2000	9:00	226	12	85	136	2,816,110	4.31
7/31/2000	3:00	141	5	85	166	4,332,478	4.13
8/1/2000	5:00	135	4	80	192	3,533,942	3.23
8/2/2000	4:00	80	4	80	215	3,126,180	1,69
8/3/2000	5:00	60	5	85	240	3,610,398	1.47
8/4/2000	3:00	57	4	85	262	3,177,150	1,23
8/5/2000	2:00	97	8	87	285	3,399,721	2.23
8/6/2000	12:00	114	8	80	307	2,990,259	2.31
8/7/2000	12:00	93	9	85	331	3,465,982	2.18
8/8/2000	4:30	152	10	85	360	4,115,854	4.23
8/10/2000	10:00	173	1	85	377	2,527,279	2.96
8/11/2000	7:00	78	4	70	410	3,924,715	2.07
8/12/2000	9:00	100	6	70	424	1,665,031	1.13
8/13/2000	5:00	107	9	70	456	3,805,784	2.75
8/14/2000	12:30	122	5	70	476	2,319,150	1.91
8/15/2000	6:00	103	12	70	505	3,508,457	2.44
8/16/2000	12:30	112	0	70	524	2,200,219	1.67
8/18/2000	9:00	90	0	75	568	5,670,449	3.45
8/21/2000	12:00	74	5	80	643	10,194,065	5.10
8/24/2000	12:00	68	13	80	712	9,378,540	4.31
8/27/2000	12:30	68.5	2	80	785	9,854,263	4.57
8/31/2000	1:30	52	6	80	882	13,184,324	4.64
9/4/2000	12:30	54	5	60	977	12,912,482	4.72
9/7/2000	12:00	55	3	80	1,048	9,718,342	3.62
9/11/2000	4:30 <sup>2</sup>	141	0	80	1,149	13,660,047	13.03
9/14/2000	9:30	56	5	80	1,214	8,834,856	3.35
9/18/2000	2:00	46	9.5	80	1,314	13,660,047	4.25
9/18/2000	4:30 <sup>8</sup>	34	0	80	1,317	339,802	0.08
9/21/2000	4:30	43	1	80	1,389	9,786,302	2.85
9/25/2000	5:30	55	6	80	1,486	13,184,324	4.91
9/28/2000	9:00	47.5	7.5	80	1,550	8,766,896	2.82
	and the second						

Table 3

Total Mass of Petroleum Hydrocarbons Removed by Vapor Extraction System
3609 International Boulevard, Oakland, California

<u> </u>		PID (ppmv)		Flow Rate	Time Elapsed	Air Flow	Mass Removed 1
Date	Time	Influent	Effluent	(ft^3/min)	(Hours)	(Liters)	(Pounds)
10/1/2000	1:00	38.5	6	80	1,626	10,329,986	2.69
10/5/2000	3:00⁴	28.5	3	80	1,724	13.320,245	2.57
10/5/2000	5:00	36	0	80	1,726	271,842	0.07
10/8/2000	3:00	28,5	3	80	1,796	9,514,460	1.83
10/14/2000	3:00	24.5	2.5	80	1,940	19,572,604	3.24
10/17/2000	2:00	36.5	3.5	80	2,011	9,650,381	2.38
10/20/2000	8:30	18.5	3.5	80	2,078	9,038,737	1.13
10/25/2000	2:00	38	3.7	80	2,203	17,058,068	4.39
10/29/2000	10:00	35	4	80	2,295	12,504,719	2.96
11/2/2000	4:00	30.5	4	80	2,397	13,863,928	2.86
11/7/2000	4:00	30	6	80	2,517	16,310,504	3.31
11/19/2000	12:00	92.7	5.5	80	2,801	38,601,525	24.20
11/24/2000	13:30	25	6.5	80	2,923	16,514,385	2.79
11/29/2000	15:00	14.5	3.5	80	3,044	16,514,385	1.62
12/4/2000	16:30	10.7	1	80	3,190	19,776,486	1.43
12/13/2000	15:30	24	3	80	3,405	29,222,986	4.74
12/28/2000	14:30	10	6	85	3,764	51,845,314	3.51
				2001			
1/4/2001 <sup>5</sup>	14:00	8.7	3.7	85	3,907	20,723,684	1.22
8/8/2001	15:00	217	0	85	3,907	0	0
9/6/2001	12:00	85	0	85	4,048	20,362,644	11.71
9/13/2001	16:00	186	8	85	4,220	24,839,538	31.26
9/18/2001	15:00	184	9	85	4,344	17,907,574	22.29
9/21/2001 <sup>6</sup>					4,344	0	0
10/12/01 7					4,344	0	0
10/23/2001	17:00	114	58	87	4,344	0	0
10/25/01 4	15:00	133	0	85	4,390	6,643,132	5.98
10/29/2001 <sup>8</sup>	13:20	569	٥	85	4,485	13,647,304	52.53
11/7/2001	15:30	177	0	87	4,679	28,675,904	34.34
11/16/2001	15:00	117	0	87	4,894	31,853,904	25.21
11/21/01 <sup>9</sup>	12:00	85	72	87	5,011	17,294,231	9.94
				2002			
2/15/02 <sup>10</sup>	16:30	49	0	80	5,011.5	67,960	0.02
2/16/2002	15:45	50	٥	80	5,035	3,160,160	1.07
2/21/2002	16:00	37	4	80	5,155	16,344,484	4.09
2/27/2002	10:30	11	0	83	5,294	19,530,979	1.45
3/7/02 11	12:20	10		80	5,488	26,429,812	1.79
6/12/2002 12	16:15	53	2	75	NA	NA	NA
6/17/2002	11:00	28	2	80	114.75	15,593,148	0.96
6/24/2002	11:20	24	3.1	80	168.33	22,866,400	1.21
							<del></del>
7/5/2002	13:25	20	5	80	264.09	35,873,552	1.58
7/11/2002	15:30	26	8.0	80	144.09	19,572,752	1.12
7/23/2002	10:10	28	7.5	83	287.78	40,557,673	2.50
8/9/2002	12:20	7.5	0	80	408.09	55,434,983	0.91

Table 3

Total Mass of Petroleum Hydrocarbons Removed by Vapor Extraction System 3609 International Boulevard, Oakland, California

		PID (ppmv)		Flow Rate	Time Elapsed	Air Flow	Mass Removed 1
Date	Time	Influent	Effluent	(ft^3/min)	(Hours)	(Liters)	(Pounds)
8/15/2002 11	15:00	7.0	1	80	144.11	19,575,902	0.30
8/23/2002 13	15:20	NA NA	NA	NA	NA NA	NA	NA
8/26/2002	11:15	14.0	2.0	во	71.83	9.757,387	0.30
9/11/2002	10:10	34.4	0	80	383.95	52,156,428	3.95
9/19/2002	10:55	8.8	1.1	80	192.75	26,183,160	0.51
9/25/2002	10:30	18.8	1.8	80	144.75	19,662,840	0.81
10/2/2002	8:10	17.1	2.5	80	168.75	22,923,000	0.86
10/9/2002		PID mai	function	80	168.75	22,923,000	NA
10/16/2002	13:45	17.0	4.0	80	168.75	22,923,000	0.86
10/24/2002		16.5	6.4	80	192.75	26,183,160	0.95
11/1/2002		21.1	0.0	85	192.75	27,819,608	1.29
11/6/2002	10:12	PID mai	function	87	120.75	17,837,915	NA
11/7/2002		17.5	0.0	85	24.75	3,572,168	0.14
11/13/2002	11:30	15.0	0.0	85	144.75	20,891,768	0.69
11/22/2002	14:30	6.6	0.0	80	219.00	29,748,960	0.43
11/22/2002	'	syste	em shut-dow	n due to rainv	season and low		is
				2003		man ka	
5/9/2003	10:30	0.1	0.0	82	O	0	0
5/12/2003	10:30	0.4	0.3	85	72.00	10,391,760	0.01
5/21/2003	11:00	2.2	2.2	83	216.50	30,512,211	0.15
6/4/2003	10:30	2.5	0.1	82	335.50	46,713,678	0.26
6/10/2003	10:30	2.2	0.08	82	144.00	20,049,984	0.10
6/16/2003	12:15	2.1	0.07	82	146.25	20,363,265	0.09
6/24/2003	16:55	2.6	0.08	82	196.75	27,394,683	0.16
6/30/2003	11:30	2.2	0.1	82	138.50	19,284,186	0.09
	To the second of						
7/16/2003	12:00	2.2	0.22	82	384.50	53,536,242	0.26
7/21/2003	10:50	2.1	0.21	82	119.00	16,569,084	0.08
7/28/2003	11:15	2.2	0.22	82	168.25	23,426,457	0.11
8/11/2003	12:15	2.1	0.21	82	337.00	46,922,532	0.22
8/19/2003	10:05	2.1	0.22	82	190.00	26,454,840	0.12
8/25/2003	11:30	2.2	0.23	81	145.30	19,984,271	0.10
9/2/2003	10;50	2.1	0.21	80	190.30	25,850,352	0.12
9/8/2003	2:10	9.1	3.19	63	147.30	20,759,578	0.42
9/11/2003	10:00			All 4 SVE	carbon drums cha	anged-out	
9/22/2003	1:30	7	0.2	88	335.25	50,094,396	0.77
10/1/2003	10:30	6.5	0.2	85	213.00	30,742,290	0.44
10/6/2003	11:00	7	0.3	85	120.50	17,391,765	0.27
10/13/2003	11:15	5	0.2	85	168.25	24,283,523	0.27
10/29/2003	10:00	2.4	0	85	382.75	55,242,308	0.29
11/3/2003	11:30	3	0	85	121.50	17,536,095	0.12
11/10/2003	11:10	3.5	0	85	167.67	24,199,330	0.19
11/17/2003	13:50	4.1	0	85	170.70	24,637,131	0.22
11/24/2003	11:00	3.8	0	85	165.20	23,843,316	0.20
11/24/2003		syste	em shut-dow	n due to rainy	season and low	influent reading	js

Table 3 Total Mass of Petroleum Hydrocarbons Removed by Vapor Extraction System 3609 International Boulevard, Oakland, California

<u> </u>	1	PID (r	opmv)	Flow Rate	Time Elapsed	Air Flow	Mass Removed 1	
Date	Time	Influent	Effluent	(ft^3/min)	(Hours)	(Liters)	(Pounds)	
Marie San III				2004		naironsines		
4/5/2004	13:00	5.6	0.11	85	0	2405.5	0	
4/12/2004	10:30 AM	6.5	0.2	83	165.5	23,324,577	0.33	
4/20/2004	12:00 PM	7.1	0.9	84	193.5	27,599,292	0.43	
4/23/2004	11:00PM	7.2	2.3	80	59	8,014,560	0.13	
5/3/2004	12:00 PM	7.1	3.4	80	241	32,737,440	0.51	
5/5/2004	11:00 PM		•	All 4 SVE	carbon drums ch	anged-out		
5/17/2004	12:00 PM	2.7	0.8	82	336	46,783,296	0.28	
5/26/2004	11:00 AM	3.8	0.5	82	215	29,935,740	0.25	
6/1/2004	1:00 PM	3.6	0.9	82	122	16,986,792	0.13	
6/7/2004	11:50 AM	3.2	0	82	142.9	19,896,824	0.14	
6/14/2004	11:50 AM	10.9	0	86	168	24,532,704	0.59	
6/21/2004	10:50: AM	13.5	0	83	167	23,535,978	0.70	
6/28/2004	11:50 AM	10.9	0.5	85	169	24,391,770	0.58	
7/2/2004	11:30 AM	8.7	0	85	95.8	13,826,814	0.26	
7/13/2004	2:00 PM	9.1	0.22	85	266.5	38,463,945	0.77	
7/21/2004	12:00 PM	8.9	0.5	85	262	37,814,460	0.74	
7/26/2004	11:50 AM	8.5	0.4	85	119.5	17,247,435	0.32	
8/2/2004	11:30 AM	4.9	0.1	85	167.8	24,218,574	0.26	
8/9/2004	11:50 AM	5.6	0.2	85	144.2	20,812,386	0.26	
8/16/2004	12:00 PM	6	0.4	85	168.1	24,261,873	0.32	
8/24/2004	11:50 AM	6.2	1.2	85	191.9	27,696,927	0.38	
8/30/2004	11:30 AM	6	0.4	85	143.66	20,734,448	0.27	
9/7/2004	1:05 PM	5.5	0.8	85	193.5	27,927,855	0.34	
9/13/2004	12:05 PM	5.3	0.9	85	143	20,639,190	0.24	
9/20/2004	11:08 AM	7	2.9	85	167	24,103,110	0.37	
9/27/2004	2:50 PM	6.5	2.1	85	171.75	24,788,678	0.35	
10/4/2004	11:30 AM	6.9	3	85	164.55	23,749,502	0.36	
10/13/2004	10:30 AM	6.5	2.9	85	215	31,030,950	0.44	
10/18/2004	2:30 PM	6	1.5	85	124	17,896,920	0.24	
10/28/2004	2:00 PM	3.1	0.9	85	239.5	34,567,035	0.24	
10/28/2004		syste	m shut-dow	n due to rainy	season and low i	nfluent reading	s	
	Total Mass of Petroleum Hydrocarbons Removed = 424.20  Average Daily Removal Rate (pounds / day)= 0.27							

<sup>&</sup>lt;sup>1</sup> The representative molecular weight of hydrocarbons was assumed to be 78 gram/mole and used the measured temperature of Vapor (36 °C) in converting ppm-v to ppm on mass basis.

<sup>&</sup>lt;sup>2</sup> System accidentally shut down from main box, readings taken 30 minutes after startup.

<sup>&</sup>lt;sup>3</sup> GAC Replaced

<sup>&</sup>lt;sup>4</sup> GAC-1 removed, new GAC installed at effluent end

<sup>&</sup>lt;sup>5</sup> SVE System turned off for rainy season due to low influent concentrations

<sup>&</sup>lt;sup>6</sup> system down, hoses disconnected and GAC moved for replacement

<sup>&</sup>lt;sup>7</sup> system down for electrical repair

<sup>&</sup>lt;sup>6</sup> Carbon change-out of three drums, moved new effluent drum on 10/25/01 to GAC-1

system shut-down due to high effluent value
 System re-started (since November 21, 2001), installed new 4-55 gallon vapor phase carbon vessels, repaired blower

<sup>11</sup> System was shut-down due to low influent reading

<sup>12</sup> System was restarted on 6/12/02

<sup>13</sup> System was re-started but no readings were taken

# **FIGURES**



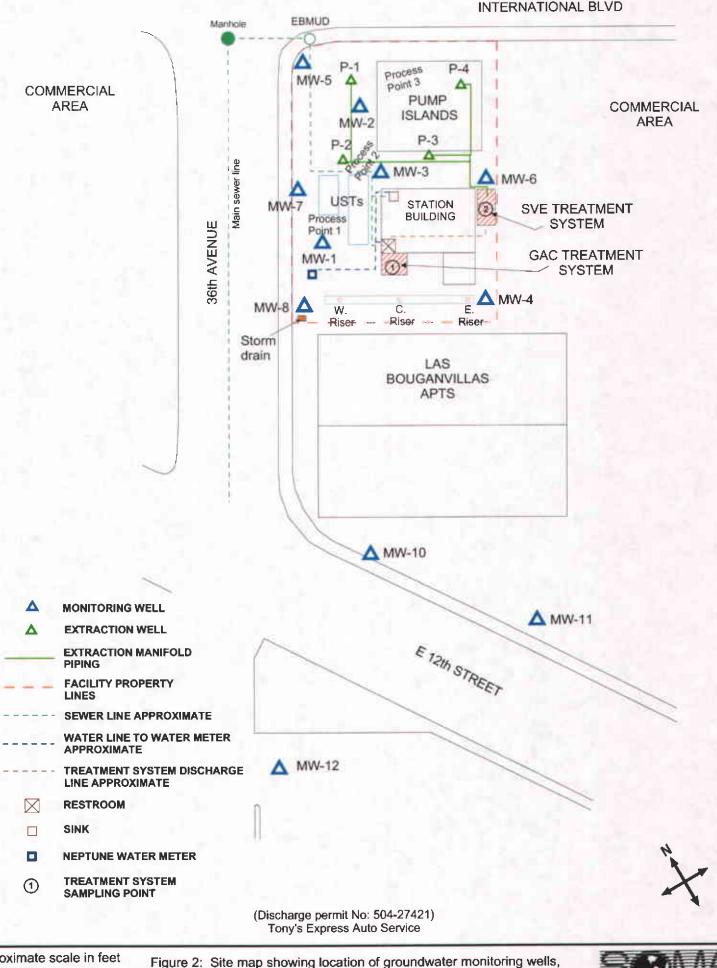


approximate scale in feet

250 500



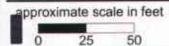




approximate scale in feet
0 25 50

Figure 2: Site map showing location of groundwater monitoring wells, French drain, SVE system, and GAC system.





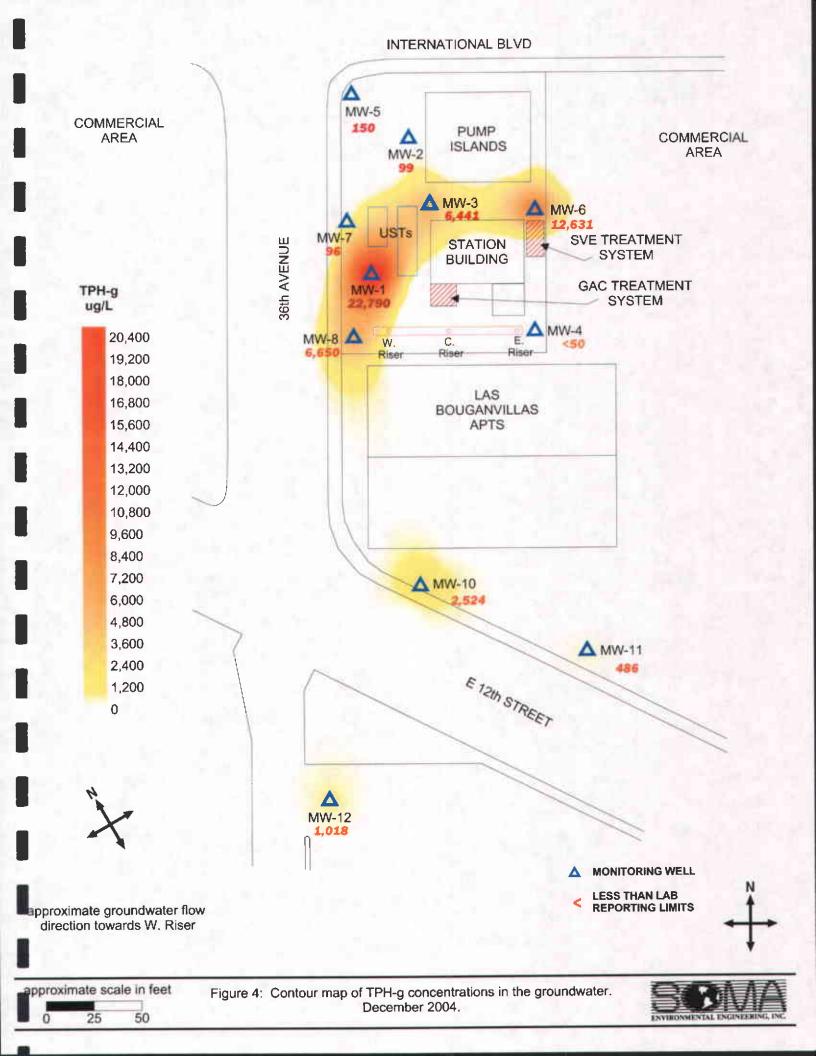
direction towards W. Riser

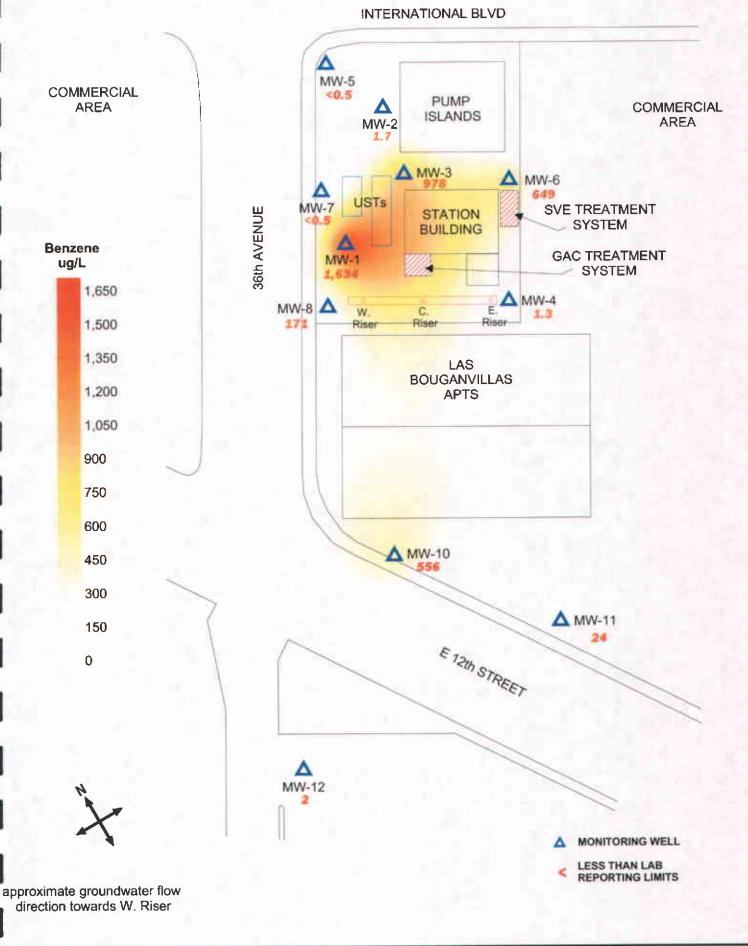
Figure 3: Groundwater elevation contour map in feet. December 2004.



MONITORING WELL

NOT SURVEYED DUE
TO OBSTRUCTIONS





approximate scale in feet 0 25 50

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

December 2004.



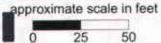
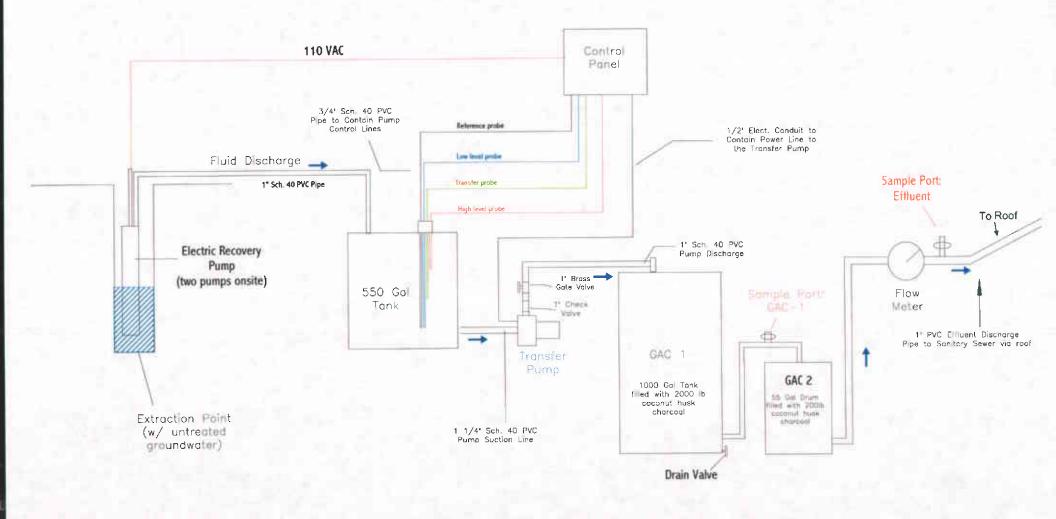


Figure 6: Contour map of MtBE concentrations in the groundwater. (EPA Method 8260B). December 2004.

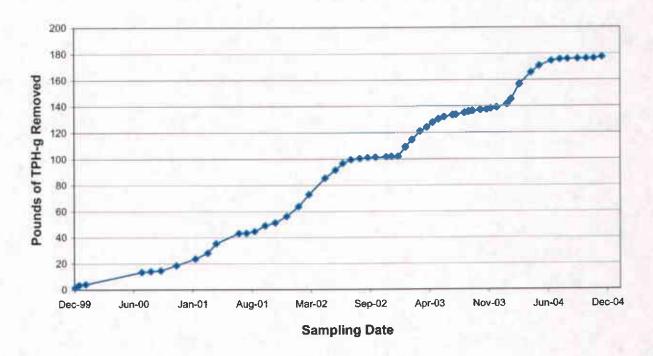




(Discharge permit No: 504-27421) Tony's Express Auto Service. September 1, 2004

Figure 7: Schematic of the Groundwater Remediation System.





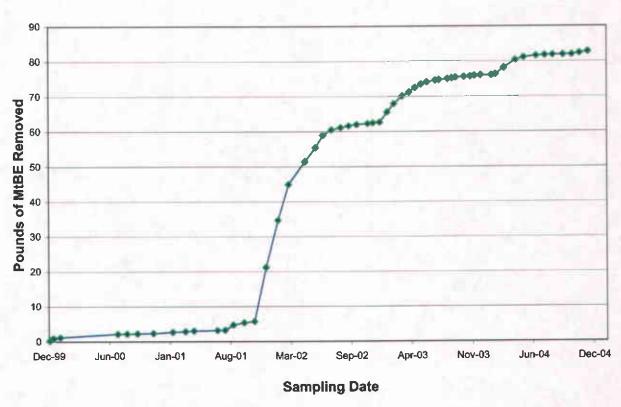


Figure 8. Cumulative mass of TPH-g and MtBE removed from groundwater since the installation of the treatment system.



# **APPENDIX A SOMA's Groundwater Monitoring Procedures SOMA** Environmental Engineering, Inc.

#### **Field Activities**

On December 7 and 8, 2004, 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), three off-site monitoring wells (MW-10 to 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 on and off-site 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.

The survey data measured by Kier and Wright is presented in Appendix B.

Prior to the collection of 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 pH, temperature, electric conductivity (EC), dissolved oxygen (DO), turbidity, and Oxygen Reduction Potential (ORP) were measured in-situ using a Horiba, Model U-22 multi-parameter instrument. The Horiba, Model U-22 was calibrated at the Site using standard solutions and procedures provided by the manufacturer.

Detailed field measurements are shown in Appendix B.

The purging continued until the parameters for pH, temperature, EC, DO, turbidity, and redox stabilized, or three casing volumes were purged. The groundwater samples were also tested on-site for ferrous iron ( $Fe^{+2}$ ), and nitrate ( $NO_3^-$ ), and sulfate ( $SO_4^{-2}$ ) concentrations once stabilization occurred. Ferrous iron, nitrate, and sulfate were measured colorimetrically using the Hach Colorimeter Model 890.

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 three 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 December 8, 2004, SOMA's field crew delivered the groundwater samples to Pacific Analytical Laboratory in Alameda, California.

#### **Laboratory Analysis**

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

# **Appendix B**

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

Field Measurements of Physical, Chemical, and Biodegradation Parameters of Groundwater

DATE: JOB# 08/27/02 A02576

# TABLE OF ELEVATIONS & COORDINATES ON MONITORING WELLS

SOMA ENVIRONMENTAL Oakland-E. 14 the St. "International Bivd"

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

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.

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



	Well No.: Casing Diameter: Depth of Well: Top of Casing Elevation: Depth to Groundwater: Groundwater Elevation: Water Column Height:	11.1 20.0 40. 11.1 29. 18.	- 00 11 10 01	inches feet feet feet feet feet		Project Address  Date: Samples	:	2331 3609 International Blvd. Oakland, CA December & 2004 John Lohman Elena Manzo
1	Purged Volume:	/	<u>/</u>	gallons				
	Purging Method:			Bailer		Pump		
	Sampling Method:			Bailer		Pump		
	Color:	No	<b>P</b>		Yes		Describe:	
1	Sheen:	No	12		Yes		Describe:	
	Odor:	No			Yes	•	Describe:	strong petro oDOR

Time	Vol	На	Temp	E.C.	D.O.	Turbidity	ORP	Fe <sup>+2</sup>	NO3 <sup>-1</sup>	SO <sub>4</sub> -2
	(galions)	<b>P</b> 7 .	(°C)	(μS/cm)	(mg/L)	(NTU)	(mV)	(mg/L)	(mg/L)	(mg/L)
10:32 Am	sta	tes p	water	g ue	11					
10:35 AM	3	6.59	20.65			136	5			
10:38 AM	6	6.60	20.88	582	5.67	119	-66			
10:41 AM	10	6.62	20.89	610	5.02	172	-87		:	
10:45 AM	sam	ples						1.34	0	0
						ļ <u>.</u>			<u> </u>	
					<u> </u>				ļ	



Well No.: Casing Diameter: Depth of Well: Top of Casing Elevation: Depth to Groundwater: Groundwater Elevation: Water Column Height: Purged Volume:	30. 40. 10. 30.	 feet feet		Project I Address Date: Sampler	<b>:</b>	2331 3609 International Blvd. Oakland, CA December 8, 2004 John Lohman Elena Manto
Purging Method: Sampling Method:		Bailer Bailer	<b>□</b>	Pump Pump		
Color: Sheen: Odor:	No No No		Yes Yes Yes		Describe: Describe:	slight petro opor

Time	Vol	рH	Temp	E.C.	D.O.	Turbidity	ORP	Fe <sup>+2</sup>	NO3 <sup>-1</sup>	SO <sub>4</sub> -2
	(gallons)	Hi.	(°C)	(μS/cm)	(mg/L)	(NTU)	(mV)	(mg/L)	(mg/L)	(mg/L)
1:05 PM	stan	to 1	ength	g wel	/					
1:10 PM	2		20.40		7.18	193	-119			
1:14 PM	6	6.71	20.66	591	1-98	116	-100			
1-16 PM	9	6.68	20.78	590	1.90	103	-90			
1:20 /11	12	6.68	20.84	589	1.87	87.5	-84			
1:25 pm	san	aples						0	0	0



Well No.:	W	<u>~ ~ </u>			Project	No.:	2331
Casing Diameter:		4	inches		Addres	s:	3609 International Blvd.
Depth of Well:		000	feet			,	Oakland, CA
Top of Casing Elevation:	40	1,91	feet		Date:		December: 8, 2004
Depth to Groundwater:	$\overline{1}$	. 31	feet		Sample	r:	-Elena Man Zu
Groundwater Elevation:	29	59	feet				John Lohman
Water Column Height:	K.	68	feet				
Purged Volume:			gallons				
ľ					,	÷	
Purging Method:			Bailer		Pump		
Sampling Method:			Bailer		Pump	<b>□</b> ·	
Color:	No			Yes 🎏		Describe:	gray
Sheen:	No	#		Yes □		Describe:	*
Odor:	No			Yes 🕏	-	Describe:	petrol
j ·					•		•

Time	Vol (galions)	pН	Temp (°C)	E.C. (μS/cm)	D.O. (mg/L)	Turbidity (NTU)	ORP (mV)	Fe <sup>+2</sup> (mg/L)	NO3 <sup>-1</sup> (mg/L)	SO <sub>4</sub> -2 (mg/L)
12:20 PM	Star	4 pr	WER							
12:25 PM	5	(93	20.71	706	7,51	73,7	745			
12:30 PM	10	664	20.85	70.3	1.86	31	-136			
12:35 DM	13	6.64	70.97	70	1.71	17.5	-139	,		
12:40 PM	SAM	PLF	b					3.3	0	0
										·
-										



Well No.: Casing Diameter: Depth of Well: Top of Casing Elevation: Depth to Groundwater:	·OÍ	95	inches feet feet feet		Project Address Date: Sample	<b>.</b>	2331 3609 Internation Cakland, CA December 7 Tony Perini			
Groundwater Elevation:		06	feet				John Lohman			
Water Column Height: Purged Volume:	15°	7	_feet galions		•					
y raigod voidille			ganono							
Purging Method:			Bailer		Pump			٠.	,	
Sampling Method:		•	Bailer		Pump					
Color:	No	灰		Yes		Describe:				
Sheen:	No	)   <b>32</b> 2		Yes		Describe:		 <u></u>		
Odor:	No	$\Rightarrow$		Yes		Describe:		<del></del>	·	
•										

Time	Vol (galions)	рH	Temp (°C)	E.C. (μS/cm)	D.O. (mg/L)	Turbidity (NTU)	ORP (mV)	Fe <sup>+2</sup> (mg/L)	NO3 <sup>-1</sup> (mg/L)	SO <sub>4</sub> -2 (mg/L)
10 05 Am	Star	+ Pu	rge		,					
10 08 AM	3.5	6.78	1959	346	4.45	25.9	-19			
10 10 AM	6	658	19.59		2.67	0	-72			
1012 Am	16	6.55	M.7Z	50Z	2.27	0	17			
10 20 AM	SAN	NOF	<b>5</b> 5					0	<u>م</u>	0
										<b>~</b> .



Well No.:	Mν	15	_			Project !	No.:	2331		
Casing Diameter:	2	_	inches			Address	<b>;</b> ;	3609 International Blvd.		
Depth of Well:	26.	30	feet					Oakland, CA		
Top of Casing Elevation:	41.	16	feet			Date:		December 7-X 2004		
Depth to Groundwater:	10.	73	feet			Sampler	:	Tony Perini	•	
Groundwater Elevation:	30.	43	feet					John Lohman	•	
Water Column Height:	15.	57	- feet			•		•		
Purged Volume:	0	1	gallons			*				
			•						•	
Purging Method:			Bailer			Pump	<b>.</b>		,	
Sampling Method:			Bailer			Pump				
Color:	No	×		Yes			Describe:			
	N	e-de		V	_		D!h			
Sheen:	No	ጆ.		Yes	Ц		Describe:			<del></del>
Odor:	No	**		Yes			Describe:			
		1								

#### Field Measurements:

Time	Vol (galions)	pН	Temp (°C)	E.C. (μS/cm)	D.O. (mg/L)	Turbidity (NTU)	ORP (mV)	Fe <sup>+2</sup> (mg/L)	NO3 <sup>-1</sup> (mg/L)	SO <sub>4</sub> -2 (mg/L)
3:58 PM	FINTE	ed p	inrac	ردد د						
4.00 PM	3	6.44	21.40	632	7.58	174	73+	!		
4:03 PM	5	639	21.99	632	3.22	95	66+			
4:06 PM	8	G.37	21.94	629	2.08	51.9	46+			
4:10 PM	SA)	MOT	75				,	0	0	35
	[ ·									



Well No.: Casing Diameter: Depth of Well: Top of Casing Elevation: Depth to Groundwater:	71.0	inches feet feet feet	,	Project No Address: Date: Sampler:	3609 International Blvd. Oakland, CA December - 8, 2004  Elma Mar 70
Groundwater Elevation: Water Column Height:	29 E	feet feet	•		John Lohman
Purged Volume:	9	gallons			
	٠		ą.i.		
Purging Method:		Bailer		Pump	•
Sampling Method:		Bailer		Pump	<b>.</b>
Color:	No No	<u> </u>	Yes 🎾		Describe: 9104/54  Describe: rainbow
Odor:		<u>a</u> ,	Yes X		Describe: petrol

Time	Vol (gallons)	рН	Temp (°C)	E.C. (μS/cm)	D.O. (mg/L)	Turbidity (NTU)	ORP (mV)	Fe <sup>+2</sup> (mg/L)	NO3 <sup>-1</sup> (mg/L)	SO <sub>4</sub> -2 (mg/L)
10:58 AM	Stow	tou	1 /ge							
11:01 AN	3	6.75	70.08	647	1.462	289	-39			
11:04 AM	5	6.60	20.14	672	168	110	-53	:		
11:07 AM	3	655	20.17	672	1.85	89.9	-67		·	
11:10 pm	SAN	PIL	5							
								2,60	0	0



Well No.: Casing Diameter: Depth of Well: Top of Casing Elevation: Depth to Groundwater: Groundwater Elevation: Water Column Height:	29.66	inches feet feet feet feet feet feet		Project Addres Date: Sample	es:	2331 3609 Internation Oakland, CA December 7 Tony Perini John Lohman	nal Blvd. 2004		
Purged Volume:	35	gallons						•	•
Purging Method: Sampling Method:		Bailer ·	□ ■	Pump Pump	<b>.</b>				
Color:	No X	•	Yes [	3	Describe				
Sheen:	No 🖘		Yes [	ם	Describe	:			
Odor:	No D		Yes 1		Describe	;	<u></u>		

Time	Vol (gailons)	рĦ	Temp (°C)	E.C. (μS/cm)	D.O. (mg/L)	Turbidity (NTU)	ORP (mV)	Fe <sup>+2</sup> (mg/L)	NO3 <sup>-1</sup> (mg/L)	SO₄ <sup>-2</sup> (mg/L)
4:26 PM	Star	70	nra Q	-						
4:29 PM	Z	661	2191	331	2.28	62.5	+20			
4:31 PM	3	6.45	21.89	321	3.23	0	+2			
4:32 PM	3,5	Ó	RY							
4:35 PM	SAI	MD.	LE'S	) \ \(\frac{1}{2}\)				0	0	0
										2
,										



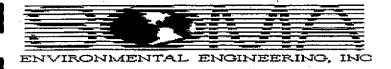
Well No.: Casing Diameter: Depth of Well: Top of Casing Elevation: Depth to Groundwater: Groundwater Elevation: Water Column Height: Purged Volume:	MW 3 26 39 10: 28: 5:	55 38 79	inches feet feet feet feet feet gallons		•	Project Address  Date: Samplet	<b>:</b> :	2331 3609 International Blvd. Oakland, CA December -8, 2004 Elena MANZO John Lohman
Purging Method: Sampling Method: Color: Sheen: Odor:	No No No		Bailer Bailer	Yes Yes	ریکھیر ا	Pump Pump	Describe:	rainbond

Time	Vol	рН	Temp	E.C.	D.O.	Turbidity	ORP	Fe <sup>+2</sup>	NO3 <sup>-1</sup>	SO <sub>4</sub> -2
i iiile	(gallons)	βH	(°C)	(µS/cm)	(mg/L)	(NTU)	(mV)	(mg/L)	(mg/L)	(mg/L)
9:42 AM	Stav	TON	140							
9:46 AM	3	6.28	20.61	555	192	160	54			
9:49 AM	フ	6.59	70.88	589	165	90.9	-72		·	
9:52 AM	\0	6.61	20.91	666	1.62	20.6	-98			
(0:00 AM	ban	1165						0.05	<u>ව</u>	<u> </u>
(V V V		Ì								:
			<del> </del>							



Well No.: Casing Diameter: Depth of Well: Top of Casing Elevation: Depth to Groundwater: Groundwater Elevation: Water Column Height: Purged Volume:	22 36 9, 27.	71	inches feet feet feet feet feet gallons		Project Address Date: Sample	<b>5:</b>	2331 3609 Internation Oakland, CA December 7-% Tony Perini John Lohman				
- Purged Volume.			_ganons							-	
						•					
Purging Method:			Bailer		Pump	•				,	
Sampling Method:			Bailer		Pump			·			
				-				• "			
Color:	No	叉		Yes		Describe:			·		
Sheen:	No	×		Yes		Describe:					
Odor:	No	×		Yes		Describe:				<u></u>	
•					•						

Time	Vol (galions)	рН	Temp (°C)	E.C. (μS/cm)	D.O. (mg/L)	Turbidity (NTU)	ORP (mV)	Fe <sup>+2</sup> (mg/L)	NO3 <sup>-1</sup> (mg/L)	SO <sub>4</sub> -2 (mg/L)
2:56 PM	Star	Jed	DWG	7) MON						
2:58 PM	١	6.65	20.40	Coy	2.67	53.3	+22			
3:00 PM	4	6,44	20.63	601	2.22	0	+()			
3:04 PM	10		20,69	619	1.97	0	†2			
3:07 PM	San	ple						0	0	0
					,					
				·						



Well No.: Casing Diameter: Depth of Well: Top of Casing Elevation: Depth to Groundwater: Groundwater Elevation: Water Column Height: Purged Volume:	25	N 10 15 54 56	inches feet feet feet feet feet gellons		Project Address Date: Sample	s:	2331 3609 Internati Oakland, CA December 7 Tony Perini John Lohman	2004		
Purging Method: Sampling Method:		,	Bailer Bailer	50 <b>76</b>	Pump Pump	<b>=</b>			,	
Color: Sheen:	No No	XX		Yes Yes		Describe:			 	-
Odor:	No	X		Yes		Describe:				

Time	Voi (gailons)	рН	Temp (°C)	E.C. (μS/cm)	D.O. (mg/L)	Turbidity (NTU)	ORP (mV)	Fe <sup>+2</sup> (mg/L)	NO3 <sup>-1</sup> (mg/L)	SO <sub>4</sub> <sup>-2</sup> (mg/L)
3:24PM	5/0	1+0	4494	2						
3:25 PM	2	Cot	19.64	559	3,00	31.3	56*			
3:27 PM	4	654	19.65	575	2.76	132	54*		·	
3:29 PM	7	6.43	19.64	581	2.10	28	51+	.:		
2:31 PM	10	6.37	19.63	586	1.86	45.3	47+			
3.35 PM	SAN	PL	$\mathcal{O}$					0	0	9



Well No.: Casing Diameter: Depth of Well: Top of Casing Elevation: Depth to Groundwater: Groundwater Elevation: Water Column Height:	10. 26.	<u>03</u>	inches feet feet feet feet feet		Project Address Date: Sample	3:	2331 3609 Internation Oakland, CA December 7- Tony Perini John Lohman	onai Blvd. 2004		
Purged Volume:		1	gallons	_	4	,				
Purging Method:			Bailer		Pump	•				
Sampling Method:			Bailer		Pump					
Color: Sheen: Odor:	No No No	xxx		Yes Yes Yes		Describe: Describe:				

Time	Vol (gallons)	рH	Temp (°C)	E.C. (μS/cm)	D.O. (mg/L)	Turbidity (NTU)	ORP (mV)	Fe <sup>+2</sup> (mg/L)	NO3 <sup>-1</sup> (mg/L)	SO <sub>4</sub> <sup>2</sup> (mg/L)
2:17 PM	Start	رکم	ong	1						
Z'.30 PM	8	6.31	(J.	8	4.98	0	-48			
2:35 PM	14	6.35	20.31	60	4.44	0	-83			
2:38 PM	20	6.36	20.31	602	4.02	0	-97			
2:40 PM		ned						0.70	0	0
		٧								

# **Appendix C**

Chain of Custody Form and Laboratory Report for the

Fourth Quarter 2004 Monitoring Event



### LABORATORY REPORT

Prepared For:

SOMA Environmental Engineering Inc.

2680 Bishop Dr.

Suite 203

San Ramon, CA 94583

Attention:

Joyce Bobek

Date:

1/6/2005

Project ID:

2331

Location: 3609 International Blvd, Oakland

Lab Job Number:

1034

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.

Reviewed by: MANA

Laboratory Director

## CHAIN OF CUSTCDY FORM

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

PAL Login#

	Project No: 2331					Sampler: Elena Maurzo/John whoman								Analyses/Method									
		Project Name: 3609 International Blvd Oakland				Report To: Joyce Bobek							r c	MIDI									
	Project P.O.: Turnaround Time: Standard				l'e	Company: SOMA Environmental Engineering, Inc.  Tel: 925-244-6600 Fax: 925-244-6601								9 E.Y.					-				
			Sampling	Date/Time	N	Matrix # of Containers				Preservatives				7010	8260B								
:	Lab No.	Sample 1D	Date	Time	Soil	Water	Waste			HCL	H <sub>2</sub> So4	HNO <sub>3</sub>	ICE	Ţā.	eld Notes		K						
1034-	0) 0)	MW-I	12/8/4			×		4 v	09.5				3	Grab	saupie		1						
1634/	63	MW-2 MW-3	12/8/4	12:40m													1-	-		-	++	_	-
10342	04	MW-4 MW-5	12/8/4 12/4/4	1012dan 4:10pm							-												
(634/	05	MW-6	128/4	11:10am				<u> </u>	•						1	<del> </del>	1-				++	+-	
1034	7	mw-7	12/3/4	4 35pm					<u> </u>														
10 54	08	MW-18	128/1	10:00k				-	<b>}</b>					Y	· · · · · · · · · · · · · · · · · · ·	+	+			+			
iosy	7	$m\omega - u$	12/3/1	3.35pm	-	V		1	V_	$\nabla$			V	\ \ \			V						
`	Samp	oler Remarks:		<i>y</i>	•				inquis		by:			e/Time:	Received by:					te/Ti	*		]
		EDF outpu	ut re	quire	(				leno				12	2:15 pm	THU	L	E		17	48	104	2: 4	SP
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## CHAIN OF CUS', JDY FORM

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

PAL Login# 1034

Proje	et No: 2331	٠.		Sa	mple	er:	EK	inc	۱ /	/ə	oh	w			Aı	nalys	ses/N	/leth	od	
Proje	Project Name: 3609 International Blvd Oakland Re			Re	Report To: Joyce Bobek								MtBE							
Proje	ct P.O.:			Co	Company: SOMA Environmental Engineering, Inc.  Tel: 925-244-6600 Fax: 925-244-6601								втех,							
Turna	around Time: Sta	ındard																		
		Sampling	Date/Time	N	Iatri	<b>x</b>	# of Containers	]	Prese	rvati	ives			TPHg, 8260B				-		
Lab No.	Sample ID	Date	Time	Soil	Water	Waste		HCL	H <sub>2</sub> So4	HNO	ICE	1	Field Notes							
12	MW-12	12/7/4	2:40pm	<b>t</b>	Ϋ́		4 Voass	X			X	Erab	sampre_	$\times$						
								1												
											·									
					·					-										
Samp	ler Remarks:	<u> </u>	<u> </u>	L:			Relinguis	hed	by:		Date	/Time:	Received by:				Date	/Tin	1e:	
	EDF	out pri					Elena	Mc	UL 1	ንጋ		1814 2:15 pm	THU LE				12	8/	oy	2:13
		j										U								
							**************************************						V		<del></del>					
								<u></u>											-	

434-

SOMA environmental Engineering Inc. 2680 Bishop Dr. San Ramon	Lab Job # Project ID: Location: Sampled: Received:	1034 2331 3609 International Bivd. Oakland 12/7-8/2004 12/8/2004	
6. 1.1	40/0/004	TPHg by GC/MS  Received:	12/8/2004
Sampled:	12/8/2004		
Field ID:	MW-1	Lab ID:	1034-01
Type:	Sample	Dilution Factor:	86
Matrix:	Water	Date Prep:	12/10/2004
Units:	μg/L	Date Analyzed:	12/11/2004
Batch:	anna an	Prep. Method:	5030B
Analyte	Result	Reporting Limit	Analysis
Gasoline (C6-C12)	22790	4300	8260B
	BT	EX/MTBE by GC/MS	
Sampled:	12/8/2004	Received:	12/8/2004
Field ID:	MW-1	Lab ID:	1034-01
Type:	Sample	Dilution Factor:	86
Matrix:	Water	Date Prep:	12/10/2004
Units:	µg/L	Date Analyzed:	12/11/2004
Batch:		Prep. Method:	5030B
Analyte	Result	Reporting Limit	Analysis
MTBE	5504	43	8260B
Benzene	1634	43	8260B
Toluene	319	43	8260B
Ethyl benzene	895	43	8260B
m&p-xylene	2378	86	8260B
0-xylene	473	43	8260B
Surrogate	% REC	%REC Limits	Analysis
Dibromofluoromethane	79	70-130	8260B
Toluene-d8	93	70-130	8260B

5	Company of the State	TPHg by GC/MS	with a confirmation of the second
Sampled:	12/8/2004	Received:	12/8/2004
Field ID:	MW-2	Lab ID:	1034-02
Туре:	Sample	Dilution Factor:	
Matrix:	Water	Date Prep:	12/10/2004
Units:	μg/L	Date Analyzed:	12/11/2004
Batch:		Prep. Method:	5030B
Analyte	Result	Reporting Limit	Analysis
Gasoline (C6-C12)	99	50	8260B
	Bî	EX/MTBE by GC/MS	
Sampled:	12/8/2004	Received:	12/8/2004
Field ID:	MW-2	Lab ID:	1034-02
Туре:	Sample	Dilution Factor:	
Matrix:	Water	Date Prep:	12/10/2004
Units:	μg/L	Date Analyzed:	12/11/2004
Batch:		Prep. Method:	5030B
Analyte	Result	Reporting Limit	Analysis
MTBE	ND	0.5	8260B
Benzene	1.7	0.5	8260B
Toluene	3.3	0.5	8260B
Ethyl benzene	8.3	0.5	8260B
m&p-xylene	19.7	1	8260B
0-xylene	5.4	0.5	8260B
Surrogate	% REC	%REC Limits	Analysis
Dibromofluoromethane	81	70-130	8260B
Toluene-d8	94	70-130	8260B

		TPHg by GC/MS	
Sampled:	12/8/2004	Received:	12/8/2004
Field ID:	MW-3	Lab ID:	1034-03
Type:	Sample	Dilution Factor:	8,6
Matrix:	Water	Date Prep:	1.2/10/2004
Units:	μg/L	Date Analyzed:	12/11/2004
Batch:	According to the second control of the secon	Prep. Method:	<i>5</i> 030B
Analyte	Result	Reporting Limit	Analysis
Gasoline (C6-C12)	6441	430	8260B
ng leo at an at radional di 😼	B1	TEX/MTBE by GC/MS	and the state of t
Sampleđ:	12/8/2004	Received:	12/8/2004
Field ID:	MW-3	Lab ID:	1034-03
Type:	Sample	Dilution Factor:	8.6
Matrix:	Water	Date Prep:	12/10/2004
Units:	μg/L	Date Analyzed:	12/11/2004
Batch:		Prep. Method:	5030B
Analyte	Result	Reporting Limit	Analysis
MTBE	201	4.3	8260B
Benzene	978	4.3	8260B
Toluene	109	4.3	8260B
Ethyl benzene	490	4.3	8260B
m&p-xylene	796	8.6	8260B
0-xylene	145	4.3	8260B
Surrogate	% REC	%REC Limits	Analysis
Dibromofluoromethane	79	70-130	8260B
Toluene-d8	95	70-130	8260B

Service and the service of the servi		TPHg by GC/MS	December 1984
Sampled:	12/8/2004	Received:	12/8/2004
Field ID:	MW-4	Lab ID:	1034-04
Туре:	Sample	Dilution Factor:	
Matrix:	Water	Date Prep:	12/10/2004
Units:	μg/L	Date Analyzed:	12/11/2004
Batch:		Prep. Method:	5030B
Analyte	Result	Reporting Limit	Analysis
Gasoline (C6-C12)	ND ND	50	8260B
	BT	EX/MTBE by GC/MS	Electric contraction of the cont
Sampled:	12/8/2004	Received:	12/8/2004
Field ID:	MW-4	Lab ID:	1034-04
Type:	Sample	Dilution Factor:	1
Matrix:	Water	Date Prep:	12/10/2004
Units:	μg/L	Date Analyzed:	12/11/2004
Batch:		Prep. Method:	5030B
Analyte	Result	Reporting Limit	Analysis
MTBE	ND	0.5	8260B
Benzene	1.3	0.5	8260B
Toluene	ND	0.5	8260B
Ethyl benzene	2.8	0.5	8260B
m&p-xylene	ND	1	8260B
0-xylene	ND	0.5	8260B
Surrogate	% REC	%REC Limits	Analysis
Dibromofluoromethane	82	70-130	8260B
Toluene-d8	95	70-130	8260B

	·		
•			
			1
,		TPHg by GC/MS	
Sampled:	12/7/2004	Received:	12/7/2004
Field ID:	MW-5	Lab ID:	1034-05
Type:	Sample	Dilution Factor:	ระบัติสาร์สาร์สารสารสาร์สารสาร ( <b>1</b> ) ใช้รับประการสารสารสาร
Matrix;	Water	Date Prep:	12/10/2004
Units:	μg/L	Date Analyzed:	12/11/2004
Batch:		Prep. Method:	5030B
Analyte	Result	Reporting Limit	Analysis
Gasoline (C6-C12)	150	50	8260B
CAND AND SOME OF SECURITY	B	TEX/MTBE by GC/MS	
Sampled:	12/7/2004	Received:	12/7/2004
Field ID:	MW-5	Lab ID:	1034-05
Туре:	Sample	Dilution Factor:	anterior processing the state of
Matrix:	Water	Date Prep:	12/10/2004
Units:	μg/L	Date Analyzed:	12/11/2004
Batch:		Prep. Method:	5030B
Analyte	Result	Reporting Limit	Analysis
MTBE	2.6	0.5	8260B
Benzene	ND	0.5	8260B
Toluene	ND	0.5	8260B
Ethyl benzene	ND	0.5	8260B
m&p-xylene	ND	1	8260B
0-xylene	ND	0.5	8260B
Surrogate	% REC	%REC Limits	Analysis
Dibromofluoromethane	82	70-130	8260B
Toluene-d8	94	70-130	8260B

		TPHg by GC/MS	
Sampled:	12/8/2004	Received:	12/8/2004
Field ID:	MW-6	Lab ID:	1034-06
Туре:	Sample	Dilution Factor:	in and I consequent
Matrix:	Water	Date Prep:	12/10/2004
Units:	μg/L	Date Analyzed:	12/11/2004
Batch:		Prep. Method:	5030B
Analyte	Result	Reporting Limit	Analysis
Gasoline (C6-C12)	12631	50	8260B
entengagagan er entare et ega	В	TEX/MTBE by GC/MS	
Sampled:	12/8/2004	Received:	12/8/2004
Field ID:	MW-6	Lab ID:	1034-06
Туре:	Sample	Dilution Factor:	4.3
Matrix:	Water	Date Prep:	12/10/2004
Units:	μg/L	Date Analyzed:	12/11/2004
Batch:		Prep. Method:	5030B
Analyte	Result	Reporting Limit	Analysis
MTBE	ND	2.15	8260B
Benzene	649	2.15	8260B_
Toluene	134	2.15	8260B
Ethyl benzene	1009	2.15	8260B
m&p-xylene	1747	4.3	8260B
0-xylene	290	2.15	8260B
Surrogate	% REC	%REC Limits	Analysis
Dibromofluoromethane	80	70-130	8260B
Toluene-d8	100	70-130	8260B

			•
		TPHg by GC/MS	
Sampled:	12/7/2004	Received:	12/7/2004
Field ID:	MW-7	Lab ID:	1034-07
Туре:	Sample	Dilution Factor:	1
Matrix:	Water	Date Prep:	12/10/2004
Units:	μg/L	Date Analyzed:	12/11/2004
Batch:		Prep. Method:	5030B
Analyte	Result	Reporting Limit	Analysis
Gasoline (C6-C12)	96	50	8260B
Company of the Authority of the	B	FEX/MTBE by GC/MS	t meetest kunnen en en een
Sampled:	12/7/2004	Received:	12/7/2004
Field ID:	MW-7	Lab ID:	1034-07
Туре:	Sample	Dilution Factor:	<b>1</b>
Matrix:	Water	Date Prep:	12/10/2004
Units:	μg/L	Date Analyzed:	12/11/2004
Batch:		Prep. Method:	5030B
Analyte	Result	Reporting Limit	Analysis
MTBE	ND	0.5	8260B
Benzene	ND	0.5	8260B
Toluene	ND	0.5	8260B
Ethyl benzene	ND	0.5	8260B
m&p-xylene	ND	1	8260B
0-xylene	ND	0.5	8260B
Surrogate	% REC	%REC Limits	Analysis
Dibromofluoromethane	78	70-130	8260B
Toluene-d8	94	70-130	8260B

		TPHg by GC/MS	
Sampled:	12/7/2004	Received:	12/7/2004
Field ID:	MW-8	Lab ID:	1034-08
Type:	Sample	Dilution Factor:	
Matrix:	Water	Date Prep:	12/10/2004
Units:	μg/L	Date Analyzed:	12/11/2004
Batch:		Prep. Method:	5030B
Analyte	Result	Reporting Limit	Analysis
Gasoline (C6-C12)	6650	50	8260B
	BT	EX/MTBE by GC/MS	CHILOSOPHICAS ILABORADES
Sampled:	12/7/2004	Received:	12/7/2004
Field ID:	MW-8	Lab ID:	1034-08
Type:	Sample	Dilution Factor:	
Matrix:	Water	Date Prep:	12/10/2004
Units:	μg/L	Date Analyzed:	12/11/2004
Batch:	no e e e e e e e e e e e e e e e e e e e	Prep. Method:	5030B
Analyte	Result	Reporting Limit	Analysis
MTBE	166	4.3	8260B
Benzene	171	4.3	8260B
Toluene	15	4.3	8260B
Ethyl benzene	360	4.3	8260B
m&p-xylene	32	8.6	8260B
0-xylene	3	4.3	8260B
Surrogate	% REC	%REC Limits	Analysis
Dibromofluoromethane	88	70-130	8260B
Toluene-d8	114	70-130	8260B

		TPHg by GC/MS	ne and the first of the second
Sampled:	12/7/2004	Received:	12/7/2004
Field ID:	MW-10	Lab ID:	1034-10
Туре:	Sample	Dilution Factor:	1
Matrix:	Water	Date Prep:	12/10/2004
Units:	μg/L	Date Analyzed:	12/11/2004
Batch:		Prep. Method:	5030B
Analyte	Result	Reporting Limit	Analysis
Gasoline (C6-C12)	2524	50	8260B
and the control of th	BT	EX/MTBE by GC/MS	guergia, cultura de comencia de sunta
Sampled:	12/7/2004	Received:	12/7/2004
Field ID:	MW-10	Lab ID:	1034-10
Type:	Sample	Dilution Factor:	4.3
Matrix:	Water	Date Prep:	12/10/2004
Units:	μg/L	Date Analyzed:	12/11/2004
Batch:		Prep. Method:	5030B
Analyte	Result	Reporting Limit	Analysis
MTBE	144	2.15	8260B
Benzene	556	2.15	8260B
Toluene	10	2.15	8260B
Ethyl benzene	184	2.15	8260B
m&p-xylene	16	4.3	8260B
0-xylene	ND	2.15	8260B
Surrogate	% REC	%REC Limits	Analysis
Dibromofluoromethane	79	70-130	8260B
Toluene-d8	98	70-130	8260B

SOMA environmental > Engineering Inc. 2689 Bishop Dr.	Lab Job # Project ID: Location;	1938 2331 3609 International Blvd., Cakland	
San Ramon	Sampled:	12/7-8/2004	
	Received:	12/8/2004	
		TPHg by GC/MS	
Sampled:	12/7/2004	Received:	12/7/2004
Field ID:	MW-11	Lab ID:	1034-11
Туре:	Sample	Dilution Factor:	${f 1}$
Matrix:	Water	Date Prep:	12/10/2004
Units:	μg/L	Date Analyzed:	12/11/2004
Batch:	a. King an sawan na	Prep. Method:	5030B
Analyte	Result	Reporting Limit	Analysis
Gasoline (C6-C12)	486	50	8260B
Control of the state of the state of	BI	EX/MTBE by GC/MS	erencio en manago de company
Sampled:	12/7/2004	Received:	12/7/2004
Field ID:	MW-11	Lab ID:	1034-11
Type:	Sample	Dilution Factor:	era erag er <b>1</b> -mannanne -
Matrix:	Water	Date Prep:	12/10/2004
Units:	μg/L	Date Analyzed:	12/11/2004
Batch:	More recognitions	Prep. Method:	5030B
Analyte	Result	Reporting Limit	Analysis
MTBE	ND	0.5	8260B
Benzene	24	0.5	8260B
Toluene	3	0,5	8260B
Ethyl benzene	18	0.5	8260B
m&p-xylene	4 .	1	8260B
0-xylene	ND	0.5	8260B
Surrogate	% REC	%REC Limits	Analysis
Dibromofluoromethane	79	70-130	8260B
Toluene-d8	94	70-130	8260B

.

			•
		TPHg by GC/MS	
Sampled:	12/7/2004	Received:	12/7/2004
Field ID:	MW-12	Lab ID:	1034-12
Type:	Sample	Dilution Factor:	
Matrix:	Water	Date Prep:	12/10/2004
Units:	THE STATE OF THE S	Date Analyzed:	12/11/2004
Batch:	m station man state the state and a state and a state and	Prep. Method:	5030B
Analyte	Result	Reporting Limit	Analysis
Gasoline (C6-C12)	1018	50	8260B
	BT	EX/MTBE by GC/MS	tarin sanami in 1999 na Mandalan in Prasa di Basa
Sampled:	12/7/2004	Received:	12/7/2004
Field ID:	MW-12	Lab ID:	1034-12
Type:	Sample	Dilution Factor:	1
Matrix:	Water	Date Prep:	12/10/2004
Units:	ug/L	Date Analyzed:	12/11/2004
Batch:		Prep. Method:	5030B
Analyte	Result	Reporting Limit	Analysis
MTBE	26	0.5	8260B
Benzene	2	0.5	8260B
Toluene	ND	0.5	8260B
Ethyl benzene	ND	0.5	8260B
m&p-xylene	ND	1	8260B
0-xylene	ND	0.5	8260B
Surrogate	% REC	%REC Limits	Analysis
Dibromofluoromethane	79	70-130	8260B
Toluene-d8	94	70-130	8260B

	TPHg by	GC/MS	1000年,160 <b>3</b> 000年,1604年
Field ID:	N/A	Lab ID:	Blank
Туре:	QC	Dilution Factor:	1
Matrix:	Water	Prep:	12/8/2004
Units:	μg/L	Date Analyzed:	12/8/2004
Batch:	e de la company	Prep. Method:	5030B
Analyte	Result	Reporting Limit	Analysis
Gasoline (C6-C12)	ND	50	8260B
	BTEX/MTB	E by GC/MS	
Field ID:	N/A	Lab ID:	Blank
Туре:	QC	Dilution Factor:	1
Matrix:	Water	Prep:	12/8/2004
Units:	μg/L	Date Analyzed:	12/8/2004
Units: Batch:	μg/Σ	· -	12/8/2004 5030B
	μg/L.  Result	Prep. Method:	SANCHER PROGRAMMENT AND STREET STREET, THE SANCE OF THE S
Batch:		· -	5030B
Batch; Analyte	Result	Prep. Method:  Reporting Limit	5030B Analysis
Batch: Analyte MTBE	Result ND	Prep. Method: Reporting Limit 0.5	5030B Analysis 8260B
Batch: Analyte MTBE Benzene	Result ND ND	Prep. Method:  Reporting Limit  0.5  0.5	5030B Analysis 8260B 8260B
Batch: Analyte MTBE Benzene Toluene	Result ND ND ND	Prep. Method:  Reporting Limit  0.5  0.5  0.5	5030B Analysis 8260B 8260B 8260B
Batch: Analyte  MTBE  Benzene  Toluene  Ethyl benzene	Result ND ND ND ND ND ND	Prep. Method:  Reporting Limit  0.5  0.5  0.5  0.5  0.5	5030B Analysis 8260B 8260B 8260B 8260B
Batch: Analyte  MTBE  Benzene  Toluene  Ethyl benzene  m&p-xylene	Result ND ND ND ND ND ND ND ND ND	Prep. Method:  Reporting Limit  0.5  0.5  0.5  0.5  1	5030B Analysis 8260B 8260B 8260B 8260B 8260B 8260B
Batch:  Analyte  MTBE  Benzene  Toluene  Ethyl benzene  m&p-xylene  0-xylene	Result ND	Prep. Method:  Reporting Limit  0.5  0.5  0.5  0.5  1  0.5	5030B  Analysis  8260B  8260B  8260B  8260B  8260B  8260B  8260B

	TPHg	by GC/MS	
Field ID:	N/A	Lab ID:	MS
Туре:	QC	Dilution Factor:	
Matrix:	Water	Ртер:	12/8/2004
Units:	μg/L	Date Analyzed:	12/8/2004
Batch:		Prep. Method:	5030B
Analyte	% REC	% REC Limit	Analysis
Gasoline (C6-C12)	72	70-130	8260B
NOW STATE	BTEX/M	TBE by GC/MS	
Field ID:	N/A	Lab ID:	MS
Туре:	QC	Dilution Factor:	1
Matrix:	Water	Prep:	12/8/2004
Units:	μg/L	Date Analyzed:	12/10/2004
Batch:		Prep. Method:	5030B
Analyte	% REC.	REC Limit	Analysis
MTBE	103	8260B	8260B
Benzene	106	8260B	8260B
Toluene	101	8260B	8260B
Ethyl benzene	100	8260B	8260B
m&p-xylene	101	8260B	8260B
0-xylene	107	8260B	8260B
Surrogate	% REC	%REC Limits	Analysis
Dibromofluoromethane	85	70-130	8260B
Toluene-d8	95	70-130	8260B

	TPHg	by GC/MS	
Field ID:	N/A	Lab ID:	MSD
Туре:	QC	Dilution Factor:	
Matrix:	Water	Prep:	12/8/2004
Units:	μg/L	Date Analyzed:	12/8/2004
Batch:	n de dansk se de	Prep. Method:	WWW.5030B
Analyte	% REC.	REC Limit	Analysis
Gasoline (C6-C12)	65*	70-130	8260B
STORES AND DESIGNATION	BTEX/MT	BE by GC/MS	PRINCE STANFARM STANFARM
Field ID:	N/A	Lab ID:	MSD
Type:	QC	Dilution Factor:	1
Matrix:	Water	Prep:	12/8/2004
Matrix: Units:	Water µg/L	Prep: Date Analyzed:	12/8/2004 12/10/2004
	FORTHER OF CHILD OF CHILD OF CHILD	Date Analyzed:	CALABATA ATTACA CANADA CANADA MARANA
Units:	FORTHER OF CHILD OF CHILD OF CHILD	,	12/10/2004
Units: Batch:	µg/L	Date Analyzed: Prep. Method:	12/10/2004 5030B
Units: Batch: Analyte	μg/L % REC.	Date Analyzed: Prep. Method: REC Limit	12/10/2004 5030B Analysis
Units: Batch: Analyte MTBE	μg/L % REC. 121	Date Analyzed: Prep. Method: REC Limit 70-130	12/10/2004 5030B Analysis 8260B
Units: Batch: Analyte MTBE Benzene	μg/L  % REC.  121  119	Date Analyzed: Prep. Method: REC Limit 70-130 70-130	12/10/2004 5030B Analysis 8260B 8260B
Units: Batch: Analyte MTBE Benzene Toluene	μg/L % REC. 121 119 115	Date Analyzed: Prep. Method: REC Limit 70-130 70-130 70-130	12/10/2004 5030B Analysis 8260B 8260B 8260B
Units: Batch: Analyte MTBE Benzene Toluene Ethyl benzene	μg/L  % REC.  121  119  115  113	Date Analyzed: Prep. Method:  REC Limit  70-130  70-130  70-130  70-130	12/10/2004 5030B Analysis 8260B 8260B 8260B 8260B
Units: Batch: Analyte MTBE Benzene Toluene Ethyl benzene m&p-xylene	μg/L  % REC: 121 119 115 113 115	Date Analyzed: Prep. Method:  REC Limit 70-130 70-130 70-130 70-130 70-130	12/10/2004 5030B Analysis 8260B 8260B 8260B 8260B 8260B
Units: Batch: Analyte MTBE Benzene Toluene Ethyl benzene m&p-xylene 0-xylene	μg/L  % REC.  121  119  115  113  115  122	Date Analyzed: Prep. Method:  REC Limit 70-130 70-130 70-130 70-130 70-130 70-130	12/10/2004 5030B <b>Analysis</b> 8260B 8260B 8260B 8260B 8260B 8260B

ND= Not Detected

RL= Reporting Limits

<sup>\*=</sup> Low recovery due to the matrix effect

1914 (1914) (1914) (1914) (1914) (1914) (1914) (1914) (1914)	TPHg by GO	C/MS	and acceptation
Field ID:	N/A	Lab ID:	LCS
Туре:	QC	Dilution Factor:	1
2 ) PV.	wateramania sono sono sono sono sono sono sono son	Bildion ractor.	**************************************
Matrix:	Water	Prep:	12/8/2004
Units:	μg/L	Date Analyzed:	12/9/2004
Batch:		Prep. Method:	5030B
Analyte	Result	%REC Limits	Analysis
Gasoline (C6-C12)	72	70-130	8260B
and the second second	BTEX/MTBE by	y GC/MS	NEW TO BUSINESS
Field ID:	N/A	Lab ID:	LCS
Туре:	QC	Dilution Factor:	1
	A MANAGEMENT CONTROL WAS IN A SECURIT STATE AND A SECURIT STATE AN	d.	
Matrix:	Water	Prep:	12/8/2004
Matrix: Units:	Water µg/L	Prep: Date Analyzed:	12/8/2004 12/8/2004
		Date Analyzed:	PROPERTY SERVICES AND A CONTRACT CONTRACTORS OF THE SERVICES AND A SERVICE AND A SERVICES AND A SERVICE AND A SERVICE AND A SERVICES AND A SERVICES AND A SERVICE AND A SERVICE AND A SERVICE AND A SERVICES AND A SERVI
Units:		W =	12/8/2004
Units: Batch:	μg/L	Date Analyzed: Prep. Method:	12/8/2004 5030B
Units: Batch: Analyte	μg/L Result	Date Analyzed: Prep. Method: %REC Limits	12/8/2004 5030B <b>Analysis</b>
Units:  Batch:  Analyte  MTBE	μg/L Result 99	Date Analyzed: Prep. Method: %REC Limits 70-130	12/8/2004 5030B <b>Analysis</b> 8260B
Units: Batch: Analyte MTBE Benzene	μg/L <b>Result</b> 99  94	Date Analyzed: Prep. Method: %REC Limits 70-130 70-130	12/8/2004 5030B Analysis 8260B 8260B
Units: Batch: Analyte MTBE Benzene Toluene	μg/L Result 99 94 91	Date Analyzed: Prep. Method: %REC Limits 70-130 70-130 70-130	12/8/2004 5030B <b>Analysis</b> 8260B 8260B 8260B
Units: Batch: Analyte MTBE Benzene Toluene Ethyl benzene	μg/L  Result  99  94  91  84	Date Analyzed:  Prep. Method:  %REC Limits  70-130  70-130  70-130  70-130	12/8/2004 5030B Analysis 8260B 8260B 8260B 8260B
Units: Batch: Analyte MTBE Benzene Toluene Ethyl benzene m&p-xylene	Pesult 99 94 91 84 85	Date Analyzed: Prep. Method: %REC Limits 70-130 70-130 70-130 70-130 70-130	12/8/2004 5030B Analysis 8260B 8260B 8260B 8260B 8260B
Units: Batch: Analyte MTBE Benzene Toluene Ethyl benzene m&p-xylene 0-xylene	Pesult 99 94 91 84 85 93	Date Analyzed: Prep. Method: %REC Limits 70-130 70-130 70-130 70-130 70-130 70-130	12/8/2004 5030B Analysis 8260B 8260B 8260B 8260B 8260B 8260B

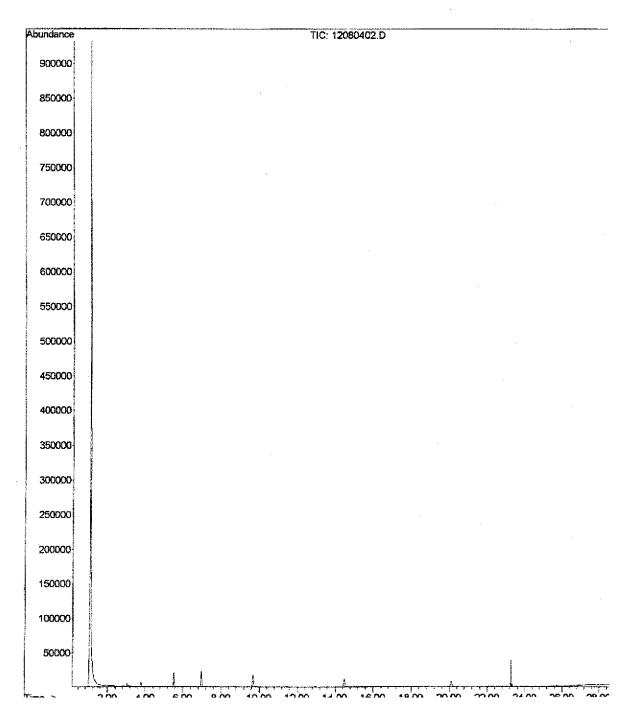
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Operator : THU

Acquired : 8 Dec 2004 10:47 am using AcqMethod VOCOXY

Instrument : PAL GCMS

Sample Name: MB-1

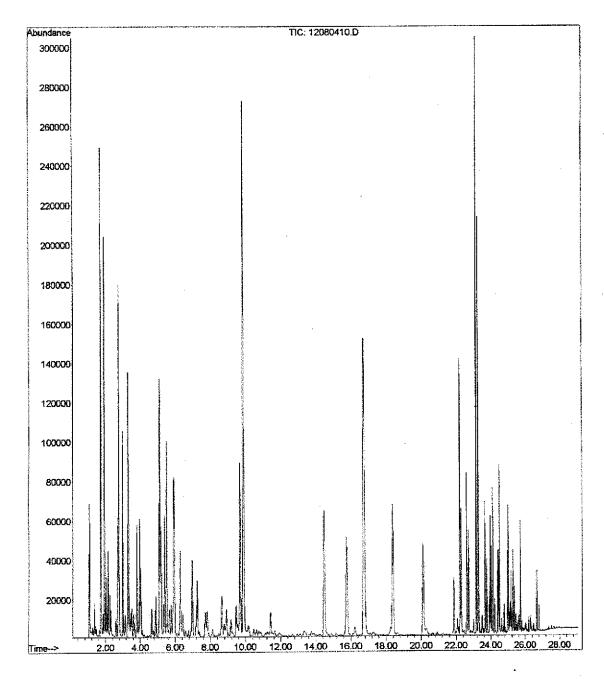


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Operator : THU

Acquired : 8 Dec 2004 Instrument : PAL GCMS 4:41 pm using AcqMethod VOCOXY

Sample Name: MS-103303 GAS

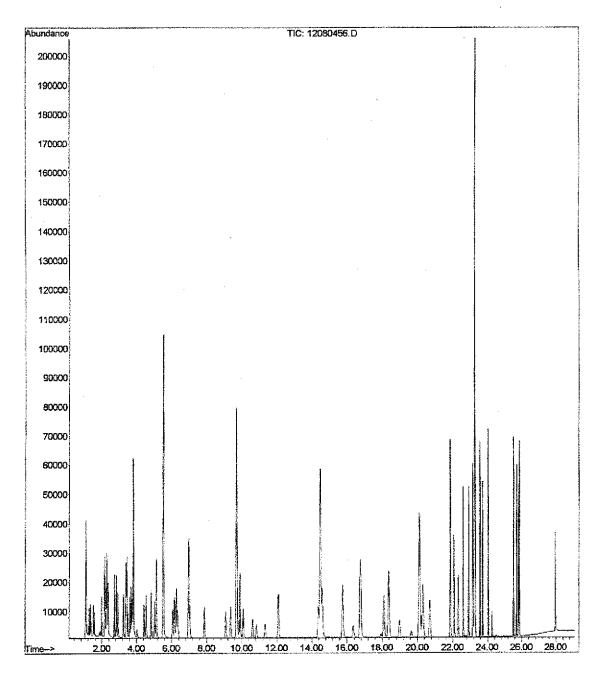


File :C:\MSDChem\1\DATA\2004-Dec-08-1005.b\12080456.D

Operator : THU

Acquired : 10 Dec 2004 8:40 pm using AcqMethod VOCOXY

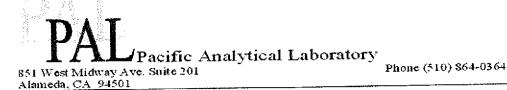
Instrument : PAL GCMS
Sample Name: MSD-103303 VOC



# **Appendix D**

Chain of Custody Forms and Laboratory Reports for the

**Groundwater Extraction Treatment System** 



## LABORATORY REPORT

Prepared For:

SOMA Environmental Engineering Inc.

2680 Bishop Dr.

Suite 203

San Ramon, CA 94583

Attention:

Joyce Bobek

Date: 1/6/2005

Project ID:

Location: Oakland International

Lab Job Number:

1031

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.

Reviewed by: pry 7 / 1916

Laboratory Director

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

510-864-0365 Fax

PAL Login# 1031

Analyses/Method Sampler: Project No: 2333 Mehran Nowicozi Stex, Mile Report To: Joyce Bobek Project Name: oakland Int Company: SOMA Environmental Engineering, Inc. Project P.O.: ----925-244-6600 Turnaround Time: Standard Tel: 925-244-6601 Fax: Trk-3 # of **Preservatives** Sampling Date/Time Containers Matrix Water Waste 'HNO, Sample ID Date Time Soil Lab Field Notes No. SAMPLE Grab 12/6,04 12:30 PM 3-VOAS P=8#1 12,6,0\$ 12:35 PM 12,6104 12:40 PM INFLUENT Received by: Date/Time: , Relinquished by: Date/Time: Sampler Remarks: 1:15 PM THU LE NOTE: EDF OUTPUT REQUIRED Metera Nowrooz 12,6,04

SOMA Environmental	Lab Job # 1031
2680 Bishop Dr.	Project ID: 2333
Suite 203	Project Location: Oakland International
San Ramon, CA 94583	Sampled: 12/6/2004
	Received: 12/6/2004

	Received		
	TP	Hg by GC/MS	and the second s
Field ID:	PSP#1	Lab ID:	1031-01
Type:	Sample	Dilution Factor:	
Matrix:	Water	Date Prep:	12/6/2004
Units:	μg/L	Date Analyzed:	12/7/2004
Batch:	a tagan sa	Method Prep:	5030B
Analyte	Result	Reporting Limit	Analysis
Gasoline (C6-C12)	ND	50	8260B
	BTEX/	MTBE by GC/MS	
Field ID:	PSP#1	Lab ID:	1031-01
Туре:	Sample	Dilution Factor:	and a second line was served
Matrix:	Water	Prep:	12/6/2004
Units:	μg/L	Date Analyzed:	12/7/2004
Batch:		Method Prep:	5030B
Analyte	Result	Reporting Limit	Analysis
MTBE	ND	0.5	8260B
Benzene	ND	0.5	8260B
Toluene	ND	0.5	8260B
Ethyl benzene	ND	0.5	8260B
m&p-xylene	ND	1	8260B
0-xylene	ND	0.5	8260B
Surrogate	% REC	%REC Limits	Analysis
DiBromofluoromethane	83	70-130	8260B
Toluene-d8	95	70-130	8260B

ND= Not Detected

RL= Reporting Limits

		TPHg by GC/MS	an Francisco de Filippo de Mario de Santo de Alba
Field ID:	GAC-J	Lab ID:	1031-02
Туре:	Sample	Dilution Factor:	1
Matrix:	Water	Date Prep:	12/6/2004
Units:	μg/L	Date Analyzed:	12/7/2004
Batch:	1.0	Method Prep:	5030B
Analyte	Result	Reporting Limit	Analysis
Gasoline (C6-C12)	ND	50	8260B
1. 17. 17. 18. 18. 19. 19. 19. 19. 19. 19. 19. 19. 19. 19	<b>B</b> 7	TEX/MTBE by GC/MS	Salar Mari Mari Mari Mari Salar
Field ID:	GAC-1	Lab ID:	1031-02
Туре:	Sample	Dilution Factor:	
Matrix:	Water	Ртер:	12/6/2004
Units:	μg/L	Date Analyzed:	12/7/2004
Batch:		Method Prep:	5030B
Analyte	Result	Reporting Limit	Analysis
MTBE	ND	0.5	8260B
Benzene	ND	0.5	8260B
Toluene	ND	0.5	8260B
Ethyl benzene	ND	0.5	8260B
m&p-xylene	ND	1	8260B
0-xylene	ND	0.5	8260B
Surrogate	% REC	%REC Limits	Analysis
DiBromofluoromethane	84	70-130_	8260B
Toluene-d8	94	70-130	8260B

ND= Not Detected

RL= Reporting Limits

		TPHg by GC/MS	
Field ID:	Influent	Lab ID:	1031-03
Type:	Sample	Dilution Factor:	21.5
Matrix:	Water	Date Prep:	12/6/2004
Units:	μg/L	Date Analyzed:	12/7/2004
	har	The state of the s	5030B
Batch:	•	Method Prep:	5.77 8.47 8.77, 3.75 March 214 1 44 1/2 Section which the book some con-
Analyte	Result	Reporting Limit	Analysis
Gasoline (C6-C12)	3935	1075	8260B
	Bl	TEX/MTBE by GC/MS	
Field ID:	Influent	Lab ID:	1031-03
Type:	Sample	Dilution Factor:	21.5
Matrix:	Water	Prep:	12/6/2004
Units:	μg/L	Date Analyzed:	12/7/2004
Batch:		Method Prep:	5030B
Analyte	Result	Reporting Limit	Analysis
MTBE	1303	10.75	8260B
Benzene	660	10.75	8260B
Toluene	127	10.75	8260B
Ethyl benzene	82	10.75	8260B
m&p-xylene	722	21.5	8260B
0-xylene	301	10.75	8260B
Surrogate	% REC	%REC Limits	Analysis
DiBromofluoromethane	83	70-130	8260B
Toluene-d8	94	70-130	8260B

	TPHak	v GC/MS	
Field ID: Type:	N/A QC	Lab ID: Dilution Factor:	Blank 1
Matrix:	Water	Prep:	12/6/2004
Units:	μ <b>g/L</b>	Date Analyzed:	12/6/2004
Batch:	e santania in termina in termina Personali in termina i		
Analyte	Result	Reporting Limit	Analysis
Gasoline (C6-C12)	ND	50	8260B
and the second of the second o	BTEX/MT	BE by GC/MS	
Field ID:	N/A	Lab ID:	Blank
Type:	QC	Dilution Factor:	1
Matrix:	Water	Prep:	12/6/2004
Units:	µg/L	Date Analyzed:	12/6/2004
Batch:		Prep. Method:	5030B
Analyte	Result	Reporting Limit	Analysis
MTBE	ND	0.5	8260B
Benzene	ND	0.5	8260B
Toluene	ND	0.5	8260B
Ethyl benzene	ND	0.5	8260B
m&p-xylene	ND	1	8260B
0-xylene	ND	0.5	8260B
Surrogate	% REC	%REC Limits	Analysis
Dibromofluoromethane	80	70-130	8260B
Toluene-d8	94	70-130	8260B

	TPHg	by GC/MS	
Field ID:	N/A	Lab ID:	MS
Туре:	QC	Dilution Factor:	1
Matrix:	Water	Prep:	12/6/2004
Units:	μg/L	Date Analyzed:	12/6/2004
Batch:		Prep. Method:	5030B
Analyte	% REC	% REC Limit	Analysis
Gasoline (C6-C12)	106	70-130	8260B
	BTEX/MI	BE by GC/MS	
Field ID:	N/A	Lab ID:	MS
Type:	QC	Dilution Factor:	$\gamma/(1) > \gamma$
Matrix:	Water	Prep:	12/6/2004
Units:	μg/L	Date Analyzed:	12/6/2004
Batch:			
Analyte	% REC.	REC Limit	Analysis
MTBE	98	70-130	8260B
Benzene	130	70-130	8260B
Toluene	130	70-130	8260B
Ethyl benzene	130	70-130	8260B
m&p-xylene	130	70-130	8260B
0-xylene	129	70-130	8260B
Surrogate	% REC	%REC Limits	Analysis
DiBromofluoromethane	80	70-130	8260B
Toluene-d8	93	70-130	8260B

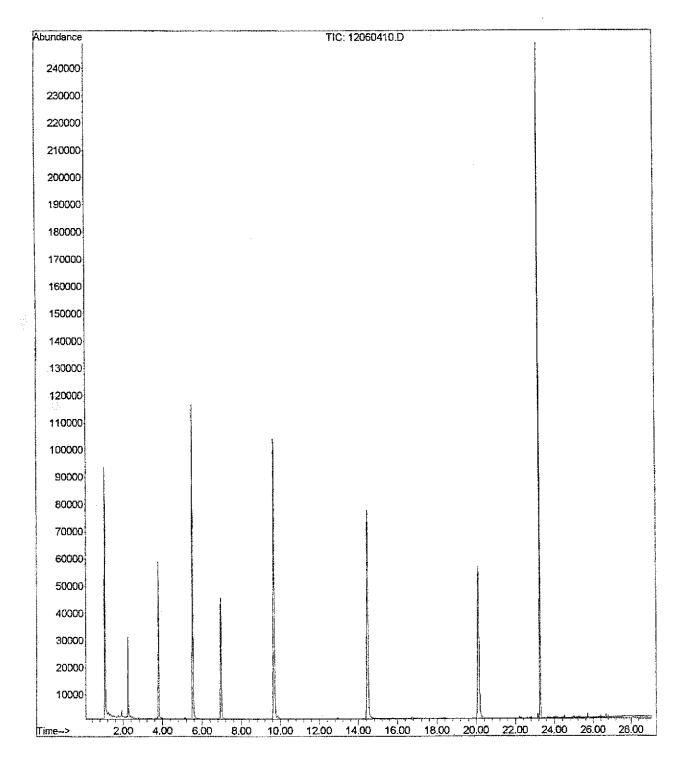
or and the second of the second	TPHg	by GC/MS	ear Seas Seas Seas Seas
Field ID:	N/A	Lab ID:	MSD
*	QC	Dilution Factor:	$\mathbf{I}$
Matrix:	Water	Prep:	12/6/2004
Units:	μg/L	Date Analyzed:	12/6/2004
Batch:	. G	Prep. Method:	5030B
Analyte	Result	Reporting Limit	Analysis
Gasoline (C6-C12)	111	50	8260B
a di Galandia a ang arang a	BTEX/MI	BE by GC/MS	
Field ID:	N/A	Lab ID:	MSD
Туре:	QC	Dilution Factor:	1
Matrix:	Water	Prep:	12/6/2004
Units:	μg/L	Date Analyzed:	12/6/2004
Batch:	STAN STANFAR	Prep. Method:	5030B
Analyte	% REC.	RECLimit	Analysis
MTBE	101	70-130	8260B
Benzene	130	70-130	8260B
Toluene	130	70-130	8260B
Ethyl benzene	130	70-130	8260B
m&p-xylene	135	70-130	8260B
0-xylene	130	70-130	8260B
Surrogate	% REC.	%REC Limits	Analysis
DiBromofluoromethane	79	70-130	8260B
Toluene-d8	94	70-130	8260B

File :C:\MSDChem\1\DATA\2004-Dec-06-1022.b\12060410.D

Operator : THU

Acquired : 6 Dec 2004 4:57 pm using AcqMethod VOCOXY

Instrument : PAL GCMS Sample Name: MB-102501 GAS

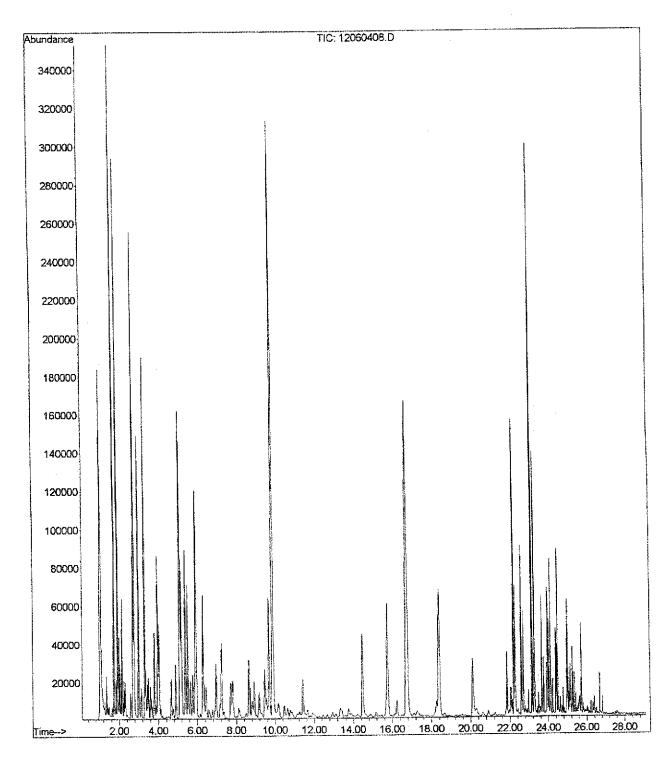


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Operator : THU

Acquired : 6 Dec 2004 3:45 pm using AcqMethod VOCOXY

Instrument : PAL GCMS Sample Name: MS-102501 GAS

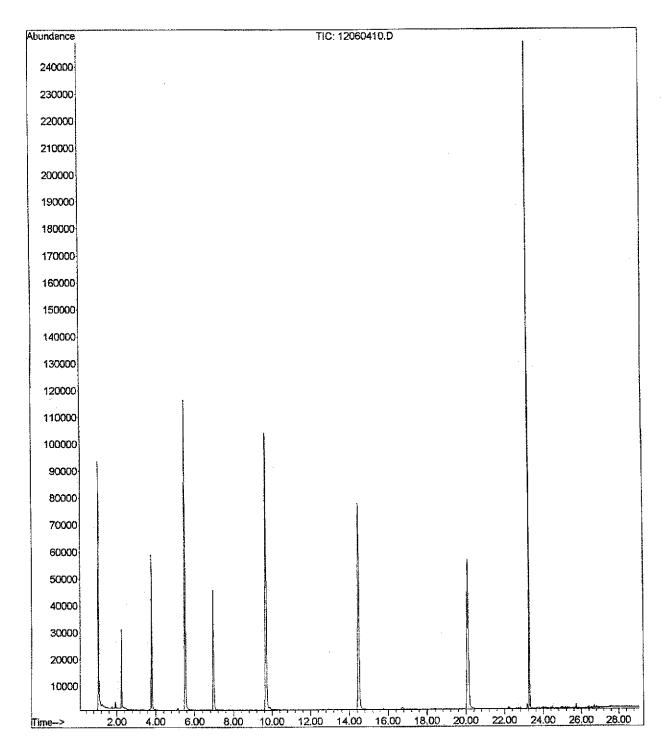


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Operator : THU

Acquired : 6 Dec 2004 4:57 pm using AcqMethod VOCOXY

Instrument : PAL GCMS Sample Name: MB-102501 GAS



Phone (510) \$64-0364

# LABORATORY REPORT

Prepared For:

SOMA Environmental Engineering Inc.

2680 Bishop Dr.

Suite 203

San Ramon, CA 94583

Attention:

Joyce Bobek

Date:

11/20/2004

Project ID:

2333

Location: 3609 International Blvd., Oakland

Lab Job Number:

1009

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.

Reviewed by: NydAh

**Laboratory Director** 

# CHAIN OF CUSTODY

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T.v. 1	Projec	et No: 2333		Перо	rt To	•	Tony Per	lnl															·
	Projec	t Name:3609 Internationa	l Blvd., Oakland	Com	any	*	SOMA Env	ronn	nent	al													
-		round Time: Standard		Telep		77	925-244-66	00					8021B										
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					Ma	trix		P	rese	rvati	ve	015	MARE									ļ	
	Lab No.	Sample ID.	Sampling Time	Date	Soil	Waste	# of Containers	귶	H2SO <sub>4</sub>			TPH-a 8015	BTEX &			•				,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			
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,,	002	GAC-1	11,8,04 11:3	SAH	LX	}- -	3-VOAs	$\otimes$	_	$\rightarrow$	-		祭								<del> -</del>	$-\!\!\!\!+$	
4	<u>003                                   </u>	PSP#1	118104 11	30 AM	HX		3-VOAs			-  ~	+		+								-	-	
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				•			•			: :Dx	VTE/TI	ME									r	DATE	E/T!

SOMA Environmental
2680 Bishop Dr.
Project ID:
2333
Suite 203
Project Location: 3609 International Blvd., Oakland
San Ramon, CA 945
Received: 11/8/2004

	71000770		
	1000	TPHg by GC/MS	
Field ID:	Influent	Lab ID:	110804-001
Туре:	Sample	Dilution Factor:	1
Matrix:	Water	Date Prep:	11/9/2004
Units:	µg/L	Date Analyzed:	11/9/2004
Batch:		Method Prep:	5030B
Analyte	Result	Reporting Limit	Analysis
Gasoline (C6-C12)	252	50	8260B
	BT	EX/MTBE by GC/MS	
Field ID:	Influent	Lab ID:	319804-001
Type:	Sample	Dilution Factor:	21.5
Matrix:	Water	Prep:	11/9/2004
Units:	μg/L	Date Analyzed:	11/9/2004
Batch:			
Analyte	Result	Reporting Limit	Analysis
MTBE	2024	10.75	8260B
Benzene	1146	10.75	8260B
Toluene	156	10.75	8260B
Ethyl benzene	110	10.75	8260B
m&p-xylene	974	21.5	8260B
0-xylene	412	10.75	8260B
Surrogate	% REC	%REC Limits	Analysis
Dibromofluoromethane	89	70-130	8260B
Toluene-d8	82	70-130	8260B

ND= Not Detected

RL= Reporting Limits

The state of the s			
		TPH2 by GC/MS	
Field ID:	GAC-1	Lab ID:	110804-002
Туре:	Sample	Dilution Factor:	
Matrix:	Water	Date Prep:	11/9/2004
Units:	μg/L	Date Analyzed:	11/9/2004
Batch:		Method Prep:	5030B
Analyte	Result	Reporting Limit	Analysis
Gasoline (C6-C12)	ND	50	8260B
	BTI	XMTBE by GC/MS	
Field ID:	GAC-I	Lab ID:	110804-002
Type:	Sample	Dilution Factor:	
Matrix:	Water	Ргер:	11/9/2004
Units:	μg/L	Date Analyzed:	11/9/2004
Batch:		Method Prep:	5030B
Analyte	Result	Reporting Limit	Analysis
MTBE	ND	0.5	8260B
Benzene	ND	0.5	8260B
Toluene	ND	0.5	8260B
Ethyl benzene	ND	0.5	8260B
m&p-xylene	ND	1	8260B
0-xylene	ND	0.5	8260B
Surrogate	% REC	%REC Limits	Analysis
DiBromofluoromethane	89	70-130	8260B
Toluene-d8	82	70-130	8260B

ND= Not Detected

RL= Reporting Limits

		TPHg by GC/MS	
Field ID:	PSP#1	Lab ID:	110804-003
Туре:	Sample	Dilution Factor:	
Matrix:	Water	Date Prep:	11/9/2004
Units:	μg/L	Date Analyzed:	11/9/2004
Batch:		Method Prep:	<i>5</i> 030B
Analyte	Result	Reporting Limit	Analysis
Gasoline (C6-C12)	ND	50	8260B
	<b>B</b> '	TEX/MTBE by GC/MS	
Field ID:	PSP#1	Lab ID:	1/10804-003
Type:	Sample	Dilution Factor:	1
Matrix:	Water	Prep:	11/9/2004
Units:	μg/L	Date Analyzed:	11/9/2004
Batch:			
Analyte	Result	Reporting Limit	Analysis
MTBE	ND	0.5	8260B
Benzene	ND	0.5	8260B
Toluene	ND	0.5	8260B
Ethyl benzene	ND	0.5	8260B
m&p-xylene	ND	1	8260B
0-xylene	ND	0.5	8260B
Surrogate	% REC	%REC Limits	Analysis
Dibromofluoromethane	89	70-130	8260B
Toluene-d8	82	70-130	8260B

TPHg by GC/MS												
Field ID:	N/A	Lab ID:	Blank									
Туре:	QC	Dilution Factor:										
Matrix:	Water	11/11/2004										
Units:	μg/L	Date Analyzed:	11/11/2004									
Batch:												
Analyte	Result	Reporting Limit	Analysis									
Gasoline (C6-C12)	ND	50	8260B									
	BTEX/MTB	E by GC/MS										
Field ID:	N/A	Lab ID:	Blank									
Type:	Sample	Dilution Factor:										
Matrix:	Water	Prep:	11/9/2004									
Units:	μg/L	Date Analyzed:	11/9/2004									
Batch:		Prep. Method:	5030B									
Analyte	Result	Reporting Limit	Analysis									
MTBE	ND	0.5	8260B									
Benzene	ND	0.5	8260B									
Toluene	ND	0.5	8260B									
Ethyl benzene	ND	0.5	8260B									
m&p-xylene	ND	1	8260B									
0-xylene	ND	0.5	8260B									
Surrogate	% REC	%REC Limits	Analysis									
Dibromofluoromethane	92	70-130	8260B									
Toluene-d8	85	70-130	8260B									

	TO SHIFT OF SHIFT OF SHIFT OF SHIFT	by GC/MS	
Field ID:	N/A	Lab ID:	MS
Type:	QC	Dilution Factor:	1
Matrix:	Water	Prep:	/11/11/2004
Units:	μg/L	Date Analyzed:	11/11/2004
Batch:		Prep. Method:	5030B
Analyte	% REC	% REC'Limit	Analysis
Gasoline (C6-C12)	. 79	70-130	8260B
	BTEX/M	TBE by GC/MS	
Field ID:	N/A	Lab ID:	MS
Type:	QC	Dilution Factor:	1
Matrix:	Water	Ргер:	11/9/2004
Units:	μg/L	Date Analyzed:	11/9/2004
Batch:			
Analyte	% REC.	REC Limit	
MTBE	81	8260B	
Benzene	83	8260B	7
Toluene	79	8260B	
Ethyl benzene	92	8260B	
m&p-xylene	92	8260B	
0-xylene	93	8260B	
Surrogate	% REC	%REC Limits	Analysis
Dibromofluoromethane	72	70-130	8260B
Toluene-d8	75	70-130	8260B

	ТРИσ	by GC/MS	
Field ID:	N/A	Lab ID:	MSD
Type:	QC	Dilution Factor:	1.
Matrix:	Water	Prep:	11/11/2004
Units:	µg/L	Date Analyzed:	11/11/2004
Batch:		Prep. Method:	5030B
Analyte	Result	Reporting Limit	Analysis
Gasoline (C6-C12)	77	50	8260B
	BTEX/MI	TBE by GC/MS	
Field ID:	N/A	Lab ID:	MS
Type:	oc	Dilution Factor:	1
Matrix:	Water	Ргер:	11/9/2004
77.1.	μg/L Date Analyzed:		11/9/2004
Units:	ha/r	Date Allaryzeu.	3 13 7 2004
Units: Batch:	hβ.r	Prep. Method:	11/9/2004 5030B
Batch:	μg/L % REC.		The state of the s
		Prep. Method:	5030B
Batch: Analyte	% REC.	Prep. Method: REC Limit	5036B Analysis
Batch: Analyte MTBE	% REC. 107	Prep. Method: REC Limit 70-130	5030B Analysis 8260B
Batch: Analyte MTBE Benzene	% REC. 107 108	Prep. Method:	5030B Analysis 8260B 8260B
Batch: Analyte MTBE Benzene Toluene	% REC. 107 108 105	Prep. Method:  REC Limit  70-130  70-130  70-130	5030B Analysis 8260B 8260B 8260B
Batch: Analyte MTBE Benzene Toluene Ethyl benzene	% REC. 107 108 105 117	Prep. Method: REC Limit 70-130 70-130 70-130 70-130	5030B Analysis 8260B 8260B 8260B 8260B
Batch: Analyte MTBE Benzene Toluene Ethyl benzene m&p-xylene	% REC. 107 108 105 117 233	Prep. Method:  REC Limit  70-130  70-130  70-130  70-130  70-130	5030B Analysis 8260B 8260B 8260B 8260B 8260B
Batch: Analyte  MTBE Benzene Toluene Ethyl benzene m&p-xylene 0-xylene	% REC. 107 108 105 117 233 116	Prep. Method:  REC Limit  70-130  70-130  70-130  70-130  70-130  70-130	5030B Analysis 8260B 8260B 8260B 8260B 8260B 8260B

L= Low Recovery

	TPHg by G	C/MS	
Field ID:	WA	Lab ID:	LCS
Туре:	QC	Dilution Factor:	1
Matrix:	Water	Prep:	11/9/2004
Units:	μg/L	Date Analyzed:	11/9/2004
Batch:			
Analyte	Result	%REC Limits	Analysis
Gasoline (C6-C12)	77	70-130	8260B
	BTEX/MTBE b	y GC/MS	
Field ID:	N/A	Lab ID:	LCS
Type:	QC	Dilution Factor:	1
Matrix:	Water	Prep:	11/9/2004
Units:	μg/L	Date Analyzed:	11/9/2004
Batch:			
Analyte	Result	%REC Limits	Analysis
MTBE	95	70-130	8260B
Benzene	86	70-130	8260B
Toluene	85	70-130	8260B
Ethyl benzene	97	70-130	8260B
m&p-xylene	95	70-130	8260B
0-xylene	95	70-130	8260B
Surrogate	% REC	%REC Limits	Analysis
Dibromofluoromethane	111	70-130	8260B
Toluene-d8	96	70-130	8260B

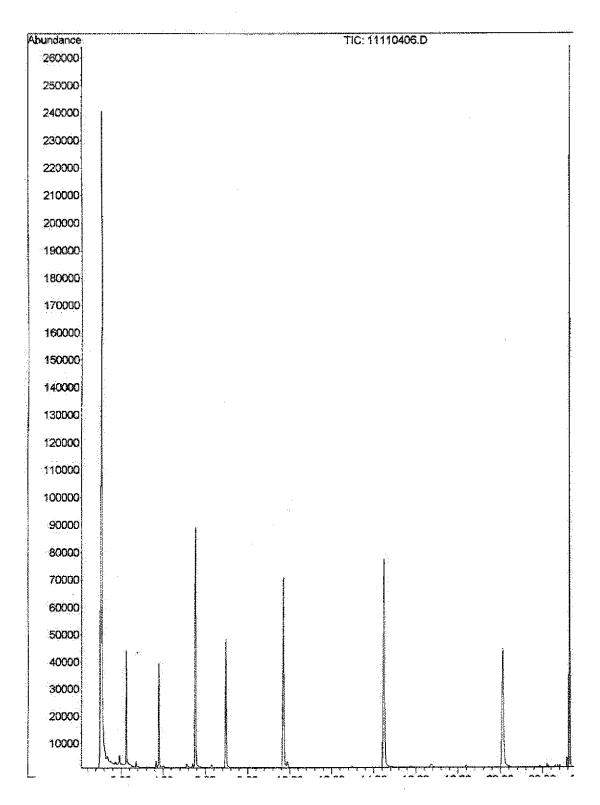
File :C:\MSDChem\1\DATA\2004-Nov-11-1116.b\1111040

Operator : THU

Acquired : 11 Nov 2004 2:33 pm using AcqMethod VOCOX

Instrument : PAL GCMS

Sample Name: BLKN

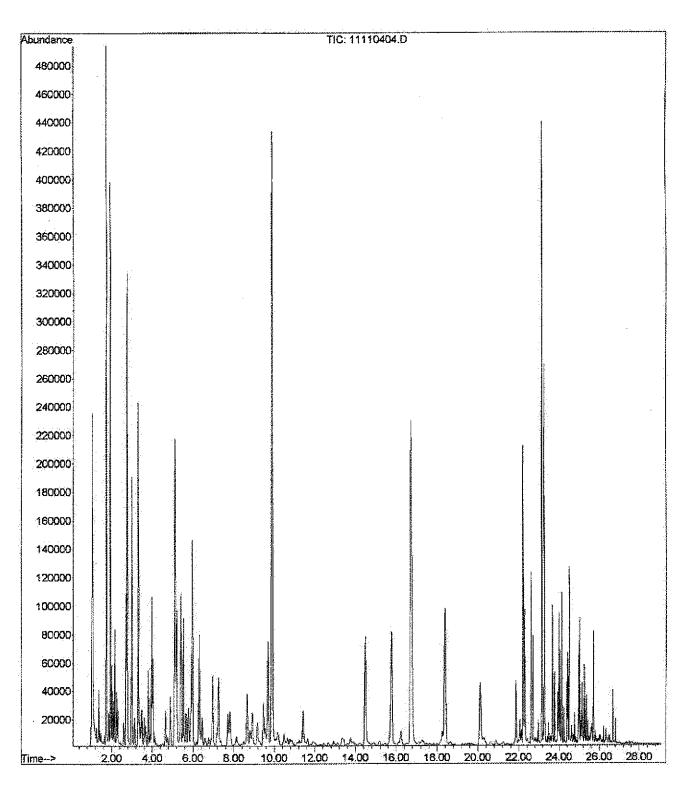


File :C:\MSDChem\1\DATA\2004-Nov-11-1116.b\11110404.D

Operator : THU

Acquired : 11 Nov 2004 1:21 pm using AcqMethod VOCOXY

Instrument : PAL GCMS Sample Name: MS-111101

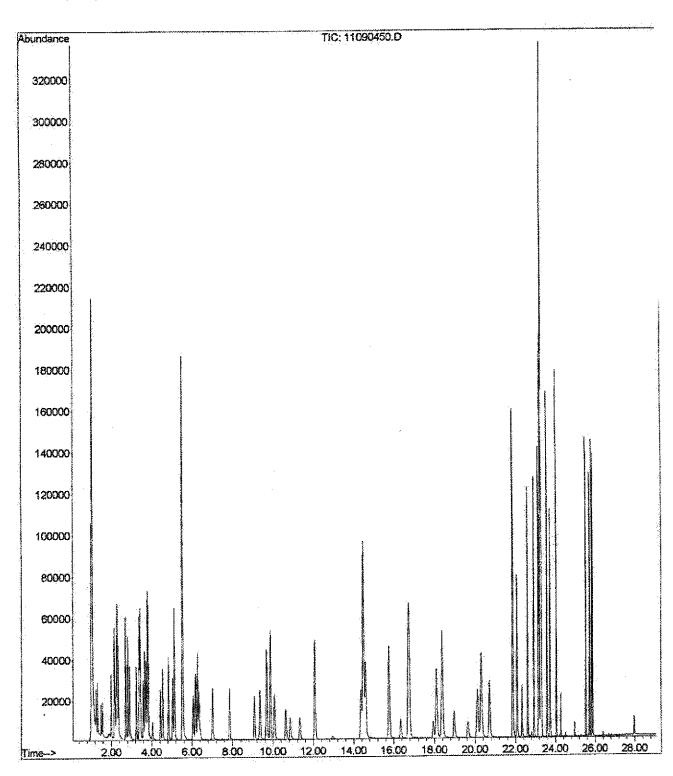


File :C:\MSDChem\1\DATA\2004-Nov-09-0936.b\11090450.D

Operator : THU

Acquired : 10 Nov 2004 5:52 pm using AcqMethod VOCOXY

Instrument : PAL GCMS Sample Name: MS-110901





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

2323 Fifth Street, Berkeley, CA 9471O, Phone (510) 486-0900

### ANALYTICAL REPORT

Prepared for:

SOMA Environmental Engineering Inc. 2680 Bishop Dr. Suite 203 San Ramon, CA 94583

Date: 27-OCT-04 Lab Job Number: 175250

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 Marac

Reviewed by:

perations Manager

This package may be reproduced only in its entirety.

NELAP # 01107CA

Page 1 of 10



#### CASE NARRATIVE

Laboratory number:

175250

Client:

SOMA Environmental Engineering Inc.

Project:

2333

Location:

3609 International Blvd

Request Date:

10/13/04

Samples Received:

10/13/04

This hardcopy data package contains sample and QC results for three water samples, requested for the above referenced project on 10/13/04. The samples were received cold and intact.

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

No analytical problems were encountered.

# CHAIN OF CUSTODY

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## Curtis & Tompkins, Ltd.

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

C&T LOGIN# 175250

Analyses

Project No: 2333

Project Name:3609 International Blvd., Oakland Company:

Turnaround Time: Standard

Sampler: Nehroun Newcooz

Report To: Tony Perini

SOMA Environmental

**Telephone:** 925-244-6600

Fax: 925-244-6601

					triz	K		F					
Lab No.	Sample ID.	Sampling Date Time	Soil	Water	Waste		# of Containers	HCL	H <sub>2</sub> SO <sub>4</sub>	HNO3	3		
-[	Influent	10/13/04 10:40 AM		X			3-VOAs	X			Z		1
<u>-2</u>	GAC-1	10/13/04 10:35AM		Х			3-V.OAs	又		7	X		1
-3	PSP#1	10/13/04/030AM		X			3-VOAs	$\overline{\times}$			X		]
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Notes: EDF OUTPUT REQUIRED
Grab Sample
Totalizer Reading:

Construct PA.1	
Received	
☐ Cold ☐ Ambient ☐ Intact	

REL	INQUI	SHE	) I	31	<b>/:</b>

Mehran Nowrooz DATE/TIME

DATE/TIME

DATE/TIME

RECEIVED BY:

BTEX & MIBE 8021B

TPH-9 8015

Tail Ingram

10/13 1'3pm

DATE/TIME

DATE/TIME



Total Volatile Hydrocarbons 3609 International Blvd 175250 Location: Lab #: EPA 5030B Client: SOMA Environmental Engineering Inc. Prep: Project#: 2333 Sampled: 10/13/04 Matrix: Water 10/13/04 Units: ug/L Received: Diln Fac: 1.000 Analyzed: 10/13/04 Batch#: 95428

Field ID:

Ethylbenzene

Trifluorotoluene (PID)

Bromofluorobenzene (PID)

INFLUENT

SAMPLE

Lab ID:

175250-001

EPA 8021B

0.50

Type:	
-------	--

Analyte	Result	RL		Analy	sis
Gasoline C7-C12	1,900	50	EPA	8015B	
MTBE	520	2.0	EPA	8021B	
Benzene	240	0.50	EPA	8021B	
Toluene	24	0.50	EPA	8021B	

•	m,p-Xylenes		130		0.50	EPA 8021B	
	m,p-Xylenes o-Xylene		100		0.50	EPA 8021B	
l			<u> </u>				
l	Surrogate	%REC	Limits	Analy	91.S		
	Trifluorotoluene (FID)	109	70-141	EPA 8015B			•
	Bromofluorobenzene (FID)	92	80-143	EPA 8015B			

59-133 EPA 8021B

13

76-128

97

91

Field ID:

GAC-1

Lab ID:

EPA 8021B

175250-002

Type:	
-------	--

SAMPLE

Analyte	Result	RL		Analysis
Gasoline C7-C12	ND	50	EPA	8015B
MTBE	ND	2.0	EPA	8021B
Benzene	ND	0.50	EPA	8021B
Toluene	ND	0.50	EPA	8021B
Ethylbenzene	ND	0.50	EPA	8021B
	ND	0.50	EPA	8021B
m,p-Xylenes o-Xylene	ND .	0.50	EPA	8021B

	Surrogate	\$RE	C Limits		Analysis
Ì	Trifluorotoluene (FID)	87	70-141	EPA	8015B
	Bromofluorobenzene (FID)	92	80-143	EPA	8015B
١	Trifluorotoluene (PID)	93	59-133	EPA	8021B
1	Bromofluorobenzene (PID)	97	76-128	EPA	8021B

ND= Not Detected

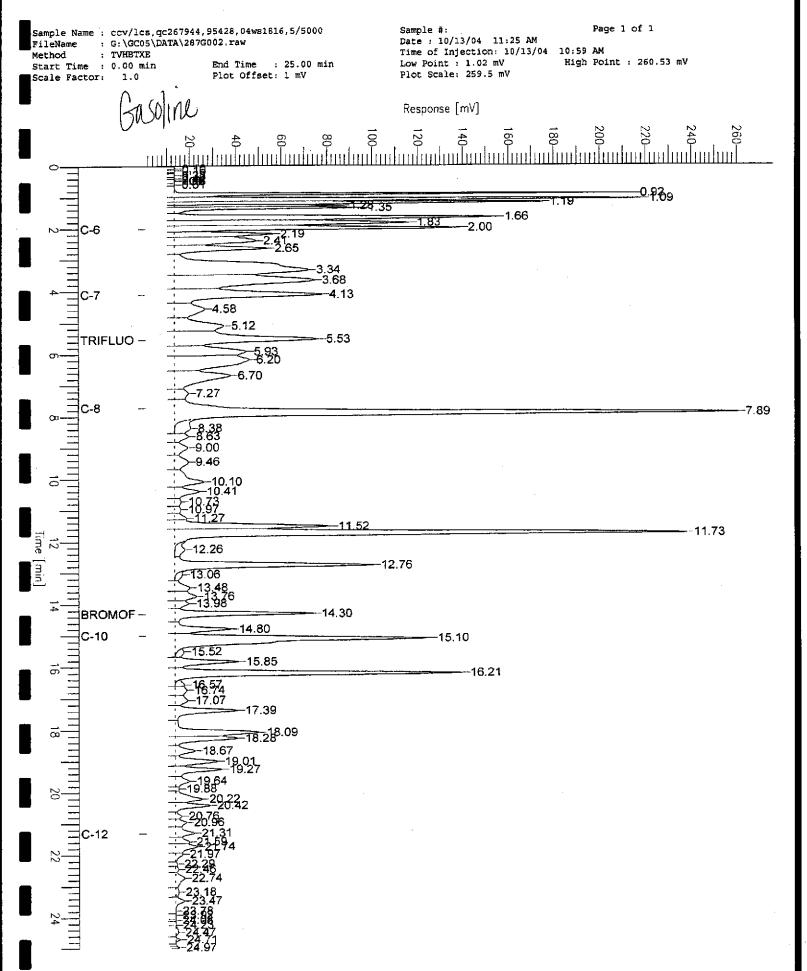
RL= Reporting Limit

Page 1 of 2

### Chromatogram

Page 1 of 1 Sample Name : 175250-001,95428 Sample #: a1.0 Date: 10/14/04 09:02 AM FileName : G:\GC05\DATA\287G010.raw Time of Injection: 10/13/04 05:52 PM : TVHBTXE High Point : 508.55 mV Start Time : 0.00 min End Time : 25.00 min Low Point : -12.31 mV Scale Factor: 1.0 Plot Offset: -12 mV Plot Scale: 520.9 mV influent Response [mV] -0.36 -0.931.37 1.67 -1.87 C-6  $\frac{222}{244}$ 2.67 3.34 3.56 C-7 4.17 4.67 **-5.4**7.55 TRIFLUO -6.21 -6.70 7.42 C-8 <del>----</del>-7.91 -9.01 9.47 10.42 19.65 11.26 -~11.74 -12.27 12.78 13.69 13.99 BROMOF -14.32 14.81 C-10 <del>15.25</del>.13 <u>15.59</u> 15.86 16.23 16.77 -17.10 17.41 17.78 -18.12 18.28 -18.67 18.67 19.02 19.28 19.91 20.23 20.44 20.77 21.07 21.32 21.60 21.76 C-12 21.99 -22.30 > 22.72 -23.14 >--23.47 -23.93

### Chromatogram





Total Volatile Hydrocarbons 3609 International Blvd Lab #: 175250 Location: EPA 5030B SOMA Environmental Engineering Inc. Prep: Client: Project#: 2333 10/13/04 Sampled: Water Matrix: Received: 10/13/04 ug/L Units: Analyzed: 10/13/04 1.000 Diln Fac: 95428 Batch#:

Field ID:

PSP#1

Lab ID:

175250-003

Type:

SAMPLE

Analyte	Result	RL	Analysis
Gasoline C7-C12	ND	50	EPA 8015B
MTBE	ND	2.0	EPA 8021B
Benzene	ND	0.50	EPA 8021B
Toluene	ND	0.50	EPA 8021B
Ethylbenzene	ND	0.50	EPA 8021B
m,p-Xylenes	ND	0.50	EPA 8021B
o-Xylene	ND	0.50	EPA 8021B

Surrogate	%REC	Limits		Analysis
Trifluorotoluene (FID)	83	70-141	EPA	8015B
Bromofluorobenzene (FID)	87	80-143	EPA	8015B
Trifluorotoluene (PID)	87	59-133	EPA	. 8021B
Bromofluorobenzene (PID)	92	76-128	EPA	8021B

Type:

BLANK

Lab ID:

QC267942

Analyte	Result	RL	Analysis	
Gasoline C7-C12	ND	50	EPA 8015B	
MTBE	ND	2.0	EPA 8021B	
Benzene	ND	0.50	EPA 8021B	
Toluene	ND	0.50	EPA 8021B	
Ethylbenzene	ND	0.50	EPA 8021B	
m,p-Xylenes	ND	0.50	EPA 8021B	
o-Xylene	ND	0.50	EPA 8021B	

Surrogate	%REC	Limits		Analysis
Trifluorotoluene (FID)	81	70-141	EPA	8015B
Bromofluorobenzene (FID)	85	80-143	EPA	8015B
Trifluorotoluene (PID)	85	59-133	EPA	8021B
Bromofluorobenzene (PID)	89	76-128	EPA	8021B

ND= Not Detected RL= Reporting Limit

Page 2 of 2



Batch QC Report

Lab #: Client:	175250 SOMA Environmental Engineering Inc.	Location: Prep:	3609 International Blvd EPA 5030B
Project#:	2333	Analysis:	EPA 8021B
Туре:	LCS	Diln Fac:	1.000
Lab ID:	QC267943	Batch#:	95428
Matrix:	Water	Analyzed:	10/13/04
Units:	ug/L	·	

Analyte	Spiked	Result	%REC	Limit#
MTBE	20.00	22.77	114	67-124
Benzene	20.00	21.23	106	80-120
Toluene	20.00	21.66	108	80-120
Ethylbenzene	20.00	22.10	111	80-120
m,p-Xylenes	20.00	19.76	99	80-120
o-Xylene	20.00	22.55	113	80-120

Surrogate	%RI	EC Limits	
Trifluorotoluene (PID)	89	59-133	
Bromofluorobenzene (PID)	94	76-128	



Batch QC Report

	Total V	Volatile Hydrocarbons	1
Lab #:	175250	Location:	3609 International Blvd
Client:	SOMA Environmental Engineering	ng Inc. Prep:	EPA 5030B
Project#:	2333	Analysis:	EPA 8015B
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC267944	Batch#:	95428
Matrix:	Water	Analyzed:	10/13/04
Units:	ug/L		<u> </u>

Analyte		Result	<b>EREC</b>	Limits
Gasoline C7-C12	2,000	1,770	89	80-120

	Surroga	te	%REC	Limits
ſ	Trifluorotoluene	(FID)	114	70-141
	Bromofluorobenzen	e (FID)	95	80-143



Batch QC Report

			Total Volatil	e Hydrocarbons	
Lab #:	175250			Location:	3609 International Blvd
Client:	SOMA E	nvironmental	Engineering Inc.	Prep:	EPA 5030B
Project#:	2333			Analysis:	EPA 8015B
Field ID:		PSP#1		Batch#:	95428
MSS Lab II	): ,	175250-003		Sampled:	10/13/04
Matrix:		Water		Received:	10/13/04
Units:		ug/L		Analyzed:	10/13/04
Diln Fac:		1.000			

Type:

MS

Lab ID: QC268034

Analyte	MSS Result	Spiked	Result	4RE	SECTION SECTION
Gasoline C7-C12	21.82	2,000	1,833	91	80-120

Surrogate	*REC	Limita	
Trifluorotoluene (FID)	120	70-141	
Bromofluorobenzene (FID)	99	80-143	

Type:

MSD

Lab ID:

QC268035

Analyte		Result	%REC	Limits	30 (d.) 13	Lim
Gasoline C7-C12	2,000	1,822	90	80-120	1	20

Surrogate	*RBC	Limits
Trifluorotoluene (FID)	121	70-141
Bromofluorobenzene (FID)	95	80-143