February 26, 2004 RO 413

Alameda County

MAR 0 8 2004

Environmental Health

Mr. Amir Gholami
Hazardous Materials Specialist
Alameda County Health Care Services Agency
Environmental Health Services
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

Re: Property on 1970 Seminary Ave, Oakland CA

Dear Mr. Gholami:

Enclosed please find a copy of the January 2004 Ground Water Sampling Report dated February 18, 2004, prepared by Hoexter Consulting, Inc.

I have made several attempts via phone and U.S, mail to communicate and understand your requirements for a revised work plan on the above property. With all due respect, I would appreciate acknowledgment of my request to revise the work plan so that I may begin the process with my consultant. Please refer to letters dated August 22, 2003 and November 15, 2003. (Copies also enclosed). As I stated before, we wish to remain in accordance with the agency and I welcome your direction in this matter and appreciate your prompt response.

Sincerely,

Angel LaMarca, (on behalf of Doyle, E. Grimit)
945 S. Lehigh Dr.
Anaheim Hills, CA 92807
714-282-7475 home
714-493-0121 cell phone, voicemail
angelcpt@pacbell.net

encl
cc: David Hoexter, Hoexter Consulting, Inc

November, 15 2003

Mr. Amir Gholami
Hazardous Materials Specialist
Alameda County Health Care Services Agency
Environmental Health Services
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

Re: Property on 1970 Seminary Ave, Oakland CA

Dear Mr. Gholami:

As of my last correspondence to you, dated August 22, 2003. I requested approval to revise a work plan for the property listed above.

Your prompt response is appreciated as I had concerns that my request would require you to approve the change in work plan. I would like to know that it is possible before I incur the cost of re-writing another work plan.

Please confirm receipt of this letter and advise me of your required time to re-submit a new work plan. Upon receipt of your response, I will begin the process and remain within the time frame you require. My apologies if there have been any misunderstandings. I wish to remain in accordance with the Agency.

Sincerely,

Angel LaMarca, (on behalf of Doyle, E. Grimit)
945 S. Lehigh Dr.
Anaheim Hills, CA 92807
714-282-7475 home
714-493-0121 cell phone, voicemail

encl
cc: David Hoexter, Hoexter Consulting, Inc

August 22, 2003

Mr. Amir Gholami
Hazardous Materials Specialist
Alameda County Health Care Services Agency
Environmental Health Services
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

Re: Property on 1970 Seminary Ave, Oakland CA

Dear Mr. Gholami:

Enclosed please find a copy of the July 2003 Ground Water Sampling Report dated August 17, 2003, prepared by Hoexter Consulting, Inc.

As you are already aware, the latest Workplan for the property, prepared by Erler & Kalinowski, Inc. (EKI), dated 19 August 2002, which was approved by your predecessor, Eva Chu, has been delayed due to legal proceedings with the existing tenant on the property. Implementation of EKI's Workplan required that the existing tenant be removed from the property and that the existing buildings be demolished. The financial impact on my great grandfather would be too great to pursue legal eviction of the tenant solely for the purpose of an extremely aggressive remediation, which the EKI Workplan proposed.

It is for this reason that I respectfully request an extension in order for my current consultant, Hoexter Consulting, Inc., to prepare a revised Workplan for remediation on the property that does not require tenant eviction or demolition of site buildings.

It is anticipated that a revised Workplan can be provided to Alameda County within 60 days of this letter. If this request is acceptable to you, please respond to me in writing. Otherwise, please contact me with any questions or concerns.

Sincerely,

Angel LaMarca, (on behalf of Doyle, E. Grimit)
945 S. Lehigh Dr.
Anaheim Hills, CA 92807
714-282-7475 home
714-493-0121 cell phone, voicemail

encl
cc: David Hoexter, Hoexter Consulting, Inc

JANUARY 2004
GROUND WATER SAMPLING REPORT
FOR
STID 553 - GRIMIT AUTO AND REPAIR
1970 SEMINARY AVENUE
OAKLAND, CALIFORNIA

February 18, 2004

Prepared by

HOEXTER CONSULTING, INC.
734 Torreya Court
Palo Alto, California 94303-4160

650-494-2505 (ph) (650) 494-2515 (fax)

Geology / Engineering Geology / Environmental Studies

HOEXTER CONSULTING, INC.
David F. Hoexter, RG-3536/CEG-1158/REA1-762

734 Torreya Court
Palo Alto, California 94303-4160

650-494-2505 (ph) (650) 494-2515 (fax)

February 18, 2004

E-10-1E-391E
HCQuartEnvtRpts:Sem.1970/20(1/04)

Mr. Doyle Grimit
c/o Angel La Marca
945 S. Lehigh St.
Anaheim Hills, California 92807

RE: **JANUARY, 2004**
GROUND WATER SAMPLING REPORT
STID 553 - GRIMIT AUTO AND REPAIR
1970 SEMINARY AVENUE
OAKLAND, CALIFORNIA

Dear Mr. Grimit:

Enclosed is our January, 2004 ground water sampling report for the property located at 1970 Seminary Avenue, corner of Harmon Avenue, in Oakland, California. Sampling at the site dates from August, 1990. The results of previous sampling events are included in the analytical results summary tables.

The results of this investigation indicate that the water samples from the nine wells continue to range from relatively low to elevated levels of total petroleum hydrocarbons as gasoline (TPH-G); purgeable aromatic compounds (BTEX) and MTBE; oil (total recoverable petroleum hydrocarbons, TRPH); and halogenated volatile compounds (HVOC). The analyses indicate that all analyzed compounds remain at levels of the same order-of-magnitude as previous results, with an overall although highly variable average decrease in petroleum hydrocarbon contaminant concentrations and variable increases and decreases in HVOC concentrations since initiation of sampling.

Ground water elevations rose from the previous July 2003 sampling event. Ground water gradient directions, which differ between the "shallow" and "deep" wells, were consistent with previous sampling events.

We recommend that copies of the enclosed report be submitted to the Alameda County Health Care Services Agency. The next round of sampling is currently scheduled to be conducted during July, 2004. We understand that requirements for a corrective action work plan are currently being prepared by the Agency.

We appreciate the opportunity to provide services to you on this project and trust this report meets your needs at this time. If you have any questions, or require additional information, please do not hesitate to call.

Very truly yours,

HOEXTER CONSULTING, INC.

David F. Hoexter, RG/CEG/REA (Geology registrations expire 11/30/05)
Principal Geologist

Copies: Addressee (1)

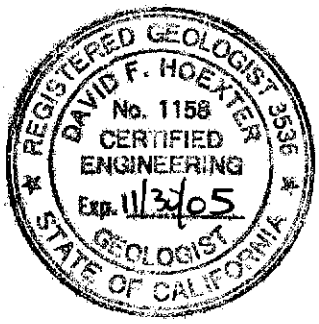
JANUARY 2004
GROUND WATER SAMPLING REPORT

For

STID 553 - Grimit Auto and Repair
1970 Seminary Avenue
Oakland, California

To

Mr. Doyle Grimit
c/o Angel La Marca
945 S. Lehigh St.
Anaheim Hills, California 92807



February 18, 2004

David F. Hoexter, RG/CEG/REA
Principal Geologist

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JANUARY 2004
GROUND WATER SAMPLING REPORT
FOR
STID 553 - GRIMIT AUTO AND REPAIR
1970 SEMINARY
OAKLAND, CALIFORNIA

1.0 INTRODUCTION

This report presents the results of the January 2004 ground water sampling at 1970 Seminary Avenue, Oakland, California. The project location is shown on the Location Map, Figure 1. The scope of services provided during this investigation consisted primarily of collecting and analyzing ground water samples from each of the nine monitoring wells installed at the site. Ground water samples were analyzed for petroleum hydrocarbons and halogenated volatile organic compounds. Well and other previous sampling locations are shown on Figure 2, Site Plan.

2.0 FIELD INVESTIGATION

The ground water monitoring wells were sampled by representatives of Hoexter Consulting, Inc. Due to past, very slow equilibration of ground water levels, the well caps were loosened on January 23, 2004 (approximately four days prior to the planned water level measurement, purging and sampling). The wells were then secured with the caps sufficiently loose to allow venting, and left to equilibrate until they were sampled. The wells were purged and sampled following water level measurements on January 27, 2004.

As noted, the well caps were loosened prior to the water level measurement, to allow the water level in the wells to equilibrate. Following ground water level measurement (Table 1) at the time of purging, each well was checked for free-product with the bailer, and then three to four well-casing volumes of water were purged from the well. A dedicated polyethylene bailer was employed for each well. Ground water parameters, including temperature, pH and specific conductivity, were measured prior to and following each purge volume removal.

The samples were collected using the dedicated bailer, placed in appropriate sample containers supplied by the analytical laboratory, labeled, and placed in refrigerated storage for transport to the laboratory under chain-of-custody control. All sampling equipment was thoroughly cleaned with "Alconox" detergent and rinsed with distilled water prior to sampling the well. Monitoring well sampling logs and the chain of custody are attached to this report as a part of Appendix A.

Prior to purging, ground water levels were measured in each well using the top of 2-inch PVC casing (generally the north side) as reference point. The average ground water elevation rose in all wells compared to the prior (July 2003) sampling event. The five "deeper" wells averaged an elevation increase of 2.36 feet, with each of the wells increasing in elevation; the "shallow" wells increased an average of 2.18 feet, with all four measured wells increasing in elevation.

Well-top elevations, depth to water, and calculated water-surface elevations are presented in Table 1. These data have been used to generate the Ground Water Contour and Gradient Direction Maps, Figures 3A ("shallow wells") and 3B ("deep wells").

Table 1B summarizes the ground water gradient direction and inclination data for the site, including previous measurements. The ground water gradient direction and inclination are essentially consistent with the previous data. The data for the four "shallow" wells indicate a gradient direction towards Seminary Avenue. The apparent gradient varies across the site, but averages 0.19 foot per foot in the source area. The approximate gradient direction is N 60° W. The data for the five "deeper" wells indicate an opposing gradient direction away from Seminary Avenue towards the east and southeast. The apparent gradient varies across the site, but averages 0.09 foot per foot near the source area. The approximate gradient direction is S 77° E.

The data appear to indicate a downward gradient from a relatively shallow (perched ?) zone represented by the "shallow" wells to the deeper zone represented by the "deeper" wells, particularly in the source area. Based on the slow equilibration and recovery time following purging, we infer a relatively slow ground water flow rate, despite the unusually steep gradient.

3.0 ANALYTICAL RESULTS

3.1 Laboratory Procedures

The ground water samples were analyzed by McCampbell Analytical, Inc. of Pacheco, California. McCampbell Analytical is certified by the State of California EPA/DTSC for the conducted analyses. The samples were analyzed as follows:

- Total petroleum hydrocarbons as gasoline (TPH-G) using EPA Method 5030/8015.
- Purgeable aromatic compounds (BTEX) and MTBE using EPA Method 8020.
- Oil and grease (total recoverable petroleum, TRPH) using SM 5520B/F, gravimetric with cleanup.
- Halogenated volatile organic compounds (HVOC) by EPA Method 8010.

3.2 Observations and Analytical Results

Free-phase product (visually appearing as a thick oily sheen) was observed in well MW-1 following the initial sounding. This occurrence is typical of MW-1. There was insufficient product to measure the thickness. Wells MW-4 and MW-5 exhibited visual sheen following the initial purge volume. A sheen is common for these wells. All wells with the exception of MW-8 dewatered (i.e. contained less than 3 or 4 feet of standing water) prior to completion of a complete four-volume purge. Three well volumes were removed from each of these wells. In most cases, these wells recovered to near or greater than 80 per cent of initial water level prior to being sampled.

The results of the chemical analyses are summarized on Tables 2 through 6 and are attached to this report as a part of Appendix A. Analytical results of all previous testing are also included in the tables. The results in Tables 4 and 5 are of parameters not currently tested for; the results in Table 6 are from a one-time sampling event during February, 2002. The current analytical results indicate that TRPH, TPH-G, and BTEX compounds, as well as HVOCs, are present at elevated levels which are generally on the same order of magnitude as the most recent, previous analyses.

TPH-G and BTEX levels generally decreased, continuing the generally downward trend over the life of the wells. Detected levels in wells MW-2 through 9, as during previous sampling

events, are generally one to two orders of magnitude less than in MW-1. Oil/grease were detected in well MW-1 and MW-4 only. Various HVOCs were detected in each well, with the exception of wells MW-1, -3, -5 and -9. The detection limits in MW-1, however, were elevated to 50 ppb, and thus HVOC may be present in this well (as during previous sampling events) at concentrations of less than 50 ppb. HVOC commonly increased in the remaining five wells, with the exception of well MW-8.

4.0 CONCLUSIONS AND RECOMMENDATIONS

All nine wells were available for sampling.

Overall contaminant levels remain elevated, with moderate average decreases of TPH-G and BTEX from the previous sampling event. Concentrations of the HVOC compounds varied, with a general increase in concentrations of various individual compounds. Over the life of the wells, concentrations of petroleum hydrocarbon compounds have declined. Concentrations of HVOCs have variably increased and declined.

The Alameda County Health Care Services Agency previously concurred with our recommendation that a corrective action plan (CAP) be prepared to address the site conditions. We understand that requirements for a corrective action work plan are currently being prepared by the Agency.

5.0 LIMITATIONS

This report has been prepared according to generally accepted geologic and environmental practices. No other warranty, either expressed or implied as to the methods, results, conclusions or professional advice provided is made. It should be recognized that certain limitations are inherent in the evaluation of subsurface conditions, and that certain conditions may not be detected during an investigation of this type. If you wish to reduce the level of uncertainty associated with this study, we should be contacted for additional consultation.

The analysis, conclusions and recommendations contained in this report are based on site conditions as they existed at the time of our investigation; review of previous reports relevant to the site conditions; and laboratory results from an outside analytical laboratory. Changes in the information or data gained from any of these sources could result in changes in our conclusions or recommendations. If such changes do occur, we should be advised so that we can review our report in light of those changes.

* * * * * * * * * * * * * * * * * * * *

TABLE 1A

GROUND WATER ELEVATION DATA
(All Measurements in Feet)

Well Number and Date of Measurement	Reference Elevation (2)	Depth To Water	Relative Ground Water Elevation (2)
MW-1 ("deep")			
8/6/90	37.0	21.5	15.5
1/28/92		21.0	16.0
4/27/92		20.95	16.05
8/10/92		22.20	14.8
2/11/94		15.93 (3)	21.07 (3)
2/28/94		13.85 (4)	23.15 (4)
9/9/94		20.19	16.81
12/28/94		14.91	22.09
4/13/95		14.18	22.82
11/1/95		20.90	16.10
3/8/96		11.82	25.18
3/25-26/96	36.97	13.54	23.43
10/7/96		21.41	15.59
1/15/97		13.34	23.63
6/23/97	36.99	19.91	17.08
10/6/97		21.55	15.44
12/12/98		16.24	20.75
4/24/99		14.21	22.78
12/18/99		19.28	17.71
7/22/00		21.93	15.93
1/29/01		19.49	17.50
7/28/01		19.84	17.15
2/3/02		16.03	20.96
7/23/02		20.45	16.54
1/20/03		15.08	21.91
7/30/03		19.06	17.93
1/27/04		16.45	20.54
MW-2 ("deep")			
2/11/94	36.40	14.16 (3)	22.24 (3)
2/28/94		16.01 (4)	20.39 (4)
9/9/94		18.96	17.44
12/28/94		21.42	14.98
4/13/95		19.69	16.71
11/1/95		21.91	14.49
3/8/96		14.56 (6)	21.84 (6)
3/25-26/96	36.39	10.84	25.55
10/7/96		18.41	17.98
1/15/97		10.07	26.32
6/23/97	36.40	13.73	22.67
10/6/97		17.03	19.37
12/12/98		11.39	25.01

Well Number and Date of Measurement	Reference Elevation (2)	Depth To Water	Relative Ground Water Elevation (2)
MW-2 ("deep") cont'			
4/24/99		10.45	25.95
12/18/99		13.22	23.18
7/22/00		13.73	22.67
1/29/01		12.25	24.15
7/28/01		16.73 (6)	19.67 (6)
2/3/02		11.40	25.00
7/23/02		13.42	22.98
1/20/03		10.49	25.91
7/30/03		13.47	22.93
1/27/04		11.72	24.68
MW-3 ("shallow")			
2/11/94	36.94	6.97 (3)	29.97 (3)
2/28/94		7.74 (4)	29.20 (4)
9/9/94		9.68	27.26
12/28/94		8.15	28.79
4/13/95		8.05	28.89
11/1/95		7.82	29.12
3/8/96		5.69	31.25
3/25-26/96	36.94	6.91	30.03
10/7/96		9.51	27.43
1/15/97		6.23	30.71
6/23/97	36.94	9.65	27.29
10/6/97		10.53	26.41
12/12/98		7.12	29.82
4/24/99		7.17	29.77
12/18/99		8.51	28.43
7/22/00		9.41	27.53
1/29/01		7.23	29.71
7/28/01		8.63	28.31
2/3/02		7.99	28.95
7/23/02		10.17	26.77
1/20/03		6.76	30.18
7/30/03		10.13	26.81
1/27/04		7.65	29.29
MW-4 ("deep")			
3/25-26/96	36.46	14.14	22.32
10/7/96		22.31	14.15
1/15/97		13.78	22.68
6/23/97	36.47	20.90	15.57
10/6/97		22.77	13.60
12/12/98		17.16	19.31
4/24/99		14.55	21.92
12/18/99		20.46	16.01
7/22/00		20.67	15.80

Well Number and Date of Measurement	Reference Elevation (2)	Depth To Water	Relative Ground Water Elevation (2)
MW-4 ("deep") cont'			
1/29/01		18.06	18.41
7/28/01		20.80	15.67
2/3/02		15.53	20.94
7/23/02		20.26	16.21
1/20/03		15.26	21.21
7/30/03		20.23	16.24
1/27/04		17.15	19.32
MW-5 ("deep")			
10/7/96		22.86	13.91
1/15/97		17.33	19.44
6/23/97	36.77	21.91	14.86
10/6/97		24.26	12.51
12/12/98		20.66	16.11
4/24/99		17.19	19.58
12/18/99		22.71	14.06
7/22/00		21.42	15.35
1/29/01		20.79	15.98
7/28/01		21.07	15.70
2/3/02		17.67	19.10
7/23/02		20.16	16.61
1/20/03		17.21	19.56
7/30/03		20.32	16.45
1/27/04		18.34	18.43
MW-6 ("shallow")			
3/25-26/96	36.42	8.52	27.90
10/7/96		12.82	23.60
1/15/97		7.72	28.70
6/23/97	36.42	11.42	25.00
10/6/97		12.67	23.75
12/12/98		9.15	27.27
4/24/99		8.56	27.86
12/18/99		10.53	25.89
7/22/00		11.50	24.92
1/29/01		9.34	27.08
7/28/01		N/A	N/A
2/3/02		9.32	27.10
7/23/02		11.33	25.09
1/20/03		8.49	27.93
7/30/03		11.35	25.07
1/27/04		9.20	27.22

Well Number and Date of Measurement	Reference Elevation (2)	Depth To Water	Relative Ground Water Elevation (2)
MW-7 ("deep")			
6/23/97	36.83	19.93	16.90
10/6/97		21.43	15.40
12/12/98		16.56	20.27
4/24/99		14.48	22.35
12/18/99		19.40	17.43
7/22/00		19.85	16.98
1/29/01		17.59	19.24
7/28/01		20.05	16.78
2/3/02		15.89	20.94
7/23/02		19.57	17.26
1/20/03		15.36	21.47
7/30/03		19.21	17.62
1/27/04		16.84	19.99
MW-8 ("shallow")			
6/23/97	36.55	5.74	30.81
10/6/97		5.69	30.86
12/12/98		4.01	32.54
4/24/99		4.40	32.15
12/18/99		4.91	31.64
7/22/00		5.47	31.08
1/29/01		3.01	33.54
7/28/01		4.92	31.63
2/3/02		3.82	32.73
7/23/02		5.11	31.44
1/20/03		3.57	32.98
7/30/03		5.23	31.32
1/27/04		4.26	32.29
MW-9 ("shallow")			
6/23/97	36.70	17.04	19.66
10/6/97		19.17	20.53
12/12/98		14.18	22.52
4/24/99		12.33	24.37
12/18/99		16.14	20.56
7/22/00		15.78	20.92
1/29/01		14.65	22.05
7/28/01		15.33	21.37
2/3/02		12.59	24.11
7/23/02		15.27	21.43
1/20/03		12.27	24.43
7/30/03		14.85	21.85
1/27/04		11.72	24.98

Notes to Table 1A

(1) N/A = not applicable.
(2) Elevations from a survey conducted by Andreas Deak, California Licensed Land Surveyor, March 21, 1996, City of Oakland datum.
(3) Well under pressure when locking cap removed; water level may not have been stabilized.
(4) Depth to water was measured over a 120 minute period; indicated depths appear to be stabilized readings.
(5) Surveyed elevations of wells MW 1 and MW-2 varied to 0.02 foot on March 21, 1996 survey as compared to February 11, 1994 survey; previously calculated measurements of elevation have **not** been modified to reflect the new survey data. Similar slight survey differences on June 20, 1997 have not been corrected.
(6) Well not stabilized (water level rising).

TABLE 1B

SUMMARY OF GROUND WATER GRADIENT INFORMATION

Date	Shallow Wells		Deep Wells	
	Direction	Inclination	Direction	Inclination
8/6/90	N/A	N/A	N/A	N/A
1/28/92	N/A	N/A	N/A	N/A
4/27/92	N/A	N/A	N/A	N/A
8/10/92	N/A	N/A	N/A	N/A
2/11/94	N/A	N/A	N/A	N/A
2/28/94	N/A	N/A	N/A	N/A
9/9/94	N/A	N/A	N/A	N/A
12/28/94	N/A	N/A	N/A	N/A
4/13/95	N/A	N/A	N/A	N/A
11/1/95	N/A	N/A	N/A	N/A
3/8/96	N/A	N/A	N/A	N/A
3/25-26/96 (2)	N/A	N/A	N/A	0.01
10/7/96 (2)	N/A	N/A	N/A	0.02
1/15/97 (2)	N/A	N/A	S 33 E	0.13
6/23/97 (3)	N 44 W	0.24	S 68 E	0.07
10/6/97 (3)	N 47 W	0.29	S 55 E	0.11
12/12/98 (3)	N 33 W	0.32	S 47 E	0.05
4/24/99 (3)	N 59 W	0.17	S 44 E	0.07
12/18/99 (3)	N 55 W	0.26	S 44 E	0.07
7/22/00 (3)	N 56 W	0.24	S 65 E	0.19
1/29/01 (3)	N 47 W	0.30	S 65 E	0.20
7/28/01 (3)	N 51 W	0.24	S 65 E	0.05
2/3/02 (3)	N 50 W	0.23	S 65 E	0.05
7/23/02 (3)	N 51 W	0.24	S 85 E	0.11
1/20/03 (3)	N 50 W	0.22	S 50 E	0.19
7/30/03 (3)	N 62 W	0.23	S 66 E	0.10
1/27/04 (3	N 60 W	0.19	S 77 E	0.10

Notes to Table 1B

(1) N/A = not applicable.
(2) Six wells.
(3) Nine wells.

TABLE 2

SUMMARY OF ANALYTICAL TEST RESULTS - PETROLEUM HYDROCARBONS
(Results reported in parts per billion, ppb/ug/l) (1)

Well and Date	TPH Gasoline	MTBE	Benzene	Toluene	Ethyl-Benzene	Xylenes	Oil & Grease HVOC (7)
MW-1 ("deep")							
8/6/90 (2)	54,000	NA	3,500	3,200	1,900	9,400	7,600
1/28/92	2,000,000	NA	7,400	17,000	28,000	120,000	7,500 (5)
4/27/92 (3)	500,000	NA	3,400	6,400	10,000	45,000	440,000 (6)
4/27/92 (4)	175,000	NA	4,200	4,400	3,200	14,600	N/A
8/10/92	170,000	NA	4,200	4,200	3,300	15,900	120,000 (6)
2/11/94	1,800,000	NA	ND	5,100	5,200	23,900	16,000 (6)
9/9/94	23,000,000	NA	56,000	61,000	9,100	137,000	880,000 (6)
12/28/94	55,000	NA	3,700	5,300	1,400	5,800	83,000 (6)
4/13/95	45,000	NA	2,800	3,400	1,200	5,100	50,000 (5)
11/1/95	44,000	NA	2,600	3,400	1,400	5,900	52,000 (5)
3/25/96	45,000	NA	3,000	4,100	1,600	6,800	46,000 (5) (7)
10/8/96	55,000	490	3,300	4,500	1,700	7,100	11,000 (5) (7)
1/16/97	48,000	310	2,600	3,200	1,300	5,300	110,000 (5) (7)
6/23/97	40,000	ND<100	2,300	3,500	1,500	6,300	190,000 (5) (7)
10/7/97	45,000	ND<680	2,500	3,600	1,700	6,800	150,000 (5) (7)
12/12/98	39,000	ND<1,500	3,000	100	1,400	5,800	67,000 (5) (7)
4/24/99	33,000	ND<200	2,300	3,300	1,100	4,100	140,000 (5) (7)
4/24/99 (8)	41,000	1,100	2,500	3,700	1,500	5,700	N/A
12/18/99	43,000	ND<200	2,600	3,800	1,400	5,800	110,000 (5) (7)
7/22/00	37,000	ND<200	2,200	2,600	1,300	5,200	320,000 (5) (7)
1/29/01	36,000	ND<200	2,100	2,300	1,200	4,500	76,000 (5) (7)
7/28/01	99,000	ND<250	1,500	2,300	1,700	6,600	86,000 (5) (7)
2/3/02	42,000	ND<500	1,200	1,300	1,100	3,900	42,000 (5) (7)
7/23/02	53,000	ND<1000	1,700	2,800	1,500	5,100	170,000 (5) (7)
1/20/03	33,000	ND<2000	2,100	2,500	1,300	4,400	65,000 (5) (7)
7/30/03	24,000	ND<500	1,300	1,500	760	2,700	55,000 (5)
1/27/04	21,000	ND<250	1,600	1,500	1,100	3,200	220,000 (5)
MW-2 ("deep")							
2/11/94	130	NA	22	1.1	5.2	7.3	ND (6)
9/9/94	1,000	NA	89	ND	ND	6.9	ND (6)
12/28/94	330	NA	100	3.8	5.4	4.7	5100 (6)
4/13/95	1,300	NA	280	6.9	33	23	ND (5)
11/1/95	100	NA	9.9	ND	ND	ND	ND (5)
3/25/96	4,500	NA	470	57	220	280	ND (5) (7)
10/8/96	710	41	1.9	0.54	1.0	1.0	ND (5) (7)
1/16/97	330	12	41	2.4	1.3	9.9	ND (5) (7)
6/23/97	280	10	12	0.69	ND	13	NA (7)
10/7/97	320	ND<35	4.5	ND	ND	ND	NA (7)
12/12/98	290	ND<11	21	0.76	10	19	ND (5) (7)
4/24/99	360	21	36	1.3	9.2	19	ND<5000 (5) (7)
12/18/99	210	ND<200	13	ND	2.9	7.7	ND<5000 (5) (7)
7/22/00	180	ND<5	10	ND	4.5	6.0	ND<5000 (5) (7)
1/29/01	130	ND<5	16	ND	1.9	3.8	ND<5000 (5) (7)
7/28/01	ND<50	ND<5	2.7	ND	0.64	0.69	ND<5000 (5) (7)
2/3/02	140	ND<5	5.5	ND	9.0	12	ND<5000 (5) (7)
7/23/02	780	ND<15	52	2.0	44	6.2	ND<5000 (5) (7)
1/20/03	1,900	ND<50	120	10	120	94	ND<5000 (5) (7)
7/30/03	710	ND<20	43	1.8	24	5.9	ND<5000 (5) (7)
1/27/04	180	ND<5.0	10	ND<0.5	3.2	10	ND<5000 (5) (7)

Well and Date	TPH Gasoline	MTBE	Benzene	Toluene	Ethyl-Benzene	Xylenes	Oil & Grease HVOC (7)
MW-3 ("shallow")							
2/11/94	ND	NA	ND	ND	ND	ND	ND (6)
9/9/94	710	NA	10	ND	ND	3.5	ND (6)
12/28/94	2,300	NA	7.8	ND	130	73	ND (6)
4/13/95	1,700	NA	2.9	ND	61	24	ND (5)
11/1/95	1,100	NA	4.4	ND	27	22	ND (5)
3/25/96	2,300	NA	4.0	0.96	120	65	ND (5) (7)
10/8/96	160	ND	ND	0.5	1.2	0.77	ND (5) (7)
1/16/97	1,800	7.1	2.8	0.68	48	66	ND<5000 (5) (7)
6/23/97	ND	ND	ND	ND	ND	ND	NA (7)
10/7/97	ND	ND	ND	ND	ND	ND	NA (7)
12/12/98	1,900	ND	1.8	0.78	78	42	ND (5) (7)
4/24/99	2,100	ND	1.5	0.85	79	43	ND<5000 (5) (7)
12/18/99	330	ND	0.51	ND	ND	ND	ND<5000 (5) (7)
7/22/00	230	ND	0.89	2.4	ND	ND	ND<5000 (5) (7)
1/29/01	450	ND<5	1.1	1.6	11	3.6	ND<5000 (5)
7/28/01	ND<50	ND<5	ND<0.5	ND	ND	ND	ND<5000 (5)
2/3/02	98	ND<5	ND<0.5	ND	ND	ND	ND<5000 (5)
7/23/02	ND<50	ND<5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5000 (5)
1/20/03	700	ND<5.0	1.6	0.56	41	21	ND<5000 (5)
7/30/03	ND<50	ND<5.0	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5000 (5)
1/27/04	85	ND<5.0	ND<0.5	ND<0.5	ND<0.5	0.87	ND<5000 (5)
MW-4 ("deep")							
3/26/96	9,900	NA	4,000	40	71	100	ND (5) (7)
10/8/96	7,800	140	3,900	33	31	40	ND (5) (7)
1/16/97	4,800	84	1,900	21	2.5	27	5,200 (5) (7)
6/23/97	6,200	160	2,800	20	20	23	ND (5) (7)
10/7/97	4,400	85	1,800	14	18	14	ND (5) (7)
12/12/98	3,500	110	1,500	13	39	14	ND (5) (7)
4/24/99	3,100	ND<10	1,700	22	67	21	7,500 (5) (7)
12/18/99	2,600	33	1,000	12	32	10	ND<5000 (5) (7)
7/22/00	2,700	60	940	14	31	12	7,000 (5) (7)
1/29/01	2,500	ND<5	980	11	35	5	ND<5000 (5) (7)
7/28/01	1,100	27	250	6.3	19	4.8	90,000 (5) (7)
2/3/02	2,100	ND<25	890	23	41	20	7,400 (5) (7)
7/23/02	1,200	ND<17	490	11	22	8.8	ND<5000 (5) (7)
1/20/03	1,900	ND<80	740	11	32	12	ND<5000 (5) (7)
7/30/03	1,700	ND<150	440	8.9	18	6.1	ND<5000 (5) (7)
1/27/04	1,100	ND<10	350	10	17	5.0	31,000 (5) (7)
MW-5 ("deep")							
3/26/96	1,200	NA	43	8.2	83	95	ND (5) (7)
10/8/96	6,700	190	260	92	410	370	ND (5) (7)
1/16/97	3,000	90	150	68	190	180	ND (5) (7)
6/23/97	12,000	150	410	170	920	800	NA (7)
10/7/97	10,000	ND<480	310	62	530	500	NA (7)
12/12/98	11,000	ND<660	400	120	740	480	ND (5) (7)
4/24/99	9,300	ND<100	390	290	820	770	ND<5000 (5) (7)
12/18/99	7,000	ND<100	250	52	500	300	ND<5000 (5) (7)
7/22/00	14,000	ND<100	290	140	770	630	12,000 (5) (7)
1/29/01	8,200	ND<5	180	42	420	250	11,000 (5) (7)
7/28/01	9,100	ND<70	190	67	540	430	ND<5000 (5) (7)
2/3/02	11,000	ND<100	250	160	730	540	ND<5000 (5)
7/23/02	6,400	ND<110	160	67	540	390	ND<5000 (5)
1/20/03	7,300	ND<170	190	80	480	310	ND<5000 (5) (7)
7/30/03	8,700	ND<300	170	35	470	300	ND<5000 (5) (7)
1/27/04	7,600	ND<400	220	50	460	290	ND<5000 (5) (7)

Well and Date	TPH Gasoline	MTBE	Benzene	Toluene	Ethyl-Benzene	Xylenes	Oil & Grease HVOC (7)
MW-6 ("shallow")							
3/26/96	9,900	NA	1,000	150	470	720	ND (5) (7)
10/8/96	1,300	57	120	2.3	1.4	4.0	ND (5) (7)
1/15/97	6,500	220	570	65	170	630	ND (5) (7)
6/23/97	3,100	100	410	16	110	140	NA (7)
10/7/97	960	ND<74	78	3.4	1.8	5.8	NA (7)
12/12/98	2,500	ND<160	230	10	92	110	ND (5) (7)
4/24/99	2,900	ND<10	430	33	160	200	ND<5000 (5) (7)
12/18/99	2,300	ND<200	170	6.6	56	63	ND<5000 (5) (7)
7/22/00	2,200	ND<10	290	9.6	80	43	ND<5000 (5) (7)
1/29/01	2,500	ND<10	220	11	150	230	ND<5000 (5) (7)
7/28/01	NA	NA	NA	NA	NA	NA	NA
2/3/02	2,500	ND<50	290	18	88	330	ND<5000 (5) (7)
7/23/02	1,100	ND<20	160	6.5	54	35	ND<5000 (5) (7)
1/20/03	3,800	ND<80	370	33	220	300	ND<5000 (5) (7)
7/30/03	2,000	ND<70	250	4.8	50	24	ND<5000 (5) (7)
1/27/04	2,600	ND<400	420	20	170	180	ND<5000 (5) (7)
MW-7 (deep")							
6/23/97	8,700	ND<20	950	260	520	380	ND (5) (7)
10/7/97	7,500	ND<310	1,100	86	280	150	ND (5) (7)
12/12/98	5,000	ND<190	640	43	200	55	ND (5) (7)
4/24/99	5,500	ND<10	640	180	290	210	ND<5000 (5) (7)
12/18/99	5,500	ND<10	570	27	91	31	ND<5000 (5) (7)
7/22/00	7,400	ND<80	620	180	240	180	10,000 (5) (7)
1/29/01	4,000	ND<10	410	21	22	21	7,000 (5) (7)
7/28/01	4,200	ND<70	540	120	110	110	ND<5000 (5) (7)
2/3/02	6,300	ND<25	560	110	190	140	ND<5000 (5) (7)
7/23/02	3,400	ND<50	440	6.3	87	61	ND<5000 (5) (7)
1/20/03	4,500	ND<170	380	32	30	36	ND<5000 (5) (7)
7/30/03	5,300	ND<400	460	34	43	52	ND<5000 (5) (7)
1/27/04	3,000	ND<90	350	15	13	18	ND<5000 (5) (7)
MW-8 ("shallow")							
6/23/97	610	5.9	25	1.4	4.3	2.4	ND (5) (7)
10/7/97	120	ND	6.9	ND	ND	ND	ND (5) (7)
12/12/98	ND	ND	ND	ND	ND	ND	ND (5) (7)
4/24/99	ND	ND	ND	ND	ND	ND	ND<5000 (5) (7)
12/18/99	ND	ND	ND	ND	ND	ND	ND<5000 (5) (7)
7/22/00	ND	ND	ND	ND	ND	ND	ND<5000 (5) (7)
1/29/01	ND	ND<5	0.87	ND	ND	ND	ND<5000 (5) (7)
7/28/01	ND	ND<5	ND	ND	ND	ND	ND<5000 (5) (7)
2/3/02	ND	16	ND	ND	ND	ND	ND<5000 (5) (7)
7/23/02	ND<50	ND<5	0.87	ND<0.5	ND<0.5	ND<0.5	ND<5000 (5) (7)
1/20/03	ND<50	ND<5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5000 (5) (7)
7/30/03	ND<50	ND<5	2.0	ND<0.5	ND<0.5	ND<0.5	ND<5000 (5) (7)
1/27/04	ND<50	ND<5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5000 (5) (7)
MW-9 ("shallow")							
6/23/97	32,000	250	340	280	1,500	4,300	ND (5) (7)
10/7/97	33,000	ND<690	880	350	1900	4,700	ND (5) (7)
12/12/98	3,400	ND<78	160	14	220	210	ND (5) (7)
4/24/99	3,100	22	130	18	220	190	ND (5) (7)
12/18/99	7,500	100	220	44	440	650	ND<5000 (5) (7)
7/22/00	4,900	ND<10	93	15	240	250	71,000 (5) (7)
1/29/01	3,800	ND<10	160	35	260	310	5,000
7/28/01	5,700	ND<20	43	27	210	420	ND<5000 (5) (7)
2/3/02	7,800	ND<50	98	51	450	640	ND<5000 (5) (7)
7/23/02	2,300	ND<50	29	14	120	96	ND<5000 (5) (7)
1/20/03	5,000	ND<80	76	25	350	340	ND<5000 (5)
7/30/03	570	ND<5	7.2	1.2	14	4.8	ND<5000 (5) (7)
1/27/04	820	ND<20	14	2.6	35	35	ND<5000 (5) (7)

Well and Date	TPH Gasoline	MTBE	Benzene	Toluene	Ethyl-Benzene	Xylenes	Oil & Grease HVOC (7)
EB-4 ("grab" gw sample)							
3/8/96	15,000	NA	780	840	1,300	590	7,500 (5) (7)
MCL	NA	13/5 (9)	1	150	700	1,750	NA

Notes to Table 2

(1) ND - non-detect; N/A - not applicable
(2) Kaldveer Associates report, September, 1990
(3) Sequoia Analytical Laboratory
(4) Applied Remediation Laboratory
(5) Gravimetric Method
(6) Infrared Method
(7) **HVOC detected**: see Table 3
(8) Free-phase product observed in bailer (additional sample)
(9) Primary and secondary MCL, respectively.

TABLE 3

SUMMARY OF ANALYTICAL TEST RESULTS -
HALOGENATED VOLATILE ORGANIC COMPOUNDS (HVOC)
(Results reported in parts per **billion**, ppb/ug/l) (1) (2)

Well and Date	CA	1,2 DCB	1,2 DCA	cis 1,2 DCE	trns 1,2 DCE	1,2 DCP	PCE	TCE	VCL
MW-1 ("deep")									
3/25/96	ND<5	7.2	5.3	82	ND<5	ND<5	ND<5	7.8	25
10/8/96	ND<20	ND<20	ND<20	45	ND<20	ND<20	ND<20	ND<20	26
1/16/97	NA	NA	NA	NA	NA	NA	NA	NA	NA
6/23/97	ND<2	10	4.1	130	3.7	ND<2	5.0	23	54
10/7/97	3.5	7.4	2.2	82	3.8	ND<2	ND<3	9.5	68
12/12/98	ND<2.5	7.4	ND<2.5	26	ND<2.5	ND<2.5	ND<2.7	ND<2.5	7.3
4/24/99 (8)	2.1	9.9	3.5	61	2.8	2.0	ND<4.2	ND<1.5	22
12/18/99 (9)	3.3	8.0	1.2	12	2.8	1.2	ND<0.5	ND<0.5	7.2
7/22/00 (10)	ND<2.5	16.0	ND<2.5	15	ND<2.5	ND<2.5	ND<5.0	ND<2.5	8.2
1/29/01 (11)	ND<10.0	23.0	ND<10	23	ND<10.0	ND<10.0	ND<10.0	ND<10.0	ND<10.0
7/28/01 (12)	7.4	9.0	0.97	14	6.4	0.95	ND<0.5	ND<0.5	15
2/3/02 (13)	5.5	10.0	1.4	23	5.5	0.59	ND<0.5	ND<0.5	7.4
7/23/02 (14)	ND<10.0	2.5	ND<10.0	15	ND<10.0	ND<10.0	ND<10.0	ND<10.0	ND<10.0
1/20/03	ND<10.0	11	ND<10.0	36	ND<10.0	ND<10.0	ND<10.0	ND<10.0	11
7/30/03	ND<20.0	ND<20.0	ND<20.0	ND<20.0	ND<20.0	ND<20.0	ND<20.0	ND<20.0	ND<20.0
1/27/04	ND<50.0	ND<50.0	ND<50.0	ND<50.0	ND<50.0	ND<50.0	ND<50.0	ND<50.0	ND<50.0
MW-2 ("deep")									
3/25/96	ND<0.5	ND<0.5	8.7	11	ND<0.5	1.0	ND<0.5	3.2	0.92
10/8/96	ND<0.5	ND<0.5	15	9.6	ND<0.5	1.1	ND<0.5	6.6	ND<0.5
1/16/97	NA	NA	NA	NA	NA	NA	NA	NA	NA
6/23/97	ND<0.5	ND<0.5	9.7	8.0	ND<0.5	0.86	ND<0.5	9.6	ND<0.5
10/7/97	ND<0.5	ND<0.5	18	11	ND<0.5	1.2	ND<0.5	15	ND<0.5
12/12/98	ND<0.5	ND<0.5	16	9.4	ND<0.5	1.1	ND<1	7.5	ND<0.5
4/24/99	ND<0.5	ND<0.5	13	7.8	ND<0.5	0.92	ND<0.5	8.4	ND<0.5
12/18/99	ND<0.5	ND<0.5	15	9.0	ND<0.5	1.5	ND<0.5	ND<0.5	ND<0.5
7/22/00	ND<0.5	ND<0.5	17	10	ND<0.5	1.2	ND<1.0	12.0	ND<0.5
1/29/01	ND<0.5	ND<0.5	12	9.1	ND<0.5	0.9	ND<5.0	12.0	ND<0.5
7/28/01	ND<0.5	ND<0.5	9.7	7.8	ND<0.5	0.95	ND<5.0	12.0	ND<0.5
2/3/02	ND<0.5	ND<0.5	7.1	6.7	ND<0.5	0.72	ND<0.5	9.0	ND<0.5
7/23/02	ND<0.5	ND<0.5	1.7	2.1	ND<0.5	ND<0.5	ND<0.5	0.97	ND<0.5
1/20/03	ND<0.5	ND<0.5	1.6	2.0	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5
7/30/03	ND<0.5	ND<0.5	1.7	1.4	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5
1/27/04	ND<0.5	ND<0.5	14	8.9	ND<0.5	ND<0.5	ND<0.5	9.4	ND<0.5
MW-3 ("shallow")									
3/25/96	ND<0.5	ND<0.5	0.56	1.2	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5
10/8/96	ND<0.5	ND<0.5	1.1	0.87	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5
1/16/97	NA	NA	NA	NA	NA	NA	NA	NA	NA
6/23/97	ND<0.5	ND<0.5	0.54	0.76	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5
10/7/97	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5
12/12/98	ND<0.5	ND<0.5	0.51	0.82	ND<0.5	ND<0.5	ND<1	ND<0.5	ND<0.5
4/24/99	ND<0.5	ND<0.5	ND<0.5	0.65	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5
12/18/99	ND<0.5	ND<0.5	0.72	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5
7/22/00	ND<0.5	ND<0.5	0.52	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<0.5	ND<0.5
1/29/01	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	ND<0.5	ND<0.5
7/28/01	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5
2/3/02	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5
7/23/02	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5
1/20/03	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5
7/30/03	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5
1/27/04	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5

Well and Date	CA	1,2 DCB	1,2 DCA	cis 1,2 DCE	trns 1,2 DCE	1,2 DCP	PCE	TCE	VCL
MW-4 ("deep")									
3/26/96	ND<8	22	ND<8	300	9.2	ND<8	38	150	44
10/8/96	ND<15	22	4.9	320	ND<15	ND<15	52	130	60
1/16/97	NA	NA	NA	NA	NA	NA	NA	NA	NA
6/23/97 (5)	3.6	21	5.3	340	10	ND<3	11	110	83
10/7/97	ND<8	20	ND<8	380	9.9	ND<8	ND<12	56	56
12/12/98 (7)	ND<3.5	18	ND<3.5	150	12	ND<8	ND<4.5	12	57
4/24/99	ND<8.5	20	ND<8.5	390	12	ND<8.5	33	240	43
12/18/99	ND<10.0	27	ND<10.0	390	13	ND<10.0	ND<10.0	39	ND<10.0
7/22/00	ND<10.0	38	ND<10.0	620	ND<10.0	ND<10.0	ND<10.0	19	97
1/29/01	ND<5.0	35	ND<5.0	380	15	ND<5.0	ND<5.0	19	97
7/28/01	ND<7.5	29	ND<5.0	310	18	ND<5.0	ND<5.0	8.4	150
2/3/02 (13)	ND<7.0	22	ND<7.0	310	16	ND<7.0	ND<7.0	20	120
7/23/02	ND<0.5	30	ND<0.5	240	17	ND<0.5	ND<0.5	ND<0.5	230
1/20/03	ND<10.0	28	ND<10.0	200	16	ND<10.0	ND<10.0	69	84
7/30/03	ND<10.0	32	ND<10.0	230	13	ND<10.0	ND<10.0	13	290
1/27/04 (17)	ND<5.0	41	ND<5.0	370	25	ND<5.0	ND<5.0	32	310
MW-5 ("deep")									
3/26/96	1.4	ND<0.5	2.1	6.2	ND<0.5	ND<0.5	ND<0.5	ND<0.5	10
10/8/96	ND<2.5	ND<2.5	4.9	4.4	ND<2.5	ND<2.5	ND<2.5	ND<2.5	9.4
1/16/97	NA	NA	NA	NA	NA	NA	NA	NA	NA
6/23/97 (5)	2.0	2.1	2.0	7.2	0.71	ND<0.5	ND<0.5	ND<0.5	13
10/7/97	1.9	1.4	2.8	3.4	ND<0.5	ND<0.5	ND<0.5	ND<0.5	10
12/12/98	1.4	2.0	1.1	3.7	ND<1	ND<1	ND<1.5	ND<1	5.8
4/24/99	ND<1	1.9	1.9	4.8	ND<1	ND<1	ND<1	ND<1	6.3
12/18/99	1.6	1.7	1.8	1.9	ND<0.5	ND<0.5	ND<0.5	ND<0.5	2.9
7/22/00	1.8	2.4	1.4	2.6	ND<1.0	ND<1.0	ND<1.0	ND<1.0	5.0
1/29/01	ND<1.0	2.2	2.6	2.2	ND<1.0	ND<1.0	ND<1.0	ND<1.0	2.2
7/28/01	1.4	1.3	1.7	1.4	ND<1.0	ND<1.0	ND<1.0	ND<1.0	2.6
2/3/02 (13)	1.8	2.0	2.1	3.9	0.95	ND<0.5	ND<0.5	ND<0.5	4.6
7/23/02	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5
1/20/03	ND<1.0	1.4	1.4	1.6	ND<1.0	ND<1.0	ND<1.0	ND<1.0	1.3
7/30/03	ND<1.0	1.2	1.1	1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	2.0
1/27/04	ND<1.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0
MW-6 ("shallow")									
3/26/96	ND<0.5	ND<0.5	3.9	15	ND<0.5	1.9	0.77	2	ND<0.5
10/8/96	ND<0.5	ND<0.5	2.3	9.9	ND<0.5	ND<0.5	ND<0.5	0.57	ND<0.5
1/16/97	NA	NA	NA	NA	NA	NA	NA	NA	NA
6/23/97	ND<0.5	ND<0.5	1.6	10	ND<0.5	ND<0.5	ND<0.5	0.63	0.50
10/7/97	ND<0.5	ND<0.5	3.4	7.9	ND<0.5	ND<0.5	ND<0.5	0.82	ND<0.5
12/12/98 (7)	ND<0.5	ND<0.5	1.5	8.4	ND<0.5	ND<0.5	ND<1	ND<0.5	ND<0.5
4/24/99	ND<0.5	ND<0.5	2.3	17	ND<0.5	0.89	ND<1	0.73	0.59
12/18/99	ND<0.5	ND<0.5	2.2	8.3	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.62
7/22/00	ND<0.5	ND<0.5	1.2	9.3	ND<0.5	ND<0.5	ND<1.0	ND<0.5	0.97
1/29/01	ND<0.5	ND<0.5	1.1	11	ND<0.5	ND<0.5	ND<5.0	ND<0.5	0.77
7/28/01	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2/3/02	ND<0.5	ND<0.5	1.5	13	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5
7/23/02	ND<1.0	ND<1.0	ND<1.0	9.3	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
1/20/03	ND<1.0	ND<1.0	1.8	14	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
7/30/03	ND<1.0	ND<0.5	1.3	7.6	ND<0.5	ND<0.5	ND<0.5	ND<0.5	2.7
1/27/04 (17)	ND<2.5	ND<2.5	ND<2.5	8.4	ND<2.5	ND<2.5	ND<2.5	ND<2.5	3.2
MW-7 ("deep")									
6/23/97	0.93	1.6	ND<0.5	2.4	1.2	ND<0.5	9.8	17	1.5
10/7/97	ND<2	ND<2	ND<2	8.5	2.4	ND<2	38	110	ND<2
12/12/98	ND<2	2.2	ND<2	97	ND<2	ND<2	ND<3.5	ND<2	ND<2
4/24/99	ND<2	2.4	ND<2	31	ND<2	ND<2	9.3	82	ND<2
12/18/99 (9)	ND<3	5.7	ND<3	120	ND<3	ND<3	ND<3	12	ND<3
7/22/00 (10)	ND<5	18	ND<5	170	ND<5	ND<5	ND<5	8	ND<5
1/29/01 (11)	ND<5	18	ND<5	170	ND<5	ND<5	ND<5	8	ND<5
7/28/01 (12)	ND<5	11	ND<5	170	ND<5	ND<5	ND<5	6.9	6.1
2/3/02	ND<5.0	ND<5.0	ND<5.0	94	ND<5.0	ND<5.0	ND<5.0	30	ND<5.0
7/23/02	ND<10.0	12.0	ND<10.0	180	ND<10.0	ND<10.0	ND<10.0	ND<10.0	ND<10.0

Well and Date	CA	1,2 DCB	1,2 DCA	cis 1,2 DCE	trns 1,2 DCE	1,2 DCP	PCE	TCE	VCL
MW-7 continued									
1/20/03	ND<2.5	ND<2.5	ND<2.5	**50**	ND<2.5	ND<2.5	**11**	ND<2.5	ND<2.5
7/30/03	ND<2.5	ND<2.5	ND<2.5	**130**	ND<2.5	ND<2.5	ND<2.5	ND<2.5	**9.5**
1/27/04	ND<5.0	ND<5.0	ND<5.0	**130**	ND<5.0	ND<5.0	ND<5.0	**20**	**24**
MW-8 ("shallow")									
6/23/97	ND<1	**5.4**	ND<1	**64**	ND<1	ND<1	**97**	**100**	ND<1
10/7/97	ND<0.5	**1.1**	ND<0.5	**16**	ND<0.5	ND<0.5	**30**	**27**	ND<0.5
12/12/98	ND<0.5	ND<0.5	ND<0.5	**3.4**	ND<0.5	ND<0.5	**4.8**	**4.7**	ND<0.5
4/24/99	ND<0.5	ND<0.5	ND<0.5	**1.9**	ND<0.5	ND<0.5	**3.4**	**3.4**	ND<0.5
12/18/99	ND<0.5	ND<0.5	ND<0.5	**5.3**	ND<0.5	ND<0.5	**5.9**	**6.4**	ND<0.5
7/22/00	ND<0.5	ND<0.5	ND<0.5	**1.7**	ND<0.5	ND<0.5	**2.4**	**1.6**	ND<0.5
1/29/01	ND<0.5	ND<0.5	ND<0.5	**10**	ND<0.5	ND<0.5	ND<5.0	**8.8**	ND<0.5
7/28/01	ND<0.5	ND<0.5	ND<0.5	**2.6**	ND<0.5	ND<0.5	ND<1.5	**2.1**	ND<0.5
2/3/02	ND<0.5	ND<0.5	ND<0.5	**6.6**	ND<0.5	ND<0.5	**3.3**	**4.6**	ND<0.5
7/23/02	ND<0.5	ND<0.5	ND<0.5	**8.4**	ND<0.5	ND<0.5	**3.5**	**5.2**	ND<0.5
1/20/03	ND<0.5	ND<0.5	ND<0.5	**7.3**	ND<0.5	ND<0.5	**6**	**6.7**	ND<0.5
7/30/03	ND<0.5	ND<0.5	ND<0.5	**25**	ND<0.5	ND<0.5	**15**	**20**	ND<0.5
1/27/04	ND<0.5	ND<0.5	ND<0.5	**4**	ND<0.5	ND<0.5	**3.1**	**3.1**	ND<0.5
MW-9 (shallow")									
6/23/97 (5)	ND<1	**2.1**	ND<1	**7.4**	ND<1	ND<1	**3.5**	**1.4**	ND<1
10/7/97 (6)	ND<0.5	**1.6**	**2.1**	**21**	ND<0.5	**0.7**	**ND<2**	**0.53**	**2.7**
12/12/98	ND<0.5	**0.7**	**0.53**	**1.9**	ND<0.5	ND<0.5	ND<1	ND<0.5	ND<0.5
4/24/99	ND<0.5	**0.81**	**0.52**	**3.1**	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5
12/18/99	ND<0.5	**1.1**	**0.67**	**3.7**	ND<0.5	ND<0.5	ND<0.5	ND<0.5	**0.63**
7/22/00	ND<1	**1.4**	ND<1	**1.6**	ND<1	ND<1	ND<1	ND<1	ND<1
1/29/01	ND<0.5	**1.2**	**0.71**	ND<0.5	**8.2**	ND<0.5	ND<5.0	ND<0.5	**0.53**
7/28/01	ND<0.5	**0.87**	ND<0.5	**0.92**	ND<0.5	ND<0.5	ND<5.0	**2.5**	ND<0.5
2/3/02	ND<0.5	**1.2**	ND<0.5	**2.4**	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5
7/23/02	ND<2.5	**3.5**	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5
1/20/03	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1	ND<1
7/30/03	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5
1/27/04	ND<0.5	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0
EB-4 (grab)									
3/8/96	ND	ND	ND	**42**	ND	ND	**130**	**340**	ND
MCL	NA	**600**	**0.5**	**6**	**10**	**5**	**7**	**5**	**0.5**

Notes to Table 3

(1) ND = non-detect; reporting limit 0.5 ug/l (ppb) unless otherwise stated
(2) N/A = not applicable
(3) Composite
(4) Abbreviations as follows:

CA	Chloroethane	1,2 DCP	1,2 Dichloropropane
1,2 DCB	1,2 Dichlorobenzene	PCE	Tetrachloroethene (perchloroethen
1,2 DCA	1,2 Dichloroethane	TCE	trichloroethene
cis 1,2 DCE	cis 1,2 Dichloroethene	VCL	vinyl chloride
trans 1,2 DCE	trans 1,2 Dichloroethene		

(5) 6/23/97 additional detections:
MW-4: 4.8 ppb 1,4-Dichlorobenzene
MW-5: 0.53 ppb 1,4-Dichlorobenzene
MW-9: 2.1 ppb chloroform (tetrachloromethane)
(6) 10/7/97 additional detections:
MW-9: 0.65 chloroform (tetrachloromethane)
(7) 12/12/98 additional detections:
MW-4: 6.2 ppb 1,3-Dichlorobenzene
MW-4: 4.8 ppb 1,4-Dichlorobenzene
MW-6: 8.9 ppb 1,1,1-Trichloroethane

Notes to Table 3 continued

(8) 4/24/99 additional detections:
MW-1: 1.6 ppb Chloroform
MW-1: 2.5 ppb 1,4-Dichlorobenzene
(9) 12/18/99 additional detections:
MW-1: 1.3 ppb Dibromochloromethane
MW-1: 1.2 ppb 1,3-Dichlorobenzene
MW-1: 2.2 ppb 1,4-Dichlorobenzene
MW-1: 9.9 ppb 1,4-Dichlorobenzene
(10) 7/22/00 additional detections:
MW-1: 5.0 ppb 1,4 Dichlorobenzene
MW-7: 6.1 ppb 1,4 Dichlorobenzene
(11) 1/29/01 additional detections:
MW-1: 23.0 ppb 1,3 Dichlorobenzene
MW-4: 6.3 ppb 1,3 Dichlorobenzene
MW-4: 9.0 ppb 1,4 Dichlorobenzene
(12) 7/28/01 additional detections:
MW-1: 0.60 ppb 2-Chloroethyl Vinyl Ether
MW-1: 1.2 ppb 1,3 Dichlorobenzene
MW-1: 3.0 ppb 1,4 Dichlorobenzene
MW-4: 26 ppb 1,4 Dichlorobenzene
MW-7: 5.9 ppb 1,4 Dichlorobenzene
(13) 2/3/02 additional detections:
MW-1: 0.73 ppb 2-Chloroethyl Vinyl Ether
MW-1: 1.8 ppb 1,3 Dichlorobenzene
MW-1: 3.8 ppb 1,4 Dichlorobenzene
MW-4: 9.8 ppb 1,4 Dichlorobenzene
MW-5: 0.59 ppb 1,4 Dichlorobenzene
(14) 7/23/02 additional detections:
MW-1: 112 ppb 1,3 Dichlorobenzene
(15) 1/20/03 additional detections:
None
(16) 7/30/03 additional detections:
None
(17) 1/27/04 additional detections
MW-4: 11 ppb 1,3-Dichlorobenzene
MW-4: 9.7 ppb 1,4-Dichlorobenzene
MW-4: 12 ppb 1,1,2-Trichloroethane
MW-6: 13 ppb 1,1,2-Trichloroethane

TABLE 4

SUMMARY OF ANALYTICAL TEST RESULTS -
POLYNUCLEAR AROMATIC HYDROCARBONS (PNA, PAH)
(Results reported in parts per **billion**, ppb/ug/l) (1) (2) (3)

Well and Date	Phenanthrene	Naphthalene
MW-1 ("deep")		
6/23/97	**12**	**2200**
10/7/97	ND<100	**810**
MCL	N/A	N/A

Notes to Table 4

(1) ND = non-detect
(2) N/A = not applicable
(3) Detected compounds only

TABLE 5

SUMMARY OF ANALYTICAL TEST RESULTS - ADDITIONAL CHEMICAL PARAMETERS
(Results reported in parts per **million**, mg/l) (1)

Well and Date	Dissolved Oxygen	Ferrous Iron	Nitrate	Sulfate
MW-1 ("deep")				
10/8/96	**1.5**	ND	ND	ND
1/16/97	1.4	**3.6**	ND	ND
6/23/97	N/A	N/A	N/A	N/A
10/7/97	N/A	N/A	N/A	N/A
12/12/98	N/A	N/A	N/A	N/A
4/24/99	N/A	N/A	N/A	N/A
12/18/99	N/A	N/A	N/A	N/A
7/22/00	N/A	N/A	N/A	N/A
1/29/01	N/A	N/A	N/A	N/A
7/28/01	N/A	N/A	N/A	N/A
2/3/02	N/A	N/A	N/A	N/A
7/23/02	N/A	N/A	N/A	N/A
1/20/03	N/A	N/A	N/A	N/A
7/30/03	N/A	N/A	N/A	N/A
1/27/04	N/A	N/A	N/A	N/A
MW-2 ("deep")				
10/8/96	**3.7**	ND	**3**	**25**
1/16/97	**5.4**	**0.28**	**3**	**25**
6/23/97	N/A	N/A	N/A	N/A
10/7/97	N/A	N/A	N/A	N/A
12/12/98	N/A	N/A	N/A	N/A
4/24/99	N/A	N/A	N/A	N/A
12/18/99	N/A	N/A	N/A	N/A
7/22/00	N/A	N/A	N/A	N/A
1/29/01	N/A	N/A	N/A	N/A
7/28/01	N/A	N/A	N/A	N/A
2/3/02	N/A	N/A	N/A	N/A
7/23/02	N/A	N/A	N/A	N/A
1/20/03	N/A	N/A	N/A	N/A
7/30/03	N/A	N/A	N/A	N/A
1/27/04	N/A	N/A	N/A	N/A
MW-3 ("shallow")				
10/8/96	**3.8**	ND	ND	**5**
1/16/97	**5.2**	ND	ND	**5**
6/23/97	N/A	N/A	N/A	N/A
10/7/97	N/A	N/A	N/A	N/A
12/12/98	N/A	N/A	N/A	N/A
4/24/99	N/A	N/A	N/A	N/A
12/18/99	N/A	N/A	N/A	N/A
7/22/00	N/A	N/A	N/A	N/A
1/29/01	N/A	N/A	N/A	N/A
7/28/01	N/A	N/A	N/A	N/A
2/3/02	N/A	N/A	N/A	N/A
7/23/02	N/A	N/A	N/A	N/A
1/20/03	N/A	N/A	N/A	N/A
7/30/03	N/A	N/A	N/A	N/A
1/27/04	N/A	N/A	N/A	N/A
MW-4 ("deep")				
10/8/96	**3.0**	ND	ND	ND
1/16/97	**4.7**	**0.75**	ND	**5**
6/23/97	N/A	N/A	N/A	N/A
10/7/97	N/A	N/A	N/A	N/A
12/12/98	N/A	N/A	N/A	N/A

Well and Date	Dissolved Oxygen	Ferrous Iron	Nitrate	Sulfate
MW-4 ("deep") continued				
4/24/99	N/A	N/A	N/A	N/A
12/18/99	N/A	N/A	N/A	N/A
7/22/00	N/A	N/A	N/A	N/A
1/29/01	N/A	N/A	N/A	N/A
7/28/01	N/A	N/A	N/A	N/A
2/3/02	N/A	N/A	N/A	N/A
7/23/02	N/A	N/A	N/A	N/A
1/20/03	N/A	N/A	N/A	N/A
7/30/03	N/A	N/A	N/A	N/A
1/27/04	N/A	N/A	N/A	N/A
MW-5 ("deep")				
10/8/96	**2.8**	ND	ND	**8**
1/16/97	**3.4**	**0.38**	ND	**9**
6/23/97	N/A	N/A	N/A	N/A
10/7/97	N/A	N/A	N/A	N/A
12/12/98	N/A	N/A	N/A	N/A
4/24/99	N/A	N/A	N/A	N/A
12/18/99	N/A	N/A	N/A	N/A
7/22/00	N/A	N/A	N/A	N/A
1/29/01	N/A	N/A	N/A	N/A
7/28/01	N/A	N/A	N/A	N/A
2/3/02	N/A	N/A	N/A	N/A
7/23/02	N/A	N/A	N/A	N/A
1/20/03	N/A	N/A	N/A	N/A
7/30/03	N/A	N/A	N/A	N/A
1/27/04	N/A	N/A	N/A	N/A
MW-6 ("shallow")				
10/8/96	**2.7**	ND	ND	**6**
1/16/97	**2.7**	**0.28**	ND	**8**
6/23/97	N/A	N/A	N/A	N/A
10/7/97	N/A	N/A	N/A	N/A
12/12/98	N/A	N/A	N/A	N/A
4/24/99	N/A	N/A	N/A	N/A
12/18/99	N/A	N/A	N/A	N/A
7/22/00	N/A	N/A	N/A	N/A
1/29/01	N/A	N/A	N/A	N/A
7/28/01	N/A	N/A	N/A	N/A
2/3/02	N/A	N/A	N/A	N/A
7/23/02	N/A	N/A	N/A	N/A
1/20/03	N/A	N/A	N/A	N/A
7/30/03	N/A	N/A	N/A	N/A
1/27/04	N/A	N/A	N/A	N/A
MW-7 ("deep")				
6/23/97	N/A	N/A	N/A	N/A
10/7/97	N/A	N/A	N/A	N/A
12/12/98	N/A	N/A	N/A	N/A
4/24/99	N/A	N/A	N/A	N/A
12/18/99	N/A	N/A	N/A	N/A
7/22/00	N/A	N/A	N/A	N/A
1/29/01	N/A	N/A	N/A	N/A
7/28/01	N/A	N/A	N/A	N/A
2/3/02	N/A	N/A	N/A	N/A
7/23/02	N/A	N/A	N/A	N/A
1/20/03	N/A	N/A	N/A	N/A
7/30/03	N/A	N/A	N/A	N/A
1/27/04	N/A	N/A	N/A	N/A

Well and Date	Dissolved Oxygen	Ferrous Iron	Nitrate	Sulfate
MW-8 ("shallow")				
6/23/97	N/A	N/A	N/A	N/A
10/7/97	N/A	N/A	N/A	N/A
12/12/98	N/A	N/A	N/A	N/A
4/24/99	N/A	N/A	N/A	N/A
12/18/99	N/A	N/A	N/A	N/A
7/22/00	N/A	N/A	N/A	N/A
1/29/01	N/A	N/A	N/A	N/A
7/28/01	N/A	N/A	N/A	N/A
2/3/02	N/A	N/A	N/A	N/A
7/23/02	N/A	N/A	N/A	N/A
1/20/03	N/A	N/A	N/A	N/A
7/30/03	N/A	N/A	N/A	N/A
1/27/04	N/A	N/A	N/A	N/A
MW-9 ("shallow")				
6/23/97	N/A	N/A	N/A	N/A
10/7/97	N/A	N/A	N/A	N/A
12/12/98	N/A	N/A	N/A	N/A
4/24/99	N/A	N/A	N/A	N/A
12/18/99	N/A	N/A	N/A	N/A
7/22/00	N/A	N/A	N/A	N/A
1/29/01	N/A	N/A	N/A	N/A
7/28/01	N/A	N/A	N/A	N/A
2/3/02	N/A	N/A	N/A	N/A
7/23/02	N/A	N/A	N/A	N/A
1/20/03	N/A	N/A	N/A	N/A
7/30/03	N/A	N/A	N/A	N/A
1/27/04	N/A	N/A	N/A	N/A

Notes to Table 5

(1) ND = non-detect
(2) N/A = not applicable

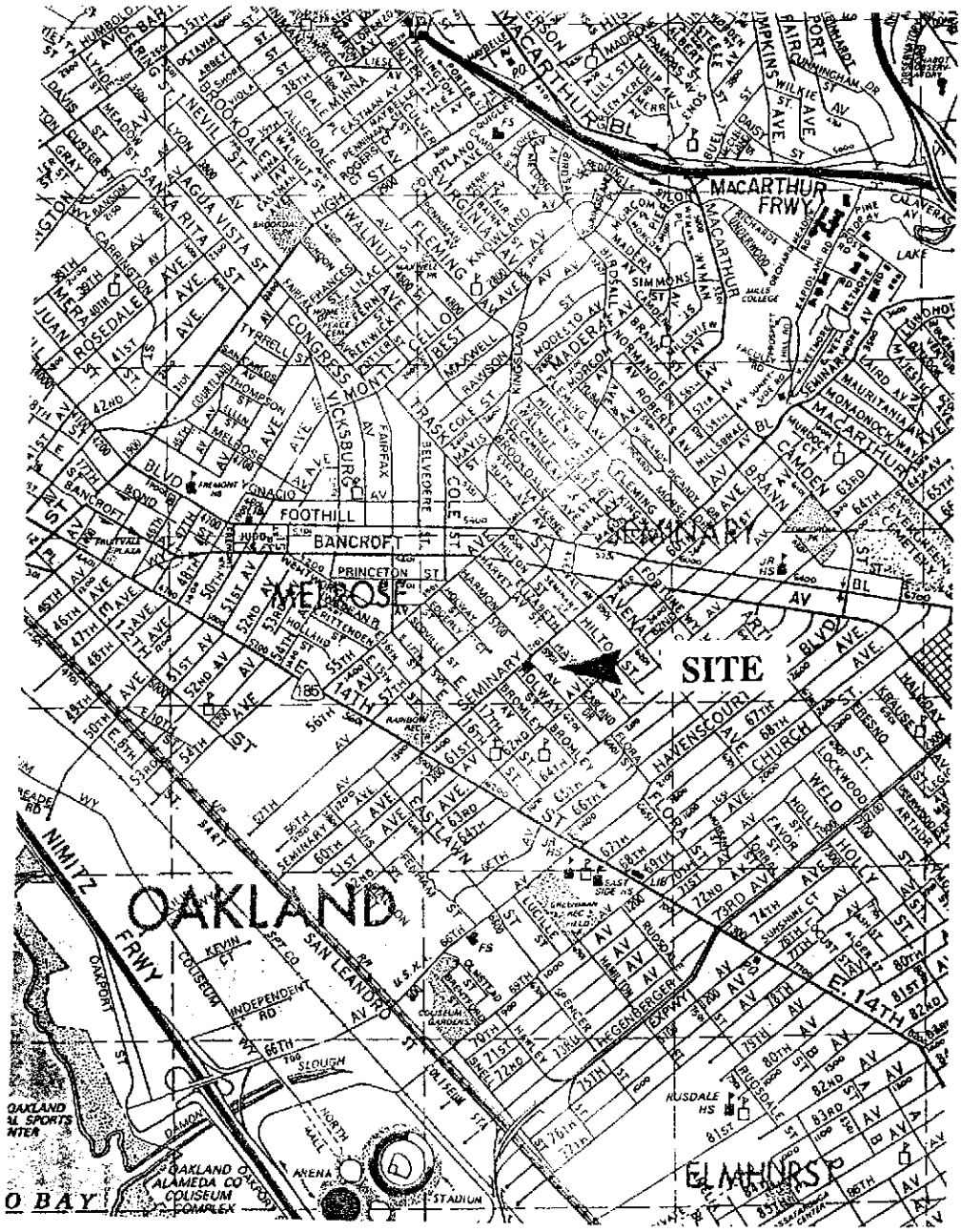
TABLE 6

SUMMARY OF ANALYTICAL TEST RESULTS - FUEL FINGERPRINT WITH SILICA GEL CLEAN UP

Well and Date	Fuel Fingerprint (2)
MW-1 ("deep")	
2/3/02	Significant hydrocarbon pattern between C6 and C12 that resembles gasoline. Also shows a hydrocarbon pattern between C18 and C30 that resembles oil.
MW-2 ("deep")	
2/3/02	ND < 50 ug/L
MW-3 ("shallow")	
2/3/02	ND < 50 ug/L
MW-4 ("deep")	
2/3/02	Significant hydrocarbon pattern between C9 and C12 that resembles stoddard solvent. Also shows a hydrocarbon pattern between C18 and C30 that resembles oil.
MW-5 ("deep")	
2/3/02	Significant hydrocarbon pattern between C6 and C12 that resembles fresh gasoline.
MW-6 ("shallow")	
2/3/02	Significant hydrocarbon pattern between C6 and C12 that resembles fresh gasoline.
MW-7 ("deep")	
2/3/02	Significant hydrocarbon pattern between C6 and C12 that resembles fresh gasoline.
MW-8 ("shallow")	
2/3/02	ND < 50 ug/L
MW-9 ("shallow")	
2/3/02	Significant hydrocarbon pattern between C6 and C12 that resembles fresh gasoline.

Notes to Table 6

(1) ND = non-detect
(2) See laboratory report for chromatograms.



ALAMEDA COUNTY

1991 *Thomas Guide*

0 ¼ ½ ¾ 1 MILES
0 1 2 5 1 KILOMETERS

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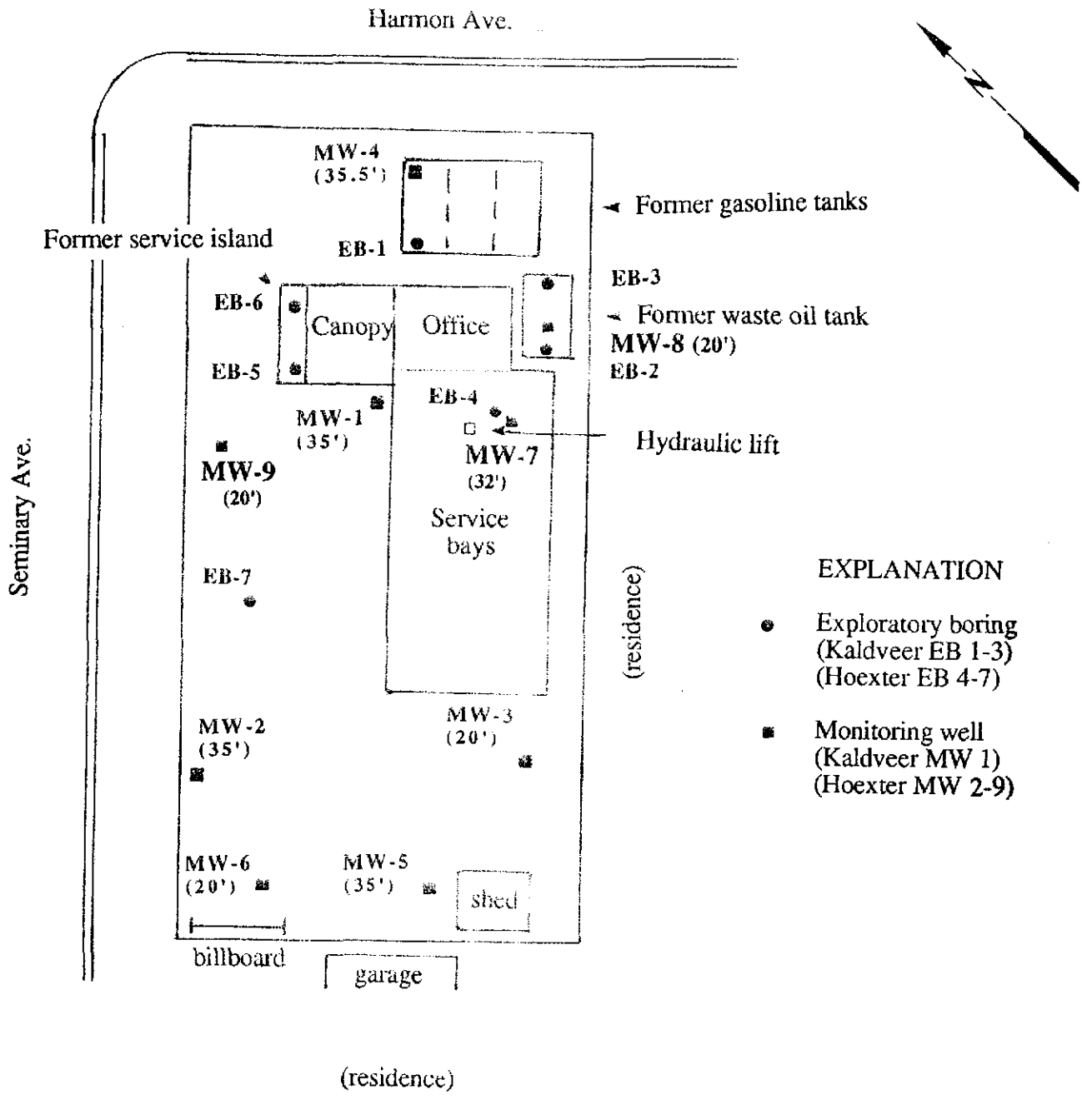
LOCATION MAP

1970 Seminary Ave.
Oakland, California

Project No.	Date	Figure 1
E-10-1E-391E	February, 2004	



Base: A. Deak, Licensed Land Surveyor, 3/21/96 (wells, streets & property line); Hoexter field sketch, 10/25/93 (explor. borings, other features)

20 0 20 40

Approximate Scale in Feet

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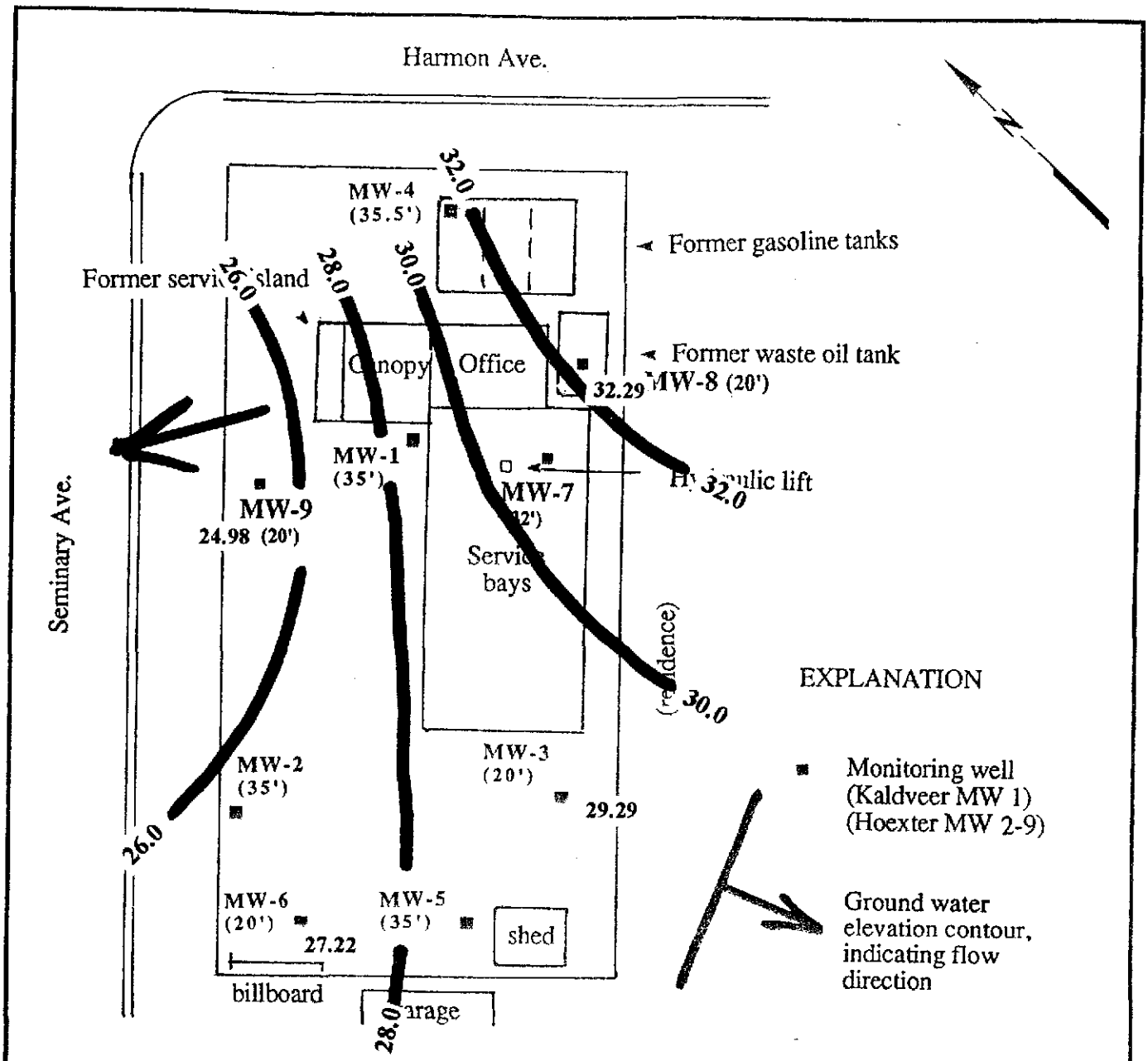
SITE PLAN

1970 Seminary Ave.
Oakland, California

Project No.	Date	Figure 2
E-10-1E-391E	February, 2004	



Base: A. Deak, Licensed Land Surveyor, 3/21/96 (wells, streets & property line); Hoexter field sketch, 10/25/93 (explor. borings, other features)

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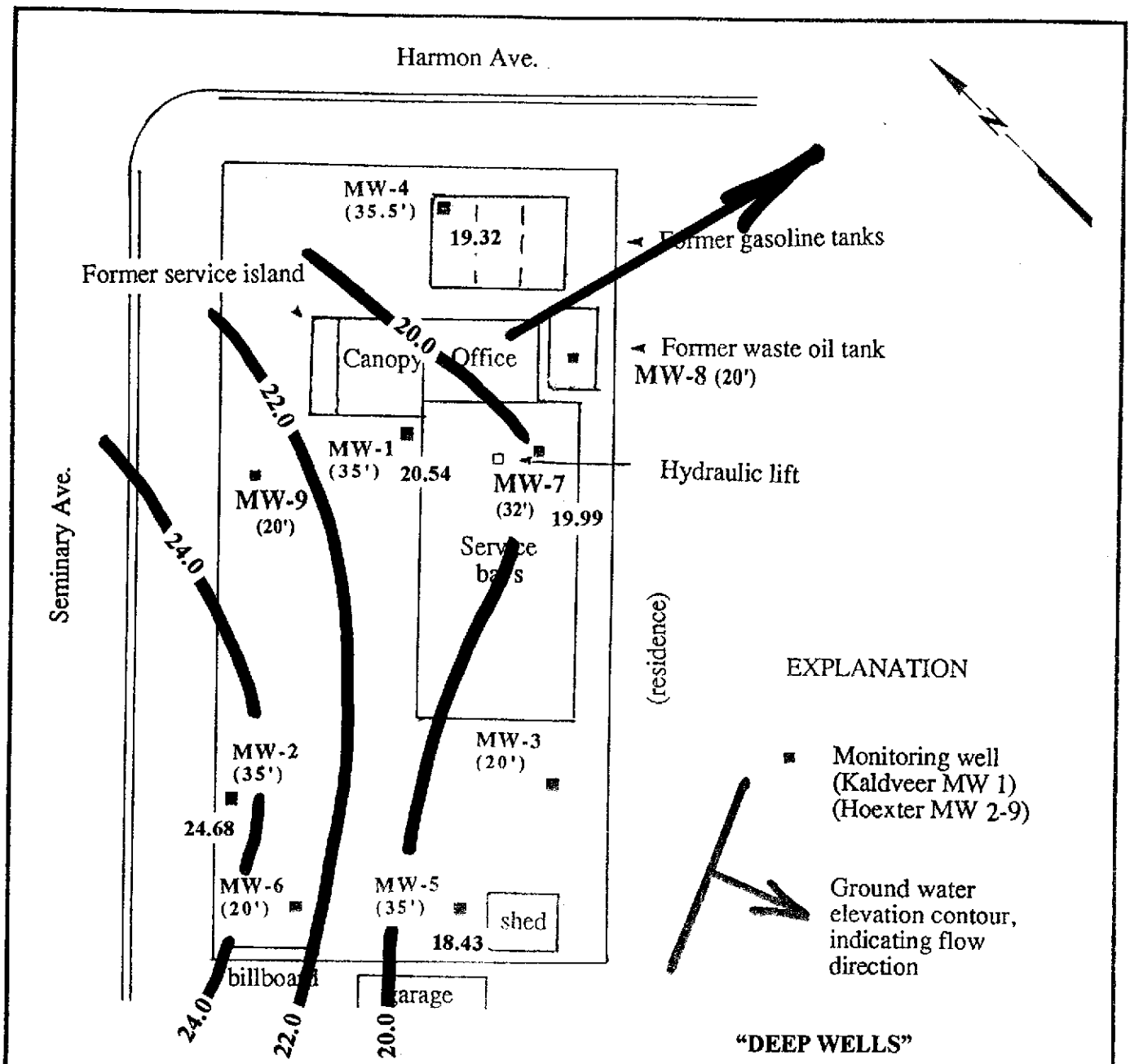
GROUND WATER CONTOUR AND GRADIENT DIRECTION MAP

1970 Seminary Ave.
Oakland, California

Project No.	Date	Figure 3A
E-10-1E-391E	February, 2004	



Base: A. Deak, Licensed Land Surveyor, 3/21/96 (wells, streets & property line); Hoexter field sketch, 10/25/93 (explor. borings, other features)

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GROUND WATER CONTOUR AND GRADIENT DIRECTION MAP

1970 Seminary Ave.
Oakland, California

Project No.	Date	Figure 3B
E-10-1E-391E	February, 2004	

APPENDIX A

WATER SAMPLE LOGS
CHAIN OF CUSTODY
ANALYTICAL TEST RESULTS

HOEXTER CONSULTING INC. Groundwater Sampling Field Log

Project: Grimit, 1970 Seminary Ave, Oakland, CA.	Project No.: E-10-1E-391E
Client: D. Grimit c/o A. LaMarca	Date: **January 27, 2004**
Project Manager: D. F. Hoexter	Sample Location/I.D.: **MW- 1**
Sampler: J. Forsythe, D. Hoexter	Lab ID.:

Casing Diameter: **2 inch** 3 inch 4 inch 6 inch Other

Depth of Well (feet): 35	Calculated Purge Volume (gal): 12
Depth to Water (feet): 16.45	Actual Purged Volume (gal): 9
Sample Depth (feet):	Start Time:

Field Measurements

Time	Cum	Volume (gal.)	pH (units)	E.C. (umhos/cm)	Temperature (Deg. F)	Color (Visual)	Other
1345	3	3					
	6	3					
1400	9	3					

Purge Method

2" Bladder Pump	**Bailer**	Well Wizard	**Dedicated**
Submersible Pump	Centrifugal Pump	Dipper	Other
Pneumatic Displ. Pump			

Sample Method

2" Bladder Pump	**Bailer**	Well Wizard	**Dedicated**
Surface Sampler	Dipper	Fultz Pump	Other

Well Integrity: OK; < measurable product (strong sheen/blebs of oil) and petrol. Odor.

Remarks: No field measurements due to heavy sheen in water; DFH sampled 2 VOA and 1 amber liter at interface 1630.

Signature: D F H

Volumes Per Unit Length Selected Well Casing Diameters – Volumes Per Unit Length				
Well Casing I.D. (inches)	Cubic			
	Gal/ft.	Ft/ft	L/M	L/Ft
1.5	0.0918	0.0123	1.140	0.3475
2.0	**0.1632**	0.0218	2.027	0.6178
3.0	0.3672	0.0491	4.560	1.390
4.0	0.6528	0.0873	8.107	2.4710
6.0	1.4690	0.1963	18.240	5.560

Conversion Factors		
To Convert	Into	Multiply
Ft of Water	Lbs/sq inch	0.4335
Lbs/Sq inch	Ft of Water	2.3070
Cubic Feet	Gallons	7.2800
Gallons	Liters	3.7850
Feet	Meters	0.30048
Inches	Centimeters	2.5400

HOEXTER CONSULTING INC. Groundwater Sampling Field Log

Project: Grimit, 1970 Seminary Ave, Oakland, CA.	Project No.: E-10-1E-391E
Client: D. Grimit c/o A. LaMarca	Date: **January 27, 2004**
Project Manager: D. F. Hoexter	Sample Location/I.D.: **MW- 2**
Sampler: J. Forsythe, D. Hoexter	Lab ID.:

Casing Diameter: **2 inch** 3 inch 4 inch 6 inch Other

Depth of Well (feet): 35	Calculated Purge Volume (gal): 15.2
Depth to Water (feet): 11.72	Actual Purged Volume (gal): 10
Sample Depth (feet):	Start Time:

Field Measurements

Time	Cum	Volume (gal.)	pH (units)	E.C. (umhos/cm)	Temperature (Deg. F)	Color (Visual)	Other
1214	4	4	6.64	834	61.2	Clear	No sheen, slight odor
1230	8	4	6.68	807	61.2		
1250	10	2	6.77	793	62.0		

Purge Method

2" Bladder Pump	**Bailer**	Well Wizard	**Dedicated**
Submersible Pump	Centrifugal Pump	Dipper	Other
Pneumatic Displ. Pump			

Sample Method

2" Bladder Pump	**Bailer**	Well Wizard	**Dedicated**
Surface Sampler	Dipper	Fultz Pump	Other

Well Integrity: OK; Initial bailer extraction clear, no sheen, slight odor.

Remarks: JF sampled 2 VOA and 1 amber liter at 16:55.

Signature: _____

Volumes Per Unit Length Selected Well Casing Diameters – Volumes Per Unit Length				
Well Casing I.D. (inches)	Cubic			
	Gal/ft.	Ft/ft	L/M	L/Ft
1.5	0.0918	0.0123	1.140	0.3475
2.0	**0.1632**	0.0218	2.027	0.6178
3.0	0.3672	0.0491	4.560	1.390
4.0	0.6528	0.0873	8.107	2.4710
6.0	1.4690	0.1963	18.240	5.560

Conversion Factors		
To Convert	Into	Multiply
Ft of Water	Lbs/sq inch	0.4335
Lbs/Sq inch	Ft of Water	2.3070
Cubic Feet	Gallons	7.2800
Gallons	Liters	3.7850
Feet	Meters	0.30048
Inches	Centimeters	2.5400

HOEXTER CONSULTING INC. Groundwater Sampling Field Log

Project: Grimit, 1970 Seminary Ave, Oakland, CA.	Project No.: E-10-1E-391E
Client: D. Grimit c/o A. LaMarca	Date: **January 27, 2004**
Project Manager: D. F. Hoexter	Sample Location/I.D.: **MW- 3**
Sampler: J. Forsythe, D. Hoexter	Lab ID.:

Casing Diameter: **2 inch** 3 inch 4 inch 6 inch Other

Depth of Well (feet): 20	Calculated Purge Volume (gal): 8
Depth to Water (feet): 7.65	Actual Purged Volume (gal): 6
Sample Depth (feet):	Start Time:

Field Measurements

Time	Cum	Volume (gal.)	pH (units)	E.C. (umhos/cm)	Temperature (Deg. F)	Color (Visual)	Other
1130	2	2	6.48	571	59.0	Clear	
1138	4	2	6.56	587	59.9		
1145	6	2	6.57	600	60.2		

Purge Method

2" Bladder Pump	**Bailer**	Well Wizard	**Dedicated**
Submersible Pump	Centrifugal Pump	Dipper	Other
Pneumatic Displ. Pump			

Sample Method

2" Bladder Pump	**Bailer**	Well Wizard	**Dedicated**
Surface Sampler	Dipper	Fultz Pump	Other

Well Integrity: OK; no product or sheen, slight H2S (?) odor.

Remarks: Dewatered to ca. 3' water in well at 3 well volumes purge. JF sampled 2 VOA and 1 amber liter at 16:25.

Signature: D. Forsythe

Volumes Per Unit Length Selected Well Casing Diameters – Volumes Per Unit Length				
Well Casing I.D. (inches)	Cubic			
	Gal/ft.	Ft/ft	L/M	L/Ft
1.5	0.0918	0.0123	1.140	0.3475
2.0	**0.1632**	0.0218	2.027	0.6178
3.0	0.3672	0.0491	4.560	1.390
4.0	0.6528	0.0873	8.107	2.4710
6.0	1.4690	0.1963	18.240	5.560

Conversion Factors		
To Convert	Into	Multiply
Ft of Water	Lbs/sq inch	0.4335
Lbs/Sq inch	Ft of Water	2.3070
Cubic Feet	Gallons	7.2800
Gallons	Liters	3.7850
Feet	Meters	0.30048
Inches	Centimeters	2.5400

HOEXTER CONSULTING INC. Groundwater Sampling Field Log

Project: Grimit, 1970 Seminary Ave, Oakland, CA.	Project No.: E-10-1E-391E
Client: D. Grimit c/o A. LaMarca	Date: **January 27, 2004**
Project Manager: D. F. Hoexter	Sample Location/I.D.: **MW- 4**
Sampler: J. Forsythe, D. Hoexter	Lab ID.:

Casing Diameter: **2 inch** 3 inch 4 inch 6 inch Other

Depth of Well (feet): 35.5	Calculated Purge Volume (gal): 12
Depth to Water (feet): 17.15	Actual Purged Volume (gal): 9
Sample Depth (feet):	Start Time:

Field Measurements

Time	Cum	Volume (gal.)	pH (units)	E.C. (umhos/cm)	Temperature (Deg. F)	Color (Visual)	Other
1230	3	3	6.79	773	63.4	Clear, sl sheen, mod odor	
1239	6	3	6.60	751	63.5	GW 24.5'	
1253	9	3	6.59	752	62.9	GW 26.7'	

Purge Method

2" Bladder Pump	**Bailer**	Well Wizard	**Dedicated**
Submersible Pump	Centrifugal Pump	Dipper	Other
Pneumatic Displ. Pump			

Sample Method

2" Bladder Pump	**Bailer**	Well Wizard	**Dedicated**
Surface Sampler	Dipper	Fultz Pump	Other

Well Integrity: OK; clear, slight sheen, moderate odor initial purge.

Remarks: DFH sampled 2VOA, 1 amber liter at 1649.

Signature: D. F. H

Volumes Per Unit Length Selected Well Casing Diameters – Volumes Per Unit Length				
Well Casing I.D. (inches)	Cubic			
	Gal/ft.	Ft/ft	L/M	L/Ft
1.5	0.0918	0.0123	1.140	0.3475
2.0	**0.1632**	0.0218	2.027	0.6178
3.0	0.3672	0.0491	4.560	1.390
4.0	0.6528	0.0873	8.107	2.4710
6.0	1.4690	0.1963	18.240	5.560

Conversion Factors		
To Convert	Into	Multiply
Ft of Water	Lbs/sq inch	0.4335
Lbs/Sq Inch	Ft of Water	2.3070
Cubic Feet	Gallons	7.2800
Gallons	Liters	3.7850
Feet	Meters	0.30048
Inches	Centimeters	2.5400

HOEXTER CONSULTING INC. Groundwater Sampling Field Log

Project: Grimit, 1970 Seminary Ave, Oakland, CA.	Project No.: E-10-1E-391E
Client: D. Grimit c/o A. LaMarca	Date: **January 27, 2004**
Project Manager: D. F. Hoexter	Sample Location/I.D.: **MW - 5**
Sampler: J. Forsythe, D. Hoexter	Lab ID.:

Casing Diameter: **2 inch** 3 inch 4 inch 6 inch Other

Depth of Well (feet): 35	Calculated Purge Volume (gal): 10.8
Depth to Water (feet): 18.34	Actual Purged Volume (gal): 9
Sample Depth (feet):	Start Time:

Field Measurements

Time	Cum	Volume (gal.)	pH (units)	E.C. (umhos/cm)	Temperature (Deg. F)	Color (Visual)	Other
1139	3	3	6.61	670	60.6	Cloudy	Sl sheen, no odor
1149	6	3	6.65	674	60.7		
1200	9	3	6.65	806	59.8		

Purge Method

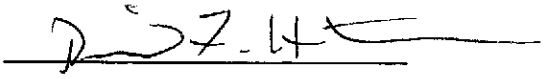
2" Bladder Pump	**Bailer**	Well Wizard	**Dedicated**
Submersible Pump	Centrifugal Pump	Dipper	Other
Pneumatic Displ. Pump			

Sample Method

2" Bladder Pump	**Bailer**	Well Wizard	**Dedicated**
Surface Sampler	Dipper	Fultz Pump	Other

Well Integrity: OK; initial bailer clear, no sheen, no odor.

Remarks: JF sampled 1555 2 VOA and 1 amber liter.

Signature: 

Volumes Per Unit Length Selected Well Casing Diameters – Volumes Per Unit Length				
Well Casing I.D. (inches)	Cubic			
	Gal/ft.	Ft/ft	L/M	L/Ft
1.5	0.0918	0.0123	1.140	0.3475
2.0	**0.1632**	0.0218	2.027	0.6178
3.0	0.3672	0.0491	4.560	1.390
4.0	0.6528	0.0873	8.107	2.4710
6.0	1.4690	0.1963	18.240	5.560

Conversion Factors		
To Convert	Into	Multiply
Ft of Water	Lbs/sq inch	0.4335
Lbs/Sq inch	Ft of Water	2.3070
Cubic Feet	Gallons	7.2800
Gallons	Liters	3.7850
Feet	Meters	0.30048
Inches	Centimeters	2.5400

HOEXTER CONSULTING INC. Groundwater Sampling Field Log

Project: Grimit, 1970 Seminary Ave, Oakland, CA.	Project No.: E-10-1E-391E
Client: D. Grimit c/o A. LaMarca	Date: **January 27, 2004**
Project Manager: D. F. Hoexter	Sample Location/I.D.: **MW- 6**
Sampler: J. Forsythe, D. Hoexter	Lab ID.:

Casing Diameter: **2 inch** 3 inch 4 inch 6 inch Other

Depth of Well (feet): 20	Calculated Purge Volume (gal): 7.2
Depth to Water (feet): 9.20	Actual Purged Volume (gal): 6
Sample Depth (feet):	Start Time:

Field Measurements

Time	Cum	Volume (gal.)	pH (units)	E.C. (umhos/cm)	Temperature (Deg. F)	Color (Visual)	Other
1308	2	2	6.53	813	60.3		
1315	4	2	6.56	851	61.1	Clear	
1323	6	2	6.56	853	61.8	Clear	GW 13.7'

Purge Method

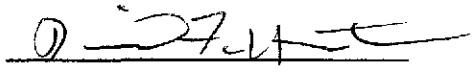
2" Bladder Pump	**Bailer**	Well Wizard	**Dedicated**
Submersible Pump	Centrifugal Pump	Dipper	Other
Pneumatic Displ. Pump			

Sample Method

2" Bladder Pump	**Bailer**	Well Wizard	**Dedicated**
Surface Sampler	Dipper	Fultz Pump	Other

Well Integrity: OK; no product, odor or sheen on initial bailing.

Remarks: JF sampled 2 VOA and 1 amber liter at 1536.

Signature: 

Volumes Per Unit Length Selected Well Casing Diameters – Volumes Per Unit Length				
Well Casing I.D. (inches)	Cubic			
	Gal/ft.	Ft/ft	L/M	L/Ft
1.5	0.0918	0.0123	1.140	0.3475
2.0	**0.1632**	0.0218	2.027	0.6178
3.0	0.3672	0.0491	4.560	1.390
4.0	0.6528	0.0873	8.107	2.4710
6.0	1.4690	0.1963	18.240	5.560

Conversion Factors		
To Convert	Into	Multiply
Ft of Water	Lbs/sq inch	0.4335
Lbs/Sq inch	Ft of Water	2.3070
Cubic Feet	Gallons	7.2200
Gallons	Liters	3.7850
Feet	Meters	0.30048
Inches	Centimeters	2.5400

HOEXTER CONSULTING INC. Groundwater Sampling Field Log

Project: Grimit, 1970 Seminary Ave, Oakland, CA.	Project No.: E-10-1E-391E
Client: D. Grimit c/o A. LaMarca	Date: **January 27, 2004**
Project Manager: D. F. Hoexter	Sample Location/I.D.: **MW- 7**
Sampler: J. Forsythe, D. Hoexter	Lab ID.:

Casing Diameter: **2 inch** 3 inch 4 inch 6 inch Other

Depth of Well (feet): 32	Calculated Purge Volume (gal): 10
Depth to Water (feet): 16.84	Actual Purged Volume (gal): 7.5
Sample Depth (feet):	Start Time:

Field Measurements

Time	Cum	Volume (gal.)	pH (units)	E.C. (umhos/cm)	Temperature (Deg. F)	Color (Visual)	Other
1316	2.5	2.5	6.64	796	62.2	Clear	No sheen
1325	5.0	2.5	6.67	741	62.4		Sl H2S
1335	7.5	2.5	6.75	760	61.8		odor

Purge Method

2" Bladder Pump	**Bailer**	Well Wizard	**Dedicated**
Submersible Pump	Centrifugal Pump	Dipper	Other
Pneumatic Displ. Pump			

Sample Method

2" Bladder Pump	**Bailer**	Well Wizard	**Dedicated**
Surface Sampler	Dipper	Fultz Pump	Other

Well Integrity: OK; initial bailer clear, no sheen, H2S odor.

Remarks: DFH sampled 1609 2 VOA and 1 amber liter.

Signature: D. F. Hoexter

Volumes Per Unit Length Selected Well Casing Diameters – Volumes Per Unit Length				
Well Casing I.D. (inches)	Cubic			
	Gal/ft.	Ft/ft	L/M	L/Ft
1.5	0.0918	0.0123	1.140	0.3475
2.0	**0.1632**	0.0218	2.027	0.6178
3.0	0.3672	0.0491	4.560	1.390
4.0	0.6528	0.0873	8.107	2.4710
6.0	1.4690	0.1963	18.240	5.560

Conversion Factors		
To Convert	Into	Multiply
Ft of Water	Lbs/sq inch	0.4335
Lbs/Sq inch	Ft of Water	2.3070
Cubic Feet	Gallons	7.2800
Gallons	Liters	3.7850
Feet	Meters	0.30048
Inches	Centimeters	2.5400

HOEXTER CONSULTING INC. Groundwater Sampling Field Log

Project: Grimit, 1970 Seminary Ave, Oakland, CA.	Project No.: E-10-1E-391E
Client: D. Grimit c/o A. LaMarca	Date: **January 27, 2004**
Project Manager: D. F. Hoexter	Sample Location/I.D.: **MW- 8**
Sampler: J. Forsythe, D. Hoexter	Lab ID.:

Casing Diameter: **2 inch** 3 inch 4 inch 6 inch Other

Depth of Well (feet): 20	Calculated Purge Volume (gal): 10.4
Depth to Water (feet): 4.26	Actual Purged Volume (gal): 10.5
Sample Depth (feet):	Start Time:

Field Measurements

Time	Cum	Volume (gal.)	pH (units)	E.C. (umhos/cm)	Temperature (Deg. F)	Color (Visual)	Other
1358	2.5	2.5	6.96	183	58.5	Clear	No sheen or odor
1409	5	2.5	7.04	225	57.9	Tan	
1416	7.5	2.5	7.10	247	57.7		
1423	10.0	2.5	7.12	244	57.5		

Purge Method

2" Bladder Pump	**Bailer**	Well Wizard	**Dedicated**
Submersible Pump	Centrifugal Pump	Dipper	Other
Pneumatic Displ. Pump			

Sample Method

2" Bladder Pump	**Bailer**	Well Wizard	**Dedicated**
Surface Sampler	Dipper	Fultz Pump	Other

Well Integrity: OK; initial bailer clear, no product or sheen, no odor.

Remarks: Sampled by JF 1458, 2 VOA and 1 amber liter.

Signature: D. F. Hoexter

Volumes Per Unit Length Selected Well Casing Diameters – Volumes Per Unit Length				
Well Casing I.D. (inches)	Cubic			
	Gal/ft.	Ft/ft	L/M	L/Ft
1.5	0.0918	0.0123	1.140	0.3475
2.0	**0.1632**	0.0218	2.027	0.6178
3.0	0.3672	0.0491	4.560	1.390
4.0	0.6528	0.0873	8.107	2.4710
6.0	1.4690	0.1963	18.240	5.560

Conversion Factors		
To Convert	Into	Multiply
Ft of Water	Lbs/sq inch	0.4335
Lbs/Sq inch	Ft of Water	2.3070
Cubic Feet	Gallons	7.2800
Gallons	Liters	3.7850
Feet	Meters	0.30048
Inches	Centimeters	2.5400

HOEXTER CONSULTING INC. Groundwater Sampling Field Log

Project: Grimit, 1970 Seminary Ave, Oakland, CA.	Project No.: E-10-1E-391E
Client: D. Grimit c/o A. LaMarca	Date: **January 27, 2004**
Project Manager: D. F. Hoexter	Sample Location/I.D.: **MW- 9**
Sampler: J. Forsythe, D. Hoexter	Lab ID.:

Casing Diameter: **2 inch** 3 inch 4 inch 6 inch Other

Depth of Well (feet): 20	Calculated Purge Volume (gal): 5.6
Depth to Water (feet): 11.72	Actual Purged Volume (gal): 4.0
Sample Depth (feet):	Start Time:

Field Measurements

Time	Cum	Volume (gal.)	pH (units)	E.C. (umhos/cm)	Temperature (Deg. F)	Color (Visual)	Other
1101	1.5	1.5	6.6	842	59.1		
1110	3.0	1.5	6.64	871	63.3	Sl cloudy	
1112	4.0	1.0	6.72	884	63.7		H2S odor

Purge Method

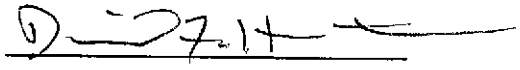
2" Bladder Pump	**Bailer**	Well Wizard	**Dedicated**
Submersible Pump	Centrifugal Pump	Dipper	Other
Pneumatic Displ. Pump			

Sample Method

2" Bladder Pump	**Bailer**	Well Wizard	**Dedicated**
Surface Sampler	Dipper	Fultz Pump	Other

Well Integrity: OK. No odor product or sheen on initial bailer extraction.

Remarks: < 3' water following 4.0 gal purge; allowed well to recharge as much as possible, then DFH sampled 1700, 2 VOA and 1 amber liter.

Signature: 

Volumes Per Unit Length Selected Well Casing Diameters – Volumes Per Unit Length				
Well Casing I.D. (inches)	Cubic			
	Gal/ft.	Ft/ft	L/M	L/Ft
1.5	0.0918	0.0123	1.140	0.3475
2.0	0.1632	0.0218	2.027	0.6178
3.0	0.3672	0.0491	4.560	1.390
4.0	0.6528	0.0873	8.107	2.4710
6.0	1.4690	0.1963	18.240	5.560

Conversion Factors		
To Convert	Into	Multiply
Ft of Water	Lbs/sq inch	0.4335
Lbs/Sq inch	Ft of Water	2.3070
Cubic Feet	Gallons	7.2830
Gallons	Liters	3.7850
Feet	Meters	0.30048
Inches	Centimeters	2.5400

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Website: www.mccampbell.com E-mail: main@mccampbell.com

Hoexter Consulting Eng. Geology 734 Torreya Court Palo Alto, CA 94303-4160	Client Project ID: #E-10-IE-391E; Grimit	Date Sampled: 01/27/04 Date Received: 01/29/04
	Client Contact: David Hoexter	Date Reported: 02/04/04
	Client P.O.:	Date Completed: 02/04/04

WorkOrder: 0401349

February 04, 2004

Dear David:

Enclosed are:

1). the results of **9** analyzed samples from your **#E-10-IE-391E; Grimit project,**

2). a QC report for the above samples

3). a copy of the chain of custody, and

4). a bill for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits. If you have any questions please contact me. McCampbell Analytical Laboratories strives for excellence in quality, service and cost. Thank you for your business and I look forward to working with you again.

Yours truly,

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.

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Hoexter Consulting Eng. Geology	Client Project ID: #E-10-IE-391E; Grimit	Date Sampled: 01/27/04
734 Torreya Court		Date Received: 01/29/04
Palo Alto, CA 94303-4160	Client Contact: David Hoexter	Date Extracted: 01/31/04-02/02/04
	Client P.O.:	Date Analyzed: 01/31/04-02/02/04

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE*

Extraction method: SW5030B Analytical methods: SW8021B/8015Cm Work Order: 0401349

Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS
001A	MW-1	W	21,000,a,h	ND<250	1600	1500	1100	3200	50	123
002A	MW-2	W	180,a	ND	10	ND	3.2	10	1	---#
003A	MW-3	W	85,b	ND	ND	ND	0.87	0.57	1	120
004A	MW-4	W	1100,a,h	ND<10	350	10	17	5.0	2	---#
005A	MW-5	W	7600,a	ND<400	220	50	460	290	10	---#
006A	MW-6	W	2600,a	ND<80	420	20	170	180	2	---#
007A	MW-7	W	3000,a	ND<90	350	15	13	18	5	---#
008A	MW-8	W	ND	ND	ND	ND	ND	ND	1	118
009A	MW-9	W	820,a	ND<20	14	2.6	35	35	2	124

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	50	5.0	0.5	0.5	0.5	0.5	1	µg/L
	S	NA	NA	NA	NA	NA	NA	1	mg/Kg

* water and vapor samples and all TCLP & SPLP extracts are reported in ug/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

cluttered chromatogram; sample peak coelutes with surrogate peak.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified gasoline is significant; b) heavier gasoline range compounds are significant(aged gasoline?); c) lighter gasoline range compounds (the most mobile fraction) are significant; d) gasoline range compounds having broad chromatographic peaks are significant; biologically altered gasoline?; e) TPH pattern that does not appear to be derived from gasoline (stoddard solvent / mineral spirit?); f) one to a few isolated non-target peaks present; g) strongly aged gasoline or diesel range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol. % sediment; j) reporting limit raised due to high MTBE content; k) TPH pattern that does not appear to be derived from gasoline (aviation gas). m) no recognizable pattern.

DHS Certification No. 1644

Angela Rydelius, Lab Manager

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Hoexter Consulting Eng. Geology	Client Project ID: #E-10-IE-391E; Grimit	Date Sampled: 01/27/04
734 Torreya Court		Date Received: 01/29/04
Palo Alto, CA 94303-4160	Client Contact: David Hoexter	Date Extracted: 01/29/04
	Client P.O.:	Date Analyzed: 01/30/04

Petroleum Oil & Grease with Silica Gel Clean-Up*

Analytical methods: SM5520B/F Work Order: 0401349

Lab ID	Client ID	Matrix	POG	DF	% SS
0401349-001C	MW-1	W	220,h	1	N/A
0401349-002C	MW-2	W	ND	1	N/A
0401349-003C	MW-3	W	ND	1	N/A
0401349-004C	MW-4	W	31,h	1	N/A
0401349-005C	MW-5	W	ND	1	N/A
0401349-006C	MW-6	W	ND	1	N/A
0401349-007C	MW-7	W	ND	1	N/A
0401349-008C	MW-8	W	ND	1	N/A
0401349-009C	MW-9	W	ND	1	N/A

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	5.0	mg/L
	S	NA	NA

* water samples are reported in mg/L, soil/sludge/solid samples in mg/kg, wipe samples in mg/wipe, product/oil/non-aqueous liquid samples in mg/L.

DF = dilution factor (may be raised to dilute target analyte or matrix interference).

surrogate diluted out of range or not applicable to this sample.

g) sample extract repeatedly cleaned up with silica gel until constant IR result achieved; h) a lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol. % sediment.

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Hoexter Consulting Eng. Geology	Client Project ID: #E-10-IE-391E; Grimit	Date Sampled: 01/27/04
734 Torreya Court		Date Received: 01/29/04
Palo Alto, CA 94303-4160	Client Contact: David Hoexter	Date Extracted: 01/31/04
	Client P.O.:	Date Analyzed: 01/31/04

Halogenated Volatile Organics by P&T and GC-ELCD (8010 Basic Target List)*

Extraction Method: SW5030B | Analytical Method: SW8021B | Work Order: 0401349

Lab ID	0401349-001B	0401349-002B	0401349-003B	0401349-004B	Reporting Limit for DF =1	
Client ID	MW-1	MW-2	MW-3	MW-4		
Matrix	W	W	W	W		
DF	100	1	1	10	S	W
Compound	**Concentration**				µg/kg	µg/L
Bromodichloromethane	ND<50	ND	ND	ND<5.0	NA	0.5
Bromoform	ND<50	ND	ND	ND<5.0	NA	0.5
Bromomethane	ND<50	ND	ND	ND<5.0	NA	0.5
Carbon Tetrachloride	ND<50	ND	ND	ND<5.0	NA	0.5
Chlorobenzene	ND<50	ND	ND	ND<5.0	NA	0.5
Chloroethane	ND<50	ND	ND	ND<5.0	NA	0.5
2-Chloroethyl vinyl ether	ND<50	ND	ND	ND<5.0	NA	0.5
Chloroform	ND<50	ND	ND	ND<5.0	NA	0.5
Chloromethane	ND<50	ND	ND	ND<5.0	NA	0.5
Dibromochloromethane	ND<50	ND	ND	ND<5.0	NA	0.5
1,2-Dichlorobenzene	ND<50	ND	ND	41	NA	0.5
1,3-Dichlorobenzene	ND<50	ND	ND	11	NA	0.5
1,4-Dichlorobenzene	ND<50	ND	ND	9.7	NA	0.5
Dichlorodifluoromethane	ND<50	ND	ND	ND<5.0	NA	0.5
1,1-Dichloroethane	ND<50	ND	ND	ND<5.0	NA	0.5
1,2-Dichloroethane	ND<50	14	ND	ND<5.0	NA	0.5
1,1-Dichloroethene	ND<50	ND	ND	ND<5.0	NA	0.5
cis-1,2-Dichloroethene	ND<50	8.9	ND	370	NA	0.5
trans-1,2-Dichloroethene	ND<50	ND	ND	25	NA	0.5
1,2-Dichloropropane	ND<50	ND	ND	ND<5.0	NA	0.5
cis-1,3-Dichloropropene	ND<50	ND	ND	ND<5.0	NA	0.5
trans-1,3-Dichloropropene	ND<50	ND	ND	ND<5.0	NA	0.5
Methylene chloride	ND<50	ND	ND	ND<5.0	NA	0.5
1,1,2,2-Tetrachloroethane	ND<50	ND	ND	ND<5.0	NA	0.5
Tetrachloroethene	ND<50	ND	ND	ND<5.0	NA	0.5
1,1,1-Trichloroethane	ND<50	ND	ND	ND<5.0	NA	0.5
1,1,2-Trichloroethane	ND<50	ND	ND	12	NA	0.5
Trichloroethene	ND<50	9.4	ND	32	NA	0.5
Trichlorofluoromethane	ND<50	ND	ND	ND<5.0	NA	0.5
Vinyl Chloride	ND<50	ND	ND	310	NA	0.5
Surrogate Recoveries (%)						
%SS:	110	113	114	112		
Comments	j,h			h		

* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in µg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or surrogate coelutes with another peak.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol. % sediment; j) sample diluted due to high organic content; k) reporting limit rasied due to insufficient sample amount.

DHS Certification No. 1644

Angela Rydelius, Lab Manager

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Hoexter Consulting Eng. Geology	Client Project ID: #E-10-IE-391E; Grimit	Date Sampled: 01/27/04
734 Torreya Court		Date Received: 01/29/04
Palo Alto, CA 94303-4160	Client Contact: David Hoexter	Date Extracted: 01/31/04-02/02/04
	Client P.O.:	Date Analyzed: 01/31/04-02/02/04

Halogenated Volatile Organics by P&T and GC-ELCD (8010 Basic Target List)*

Extraction Method: SW5030B Analytical Method: SW8021B Work Order: 0401349

Lab ID	0401349-005B	0401349-006B	0401349-007B	0401349-008B	Reporting Limit for DF =1	
Client ID	MW-5	MW-6	MW-7	MW-8		
Matrix	W	W	W	W		
DF	10	5	10	1	S	W
Compound	**Concentration**				µg/kg	µg/L
Bromodichloromethane	ND<5.0	ND<2.5	ND<5.0	ND	NA	0.5
Bromoform	ND<5.0	ND<2.5	ND<5.0	ND	NA	0.5
Bromomethane	ND<5.0	ND<2.5	ND<5.0	ND	NA	0.5
Carbon Tetrachloride	ND<5.0	ND<2.5	ND<5.0	ND	NA	0.5
Chlorobenzene	ND<5.0	ND<2.5	ND<5.0	ND	NA	0.5
Chloroethane	ND<5.0	ND<2.5	ND<5.0	ND	NA	0.5
2-Chloroethyl vinyl ether	ND<5.0	ND<2.5	ND<5.0	ND	NA	0.5
Chloroform	ND<5.0	ND<2.5	ND<5.0	ND	NA	0.5
Chloromethane	ND<5.0	ND<2.5	ND<5.0	ND	NA	0.5
Dibromochloromethane	ND<5.0	ND<2.5	ND<5.0	ND	NA	0.5
1,2-Dichlorobenzene	ND<5.0	ND<2.5	ND<5.0	ND	NA	0.5
1,3-Dichlorobenzene	ND<5.0	ND<2.5	ND<5.0	ND	NA	0.5
1,4-Dichlorobenzene	ND<5.0	ND<2.5	ND<5.0	ND	NA	0.5
Dichlorodifluoromethane	ND<5.0	ND<2.5	ND<5.0	ND	NA	0.5
1,1-Dichloroethane	ND<5.0	ND<2.5	ND<5.0	ND	NA	0.5
1,2-Dichloroethane	ND<5.0	ND<2.5	ND<5.0	ND	NA	0.5
1,1-Dichloroethene	ND<5.0	ND<2.5	ND<5.0	ND	NA	0.5
cis-1,2-Dichloroethene	ND<5.0	8.4	130	4.0	NA	0.5
trans-1,2-Dichloroethene	ND<5.0	ND<2.5	ND<5.0	ND	NA	0.5
1,2-Dichloropropane	ND<5.0	ND<2.5	ND<5.0	ND	NA	0.5
cis-1,3-Dichloropropene	ND<5.0	ND<2.5	ND<5.0	ND	NA	0.5
trans-1,3-Dichloropropene	ND<5.0	ND<2.5	ND<5.0	ND	NA	0.5
Methylene chloride	ND<5.0	ND<2.5	ND<5.0	ND	NA	0.5
1,1,2,2-Tetrachloroethane	ND<5.0	ND<2.5	ND<5.0	ND	NA	0.5
Tetrachloroethene	ND<5.0	ND<2.5	ND<5.0	3.1	NA	0.5
1,1,1-Trichloroethane	ND<5.0	ND<2.5	ND<5.0	ND	NA	0.5
1,1,2-Trichloroethane	ND<5.0	13	ND<5.0	ND	NA	0.5
Trichloroethene	ND<5.0	ND<2.5	20	3.1	NA	0.5
Trichlorofluoromethane	ND<5.0	ND<2.5	ND<5.0	ND	NA	0.5
Vinyl Chloride	ND<5.0	3.2	24	ND	NA	0.5
Surrogate Recoveries (%)						
%SS:	114	97	111	113		
Comments	j					

* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in µg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or surrogate coelutes with another peak.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol. % sediment; j) sample diluted due to high organic content; k) reporting limit rasied due to insufficient sample amount.

DHS Certification No. 1644

Angela Rydelius, Lab Manager

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Hoexter Consulting Eng. Geology	Client Project ID: #E-10-IE-391E; Grimit	Date Sampled: 01/27/04
734 Torreya Court		Date Received: 01/29/04
Palo Alto, CA 94303-4160	Client Contact: David Hoexter	Date Extracted: 01/31/04-02/02/04
	Client P.O.:	Date Analyzed: 01/31/04-02/02/04

Halogenated Volatile Organics by P&T and GC-ELCD (8010 Basic Target List)*

Extraction Method: SW5030B | Analytical Method: SW8021B | Work Order: 0401349

					Reporting Limit for DF =1	
Lab ID	0401349-009B					
Client ID	MW-9					
Matrix	W				S	W
DF	10				µg/kg	µg/L
Compound	**Concentration**					
Bromodichloromethane	ND<5.0				NA	0.5
Bromoform	ND<5.0				NA	0.5
Bromomethane	ND<5.0				NA	0.5
Carbon Tetrachloride	ND<5.0				NA	0.5
Chlorobenzene	ND<5.0				NA	0.5
Chloroethane	ND<5.0				NA	0.5
2-Chloroethyl vinyl ether	ND<5.0				NA	0.5
Chloroform	ND<5.0				NA	0.5
Chloromethane	ND<5.0				NA	0.5
Dibromochloromethane	ND<5.0				NA	0.5
1,2-Dichlorobenzene	ND<5.0				NA	0.5
1,3-Dichlorobenzene	ND<5.0				NA	0.5
1,4-Dichlorobenzene	ND<5.0				NA	0.5
Dichlorodifluoromethane	ND<5.0				NA	0.5
1,1-Dichloroethane	ND<5.0				NA	0.5
1,2-Dichloroethane	ND<5.0				NA	0.5
1,1-Dichloroethene	ND<5.0				NA	0.5
cis-1,2-Dichloroethene	ND<5.0				NA	0.5
trans-1,2-Dichloroethene	ND<5.0				NA	0.5
1,2-Dichloropropane	ND<5.0				NA	0.5
cis-1,3-Dichloropropene	ND<5.0				NA	0.5
trans-1,3-Dichloropropene	ND<5.0				NA	0.5
Methylene chloride	ND<5.0				NA	0.5
1,1,2,2-Tetrachloroethane	ND<5.0				NA	0.5
Tetrachloroethene	ND<5.0				NA	0.5
1,1,1-Trichloroethane	ND<5.0				NA	0.5
1,1,2-Trichloroethane	ND<5.0				NA	0.5
Trichloroethene	ND<5.0				NA	0.5
Trichlorofluoromethane	ND<5.0				NA	0.5
Vinyl Chloride	ND<5.0				NA	0.5
Surrogate Recoveries (%)						
%SS:	112					
Comments	j					

* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in µg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or surrogate coelutes with another peak.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~2 vol. % sediment; j) sample diluted due to high organic content; k) reporting limit rasied due to insufficient sample amount.

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QC SUMMARY REPORT FOR SW8021B/8015Cm

Matrix: W WorkOrder: 0401349

EPA Method: SW8021B/8015Cm Extraction: SW5030B BatchID: 10142 Spiked Sample ID: 0401348-001A

	Sample	Spiked	MS*	MSD*	MS-MSD*	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	Low	High
TPH(btex)£	ND	60	104	99.7	3.85	93.5	88.3	5.67	70	130
MTBE	38.15	10	NR	NR	NR	102	97.9	4.01	70	130
Benzene	ND	10	105	105	0	99.6	97.9	1.76	70	130
Toluene	ND	10	101	101	0	102	101	1.36	70	130
Ethylbenzene	ND	10	107	104	2.61	106	104	1.87	70	130
Xylenes	ND	30	96.3	92.3	4.24	107	107	0	70	130
%SS:	100	10	103	103	0	110	109	1.25	70	130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

* MS and / or MSD spike recoveries may not be near 100% or the RPDs near 0% if: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) if that specific sample matrix interferes with spike recovery.

£ TPH(btex) = sum of BTEX areas from the FID.

cluttered chromatogram; sample peak coelutes with surrogate peak.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.
NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

DHS Certification No. 1644

TL QA/QC Officer

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QC SUMMARY REPORT FOR SM5520B/F

Matrix: W WorkOrder: 0401349

EPA Method: SM5520B/F Extraction: PRHEM-SGT_ BatchID: 10117 Spiked Sample ID: N/A

	Sample	Spiked	MS*	MSD*	MS-MSD*	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	mg/L	mg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	Low	High
POG	N/A	100	N/A	N/A	N/A	99	98	1.02	70	130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

* MS and / or MSD spike recoveries may not be near 100% or the RPDs near 0% if: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) if that specific sample matrix interferes with spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.
NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

surrogate diluted out of range.

DHS Certification No. 1644

QA/QC Officer

McCampbell Analytical, Inc.

110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
Website: www.mccampbell.com E-mail: main@mccampbell.com

QC SUMMARY REPORT FOR SW8021B

Matrix: W WorkOrder: 0401349

EPA Method: SW8021B Extraction: SW5030B BatchID: 10147 Spiked Sample ID: 0401347-005A

	Sample	Spiked	MS*	MSD*	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	Low	High
Chlorobenzene	ND<50	10	85.5	82.5	3.57	82.9	74.3	11.0	70	130
1,1-Dichloroethene	ND<50	10	90.7	89.6	1.22	92.8	88	5.31	70	130
Trichloroethene	81.00	10	89.7	87.4	2.60	76	72	5.39	70	130
%SS:	96	10	91.8	93.4	1.73	96.6	93.8	2.94	70	130

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

* MS and / or MSD spike recoveries may not be near 100% or the RPDs near 0% if: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) if that specific sample matrix interferes with spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.
NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

Laboratory extraction solvents such as methylene chloride and acetone may occasionally appear in the method blank at low levels.

DHS Certification No. 1644

QA/QC Officer

McCampbell Analytical, Inc.
110 Second Avenue South, #D7
Pacheco, CA 94553-5560
(925) 798-1620

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0401349

Report to:
David Hoexter
Hoexter Consulting Eng. Geology
734 Torreya Court
Palo Alto, CA 94303-4160
TEL: (650) 494-2505
FAX: (650) 494-7920
ProjectNo: #E-10-IE-391E; Grimit
PO:

Bill to:
Accounts Payable
Hoexter Consulting Eng. Geology
734 Torreya Court
Palo Alto, CA 94303-4160

Requested TAT: 5 days
Date Received: 1/29/04
Date Printed: 1/29/04

Sample ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)														
					1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
0401349-001	MW-1	Water	1/27/04 4:30:00 PM	☐	C	B	A												
0401349-002	MW-2	Water	1/27/04 4:55:00 PM	☐	C	B	A												
0401349-003	MW-3	Water	1/27/04 4:25:00 PM	☐	C	B	A												
0401349-004	MW-4	Water	1/27/04 4:49:00 PM	☐	C	B	A												
0401349-005	MW-5	Water	1/27/04 3:55:00 PM	☐	C	B	A												
0401349-006	MW-6	Water	1/27/04 3:35:00 PM	☐	C	B	A												
0401349-007	MW-7	Water	1/27/04 4:09:00 PM	☐	C	B	A												
0401349-008	MW-8	Water	1/27/04 2:58:00 PM	☐	C	B	A												
0401349-009	MW-9	Water	1/27/04 5:00:00 PM	☐	C	B	A												

Test Legend:

1	5520B_SG_W	2	8010B_W	3	G-MBTEX_W	4		5	
6		7		8		9		10	
11		12		13		14		15	

Prepared by: Melissa Valles

Comments:

NOTE: Samples are discarded 60 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at client expense.

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CHAIN-OF-CUSTODY RECORD

Project Number	Project Name/Location	Sampler's Name (Printed)
E-10-1E-391E	Grimit – 1970 Seminary Ave. Oakland CA	D. Hoexter, J. Forsythe

	Boring/ Well Number	Date	Time	Soil	Water	Sample Location or Depth	Type of Containers	Number of Containers	Analytical Tests: TPH-G/BTEX/MTBE	Analytical Tests: 8010 HVOC	Analytical Tests: SM 5520B/F&B Oil	Analytical Tests:	Analytical Tests:	Analytical Tests:	Sample Containers Preserved	Remarks	
(+)	MW-1	1/27/04	1630				VOA	2	✓	✓					✓		1
							Amber	1			✓						2
(+)	-2		1655				VOA	2	✓	✓					✓		3
							Amber	1			✓						4
(+)	-3		1625				VOA	2	✓	✓					✓		5
							Amber	1			✓						6
+	-4		1649				VOA	2	✓	✓					✓		7
							Amber	1			✓						8
(+)	-5		1555				VOA	2	✓	✓					✓		9
							Amber	1			✓						10
(+)	-6		1535				VOA	2	✓	✓					✓		11
							Amber	1			✓						12
+	-7		1609				VOA	2	✓	✓					✓		13
							Amber	1			✓						14
																	15

Relinquished by: (Signature)	Date/Time 1/29/04	Received by: (Signature) 1/29/4 2:10
Relinquished by: (Signature) 1/29/4 6:00	Date/Time 01/29 6 pm	Received by: (Signature)
Relinquished by: (Signature)	Date/Time	Received for Laboratory by: (Signature)

Ship To: McCampbell Analytical, Pacheco CA

Attention:

Phone No:

Requested Turnaround Time: Normal

Contact: David F. Hoexter

Remarks: Please prepare / email EDF –

LAB USE
RECEIPT
GOOD CONDITION ✓
HEAD SPACE ABSENT ✓
DECHLORINATED IN LAB
APPROPRIATE CONTAINERS ✓
PRESERVED IN LAB
PRESERVATION: VOAs | O&G | METALS | OTHER

Hoexter Consulting Inc.
Engineering and Environmental Geology
4 Torreya Court • Palo Alto, CA 94303
Phone: 650.494.2505 Fax: 650.494.2515
Email: david@hoexterconsulting.com

2/2

CHAIN-OF-CUSTODY RECORD

Project Number	Project Name/Location	Sampler's Name (Printed)
E-10-1E-391E	Grimit — 1970 Seminary Ave. Oakland CA	Hoexter/Forsyth

	Boring/ Well Number	Date	Time	Soil	Water	Sample Location or Depth	Type of Containers	Number of Containers	Analytical Tests: TPH-G	BTEX/MTBE	8010 HVOC	SM 5520 B&F Oil			Sample Containers Preserved	Remarks	
+	-8	1/27/04	1458				VOA	2	✓	✓					✓		1
							Amber	1			✓						2
+	-9		1700				VOA	2	✓	✓					✓		3
							Amber	1			✓						4
			1632				VOA	1	✓	✓	~~✓~~ DFA				✓	Priority 8010 if insufficient sample volume	5
																	6
																	7
																	8
																	9
																	10
																	11
																	12
																	13
																	14
																	15

Relinquished by: (Signature)	Date/Time	Received by: (Signature)
[signature]	1/29/04	[signature] 1/29/4 2:12
[signature] 1/29/4 6:00	01/29/04 6pm	[signature]
Relinquished by: (Signature)	Date/Time	Received for Laboratory by: (Signature)

Ship To: Mc Campbell Anal.
Pacheco CA

Attention: _____

Phone No: _____

Requested Turnaround Time: Normal

Contact: David F. Hoexter

Remarks: EDF Required -

Hoexter Consulting Inc.
Engineering and Environmental Geology
734 Torreya Court • Palo Alto, CA 94303
Phone: 650.494.2505 Fax: 650.494.2515
Email: david@hoexterconsulting.com