

20 413

March 3, 2006

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

**Alameda County**  
**APR 11 2006**  
**Environmental Health**

Re: Property on 1970 Seminary Ave, Oakland CA

Dear Mr. Gholami:

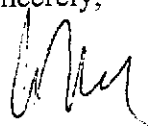
Enclosed please find a copy of the January 2006 Ground Water Sampling Report dated February, 21, 2006 prepared by Hoexter Consulting, Inc.

Please review this report and advise if the levels are acceptable for closure of this site or if any additional action is required. Currently I understand our requirements to be semi annual well sampling, in February and July and compliance with the Geo Tracker system. Please advise if Alameda County requires any further action at this time.

Additionally it would be helpful to know exactly what levels Alameda County wishes to see in order to begin closure of this site. If you could provide this information or suggest where I might be able to find the answers to these questions, I would appreciate it.

I am available via phone, U.S. mail or e-mail. 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. Gruit)  
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

20 413

2006 APR 10 PM 3: 27

**JANUARY 2006  
GROUND WATER SAMPLING REPORT  
FOR  
STID 553 - GRIMIT AUTO AND REPAIR  
1970 SEMINARY AVENUE  
OAKLAND, CALIFORNIA**

**Alameda County  
APR 11 2006  
Environmental Health**

**E-10-1F-565F**

**February 21, 2006**

**Prepared by**

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

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

February 21, 2006

E-10-1F-565F  
HCQuartEnvrRpts:Sem.1970/24(1/06)

Ms Angel La Marca  
945 S. Lehigh St.  
Anaheim Hills, California 92807

RE: **JANUARY 2006  
GROUND WATER SAMPLING REPORT  
STID 553 - GRIMIT AUTO AND REPAIR  
1970 SEMINARY AVENUE  
OAKLAND, CALIFORNIA**

Dear Ms La Marca:

Enclosed is our January 2006 ground water sampling report for the property located at 1970 Seminary Avenue, southwest 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.

Overall contaminant levels in the ground water remain elevated and effectively unchanged from the previous sampling events. Over the life of the wells, concentrations of petroleum hydrocarbon compounds have declined. Concentrations of HVOCs have variably increased and declined.

Primary contaminant sources have been removed. However, residual contaminant concentrations remain elevated, and the lateral extent of contamination has not been delineated.

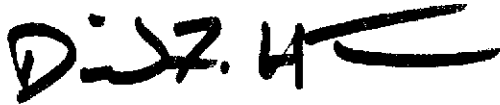
Water production from all wells, excepting well MW-8, has declined. We recommend that all wells excepting MW-8 be re-developed to increase water flow to the well. This may provide more representative water samples for future analysis.

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 2006. 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.

A handwritten signature in black ink, appearing to read "D. F. Hoexter", with a stylized flourish extending to the right.

David F. Hoexter, PG/CEG/REA (Geology registrations expire 11/30/07)  
Principal Geologist

Copies: Addressee (1)

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JANUARY 2006  
GROUND WATER SAMPLING REPORT

For

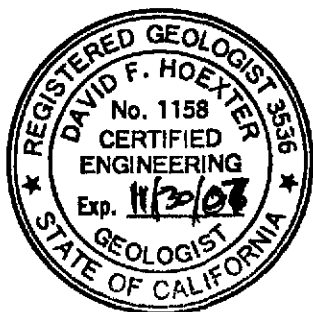
STID 553 - Gritmit Auto and Repair  
1970 Seminary Avenue  
Oakland, California

To

Angel La Marca  
945 S. Lehigh St.  
Anaheim Hills, California 92807

E-10-1F-565F

February 21, 2006



David F. Hoexter

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

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Letter of Transmittal

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**JANUARY 2006  
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 2006 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 locations and pertinent site features 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 24, 2006, two days prior to the planned sampling event. 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 26, 2006.

Following ground water level measurement (Table 1) at the time of purging, each well was checked for free-product with the bailer, and then two 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 following each purge volume removal.

Ground water recharge to most wells was slow, resulting in dewatering of the wells prior to completion of the third or fourth well volume purge. One well only, MW-8, was purged the complete four volumes. In addition, well recovery was slow. Each well was sampled the same day, after allowing for as much recovery as possible, although recovery to the guideline level of 80 per cent of pre-purge elevation was not in all cases accomplished. It is possible that the well screens have become partially plugged.

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 equipment related to the sampling process 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 2005) sampling event. The five "deeper" wells ranged in elevation increase from 1.74 to 3.22 feet, with an average elevation increase of 2.50 feet.

The four "shallow" wells ranged in elevation increase from 1.40 to 2.54 feet, with an average increase of 1.96 feet.

Wells were surveyed in July 2004 by a California Licensed Surveyor, Virgil Chavez Land Surveying. The wells were surveyed to California GeoTracker specifications. 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 for the deep wells; gradient direction and inclination are further to the west and shallower, respectively, for the shallow wells. The data for the five "deeper" wells indicate a gradient direction away from Seminary Avenue towards the east and southeast. The apparent gradient varies across the site, but averages 0.04 foot per foot near the source area. The approximate gradient direction is S 55° E. The data for the four "shallow" wells indicate an opposing gradient direction, towards Seminary Avenue. The apparent shallow gradient also varies across the site, but averages 0.14 foot per foot in the source area. The approximate gradient direction is N 52° W.

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**

The initial bailer extraction was observed for presence of free-phase product and odor following the depth to water sounding. Free-phase product, commonly although not always present in well MW-1, was observed, with a thickness in the bailer of approximately 1/8 inch. Well MW-4 exhibited visual sheen following the initial purge volume. A sheen is common for this well. All wells with the exception of MW-8 generally dewater (i.e. contain less than 3 or 4 feet of standing water) prior to completion of a three- or complete four-volume purge. Two or three well volumes were thus removed from each of the wells, with the exception of MW-8. 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. Tables 4 and 5 are of parameters not currently tested for; Table 6 is 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 (July 2005) analyses.

TPH-G and BTEX levels remained effectively unchanged from the previous sampling event, variably increasing and decreasing. There has been, however, an overall generally downward trend in TPH-G and BTEX levels over the life of most (although not all) 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. MTBE was not detected, although detection limits are elevated and it has been previously detected at the site. Oil/grease were detected in three wells, MW-1, -4 and -7.

Various HVOCs were detected in five of the nine wells. The four wells with non-detections were MW-1, -3, -5 and -9. However, reporting limits ranged from 0.5 ppb (5 wells) to 25 ppb, and thus HVOCs may be present in one or more of the four wells with apparent non-detection.

#### **4.0 CONCLUSIONS AND RECOMMENDATIONS**

All nine wells were available for sampling.

Overall ground water contaminant levels remain elevated and effectively unchanged from the previous sampling events. Over the life of the wells, concentrations of petroleum hydrocarbon compounds have declined. Concentrations of HVOCs have variably increased and declined.

Primary contaminant sources have been removed. However, residual ground water contaminant concentrations remain elevated. In addition, the lateral (off-site) extent of contamination has not been delineated.

Water production from all wells, excepting well MW-8, has declined. We recommend that all wells excepting MW-8 be re-developed to increase water flow to the well. This may provide more representative water samples for future analysis.

Wells have been surveyed to State of California GeoTracker standards. Data and a copy of this report have or will be uploaded to the GeoTracker web site.

#### **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.

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**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)
<b>MW-1 ("deep")</b>			
8/6/90	37.00	21.5	15.5
1/28/92		21.0	16.0
4/27/92		20.95	16.05
8/10/92		22.20	14.80
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
7/22/04	40.02	20.22	19.80 (7)
1/20/05		13.92	26.10
7/20/05		16.76	23.26
1/26/06		14.40	25.62
<b>MW-2 ("deep")</b>			
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

Well Number and Date of Measurement	Reference Elevation (2)	Depth To Water	Relative Ground Water Elevation (2)
<b>MW-2 ("deep") cont'</b>			
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
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
7/22/04	39.42	13.86	25.56 (7)
1/20/05		10.24	29.18
7/20/05		12.34	27.08
1/26/06		10.60	28.82
<b>MW-3 ("shallow")</b>			
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
7/22/04	39.95	11.29	28.66 (7)
1/20/05		6.24	33.71
7/20/05		9.03	30.92
1/26/06		6.49	33.46

Well Number and Date of Measurement	Reference Elevation (2)	Depth To Water	Relative Ground Water Elevation (2)
<b>MW-4 ("deep")</b>			
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
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
7/22/04	39.49	21.28	18.21 (7)
1/20/05		14.20	25.29
7/20/05		17.64	21.85
1/26/06		14.42	25.07
<b>MW-5 ("deep")</b>			
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
7/22/04	39.79	20.90	18.89 (7)
1/20/05		15.89	23.90
7/20/05		17.97	21.82
1/26/06		15.49	24.30

Well Number and Date of Measurement	Reference Elevation (2)	Depth To Water	Relative Ground Water Elevation (2)
<b>MW-6 ("shallow")</b>			
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
7/22/04	39.44	11.13	28.31 (7)
1/20/05		7.65	31.79
7/20/05		10.02	29.42
1/26/06		8.13	31.31
<b>MW-7 ("deep")</b>			
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
7/22/04	39.84	20.17	19.67 (7)
1/20/05		14.44	25.40
7/20/05		17.26	22.58
1/26/06		14.55	25.29

Well Number and Date of Measurement	Reference Elevation (2)	Depth To Water	Relative Ground Water Elevation (2)
<b>MW-8 ("shallow")</b>			
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
7/22/04	39.49	5.42	34.07 (7)
1/20/05		3.39	36.10
7/20/05		5.14	34.35
1/26/06		3.70	35.75
<b>MW-9 ("shallow")</b>			
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
7/22/04	39.71	15.17	24.54 (7)
1/20/05		10.16	29.52
7/20/05		12.12	27.59
1/26/06		10.12	29.59

**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 and June 23, 1997, City of Oakland datum; and by Virgil D. Chavez Land Surveying, California Licensed Land Surveyor, July 22, 2004, NGVD 29 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).
- (7) (Initial elevation to NGVD datum).

**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
7/22/04 (3)	N 60 W	0.22	S 67 E	0.08
1/20/05 (3)	N 45 W	0.17	S 30 E	0.04
7/20/05 (3)	N 70 W	0.14	S 68 E	0.08
1/26/06 (3)	N 52 W	0.14	S 55 E	0.04

**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)
<b>MW-1 ("deep")</b>							
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)
7/22/04	31,000	ND<1000	1,500	1,700	1,200	4,100	780,000 (5) (7)
1/20/05	25,000	ND<270	1,300	1,400	1,000	2,800	72,000 (5) (7)
7/20/05A (11)	22,000	ND<150	1,100	1,600	830	2,600	500,000 (5) (7)
7/20/05B (11)	24,000	ND<1000	830	960	670	2,200	N/A
1/26/06	28,000	ND<500	1,600	1,500	1,200	3,500	64,000 (5) (7)
<b>MW-2 ("deep")</b>							
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)
7/22/04	ND<50	ND<5.0	0.90	ND<0.5	ND<0.5	ND<0.5	ND<5000 (5) (7)
1/20/05	96	ND<5.0	1.3	ND<0.5	1.5	1.0	ND<5000 (5) (7)

Well and Date	TPH Gasoline	MTBE	Benzene	Toluene	Ethyl-Benzene	Xylenes	Oil & Grease HVOC (7)
<b>MW-2 ("deep") continued</b>							
7/20/05	430	ND<5.0	17	1.5	2.3	1.2	ND<5000 (5) (7)
1/26/06	120	ND<5.0	5.3	ND<0.5	0.64	3.3	ND<5000 (5) (7)
<b>MW-3 ("shallow")</b>							
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)
7/22/04	ND<50	ND<5.0	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5000 (5)
1/20/05	440	ND<5.0	0.81	0.67	7.1	2.6	ND<5000 (5)
7/20/05	130	ND<5.0	ND<0.5	1.2	ND<0.5	ND<0.5	ND<5000 (5)
1/26/06	790	ND<5.0	1.0	1.0	12	3.4	ND<5000
<b>MW-4 ("deep")</b>							
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)
7/22/04	910	ND<100	210	7.9	19	6.5	54,000 (5) (7)
1/20/05	1,900	ND<200	550	36	63	43	ND<5000 (5) (7)
7/20/05	1,300	ND<25	310	11	36	12	ND<5000 (5) (7)
1/26/06	1,900	ND<75	500	16	40	12	26,000 (5) (7)
<b>MW-5 ("deep")</b>							
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)

Well and Date	TPH Gasoline	MTBE	Benzene	Toluene	Ethyl-Benzene	Xylenes	Oil & Grease HVOC (7)
<b>MW-5 ("deep") continued</b>							
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)
7/22/04	10,000	ND<250	200	38	510	400	ND<5000 (5)
1/20/05	8,500	ND<250	130	63	430	280	ND<5000 (5) (7)
7/20/05	7,900	74	110	47	350	250	ND<5000 (5) (7)
1/26/06	8,000	ND<350	170	53	410	270	ND<5000 (5)
<b>MW-6 ("shallow")</b>							
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)
7/22/04	1,200	ND<45	110	3.2	36	17	ND<5000 (5) (7)
1/20/05	3,100	ND<25	280	21	180	250	ND<5000 (5) (7)
7/20/05	730	ND<10	66	4.4	25	26	ND<5000 (5) (7)
1/26/06	1,900	ND<60	180	12	120	140	ND<5000 (5) (7)
<b>MW-7 (deep")</b>							
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)
7/22/04	3,600	ND<170	440	10	10	25	ND<5000 (5) (7)
1/20/05	3,200	ND<25	320	31	29	34	19,000 (5) (7)
7/20/05	8,400	ND<500	550	230	300	410	ND<5000 (5) (7)
1/26/06	3,300	ND<300	450	31	45	37	32,000 (5) (7)
<b>MW-8 ("shallow")</b>							
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)

Well and Date	TPH Gasoline	MTBE	Benzene	Toluene	Ethyl-Benzene	Xylenes	Oil & Grease HVOC (7)
<b>MW-8 ("shallow") continued</b>							
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)
7/22/04	ND<50	ND<5	1.2	ND<0.5	ND<0.5	ND<0.5	ND<5000 (5) (7)
1/20/05	ND<50	ND<5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5000 (5) (7)
7/20/05	ND<50	ND<5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5000 (5) (7)
1/26/06	ND<50	ND<5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5000 (5) (7)
<b>MW-9 ("shallow")</b>							
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)
7/22/04	460	ND<25	5.3	1.2	4.0	7.2	ND<5000 (5) (7)
1/20/05a	330	ND<5	6.2	1.5	8.9	12	ND<5000 (5) (7)
1/20/05b (10)	150	ND<5	1.5	0.55	2.6	3.7	N/A
7/20/05	260	ND<5	1.7	2.0	ND<0.5	1.2	ND<5000 (5) (7)
1/26/06	260	ND<5	1.0	2.9	ND<0.5	0.64	ND<5000 (5)
<b>EB-4 ("grab" gw sample)</b>							
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.
- (10) Supplemental sample following initial bailer volume removal.
- (11) Sample discharged from bottom of bailer (A); and top of bailer (B)



Well and Date	CA	1,2 DCB	1,2 DCA	cis 1,2 DCE	trns 1,2 DCE	1,2 DCP	PCE	TCE	VCL
<b>MW-3 ("shallow") continued</b>									
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
7/22/04	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
1/20/05	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
7/20/05	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
1/26/06	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
<b>MW-4 ("deep")</b>									
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
7/22/04 (18)	ND<5.0	23	ND<5.0	120	13	ND<5.0	ND<5.0	9.6	280
1/20/05 (19)	ND<5.0	28	ND<5.0	320	23	ND<5.0	ND<5.0	81	130
7/20/05 (22)	ND<5.0	32	ND<5.0	230	18	ND<5.0	ND<5.0	ND<5.0	170
1/26/06 (23)	ND<5.0	31	ND<5.0	320	22	ND<5.0	ND<5.0	39	330
<b>MW-5 ("deep")</b>									
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
7/22/04	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0
1/20/05	1.1	0.84	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0
7/20/05	ND<1.0	ND<1.0	1.3	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
1/26/06	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
<b>MW-6 ("shallow")</b>									
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



Well and Date	CA	1,2 DCB	1,2 DCA	cis 1,2 DCE	trans 1,2 DCE	1,2 DCP	PCE	TCE	VCL
<b>MW-9 ("shallow") continued</b>									
1/20/05a (19)	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
1/20/05b (20)	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
7/20/05	ND<0.5	<b>0.59</b>	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5
1/26/06	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
<b>EB-4 (grab)</b>									
3/8/96	ND	ND	ND	<b>42</b>	ND	ND	<b>130</b>	<b>340</b>	ND
<b>MCL</b>	NA	<b>600</b>	<b>0.5</b>	<b>6</b>	<b>10</b>	<b>5</b>	<b>7</b>	<b>5</b>	<b>0.5</b>

**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 (perchloroethene)
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

(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

Notes continued following page



**Table 3 notes continued**

- (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
- (18) 7/22/04 additional detections:
  - MW-4: 6.9 ppb 1,3-Dichlorobenzene
  - MW-4: 6.2 ppb 1,4-Dichlorobenzene
- (19) 1/20/05 additional detections:
  - MW-1: 60 ppb Chloromethane
  - MW-4: 5.5 ppb 1,3-Dichlorobenzene
  - MW-4: 7.4 ppb 1,4-Dichlorobenzene
  - MW-9: 0.92 ppb Bromodichloromethane
- (20) Supplemental sample following initial bailer volume removal
- (21) Sample discharged from bottom of bailer (A); and top of bailer (B)
- (22) 7/20/05 additional detections:
  - MW-4: 9.3 ppb 1,3-Dichlorobenzene
  - MW-4: 9.1 ppb 1,4-Dichlorobenzene
- (23) 1/26/06 additional detections:
  - MW-4: 8.2 ppb 1,3-Dichlorobenzene
  - MW-4: 8.5 ppb 1,4-Dichlorobenzene

**TABLE 4**

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

<b>Well and Date</b>	<b>Phenanthrene</b>	<b>Naphthalene</b>
<b>MW-1 ("deep")</b>		
6/23/97	12	2200
10/7/97	ND<100	810
<b>MCL</b>	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
<b>MW-1 ("deep")</b>				
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
7/22/04	N/A	N/A	N/A	N/A
1/20/05	N/A	N/A	N/A	N/A
7/20/05	N/A	N/A	N/A	N/A
1/26/06	N/A	N/A	N/A	N/A
<b>MW-2 ("deep")</b>				
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
7/22/04	N/A	N/A	N/A	N/A
1/20/05	N/A	N/A	N/A	N/A
7/20/05	N/A	N/A	N/A	N/A
1/26/06	N/A	N/A	N/A	N/A
<b>MW-3 ("shallow")</b>				
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

Well and Date	Dissolved Oxygen	Ferrous Iron	Nitrate	Sulfate
<b>MW-3 ("shallow") continued</b>				
7/22/04	N/A	N/A	N/A	N/A
1/20/05	N/A	N/A	N/A	N/A
1/26/06	N/A	N/A	N/A	N/A
7/20/05	N/A	N/A	N/A	N/A
<b>MW-4 ("deep")</b>				
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
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
7/22/04	N/A	N/A	N/A	N/A
1/20/05	N/A	N/A	N/A	N/A
7/20/05	N/A	N/A	N/A	N/A
1/26/06	N/A	N/A	N/A	N/A
<b>MW-5 ("deep")</b>				
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
7/22/04	N/A	N/A	N/A	N/A
1/20/05	N/A	N/A	N/A	N/A
7/20/05	N/A	N/A	N/A	N/A
1/26/06	N/A	N/A	N/A	N/A
<b>MW-6 ("shallow")</b>				
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

Well and Date	Dissolved Oxygen	Ferrous Iron	Nitrate	Sulfate
<b>MW-6 ("shallow") continued</b>				
7/22/04	N/A	N/A	N/A	N/A
1/20/05	N/A	N/A	N/A	N/A
7/20/05	N/A	N/A	N/A	N/A
1/26/06	N/A	N/A	N/A	N/A
<b>MW-7 ("deep")</b>				
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
7/22/04	N/A	N/A	N/A	N/A
1/20/05	N/A	N/A	N/A	N/A
7/20/05	N/A	N/A	N/A	N/A
1/26/06	N/A	N/A	N/A	N/A
<b>MW-8 ("shallow")</b>				
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
7/22/04	N/A	N/A	N/A	N/A
1/20/05	N/A	N/A	N/A	N/A
7/20/05	N/A	N/A	N/A	N/A
1/26/06	N/A	N/A	N/A	N/A
<b>MW-9 ("shallow")</b>				
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
7/22/04	N/A	N/A	N/A	N/A
1/20/05	N/A	N/A	N/A	N/A
7/20/05	N/A	N/A	N/A	N/A
1/26/06	N/A	N/A	N/A	N/A

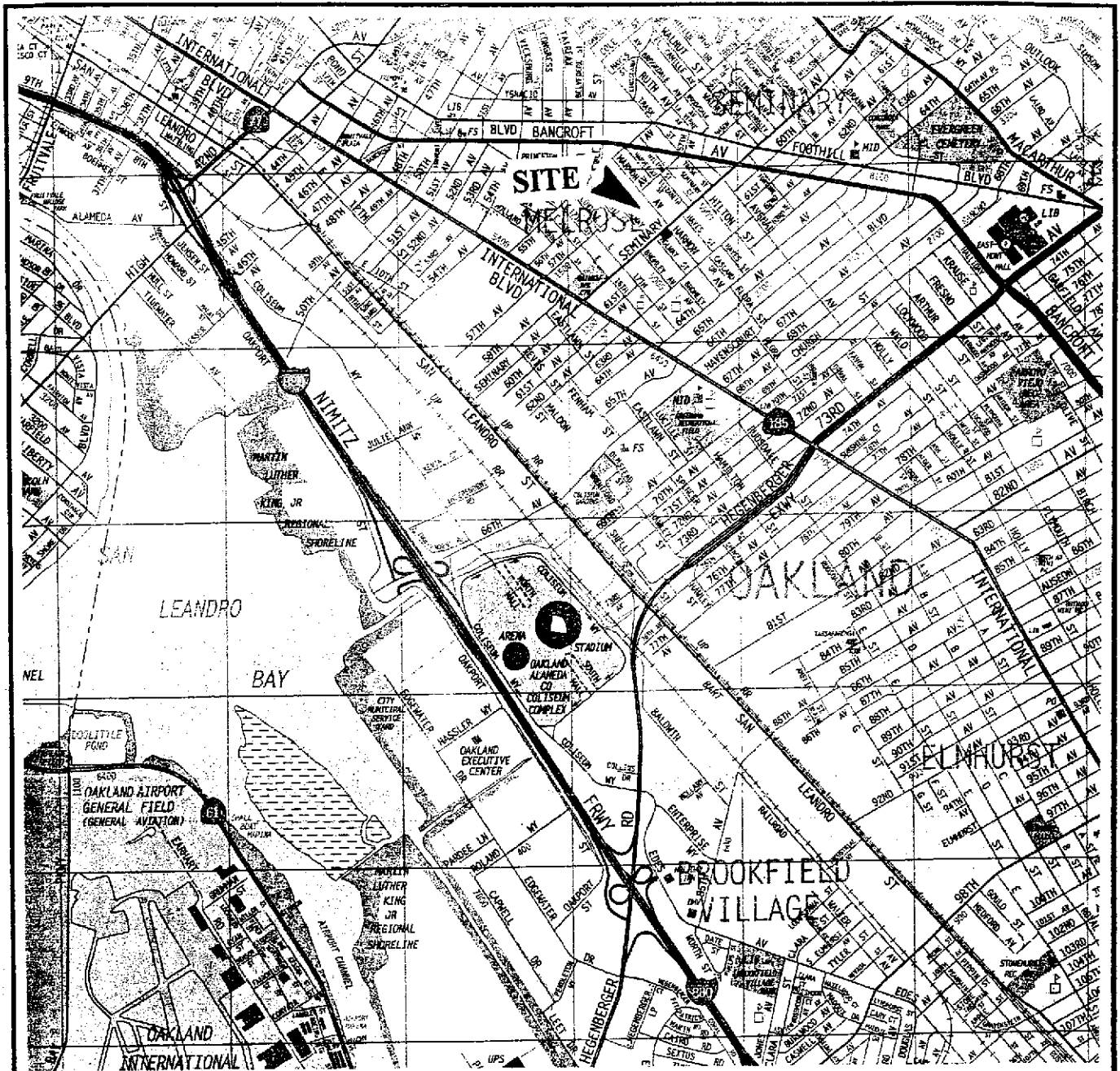
Notes to Table 5 on following page

**TABLE 6**  
**SUMMARY OF ANALYTICAL TEST RESULTS -**  
**FUEL FINGERPRINT WITH SILICA GEL CLEAN UP**

Well and Date	Fuel Fingerprint (2)
<b>MW-1 ("deep")</b>	
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.
<b>MW-2 ("deep")</b>	
2/3/02	ND < 50 ug/L
<b>MW-3 ("shallow")</b>	
2/3/02	ND < 50 ug/L
<b>MW-4 ("deep")</b>	
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.
<b>MW-5 ("deep")</b>	
2/3/02	Significant hydrocarbon pattern between C6 and C12 that resembles fresh gasoline.
<b>MW-6 ("shallow")</b>	
2/3/02	Significant hydrocarbon pattern between C6 and C12 that resembles fresh gasoline.
<b>MW-7 ("deep")</b>	
2/3/02	Significant hydrocarbon pattern between C6 and C12 that resembles fresh gasoline.
<b>MW-8 ("shallow")</b>	
2/3/02	ND < 50 ug/L
<b>MW-9 ("shallow")</b>	
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.

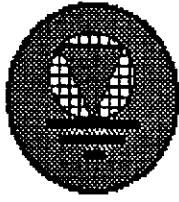


2400 0 2400 4800



Scale in Feet

Source: Thomas Brothers Maps.

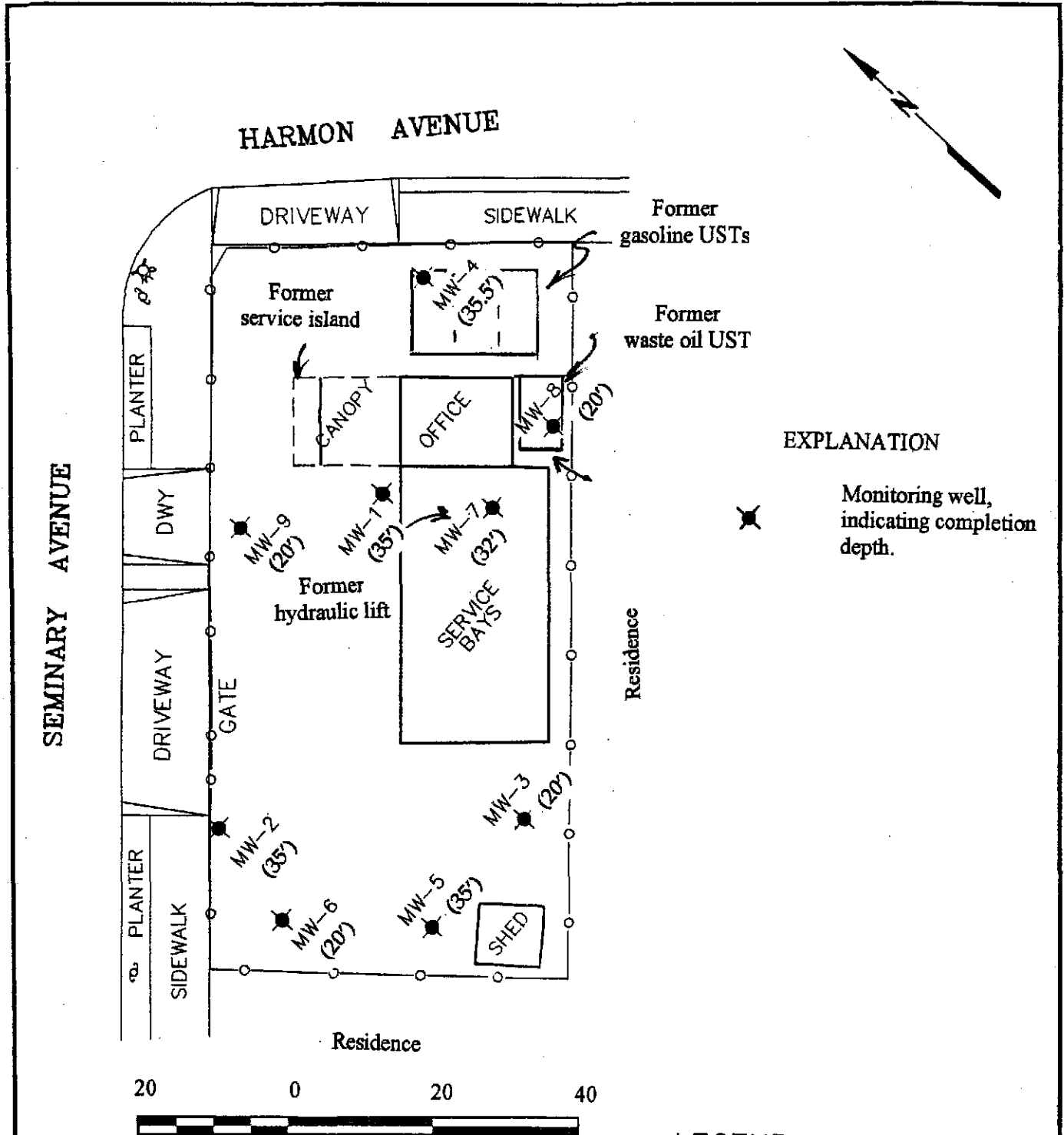


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**Environmental Studies**

**LOCATION MAP**

1970 Seminary Ave.  
 Oakland, California

Project No.	Date	Figure 1
E-10-1F-565F	February 2006	



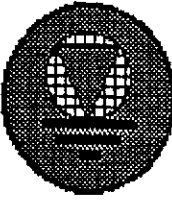
**EXPLANATION**

★ Monitoring well, indicating completion depth.

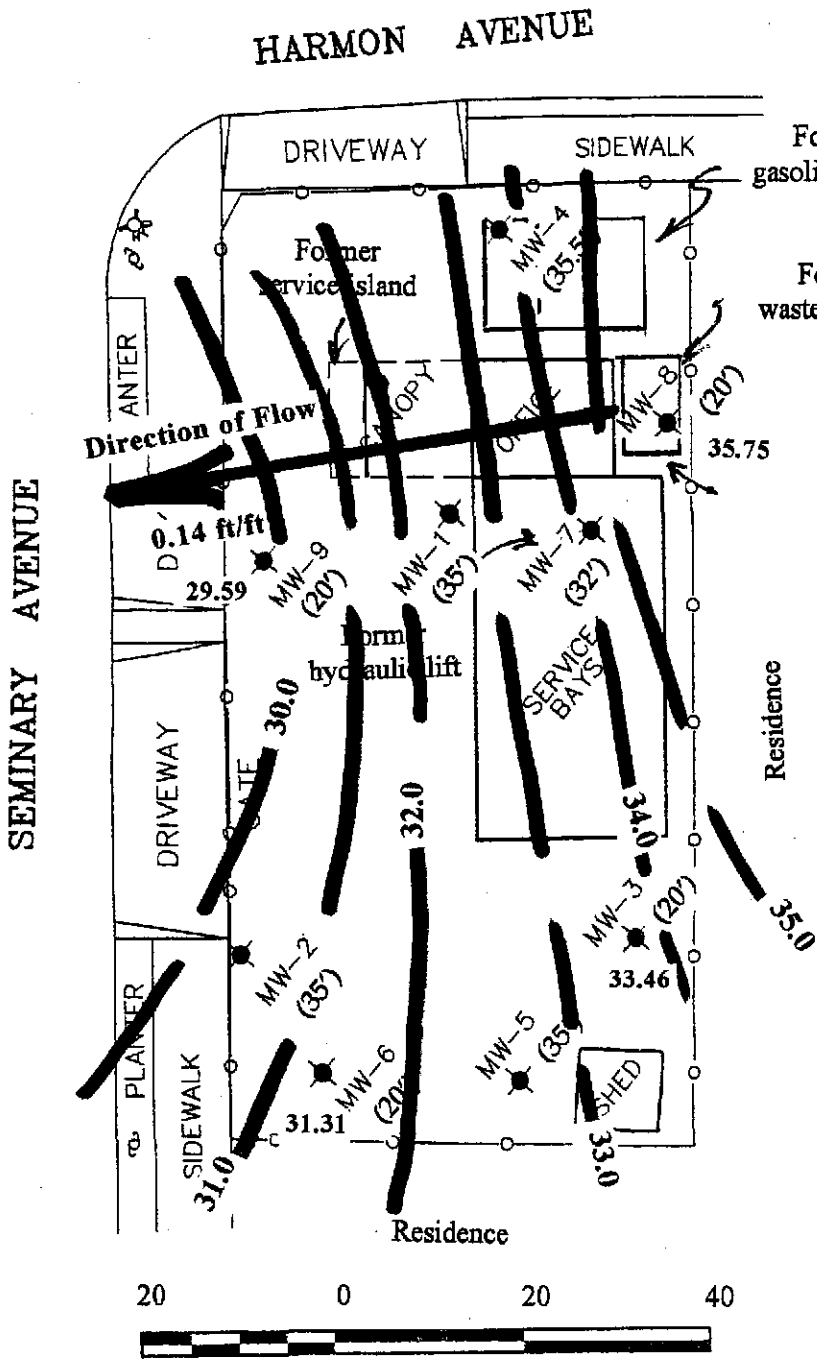
**LEGEND**

- ⊕ - EXISTING JOINT UTILITY POLE
- ★ - EXISTING FIRE HYDRANT



Base: Virgil Chavez Land Surveying, July 2004

 <p><b>HOEXTER CONSULTING</b> Geology Engineering Geology Environmental Studies</p>	<b>SITE PLAN</b>		
	1970 Seminary Ave. Oakland, California		
	<b>Project No.</b>	<b>Date</b>	<b>Figure 2</b>
	E-10-1F-565F	February 2006	





**EXPLANATION**

-  Monitoring well, indicating completion depth.
-  Ground water elevation contour, indicating gradient direction and inclination.

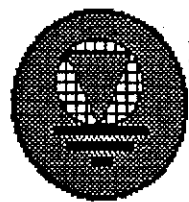
**"SHALLOW WELLS"**

Date of Measurement  
January 26, 2006  
NGVD 29 Datum

**LEGEND**

-  - EXISTING JOINT UTILITY POLE
-  - EXISTING FIRE HYDRANT

Base: Virgil Chavez Land Surveying, July 2004

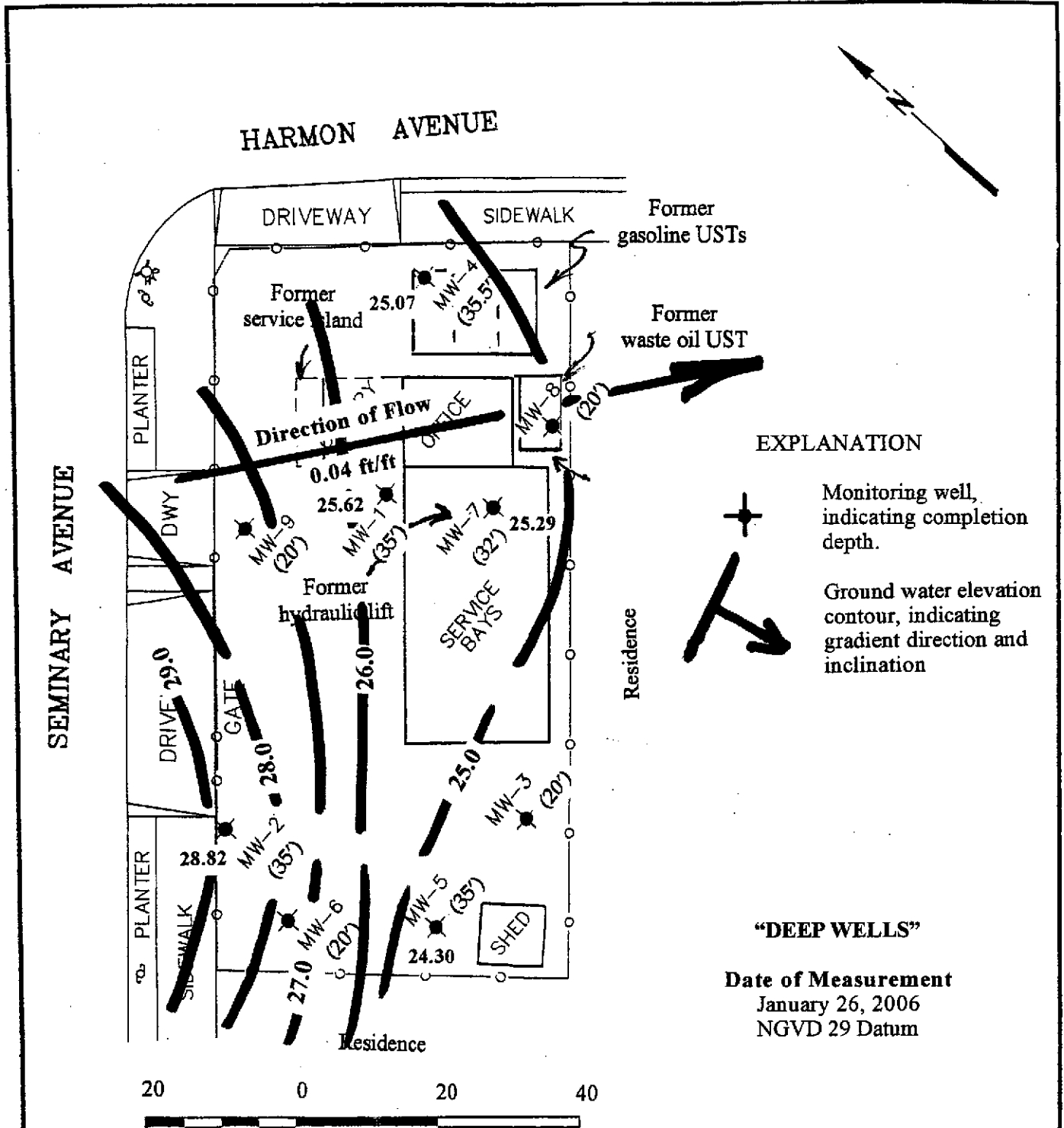


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**GROUND WATER CONTOUR  
AND GRADIENT DIRECTION MAP**

1970 Seminary Ave.  
Oakland, California

Project No.	Date	Figure 3A
E-10-1F-565F	February 2006	



Base: Virgil Chavez Land Surveying, July 2004



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Environmental Studies

**GROUND WATER CONTOUR  
AND GRADIENT DIRECTION MAP**

1970 Seminary Ave.  
Oakland, California

**Project No.**

**Date**

**Figure 3B**

E-10-1F-565F

February 2006

**APPENDIX A**  
**WATER SAMPLE LOGS**  
**CHAIN OF CUSTODY**  
**ANALYTICAL TEST RESULTS**

# HOEXTER CONSULTING INC. Groundwater Sampling Field Log MW-1

Project: Gritmit, 1970 Seminary Ave, Oakland, CA.	Project No.: E-10-1E-391E; E-10-1F-565F
Client: D. Gritmit c/o A. LaMarca	Date: January 26, 2006
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): 13.6
Depth to Water (feet): 14.40	Actual Purged Volume (gal): 7.0
Sample Depth (feet):	Start Time:

### Field Measurements

Time	Cum	Volume (gal.)	pH (units)	E.C. (umhos/cm)	Temperature (Deg. F)	Color (Visual)	Other
1420	3.5	3.5	---	---	---	Clear	Moderate sheen, strong odor
1430	7.0	3.5	---	---	---	Cloudy	
---	---	---	---	---	---	---	
---	---	---	---	---	---	---	

### Purge Method

2" Bladder Pump	<b>Bailer</b>	Well Wizard	<b>Dedicated</b>
Submersible Pump	Centrifugal Pump	Dipper	Other
Pneumatic Displ. Pump			

### Sample Method

2" Bladder Pump	<b>Bailer</b>	Well Wizard	<b>Dedicated</b>
Surface Sampler	Dipper	Fultz Pump	Other

Well Integrity: OK; 1/8" product and strong petroleum odor in initial bailer extraction; strong sheen through second well volume purge.

Remarks: No field measurements due to presence of free product. Two volume purge (DTW = 20.35' following 2 volume purge at ca. 1430); further purge not conducted to facilitate recovery; DTW = 16.11' @ 1554; DFH sampled 3 VOA and 1 amber liter at 1645.

Signature: \_\_\_\_\_

Well Casing I.D. (inches)	Volumes Per Unit Length Selected Well Casing Diameters – Volumes Per Unit Length				Conversion Factors		
	Cubic		L/M		To Convert	Into	Multiply
1.5	0.0918	0.0123	1.140	0.3475	Ft of Water	Lbs/sp inch	0.4335
2.0	<b>0.1632</b>	0.0218	2.027	0.6178	Lbs/Sq inch	Ft of Water	2.3070
3.0	0.3672	0.0491	4.560	1.390	Cubic Feet	Gallons	7.2800
4.0	0.6528	0.0873	8.107	2.4710	Gallons	Liters	3.7850
6.0	1.4690	0.1963	18.240	5.560	Feet	Meters	0.30048
					Inches	Centimeters	2.5400

Sample Location/I.D.: MW- 1

## HOEXTER CONSULTING INC. Groundwater Sampling Field Log MW-2

Project: Gritit, 1970 Seminary Ave, Oakland, CA.	Project No.: E-10-1E-391E; E-10-1F-565F
Client: D. Gritit c/o A. LaMarca	Date: January 26, 2006
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): 16.0
Depth to Water (feet): 10.60	Actual Purged Volume (gal): 9.0
Sample Depth (feet):	Start Time:

### Field Measurements

Time	Cum	Volume (gal.)	pH (units)	E.C. (umhos/cm)	Temperature (Deg. F)	Color (Visual)	Other
1155	4	4	5.93	943	62.1	Clear	No sheen, no odor
1205	8	4	5.92	900	61.3		
---	---	---	---	---	---		
---	---	---	---	---	---		

### Purge Method

2" Bladder Pump	<b>Bailer</b>	Well Wizard	<b>Dedicated</b>
Submersible Pump	Centrifugal Pump	Dipper	Other
Pneumatic Displ. Pump			

### Sample Method

2" Bladder Pump	<b>Bailer</b>	Well Wizard	<b>Dedicated</b>
Surface Sampler	Dipper	Fultz Pump	Other

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

Remarks: Well drawn down to 23.65' following second purge volume at 12:05. Recovered to 21.46' at 15:45. JF sampled 3 VOA and 1 amber liter at 16:40.

Signature: \_\_\_\_\_

Well Casing I.D. (inches)	Volumes Per Unit Length Selected Well Casing Diameters – Volumes Per Unit Length				Conversion Factors		
	Gal/ft	Ft/ft	L/M	L/Ft	To Convert	Into	Multiply
1.5	0.0918	0.0123	1.140	0.3475	Ft of Water	Lbs/sp inch	0.4335
2.0	<b>0.1632</b>	0.0218	2.027	0.6178	Lbs/Sq inch	Ft of Water	2.3070
3.0	0.3672	0.0491	4.560	1.390	Gallons	Liters	3.7850
4.0	0.6528	0.0873	8.107	2.4710	Feet	Meters	0.30048
6.0	1.4690	0.1963	18.240	5.560	Inches	Centimeters	2.5400

Sample Location/I.D.: MW- 2

# HOEXTER CONSULTING INC. Groundwater Sampling Field Log MW-3

Project: Gruit, 1970 Seminary Ave, Oakland, CA.	Project No.: E-10-1E-391E; E-10-1F-565F
Client: D. Gruit c/o A. LaMarca	Date: January 26, 2006
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): 8.8
Depth to Water (feet): 6.49	Actual Purged Volume (gal): 5.25
Sample Depth (feet):	Start Time:

### Field Measurements

Time	Cum	Volume (gal.)	pH (units)	E.C. (umhos/cm)	Temperature (Deg. F)	Color (Visual)	Other
1117	2.25	2.25	5.85	640	58.1	Clear	No product, sheen, odor
1128	4.50	2.25	5.84	631	59.0	Clear	
---	---	---	---	---	---	---	
---	---	---	---	---	---	---	

### 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, no odor

Remarks: Depth to water 14.91' at 1128 following second purge volume. Well recovered to 8.20' at 1541. JF sampled 3 VOA and 1 amber liter at 1605.

Signature: \_\_\_\_\_

Well Casing I.D. (inches)	Volumes Per Unit Length Selected Well Casing Diameters – Volumes Per Unit Length				Conversion Factors		
	Cubic				To Convert	Into	Multiply
1.5	0.0918	0.0123	1.140	0.3475	Ft of Water	Lbs/sp inch	0.4335
2.0	<b>0.1632</b>	0.0218	2.027	0.6178	Cubic Feet	Gallons	7.2800
3.0	0.3672	0.0491	4.560	1.390	Gallons	Liters	3.7850
4.0	0.6528	0.0873	8.107	2.4710	Feet	Meters	0.30048
6.0	1.4690	0.1963	18.240	5.560	Inches	Centimeters	2.5400

Sample Location/I.D.: MW- 3

# HOEXTER CONSULTING INC. Groundwater Sampling Field Log MW-4

Project: Gritit, 1970 Seminary Ave, Oakland, CA.	Project No.: E-10-1E-391E; E-10-1F-565F
Client: D. Gritit c/o A. LaMarca	Date: January 26, 2006
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): 13.6
Depth to Water (feet): 14.42	Actual Purged Volume (gal): 7.0
Sample Depth (feet):	Start Time:

### Field Measurements

Time	Cum	Volume (gal.)	pH (units)	E.C. (umhos/cm)	Temperature (Deg. F)	Color (Visual)	Other
1214	3.5	3.5	5.95	798	61.1	Clear, sheen & odor	
1233	7.0	3.5	5.90	803	61.1	Sl cloudy	
---	---	---	---	---	---	Sl. cloudy	
---	---	---	---	---	---		

### 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, not product, strong sheen, petroleum odor initial purge.

Remarks: Depth to water 24.32 following second well volume purge at 1233. Well recovered to 17.97' at 1556. DFH sampled 3VOA, 1 amber liter at 1623.

Signature: \_\_\_\_\_

Well Casing I.D. (inches)	Volumes Per Unit Length Selected Well Casing Diameters – Volumes Per Unit Length				Conversion Factors		
	Cubic				To Convert	Into	Multiply
1.5	Gal/ft	Ft/ft	L/M	L/Ft	Ft of Water	Lbs/sp inch	0.4335
2.0	0.0918	0.0123	1.140	0.3475	Lbs/Sq inch	Ft of Water	2.3070
3.0	<b>0.1632</b>	0.0218	2.027	0.6178	Cubic Feet	Gallons	7.2800
4.0	0.3672	0.0491	4.560	1.390	Gallons	Liters	3.7850
6.0	0.6328	0.0873	8.107	2.4710	Feet	Meters	0.30048
	1.4690	0.1963	18.240	5.560	Inches	Centimeters	2.5400

Sample Location/I.D.: MW- 4

# HOEXTER CONSULTING INC. Groundwater Sampling Field Log MW-5

Project: Gruit, 1970 Seminary Ave, Oakland, CA.	Project No.: E-10-1E-391E; E-10-1F-565F
Client: D. Gruit c/o A. LaMarca	Date: January 26, 2006
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): 12.8
Depth to Water (feet): 15.49	Actual Purged Volume (gal): 9.75
Sample Depth (feet): _____	Start Time: _____

### Field Measurements

Time	Cum	Volume (gal.)	pH (units)	E.C. (umhos/cm)	Temperature (Deg. F)	Color (Visual)	Other
1115	3.25	3.25	5.88	716	57.3	Tan, cloudy	No sheen or odor; possible slight sheen during third purge volume
1125	6.50	3.25	5.91	787	60.0		
1140	9.75	3.25	6.00	869	59.7		
---	---	---	---	---	---		

### 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; initial bailer clear, no sheen, no odor.

Remarks: Depth to water 23.85' following second purge volume. DTW following third purge volume not recorded. Well recovered to 19.21' at 1544. JF sampled 3 VOA and 1 amber liter @ 1615.

Signature: \_\_\_\_\_

Well Casing I.D. (inches)	Volumes Per Unit Length Selected Well Casing Diameters – Volumes Per Unit Length				Conversion Factors		
	Cubic				To Convert	Into	Multiply
1.5	0.0918	0.0123	1.140	0.3475	Ft of Water	Lbs/sp inch	0.4335
2.0	<b>0.1632</b>	0.0218	2.027	0.6178	Lbs/Sq inch	Ft of Water	2.3070
3.0	0.3672	0.0491	4.560	1.390	Cubic Feet	Gallons	7.2800
4.0	0.6528	0.0873	8.107	2.4710	Gallons	Liters	3.7850
6.0	1.4690	0.1963	18.240	5.560	Feet	Meters	0.30048
					Inches	Centimeters	2.5400

Sample Location/I.D.: MW- 5



# HOEXTER CONSULTING INC. Groundwater Sampling Field Log MW-6

Project: Gruit, 1970 Seminary Ave, Oakland, CA.	Project No.: E-10-1E-391E; E-10-1F-565F
Client: D. Gruit c/o A. LaMarca	Date: January 26, 2006
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): 7.6
Depth to Water (feet): 8.13	Actual Purged Volume (gal): 6.0
Sample Depth (feet):	Start Time:

### Field Measurements

Time	Cum	Volume (gal.)	pH (units)	E.C. (umhos/cm)	Temperature (Deg. F)	Color (Visual)	Other
1345	2	2	5.82	829	60.4	Clear	No prod, sheen or odor
1353	4	2	5.88	854	60.5		
1405	6	2	5.91	859	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, odor or sheen on initial bailing.

Remarks: Depth to water 11.95' at 1505 following third volume purge. Well recovered to 9.11' at 1546. JF sampled 3 VOA and 1 amber liter at 1630.

Signature: \_\_\_\_\_

Well Casing I.D. (inches)	Volumes Per Unit Length Selected Well Casing Diameters - Volumes Per Unit Length				Conversion Factors		
	Cubic				To Convert	Into	Multiply
1.5	Gal/ft	Ft/ft	L/M	L/Ft	Ft of Water	Lbs/sp inch	0.4335
2.0	0.0918	0.0123	1.140	0.3475	Lbs/Sq inch	Ft of Water	2.3070
3.0	<b>0.1632</b>	0.0218	2.027	0.6178	Cubic Feet	Gallons	7.2800
4.0	0.3672	0.0491	4.560	1.390	Gallons	Liters	3.7850
6.0	0.6528	0.0873	8.107	2.4710	Feet	Meters	0.30048
	1.4690	0.1963	18.240	5.560	Inches	Centimeters	2.5400

Sample Location/I.D.: MW- 6

# HOEXTER CONSULTING INC. Groundwater Sampling Field Log MW-7

Project: Gruit, 1970 Seminary Ave, Oakland, CA.	Project No.: E-10-1E-391E; E-10-1F-565F
Client: D. Gruit c/o A. LaMarca	Date: January 26, 2006
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): 11.2
Depth to Water (feet): 14.55	Actual Purged Volume (gal): 8.25
Sample Depth (feet):	Start Time:

### Field Measurements

Time	Cum	Volume (gal.)	pH (u6.21nits)	E.C. (umhos/cm)	Temperature (Deg. F)	Color (Visual)	Other
1241	2.75	2.75	5.82	974	60.0	Clear	Second purge volume slight sheen and odor, with moderate sheen and odor third purge volume
1253	5.5	2.75	5.86	915	60.4	Cloudy	
1310	8.25	2.75	5.94	858	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: Depth to water 21.13 @1253 following second volume purge. DTW following third purge not recorded. Well recovered to 16.97' at 1548. JF sampled 3 VOA and 1 amber liter at 1655.

Signature: \_\_\_\_\_

Well Casing I.D. (inches)	Volumes Per Unit Length Selected Well Casing Diameters – Volumes Per Unit Length				Conversion Factors		
	Cubic				To Convert	Into	Multiply
1.5	Gal/ft	Ft/ft	L/M	L/Ft	Ft of Water	Lbs/sp inch	0.4335
2.0	0.0918	0.0123	1.140	0.3475	Lbs/Sq inch	Ft of Water	2.3070
3.0	<b>0.1632</b>	0.0218	2.027	0.6178	Cubic Feet	Gallons	7.2800
4.0	0.3672	0.0491	4.560	1.390	Gallons	Liters	3.7850
6.0	0.6528	0.0873	8.107	2.4710	Feet	Meters	0.30048
	1.4690	0.1963	18.240	5.560	Inches	Centimeters	2.5400

Sample Location/I.D.: MW- 7

# HOEXTER CONSULTING INC. Groundwater Sampling Field Log MW-8

Project: Gruit, 1970 Seminary Ave, Oakland, CA.	Project No.: E-10-1E-391E; E-10-1F-565F
Client: D. Gruit c/o A. LaMarca	Date: January 26, 2006
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): 10.8
Depth to Water (feet): 3.70	Actual Purged Volume (gal): 11.0
Sample Depth (feet):	Start Time:

### Field Measurements

Time	Cum	Volume (gal.)	pH (units)	E.C. (umhos/cm)	Temperature (Deg. F)	Color (Visual)	Other
1347	2.75	2.75	6.18	174	58.2	Clear	No sheen or odor; <b>possible</b> sheen following fourth purge
1359	5.5	2.75	6.20	188	59.2	Very slightly cloudy; tan	
1414	8.25	2.75	6.09	174	58.1		
1425	11.0	2.75	5.86	172	57.8		

### 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 product or sheen, no odor.

Remarks: DTW 6.17' following fourth purge 14:25. DTW 3.80' @ 15:50. DFH sampled 3 VOA and 1 amber liter at 16:08.

Signature: \_\_\_\_\_

Well Casing I.D. (inches)	Volumes Per Unit Length Selected Well Casing Diameters – Volumes Per Unit Length				Conversion Factors		
	Gal/ft.	Ft/ft	L/M	L/Ft	To Convert	Into	Multiply
1.5	0.0918	0.0123	1.140	0.3475	Ft of Water	Lbs/sp inch	0.4335
2.0	<b>0.1632</b>	0.0218	2.027	0.6178	Lbs/Sq inch	Ft of Water	2.3070
3.0	0.3672	0.0491	4.560	1.390	Cubic Feet	Gallons	7.2800
4.0	0.6528	0.0873	8.107	2.4710	Gallons	Liters	3.7850
6.0	1.4690	0.1963	18.240	5.560	Feet	Meters	0.30048
					Inches	Centimeters	2.5400

Sample Location/I.D.: MW- 8

# HOEXTER CONSULTING INC. Groundwater Sampling Field Log MW-9

Project: Gritmit, 1970 Seminary Ave, Oakland, CA.	Project No.: E-10-1E-391E; E-10-1F-565F
Client: D. Gritmit c/o A. LaMarca	Date: January 26, 2006
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): 6.4
Depth to Water (feet): 10.12	Actual Purged Volume (gal): 3.0
Sample Depth (feet):	Start Time:

### Field Measurements

Time	Cum	Volume (gal.)	pH (units)	E.C. (umhos/cm)	Temperature (Deg. F)	Color (Visual)	Other
1139	1.5	1.5	5.91	803	61.0	Clear	No product, sheen, or odor
1148	3.0	1.5	6.05	840	61.6	Very sl cloudy, light brown	
---	---	---	---	---	---		
---	---	---	---	---	---		

### 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: Depth to water 15.95' at 1148 following cessation of purging (two well volumes); 14.96' at 1547, approx. 4 hours following purge cessation. DFH sampled 3 VOA and 1 amber liter at 1616.

Signature: \_\_\_\_\_

Well Casing I.D. (inches)	Volumes Per Unit Length Selected Well Casing Diameters – Volumes Per Unit Length				Conversion Factors		
	Gal/ft	Ft/ft	L/M	L/Ft	To Convert	Into	Multiply
1.5	0.0918	0.0123	1.140	0.3475	Ft of Water	Lbs/sp inch	0.4335
2.0	<b>0.1632</b>	0.0218	2.027	0.6178	Lbs/Sq inch	Ft of Water	2.3070
3.0	0.3672	0.0491	4.560	1.390	Cubic Feet	Gallons	7.2800
4.0	0.6528	0.0873	8.107	2.4710	Gallons	Liters	3.7850
4.0	0.6528	0.0873	8.107	2.4710	Feet	Meters	0.30048
6.0	1.4690	0.1963	18.240	5.560	Inches	Centimeters	2.5400

**Chain of Custody  
and  
Analytical Test Results**



**McC Campbell Analytical, Inc.**

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Telephone : 925-798-1620 Fax : 925-798-1622  
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-10-1F-565F; Gritmit	Date Sampled: 01/26/06
		Date Received: 01/27/06
	Client Contact: David Hoexter	Date Reported: 02/02/06
	Client P.O.:	Date Completed: 02/02/06

**WorkOrder: 0601411**

February 02, 2006

Dear David:

Enclosed are:

- 1). the results of 9 analyzed samples from your #E-10-1F-565F; Gritmit 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. McC Campbell Analytical Laboratories strives for excellence in quality, service and cost. Thank you for your business and I look forward to working with you again.

Best regards,

Angela Rydelius, Lab Manager





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Hoexter Consulting Eng. Geology 734 Torrey Court Palo Alto, CA 94303-4160	Client Project ID: #E-10-1F-565F; Grimit	Date Sampled: 01/26/06
	Client Contact: David Hoexter	Date Received: 01/27/06
	Client P.O.:	Date Extracted: 01/27/06
		Date Analyzed: 01/30/06

### Petroleum Oil & Grease with Silica Gel Clean-Up\*

Analytical methods: SM5520B/F

Work Order: 0601411

Lab ID	Client ID	Matrix	POG	DF	% SS
0601411-001C	MW-1	W	64,h	1	N/A
0601411-002C	MW-2	W	ND	1	N/A
0601411-003C	MW-3	W	ND	1	N/A
0601411-004C	MW-4	W	26,h	1	N/A
0601411-005C	MW-5	W	ND,h	1	N/A
0601411-006C	MW-6	W	ND,h	1	N/A
0601411-007C	MW-7	W	32,h	1	N/A
0601411-008C	MW-8	W	ND	1	N/A
0601411-009C	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

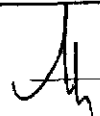
\* water samples and all TCLP & SPLP extracts are reported in mg/L, soil/sludge/solid samples in mg/kg, wipe samples in mg/wipe, product/oil/non-aqueous liquid samples in mg/L.

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 ~1 vol. % sediment; j) results are reported on a dry weight basis.

DHS Certification No. 1644

 Angela Rydelius, Lab Manager





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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-10-1F-565F;  
 Gruit  
 Client Contact: David Hoexter  
 Client P.O.:

Date Sampled: 01/26/06  
 Date Received: 01/27/06  
 Date Extracted: 01/31/06  
 Date Analyzed: 01/31/06

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

Extraction Method: SW5030B

Analytical Method: SW8260B

Work Order: 0601411

Lab ID	0601411-001B	0601411-002B	0601411-003B	0601411-004B	Reporting Limit for DF =1	
Client ID	MW-1	MW-2	MW-3	MW-4	S	W
Matrix	W	W	W	W		
DF	50	1	1	10		
Compound	Concentration				µg/kg	µg/L
Bromodichloromethane	ND<25	ND	ND	ND<5.0	NA	0.5
Bromoform	ND<25	ND	ND	ND<5.0	NA	0.5
Bromomethane	ND<25	ND	ND	ND<5.0	NA	0.5
Carbon Tetrachloride	ND<25	ND	ND	ND<5.0	NA	0.5
Chlorobenzene	ND<25	ND	ND	ND<5.0	NA	0.5
Chloroethane	ND<25	ND	ND	ND<5.0	NA	0.5
2-Chloroethyl Vinyl Ether	ND<50	ND	ND	ND<10	NA	1.0
Chloroform	ND<25	ND	ND	ND<5.0	NA	0.5
Chloromethane	ND<25	ND	ND	ND<5.0	NA	0.5
Dibromochloromethane	ND<25	ND	ND	ND<5.0	NA	0.5
1,2-Dichlorobenzene	ND<25	ND	ND	31	NA	0.5
1,3-Dichlorobenzene	ND<25	ND	ND	8.2	NA	0.5
1,4-Dichlorobenzene	ND<25	ND	ND	8.5	NA	0.5
Dichlorodifluoromethane	ND<25	ND	ND	ND<5.0	NA	0.5
1,1-Dichloroethane	ND<25	ND	ND	ND<5.0	NA	0.5
1,2-Dichloroethane (1,2-DCA)	ND<25	10	ND	ND<5.0	NA	0.5
1,1-Dichloroethene	ND<25	ND	ND	ND<5.0	NA	0.5
cis-1,2-Dichloroethene	ND<25	7.7	ND	320	NA	0.5
trans-1,2-Dichloroethene	ND<25	ND	ND	22	NA	0.5
1,2-Dichloropropane	ND<25	0.69	ND	ND<5.0	NA	0.5
cis-1,3-Dichloropropene	ND<25	ND	ND	ND<5.0	NA	0.5
trans-1,3-Dichloropropene	ND<25	ND	ND	ND<5.0	NA	0.5
Methylene chloride	ND<25	ND	ND	ND<5.0	NA	0.5
1,1,2,2-Tetrachloroethane	ND<25	ND	ND	ND<5.0	NA	0.5
Tetrachloroethene	ND<25	ND	ND	ND<5.0	NA	0.5
1,1,1-Trichloroethane	ND<25	ND	ND	ND<5.0	NA	0.5
1,1,2-Trichloroethane	ND<25	ND	ND	ND<5.0	NA	0.5
Trichloroethene	ND<25	13	ND	39	NA	0.5
Trichlorofluoromethane	ND<25	ND	ND	ND<5.0	NA	0.5
Vinyl Chloride	ND<25	ND	ND	330	NA	0.5

#### Surrogate Recoveries (%)

	101	102	102	101
%SS1:	101	102	102	101
%SS2:	102	99	101	99
%SS3:	93	92	92	93
Comments	j,h			h

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

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 ~1 vol. % sediment; j) sample diluted due to high organic content/matrix interference; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight; m) reporting limit raised due to insufficient sample amount; n) results are reported on a dry weight basis; p) see attached narrative.



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

Hoexter Consulting Eng. Geology  734 Torrey Court  Palo Alto, CA 94303-4160	Client Project ID: #E-10-1F-565F; Grimit	Date Sampled: 01/26/06
	Client Contact: David Hoexter	Date Received: 01/27/06
	Client P.O.:	Date Extracted: 01/31/06
		Date Analyzed: 01/31/06

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

Extraction Method: SW5030B

Analytical Method: SW8260B

Work Order: 0601411

Lab ID	0601411-005B	0601411-006B	0601411-007B	0601411-008B	Reporting Limit for DF=1	
Client ID	MW-5	MW-6	MW-7	MW-8	S	W
Matrix	W	W	W	W		
DF	5	1	10	1		
Compound	Concentration				µg/kg	µg/L
Bromodichloromethane	ND<2.5	ND	ND<5.0	ND	NA	0.5
Bromoform	ND<2.5	ND	ND<5.0	ND	NA	0.5
Bromomethane	ND<2.5	ND	ND<5.0	ND	NA	0.5
Carbon Tetrachloride	ND<2.5	ND	ND<5.0	ND	NA	0.5
Chlorobenzene	ND<2.5	ND	ND<5.0	ND	NA	0.5
Chloroethane	ND<2.5	ND	ND<5.0	ND	NA	0.5
2-Chloroethyl Vinyl Ether	ND<5.0	ND	ND<10	ND	NA	1.0
Chloroform	ND<2.5	ND	ND<5.0	ND	NA	0.5
Chloromethane	ND<2.5	ND	ND<5.0	ND	NA	0.5
Dibromochloromethane	ND<2.5	ND	ND<5.0	ND	NA	0.5
1,2-Dichlorobenzene	ND<2.5	ND	ND<5.0	ND	NA	0.5
1,3-Dichlorobenzene	ND<2.5	ND	ND<5.0	ND	NA	0.5
1,4-Dichlorobenzene	ND<2.5	ND	ND<5.0	ND	NA	0.5
Dichlorodifluoromethane	ND<2.5	ND	ND<5.0	ND	NA	0.5
1,1-Dichloroethane	ND<2.5	ND	ND<5.0	ND	NA	0.5
1,2-Dichloroethane (1,2-DCA)	ND<2.5	0.81	ND<5.0	ND	NA	0.5
1,1-Dichloroethene	ND<2.5	ND	ND<5.0	ND	NA	0.5
cis-1,2-Dichloroethene	ND<2.5	6.2	110	7.3	NA	0.5
trans-1,2-Dichloroethene	ND<2.5	ND	ND<5.0	ND	NA	0.5
1,2-Dichloropropane	ND<2.5	ND	ND<5.0	ND	NA	0.5
cis-1,3-Dichloropropene	ND<2.5	ND	ND<5.0	ND	NA	0.5
trans-1,3-Dichloropropene	ND<2.5	ND	ND<5.0	ND	NA	0.5
Methylene chloride	ND<2.5	ND	ND<5.0	ND	NA	0.5
1,1,2,2-Tetrachloroethane	ND<2.5	ND	ND<5.0	ND	NA	0.5
Tetrachloroethene	ND<2.5	ND	ND<5.0	6.6	NA	0.5
1,1,1-Trichloroethane	ND<2.5	ND	ND<5.0	ND	NA	0.5
1,1,2-Trichloroethane	ND<2.5	ND	ND<5.0	ND	NA	0.5
Trichloroethene	ND<2.5	ND	19	6.2	NA	0.5
Trichlorofluoromethane	ND<2.5	ND	ND<5.0	ND	NA	0.5
Vinyl Chloride	ND<2.5	1.9	37	ND	NA	0.5

### Surrogate Recoveries (%)

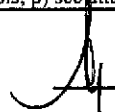
%SS1:	103	101	101	97	
%SS2:	98	98	99	99	
%SS3:	92	92	92	91	
Comments	j,h	h	h		

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

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 ~1 vol. % sediment; j) sample diluted due to high organic content/matrix interference; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight; m) reporting limit raised due to insufficient sample amount; n) results are reported on a dry weight basis; p) see attached narrative.

 Angela Rydelius, Lab Manager



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 Telephone : 925-798-1620 Fax : 925-798-1622  
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Hoexter Consulting Eng. Geology  734 Torrey Court  Palo Alto, CA 94303-4160	Client Project ID: #E-10-1F-565F; Grimit	Date Sampled: 01/26/06
	Client Contact: David Hoexter	Date Received: 01/27/06
	Client P.O.:	Date Extracted: 01/31/06
		Date Analyzed: 01/31/06

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

Extraction Method: SW5030B

Analytical Method: SW8260B

Work Order: 0601411

Lab ID	0601411-009B	Reporting Limit for DF =1	
Client ID	MW-9		
Matrix	W	S	W
DF	1		

Compound	Concentration	µg/kg	µg/L
Bromodichloromethane	ND	NA	0.5
Bromoform	ND	NA	0.5
Bromomethane	ND	NA	0.5
Carbon Tetrachloride	ND	NA	0.5
Chlorobenzene	ND	NA	0.5
Chloroethane	ND	NA	0.5
2-Chloroethyl Vinyl Ether	ND	NA	1.0
Chloroform	ND	NA	0.5
Chloromethane	ND	NA	0.5
Dibromochloromethane	ND	NA	0.5
1,2-Dichlorobenzene	ND	NA	0.5
1,3-Dichlorobenzene	ND	NA	0.5
1,4-Dichlorobenzene	ND	NA	0.5
Dichlorodifluoromethane	ND	NA	0.5
1,1-Dichloroethane	ND	NA	0.5
1,2-Dichloroethane (1,2-DCA)	ND	NA	0.5
1,1-Dichloroethene	ND	NA	0.5
cis-1,2-Dichloroethene	ND	NA	0.5
trans-1,2-Dichloroethene	ND	NA	0.5
1,2-Dichloropropane	ND	NA	0.5
cis-1,3-Dichloropropene	ND	NA	0.5
trans-1,3-Dichloropropene	ND	NA	0.5
Methylene chloride	ND	NA	0.5
1,1,2,2-Tetrachloroethane	ND	NA	0.5
Tetrachloroethene	ND	NA	0.5
1,1,1-Trichloroethane	ND	NA	0.5
1,1,2-Trichloroethane	ND	NA	0.5
Trichloroethene	ND	NA	0.5
Trichlorofluoromethane	ND	NA	0.5
Vinyl Chloride	ND	NA	0.5

#### Surrogate Recoveries (%)

%SS1:	99
%SS2:	102
%SS3:	93

#### Comments

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

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 ~1 vol. % sediment; j) sample diluted due to high organic content/matrix interference; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight; m) reporting limit raised due to insufficient sample amount; n) results are reported on a dry weight basis; p) see attached narrative.



QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Water

QC Matrix: Water

WorkOrder: 0601411

EPA Method: SW8021B/8015Cm		Extraction: SW5030B			BatchID: 20068			Spiked Sample ID: 0601411-008A		
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSD
TPH(btex) <sup>£</sup>	ND	60	111	111	0	113	112	0.674	70 - 130	70 - 130
MTBE	ND	10	98.1	98.4	0.353	97.2	96.9	0.285	70 - 130	70 - 130
Benzene	ND	10	101	101	0	102	97	5.07	70 - 130	70 - 130
Toluene	ND	10	103	102	0.748	104	99.4	4.74	70 - 130	70 - 130
Ethylbenzene	ND	10	104	104	0	105	100	4.69	70 - 130	70 - 130
Xylenes	ND	30	107	107	0	107	103	3.17	70 - 130	70 - 130
%SS:	114	10	99	100	1.25	100	98	1.82	70 - 130	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

BATCH 20068 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0601411-001A	1/26/06 4:45 PM	1/28/06	1/28/06 9:39 AM	0601411-002A	1/26/06 4:40 PM	1/28/06	1/28/06 10:11 AM
0601411-003A	1/26/06 4:05 PM	1/30/06	1/30/06 8:20 PM	0601411-004A	1/26/06 4:23 PM	1/30/06	1/30/06 9:25 PM
0601411-005A	1/26/06 4:15 PM	1/28/06	1/28/06 7:21 AM	0601411-006A	1/26/06 4:30 PM	1/31/06	1/31/06 5:34 AM
0601411-007A	1/26/06 4:55 PM	1/31/06	1/31/06 6:07 AM	0601411-008A	1/26/06 4:08 PM	1/28/06	1/28/06 11:49 AM
0601411-009A	1/26/06 4:16 PM	1/28/06	1/28/06 11:16 AM				

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 / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

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

# cluttered chromatogram; sample peak coelutes with surrogate peak.

/A = not applicable or 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.



QC SUMMARY REPORT FOR SM5520B/F

W.O. Sample Matrix: Water

QC Matrix: Water

WorkOrder: 0601411

EPA Method: SM5520B/F		Extraction: PRHEM-SGT_W			BatchID: 19996			Spiked Sample ID: N/A		
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	mg/L	mg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSD
POG	N/A	100	N/A	N/A	N/A	92	90	2.20	N/A	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

BATCH 19996 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0601411-001C	1/26/06 4:45 PM	1/27/06	1/30/06 3:15 PM	0601411-002C	1/26/06 4:40 PM	1/27/06	1/30/06 3:20 PM
0601411-003C	1/26/06 4:05 PM	1/27/06	1/30/06 3:25 PM	0601411-004C	1/26/06 4:23 PM	1/27/06	1/30/06 3:30 PM
0601411-005C	1/26/06 4:15 PM	1/27/06	1/30/06 3:35 PM	0601411-006C	1/26/06 4:30 PM	1/27/06	1/30/06 3:40 PM
0601411-007C	1/26/06 4:55 PM	1/27/06	1/30/06 3:45 PM				

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 / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the 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.



**McC Campbell 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 SM5520B/F

W.O. Sample Matrix: Water

QC Matrix: Water

WorkOrder: 0601411

EPA Method: SM5520B/F		Extraction: PRHEM-SGT_W			BatchID: 20072			Spiked Sample ID: N/A		
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	mg/L	mg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSD
POG	N/A	100	N/A	N/A	N/A	108	106	1.90	N/A	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

#### BATCH 20072 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0601411-008C	1/26/06 4:08 PM	1/27/06	1/30/06 3:50 PM	0601411-009C	1/26/06 4:16 PM	1/27/06	1/30/06 3:55 PM

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 / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the 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.

DHS Certification No. 1644

*SJT* QA/QC Officer



QC SUMMARY REPORT FOR SW8260B

W.O. Sample Matrix: Water

QC Matrix: Water

WorkOrder: 0601411

EPA Method: SW8260B		Extraction: SW5030B				BatchID: 20066			Spiked Sample ID: 0601406-007B	
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSD
Chlorobenzene	ND	10	98.4	105	6.56	104	105	0.966	70 - 130	70 - 130
1,2-Dichloroethane (1,2-DCA)	ND	10	94.3	101	7.17	96.2	99.7	3.58	70 - 130	70 - 130
1,1-Dichloroethene	ND	10	108	115	6.21	99.4	98.8	0.669	70 - 130	70 - 130
Trichloroethene	ND	10	80.2	83.6	4.10	98	98.8	0.789	70 - 130	70 - 130
%SS1:	100	10	102	100	1.97	97	99	2.31	70 - 130	70 - 130
%SS2:	99	10	102	102	0	101	100	1.21	70 - 130	70 - 130
%SS3:	95	10	104	106	1.79	98	92	5.75	70 - 130	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

BATCH 20066 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0601411-001B	1/26/06 4:45 PM	1/31/06	1/31/06 4:31 PM				

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 / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the 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 freon 113 may occasionally appear in the method blank at low levels.



QC SUMMARY REPORT FOR SW8260B

W.O. Sample Matrix: Water

QC Matrix: Water

WorkOrder: 0601411

EPA Method: SW8260B		Extraction: SW5030B				BatchID: 20071			Spiked Sample ID: 0601417-005B	
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSD
Chlorobenzene	ND	10	111	108	2.89	113	118	3.62	70 - 130	70 - 130
1,2-Dichloroethane (1,2-DCA)	ND	10	105	103	2.48	106	113	5.78	70 - 130	70 - 130
1,1-Dichloroethene	ND	10	119	118	1.10	114	116	1.63	70 - 130	70 - 130
Trichloroethene	ND	10	88.3	85.2	3.60	92.1	97.1	5.31	70 - 130	70 - 130
%SS1:	106	10	101	100	0.752	102	102	0	70 - 130	70 - 130
%SS2:	99	10	102	101	0.437	100	100	0	70 - 130	70 - 130
%SS3:	92	10	103	104	1.25	107	104	2.53	70 - 130	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

BATCH 20071 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0601411-002B	1/26/06 4:40 PM	1/31/06	1/31/06 1:25 AM	0601411-003B	1/26/06 4:05 PM	1/31/06	1/31/06 2:09 AM
0601411-004B	1/26/06 4:23 PM	1/31/06	1/31/06 2:52 AM	0601411-005B	1/26/06 4:15 PM	1/31/06	1/31/06 5:16 PM
0601411-006B	1/26/06 4:30 PM	1/31/06	1/31/06 4:21 AM	0601411-007B	1/26/06 4:55 PM	1/31/06	1/31/06 5:04 AM
0601411-008B	1/26/06 4:08 PM	1/31/06	1/31/06 5:48 AM	0601411-009B	1/26/06 4:16 PM	1/31/06	1/31/06 6:33 AM

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 / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the 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 freon 113 may occasionally appear in the method blank at low levels.



ncep

060141

CHAIN-OF-CUSTODY RECORD

1/2

Project Number			Project Name/Location					Number of Containers	Analytical Tests					Sample Containers Preserved	Remarks
Sampler's Name (Printed)			Soil	Water	Sample Location or Depth	Type of Containers	TPH		G	MTBE	BTEX	HvOC	SM5520		
Boring/Well Number	Date	Time													
MW-1	1/26/06	1645				VOA	3	✓	✓						1
						Amber	1			✓					2
-2		1640				VOA	3	✓	✓						3
						Amber	1			✓					4
-3		1605				VOA	3	✓	✓						5
						Amber	1			✓					6
-4		1623				VOA	3	✓	✓						7
						Amber	1			✓					8
-5		1615				VOA	3	✓	✓						9
						Amber	1			✓					10
-6		1630				VOA	3	✓	✓						11
						Amber	1			✓					12
-7		1655				VOA	3	✓	✓						13
						Amber	1			✓					14
Continued pg 2															15

Relinquished by: (Signature) <i>[Signature]</i>	Date/Time 1/27/06 2:40	Received by: (Signature) <i>[Signature]</i>
Relinquished by: (Signature) <i>[Signature]</i>	Date/Time 1/27/06 4:30	Received by: (Signature) <i>[Signature]</i>
Relinquished by: (Signature)	Date/Time	Received for Laboratory by: (Signature)

Ship To: McCoy Blvd. Pacheco CA

Attention: \_\_\_\_\_

Phone No: \_\_\_\_\_

Requested Turnaround: Normal

Time: \_\_\_\_\_

Remarks: - EDF

Contact: David F. Hoexter

ICE/P	GOOD CONDITION	APPROPRIATE CONTAINERS
HEAD SPACE ABSENT	DECLORINATED IN LAB	PRESERVED IN LAB
PRESERVATION	VOAS	O&G METALS OTHER

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

hoep

0601411

CHAIN-OF-CUSTODY RECORD

2/2

Project Number		Project Name/Location					Number of Containers	Analytical Tests				Sample Containers Preserved	Remarks
E-10-1F-565F		Grimit 1970 Seminary Ave. Oakland CA						3	TDH-9/MTBE/BTEX	800 HVC	5145520B/Foil		
Boring/Well Number	Date	Time	Soil	Water	Sample Location or Depth	Type of Containers							
+ MW 8	1/26/06	1608		↓		VOA	3	✓	✓	✓	✓		1
						Amber	1						2
+ 9	↓	1616		↓		VOA	3	✓	✓	✓	✓		3
						Amber	1						4
													5
													6
													7
													8
													9
													10
													11
													12
													13
													14
													15

Relinquished by: (Signature) <i>D. Hoexter</i>	Date/Time 1/27/06 240	Received by: (Signature) <i>[Signature]</i>
Relinquished by: (Signature) <i>[Signature]</i>	Date/Time 1/26/06 420	Received by: (Signature) <i>[Signature]</i>
Relinquished by: (Signature)	Date/Time	Received for Laboratory by: (Signature)

Ship To: Mc Campbell Anal -  
Pacheco CA

Attention: \_\_\_\_\_

Phone No: \_\_\_\_\_

Requested Turnaround: Normal Contact: David F. Hoexter

Time: \_\_\_\_\_

Remarks: EDF

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

# McCampbell Analytical, Inc.



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

# CHAIN-OF-CUSTODY RECORD

WorkOrder: 0601411

ClientID: HCEP

EDF: YES

**Report to:**

David Hoexter  
 Hoexter Consulting Eng. Geology  
 734 Torrey Court  
 Palo Alto, CA 94303-4160

TEL: (650) 494-2505  
 FAX: (650) 494-2515  
 ProjectNo: #E-10-1F-565F; Gritmit  
 PO:

**Bill to:**

Accounts Payable  
 Hoexter Consulting Eng. Geology  
 734 Torrey Court  
 Palo Alto, CA 94303-4160

Requested TAT:

5 days

Date Received: 01/27/2006

Date Printed: 01/27/2006

Sample ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)												
					1	2	3	4	5	6	7	8	9	10	11	12	
0601411-001	MW-1	Water	1/26/06 4:45:00 PM	<input type="checkbox"/>	C	B	A	A									
0601411-002	MW-2	Water	1/26/06 4:40:00 PM	<input type="checkbox"/>	C	B	A										
0601411-003	MW-3	Water	1/26/06 4:05:00 PM	<input type="checkbox"/>	C	B	A										
0601411-004	MW-4	Water	1/26/06 4:23:00 PM	<input type="checkbox"/>	C	B	A										
0601411-005	MW-5	Water	1/26/06 4:15:00 PM	<input type="checkbox"/>	C	B	A										
0601411-006	MW-6	Water	1/26/06 4:30:00 PM	<input type="checkbox"/>	C	B	A										
0601411-007	MW-7	Water	1/26/06 4:55:00 PM	<input type="checkbox"/>	C	B	A										
0601411-008	MW-8	Water	1/26/06 4:08:00 PM	<input type="checkbox"/>	C	B	A										
0601411-009	MW-9	Water	1/26/06 4:16:00 PM	<input type="checkbox"/>	C	B	A										

**Test Legend:**

1	5520B_SG_W	2	8010BMS_W	3	G-MBTX_W	4	PREDF REPORT	5	
6		7		8		9		10	
11		12							

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.

**APPENDIX B**  
**GEOTRACKER SUBMITTAL DOCUMENTATION**

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**UPLOADING A GEO\_WELL FILE**

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<b>Submittal Title:</b>	GEO_WELL_1Q06
<b>Submittal Date/Time:</b>	2/3/2006 1:16:52 PM
<b>Confirmation Number:</b>	8161346256

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(AUTH\_RP)

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SEMINARY 1/26/06



SURROGATE SPIKES % RECOVERY BETWEEN 85-115% N  
 BLANK SPIKE / BLANK SPIKE DUPLICATES % RECOVERY BETWEEN 70-130% Y

**SOIL SAMPLES FOR 8021/8260 SERIES**

MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) % RECOVERY BETWEEN 65-135% n/a  
 MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) RPD LESS THAN 30% n/a  
 SURROGATE SPIKES % RECOVERY BETWEEN 70-125% n/a  
 BLANK SPIKE / BLANK SPIKE DUPLICATES % RECOVERY BETWEEN 70-130% n/a

**FIELD QC SAMPLES**

<u>SAMPLE</u>	<u>COLLECTED</u>	<u>DETECTIONS &gt; REPD</u>
QCTB SAMPLES	N	0
QCEB SAMPLES	N	0
QCAB SAMPLES	N	0

Logged in as DAVID F. HOEXTER (AUTH\_RP)

CONTACT SITE ADMINISTRATOR

## Electronic Submittal Information

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Your EDF file has been successfully uploaded!

**Confirmation Number:** 3721542000  
**Date/Time of Submittal:** 2/6/2006 4:55:07 PM  
**Facility Global ID:** T0600100667  
**Facility Name:** GRIMIT AUTO REPAIR & SERVICE  
**Submittal Title:** January 2006 GW Analytical Data  
**Submittal Type:** Miscellaneous Sample Results

Click [here](#) to view the detections report for this upload.

<b>GRIMIT AUTO REPAIR &amp; SERVICE</b> 1970 SEMINARY AVE OAKLAND, CA 94621	<b><u>Regional Board - Case #: 01-0723</u></b> SAN FRANCISCO BAY RWQCB (REGION 2) <b><u>Local Agency (lead agency) - Case #: 553</u></b> ALAMEDA COUNTY LOP - (AG)
---	---

<b>CONF #</b>	<b>TITLE</b>	<b>QUARTER</b>
3721542000	January 2006 GW Analytical Data	Q1 2006
<b>SUBMITTED BY</b>	<b>SUBMIT DATE</b>	<b>STATUS</b>
David F. Hoexter	2/6/2006	PENDING REVIEW

**SAMPLE DETECTIONS REPORT**

# FIELD POINTS SAMPLED	9
# FIELD POINTS WITH DETECTIONS	9
# FIELD POINTS WITH WATER SAMPLE DETECTIONS ABOVE MCL	8
SAMPLE MATRIX TYPES	WATER

**METHOD QA/QC REPORT**

METHODS USED	A5520B, SW8021F, SW8260B
TESTED FOR REQUIRED ANALYTES?	Y
LAB NOTE DATA QUALIFIERS	N

**QA/QC FOR 8021/8260 SERIES SAMPLES**

TECHNICAL HOLDING TIME VIOLATIONS	0
METHOD HOLDING TIME VIOLATIONS	0
LAB BLANK DETECTIONS ABOVE REPORTING DETECTION LIMIT	0
LAB BLANK DETECTIONS	0
DO ALL BATCHES WITH THE 8021/8260 SERIES INCLUDE THE FOLLOWING?	
- LAB METHOD BLANK	Y
- MATRIX SPIKE	Y
- MATRIX SPIKE DUPLICATE	Y
- BLANK SPIKE	Y
- SURROGATE SPIKE - NON-STANDARD SURROGATE USED	Y

**WATER SAMPLES FOR 8021/8260 SERIES**

MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) % RECOVERY BETWEEN 65-135%	Y
MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) RPD LESS THAN 30%	Y
SURROGATE SPIKES % RECOVERY BETWEEN 85-115%	N
BLANK SPIKE / BLANK SPIKE DUPLICATES % RECOVERY BETWEEN 70-130%	Y

**SOIL SAMPLES FOR 8021/8260 SERIES**

MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) % RECOVERY BETWEEN 65-135%	n/a
MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) RPD LESS THAN 30%	n/a



SURROGATE SPIKES % RECOVERY BETWEEN 70-125% n/a  
BLANK SPIKE / BLANK SPIKE DUPLICATES % RECOVERY BETWEEN 70-130% n/a

**FIELD QC SAMPLES**

<u>SAMPLE</u>	<u>COLLECTED</u>	<u>DETECTIONS &gt; REPD</u>
QCTB SAMPLES	N	0
QCEB SAMPLES	N	0
QCAB SAMPLES	N	0

Logged in as DAVID F. HOEXTER (AUTH\_RP)

CONTACT SITE ADMINISTRATOR.