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**JANUARY/FEBRUARY 2008
GROUND WATER SAMPLING REPORT
FOR
STID 553 - GRIMIT AUTO AND REPAIR
1970 SEMINARY AVENUE
OAKLAND, CALIFORNIA**

E-10-1F-565F

March 13, 2008

Prepared by

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Geology / Engineering Geology / Environmental Studies

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March 13, 2008

E-10-1F-565F
HCQuartEnvrRpts:Sem.1970/28(1/08)

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

**RE: JANUARY/FEBRUARY 2008
GROUND WATER SAMPLING REPORT
STID 553 - GRIMIT AUTO AND REPAIR
1970 SEMINARY AVENUE
OAKLAND, CALIFORNIA**

Dear Ms La Marca:

Enclosed is our January-February 2008 ground water sampling report for the property located at 1970 Seminary Avenue, southwest corner of Harmon Avenue, in Oakland, California. Ground water 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. We recommend you contact the Alameda County Health Care Services Agency and/or Regional Water Quality Control Board for an evaluation of site status.

Water production from all wells, excepting well MW-8, has declined. You have approved the re-development of all wells excepting MW-8, to increase water flow to the wells. This will provide more representative water samples for future analysis. Well re-development will be conducted prior to the next well sampling event. In addition, the State GeoTracker analytical data upload confirmation indicates that fuel oxygenates/additives should be tested for, in addition to the current analytical suite. We will include additional analyses for these compounds starting with the next scheduled sampling event.

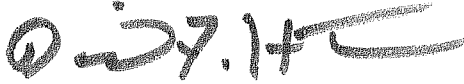
We recommend that a copy of the enclosed report be submitted to the Alameda County Health Care Services Agency. We understand you will make this submittal. Hoexter Consulting will upload a PDF of the report to the State GeoTracker system.

The next round of sampling is currently scheduled to be conducted during July 2008. 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. Hoexter", with a stylized flourish at the end.

David F. Hoexter, PG/CEG/REA (Geology registrations expire 11/30/09)
Principal Geologist

Copies: Addressee (1)

JANUARY/FEBRUARY 2008
GROUND WATER SAMPLING REPORT

For

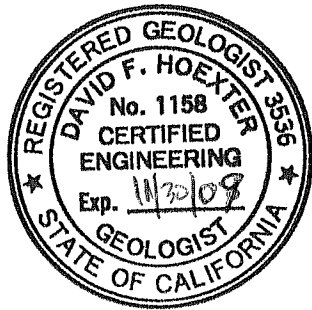
STID 553 - Gritmit Auto and Repair
1970 Seminary Avenue
Oakland, California

To

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

E-10-1F-565F

March 13, 2008



David F. Hoexter

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

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Letter of Transmittal

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**JANUARY/FEBRUARY 2008
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 (conducted February) 2008 ground water sampling at 1970 Seminary Avenue, Oakland, California. The project location is shown on Figure 1 (Location Map). 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

Water levels were measured and the wells sampled by Jack Forsythe, Staff Geologist and David Hoexter, Principal Geologist. Due to past, very slow equilibration of ground water levels, the well caps were loosened on February 13, 2008, 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. Water levels in all wells were measured February 15, 2008. The wells were purged and sampled on the same day.

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

Ground water recharge to most wells was slow, resulting in dewatering of the wells prior to or at completion of the fourth well volume withdrawal. Thus, several wells were purged of less than four volumes (all wells were purged of a minimum of three volumes). In addition, well recovery was slow. Wells were sampled after allowing for as much recovery as possible (some were sampled the following day), 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 a surveyed point on the top of the 2-inch PVC casing for reference. The cap on one well, MW-5, had been inadvertently left on when the wells were opened two days prior; it was allowed to equilibrate as long as feasible on the sampling day, but it did not fully equilibrate prior to being purged.

The ground water elevations all nine wells rose in comparison to the previous (July 2007) elevations. Ground water elevations rose an average of 4.21 feet in the "deeper" wells and 3.00 feet in the "shallow" wells.

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 effectively unchanged from and are within the range of previous sampling events. 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 0.06 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 63° 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 Pittsburg, 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 of approximately 1/4 inch. Wells MW- 4, 5, and 7 exhibited visual sheen following the second purge volume. A sheen is common for well MW-4, and occasionally observed in other wells. 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. A minimum of three well volumes was removed from each of the wells. In most cases, the wells with significant

drawdown 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 TPH-G, BTEX compounds, and TRPH, as well as HVOCs, are present at elevated levels which are generally on the same order of magnitude as the most recent (July 2007) analyses.

TPH-G and BTEX levels remained effectively unchanged from the previous sampling event, variably decreasing and increasing in comparison with the previous, July 2007 sampling event. 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, were 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 primarily detected in one well, MW-1.

Various HVOCs were detected in seven of the nine wells. Detected HVOC concentrations generally increased. The two wells with non-detections were MW-3 and -9.

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. We recommend you contact the Alameda County Health Care Services Agency and/or Regional Water Quality Control Board for an evaluation of site status.

Water production from all wells, excepting well MW-8, has declined. Re-developing will increase water flow to the well. This will provide more representative ground water samples for future analysis. We recommend re-developing all wells while the relative ground water levels are elevated.

The State GeoTracker analytical data upload confirmation indicates that fuel oxygenates/additives should be tested for, in addition to the current analytical suite. We recommend inclusion of additional analyses for these compounds starting with the next scheduled sampling event.

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.

* * * * *

ENCLOSURES

TABLES

TABLE 1A
GROUND WATER ELEVATION DATA
 (All Measurements in Feet)

Well Number and Date of Measurement	Reference Elevation (2)	Depth To Water	Relative Ground Water Elevation (2)
MW-1 ("deep")			
8/6/90	37.00	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
7/27/06		17.66	22.36
1/24/07		17.43	22.59
7/18/07		19.31	20.71
2/15/08		14.80	25.22

Well Number and Date of Measurement	Reference Elevation (2)	Depth To Water	Relative Ground Water Elevation (2)
MW-2 ("deep") cont'			
2/11/94	36.40	14.16 (3)	22.24 (3)
2/28/94		16.01 (4)	20.39 (4)
9/9/94		18.96	17.44
12/28/94		21.42	14.98
4/13/95		19.69	16.71
11/1/95		21.91	14.49
3/8/96		14.56 (6)	21.84 (6)
3/25-26/96	36.39	10.84	25.55
10/7/96		18.41	17.98
1/15/97		10.07	26.32
6/23/97	36.40	13.73	22.67
10/6/97		17.03	19.37
12/12/98		11.39	25.01
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
7/27/06		13.02	26.40
1/24/07		15.76	23.66
7/18/07		13.91	25.51
2/15/08		10.94	28.48
MW-3 ("shallow")			
2/11/94	36.94	6.97 (3)	29.97 (3)
2/28/94		7.74 (4)	29.20 (4)
9/9/94		9.68	27.26
12/28/94		8.15	28.79
4/13/95		8.05	28.89
11/1/95		7.82	29.12
3/8/96		5.69	31.25

Well Number and Date of Measurement	Reference Elevation (2)	Depth To Water	Relative Ground Water Elevation (2)
MW-3 ("shallow") cont'			
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
7/27/06		8.80	31.15
1/24/07		8.75	31.20
7/18/07		11.29	28.66
2/15/08		6.79	33.16
MW-4 ("deep")			
3/25-26/96	36.46	14.14	22.32
10/7/96		22.31	14.15
1/15/97		13.78	22.68
6/23/97	36.47	20.90	15.57
10/6/97		22.77	13.60
12/12/98		17.16	19.31
4/24/99		14.55	21.92
12/18/99		20.46	16.01
7/22/00		20.67	15.80
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

Well Number and Date of Measurement	Reference Elevation (2)	Depth To Water	Relative Ground Water Elevation (2)
MW-4 ("deep") cont'			
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
7/27/06		18.51	20.98
1/24/07		18.43	21.06
7/18/07		20.59	18.90
2/15/08		15.11	24.38
MW-5 ("deep")			
10/7/96		22.86	13.91
1/15/97		17.33	19.44
6/23/97	36.77	21.91	14.86
10/6/97		24.26	12.51
12/12/98		20.66	16.11
4/24/99		17.19	19.58
12/18/99		22.71	14.06
7/22/00		21.42	15.35
1/29/01		20.79	15.98
7/28/01		21.07	15.70
2/3/02		17.67	19.10
7/23/02		20.16	16.61
1/20/03		17.21	19.56
7/30/03		20.32	16.45
1/27/04		18.34	18.43
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
7/27/06		18.50	21.29
1/24/07		18.76	21.03
7/18/07		20.12	19.67
2/15/08		16.35 (9)	23.44
MW-6 ("shallow")			
3/25-26/96	36.42	8.52	27.90
10/7/96		12.82	23.60
1/15/97		7.72	28.70
6/23/97	36.42	11.42	25.00
10/6/97		12.67	23.75
12/12/98		9.15	27.27

Well Number and Date of Measurement	Reference Elevation (2)	Depth To Water	Relative Ground Water Elevation (2)
MW-6 ("shallow") cont'			
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
7/27/06		10.59	28.85
1/24/07		10.09	29.35
7/18/07		11.06	28.38
2/15/08		8.17	31.27
MW-7 ("deep")			
6/23/97	36.83	19.93	16.90
10/6/97		21.43	15.40
12/12/98		16.56	20.27
4/24/99		14.48	22.35
12/18/99		19.40	17.43
7/22/00		19.85	16.98
1/29/01		17.59	19.24
7/28/01		20.05	16.78
2/3/02		15.89	20.94
7/23/02		19.57	17.26
1/20/03		15.36	21.47
7/30/03		19.21	17.62
1/27/04		16.84	19.99
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
7/27/06		18.13	21.71
1/24/07		18.03	21.81
7/18/07		19.76	20.08
2/15/08		15.44	24.40

Well Number and Date of Measurement	Reference Elevation (2)	Depth To Water	Relative Ground Water Elevation (2)
MW-8 ("shallow")			
6/23/97	36.55	5.74	30.81
10/6/97		5.69	30.86
12/12/98		4.01	32.54
4/24/99		4.40	32.15
12/18/99		4.91	31.64
7/22/00		5.47	31.08
1/29/01		3.01	33.54
7/28/01		4.92	31.63
2/3/02		3.82	32.73
7/23/02		5.11	31.44
1/20/03		3.57	32.98
7/30/03		5.23	31.32
1/27/04		4.26	32.29
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
7/27/06		5.63	33.86
1/24/07		4.87	34.62
7/18/07		5.41	34.08
2/15/08		3.77	35.72
MW-9 ("shallow")			
6/23/97	36.70	17.04	19.66
10/6/97		19.17	20.53
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
7/27/06		12.52	27.19

Well Number and Date of Measurement	Reference Elevation (2)	Depth To Water	Relative Ground Water Elevation (2)
MW-9 ("shallow") cont'			
1/24/07		12.63	27.08 (8)
7/18/07		13.77	25.94 (8)
2/15/08		10.78	28.93

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).
- (8) Corrected elevation.
- (9) Well possibly not equilibrated.

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
7/27/06 (3)	N 68 W	0.15	S 72 E	0.09
7/27/06 (3)	N 68 W	0.15	S 72 E	0.09
1/24/07 (3)	N 57 W	0.19	S 65 E	0.08
7/18/07 (3)	N 52 W	0.26	S 57 E	0.11
2/15/08 (3)	N 63 W	0.14	S 55 E	0.06

Notes to Table 1B

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

TABLE 2

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

Well and Date	TPH Gasoline	MTBE	Benzene	Toluene	Ethyl-Benzene	Xylenes	Oil & Grease HVOC (7)
MW-1 ("deep")							
8/6/90 (2)	54,000	NA	3,500	3,200	1,900	9,400	7,600
1/28/92	2,000,000	NA	7,400	17,000	28,000	120,000	7,500 (5)
4/27/92 (3)	500,000	NA	3,400	6,400	10,000	45,000	440,000 (6)
4/27/92 (4)	175,000	NA	4,200	4,400	3,200	14,600	N/A
8/10/92	170,000	NA	4,200	4,200	3,300	15,900	120,000 (6)
2/11/94	1,800,000	NA	ND	5,100	5,200	23,900	16,000 (6)
9/9/94	23,000,000	NA	56,000	61,000	9,100	137,000	880,000 (6)
12/28/94	55,000	NA	3,700	5,300	1,400	5,800	83,000 (6)
4/13/95	45,000	NA	2,800	3,400	1,200	5,100	50,000 (5)
11/1/95	44,000	NA	2,600	3,400	1,400	5,900	52,000 (5)
3/25/96	45,000	NA	3,000	4,100	1,600	6,800	46,000 (5) (7)
10/8/96	55,000	490	3,300	4,500	1,700	7,100	11,000 (5) (7)
1/16/97	48,000	310	2,600	3,200	1,300	5,300	110,000 (5) (7)
6/23/97	40,000	ND<100	2,300	3,500	1,500	6,300	190,000 (5) (7)
10/7/97	45,000	ND<680	2,500	3,600	1,700	6,800	150,000 (5) (7)
12/12/98	39,000	ND<1,500	3,000	100	1,400	5,800	67,000 (5) (7)
4/24/99	33,000	ND<200	2,300	3,300	1,100	4,100	140,000 (5) (7)
4/24/99 (8)	41,000	1,100	2,500	3,700	1,500	5,700	N/A
12/18/99	43,000	ND<200	2,600	3,800	1,400	5,800	110,000 (5) (7)
7/22/00	37,000	ND<200	2,200	2,600	1,300	5,200	320,000 (5) (7)
1/29/01	36,000	ND<200	2,100	2,300	1,200	4,500	76,000 (5) (7)
7/28/01	99,000	ND<250	1,500	2,300	1,700	6,600	86,000 (5) (7)
2/3/02	42,000	ND<500	1,200	1,300	1,100	3,900	42,000 (5) (7)
7/23/02	53,000	ND<1000	1,700	2,800	1,500	5,100	170,000 (5) (7)
1/20/03	33,000	ND<2000	2,100	2,500	1,300	4,400	65,000 (5) (7)
7/30/03	24,000	ND<500	1,300	1,500	760	2,700	55,000 (5)
1/27/04	21,000	ND<250	1,600	1,500	1,100	3,200	220,000 (5)
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)
7/27/06 (A) (12)	25,000	ND<250	810	1,000	1,100	3,200	N/A
7/27/06 (C) (12)	15,000	ND<400	880	1,200	950	2,800	2,500,000 (5) (7)
1/25/07	32,000	ND<700	990	960	1100	3,500	170,000 (5)
7/19/07	32,000	ND<1200	600	740	950	2,500	1,100,000 (5)
2/15/08	28,000	ND<900	930	780	940	2,500	3,500,000 (5) (7)
MW-2 ("deep")							
2/11/94	130	NA	22	1.1	5.2	7.3	ND (6)
9/9/94	1,000	NA	89	ND	ND	6.9	ND (6)
12/28/94	330	NA	100	3.8	5.4	4.7	5100 (6)
4/13/95	1,300	NA	280	6.9	33	23	ND (5)
11/1/95	100	NA	9.9	ND	ND	ND	ND (5)
3/25/96	4,500	NA	470	57	220	280	ND (5) (7)
10/8/96	710	41	1.9	0.54	1.0	1.0	ND (5) (7)
1/16/97	330	12	41	2.4	1.3	9.9	ND (5) (7)
6/23/97	280	10	12	0.69	ND	13	NA (7)
10/7/97	320	ND<35	4.5	ND	ND	ND	NA (7)

Well and Date	TPH Gasoline	MTBE	Benzene	Toluene	Ethyl-Benzene	Xylenes	Oil & Grease HVOC (7)
MW-2 ("deep") continued							
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	10	ND<0.5	3.2	10	ND<5000 (5) (7)
7/22/04	ND<50	ND<5	0.90	ND<0.5	ND<0.5	ND<0.5	ND<5000 (5) (7)
1/20/05	96	ND<5	1.3	ND<0.5	1.5	1.0	ND<5000 (5) (7)
7/20/05	430	ND<5	17	1.5	2.3	1.2	ND<5000 (5) (7)
1/26/06	120	ND<5	5.3	ND<0.5	0.64	3.3	ND<5000 (5) (7)
7/27/06	89	ND<5	3.1	ND<0.5	1.9	3.1	ND<5000 (5) (7)
1/25/07	ND<50	ND<5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5000 (5) (7)
7/19/07	100	ND<5	1.1	ND<0.5	ND<0.5	ND<0.5	ND<5000 (5) (7)
2/15/08	460	ND<15	25	0.75	3.7	3.2	ND<5000 (5) (7)
MW-3 ("shallow")							
2/11/94	ND	NA	ND	ND	ND	ND	ND (6)
9/9/94	710	NA	10	ND	ND	3.5	ND (6)
12/28/94	2,300	NA	7.8	ND	130	73	ND (6)
4/13/95	1,700	NA	2.9	ND	61	24	ND (5)
11/1/95	1,100	NA	4.4	ND	27	22	ND (5)
3/25/96	2,300	NA	4.0	0.96	120	65	ND (5) (7)
10/8/96	160	ND	ND	0.5	1.2	0.77	ND (5) (7)
1/16/97	1,800	7.1	2.8	0.68	48	66	ND<5000 (5) (7)
6/23/97	ND	ND	ND	ND	ND	ND	NA (7)
10/7/97	ND	ND	ND	ND	ND	ND	NA (7)
12/12/98	1,900	ND	1.8	0.78	78	42	ND (5) (7)
4/24/99	2,100	ND	1.5	0.85	79	43	ND<5000 (5) (7)
12/18/99	330	ND	0.51	ND	ND	ND	ND<5000 (5) (7)
7/22/00	230	ND	0.89	2.4	ND	ND	ND<5000 (5) (7)
1/29/01	450	ND<5	1.1	1.6	11	3.6	ND<5000 (5)
7/28/01	ND<50	ND<5	ND<0.5	ND	ND	ND	ND<5000 (5)
2/3/02	98	ND<5	ND<0.5	ND	ND	ND	ND<5000 (5)
7/23/02	ND<50	ND<5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5000 (5)
1/20/03	700	ND<5	1.6	0.56	41	21	ND<5000 (5)
7/30/03	ND<50	ND<5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5000 (5)
1/27/04	85	ND<5	ND<0.5	ND<0.5	ND<0.5	0.87	ND<5000 (5)
7/22/04	ND<50	ND<5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5000 (5)
1/20/05	440	ND<5	0.81	0.67	7.1	2.6	ND<5000 (5)
7/20/05	130	ND<5	ND<0.5	1.2	ND<0.5	ND<0.5	ND<5000 (5)
1/26/06	790	ND<5	1.0	1.0	12	3.4	ND<5000 (5)
7/27/06	ND<50	ND<5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5000 (5)
1/25/07	ND<50	ND<5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5000 (5)
7/19/07	ND<50	ND<5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5000 (5)
2/15/08	74	ND<5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5000 (5)
MW-4 ("deep")							
3/26/96	9,900	NA	4,000	40	71	100	ND (5) (7)
10/8/96	7,800	140	3,900	33	31	40	ND (5) (7)
1/16/97	4,800	84	1,900	21	2.5	27	5,200 (5) (7)
6/23/97	6,200	160	2,800	20	20	23	ND (5) (7)
10/7/97	4,400	85	1,800	14	18	14	ND (5) (7)

Well and Date	TPH Gasoline	MTBE	Benzene	Toluene	Ethyl-Benzene	Xylenes	Oil & Grease HVOC (7)
MW-4 ("deep") continued							
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)
7/27/06	980	ND<20	340	13	18	8.8	85,000 (5) (7)
1/25/07	910	ND<120	230	5	15	4	7,100 (5) (7)
7/19/07	960	ND<100	150	3.9	9.9	3.4	ND<5000 (5) (7)
2/15/08	1,500	ND<150	310	12	18	11	12,000 (5) (7)
MW-5 ("deep")							
3/26/96	1,200	NA	43	8.2	83	95	ND (5) (7)
10/8/96	6,700	190	260	92	410	370	ND (5) (7)
1/16/97	3,000	90	150	68	190	180	ND (5) (7)
6/23/97	12,000	150	410	170	920	800	NA (7)
10/7/97	10,000	ND<480	310	62	530	500	NA (7)
12/12/98	11,000	ND<660	400	120	740	480	ND (5) (7)
4/24/99	9,300	ND<100	390	290	820	770	ND<5000 (5) (7)
12/18/99	7,000	ND<100	250	52	500	300	ND<5000 (5) (7)
7/22/00	14,000	ND<100	290	140	770	630	12,000 (5) (7)
1/29/01	8,200	ND<5	180	42	420	250	11,000 (5) (7)
7/28/01	9,100	ND<70	190	67	540	430	ND<5000 (5) (7)
2/3/02	11,000	ND<100	250	160	730	540	ND<5000 (5)
7/23/02	6,400	ND<110	160	67	540	390	ND<5000 (5)
1/20/03	7,300	ND<170	190	80	480	310	ND<5000 (5) (7)
7/30/03	8,700	ND<300	170	35	470	300	ND<5000 (5) (7)
1/27/04	7,600	ND<400	220	50	460	290	ND<5000 (5)
7/22/04	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)
7/27/06	5,300	ND<150	110	35	380	250	ND<5000 (5)
1/25/07	1,300	ND<30	17	6.1	34	46	ND<5,000 (5) (7)
7/19/07	10,000	ND<210	99	15	250	200	ND<5,000 (5) (7)
2/15/08	9,900	ND<200	120	26	290	200	ND<5,000 (5) (7)
MW-6 ("shallow")							
3/26/96	9,900	NA	1,000	150	470	720	ND (5) (7)
10/8/96	1,300	57	120	2.3	1.4	4.0	ND (5) (7)
1/15/97	6,500	220	570	65	170	630	ND (5) (7)
6/23/97	3,100	100	410	16	110	140	NA (7)
10/7/97	960	ND<74	78	3.4	1.8	5.8	NA (7)
12/12/98	2,500	ND<160	230	10	92	110	ND (5) (7)
4/24/99	2,900	ND<10	430	33	160	200	ND<5000 (5) (7)
12/18/99	2,300	ND<200	170	6.6	56	63	ND<5000 (5) (7)
7/22/00	2,200	ND<10	290	9.6	80	43	ND<5000 (5) (7)

Well and Date	TPH Gasoline	MTBE	Benzene	Toluene	Ethyl-Benzene	Xylenes	Oil & Grease HVOC (7)
MW-6 ("shallow") continued							
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)
7/27/06	670	ND<9	120	5	17	15	ND<5000 (5) (7)
1/25/07	650	ND<15	99	2.7	20	16	ND<5000 (5) (7)
7/19/07	4,200	ND<50	360	18	47	55	ND<5000 (5) (7)
2/15/08	2,100	ND<60	200	10	100	97	ND<5000 (5) (7)
MW-7 ("deep")							
6/23/97	8,700	ND<20	950	260	520	380	ND (5) (7)
10/7/97	7,500	ND<310	1,100	86	280	150	ND (5) (7)
12/12/98	5,000	ND<190	640	43	200	55	ND (5) (7)
4/24/99	5,500	ND<10	640	180	290	210	ND<5000 (5) (7)
12/18/99	5,500	ND<10	570	27	91	31	ND<5000 (5) (7)
7/22/00	7,400	ND<80	620	180	240	180	10,000 (5) (7)
1/29/01	4,000	ND<10	410	21	22	21	7,000 (5) (7)
7/28/01	4,200	ND<70	540	120	110	110	ND<5000 (5) (7)
2/3/02	6,300	ND<25	560	110	190	140	ND<5000 (5) (7)
7/23/02	3,400	ND<50	440	6.3	87	61	ND<5000 (5) (7)
1/20/03	4,500	ND<170	380	32	30	36	ND<5000 (5) (7)
7/30/03	5,300	ND<400	460	34	43	52	ND<5000 (5) (7)
1/27/04	3,000	ND<90	350	15	13	18	ND<5000 (5) (7)
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)
7/27/06	3,800	ND<240	530	85	38	94	ND<5,000 (5) (7)
1/25/07	2,500	ND<60	320	6.9	3.3	10	ND<5,000 (5) (7)
7/19/07	2,700	ND<90	280	10.0	5.9	18	ND<5,000 (5) (7)
2/15/08	2,900	ND<120	230	15	12	18	27,000 (5) (7)
MW-8 ("shallow")							
6/23/97	610	5.9	25	1.4	4.3	2.4	ND (5) (7)
10/7/97	120	ND	6.9	ND	ND	ND	ND (5) (7)
12/12/98	ND	ND	ND	ND	ND	ND	ND (5) (7)
4/24/99	ND	ND	ND	ND	ND	ND	ND<5000 (5) (7)
12/18/99	ND	ND	ND	ND	ND	ND	ND<5000 (5) (7)
7/22/00	ND	ND	ND	ND	ND	ND	ND<5000 (5) (7)
1/29/01	ND	ND<5	0.87	ND	ND	ND	ND<5000 (5) (7)
7/28/01	ND	ND<5	ND	ND	ND	ND	ND<5000 (5) (7)
2/3/02	ND	16	ND	ND	ND	ND	ND<5000 (5) (7)
7/23/02	ND<50	ND<5	0.87	ND<0.5	ND<0.5	ND<0.5	ND<5000 (5) (7)
1/20/03	ND<50	ND<5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5000 (5) (7)
7/30/03	ND<50	ND<5	2.0	ND<0.5	ND<0.5	ND<0.5	ND<5000 (5) (7)
1/27/04	ND<50	ND<5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5000 (5) (7)
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)

Well and Date	TPH Gasoline	MTBE	Benzene	Toluene	Ethyl-Benzene	Xylenes	Oil & Grease HVOC (7)
MW-8 ("shallow") continued							
1/26/06	ND<50	ND<5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5000 (5) (7)
7/27/06	ND<50	ND<5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5000 (5) (7)
1/25/07	ND<50	ND<5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5000 (5) (7)
7/19/07	ND<50	ND<5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5000 (5) (7)
2/15/08	ND<50	ND<5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5000 (5) (7)
MW-9 ("shallow")							
6/23/97	32,000	250	340	280	1,500	4,300	ND (5) (7)
10/7/97	33,000	ND<690	880	350	1900	4,700	ND (5) (7)
12/12/98	3,400	ND<78	160	14	220	210	ND (5) (7)
4/24/99	3,100	22	130	18	220	190	ND (5) (7)
12/18/99	7,500	100	220	44	440	650	ND<5000 (5) (7)
7/22/00	4,900	ND<10	93	15	240	250	71,000 (5) (7)
1/29/01	3,800	ND<10	160	35	260	310	5,000
7/28/01	5,700	ND<20	43	27	210	420	ND<5000 (5) (7)
2/3/02	7,800	ND<50	98	51	450	640	ND<5000 (5) (7)
7/23/02	2,300	ND<50	29	14	120	96	ND<5000 (5) (7)
1/20/03	5,000	ND<80	76	25	350	340	ND<5000 (5)
7/30/03	570	ND<5	7.2	1.2	14	4.8	ND<5000 (5) (7)
1/27/04	820	ND<20	14	2.6	35	35	ND<5000 (5) (7)
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)
7/27/06	410	ND<5	1.1	1.4	0.52	ND<0.5	ND<5000 (5)
1/25/07	440	ND<5	1.4	1.5	2.9	7.5	ND<5000 (5)
7/19/07	300	ND<20	1.4	2.4	0.51	ND<0.5	ND<5000 (5)
2/15/08	490	ND<5	2.8	5.2	7.1	22	ND<5000 (5)
EB-4 ("grab" gw sample)							
3/8/96	15,000	NA	780	840	1,300	590	7,500 (5) (7)
MCL	NA	13/5 (9)	1	150	700	1,750	NA

Notes to Table 2

- (1) ND - non-detect; N/A - not applicable
- (2) Kaldveer Associates report, September, 1990
- (3) Sequoia Analytical Laboratory
- (4) Applied Remediation Laboratory
- (5) Gravimetric Method
- (6) Infrared Method
- (7) **HVOC detected:** see Table 3
- (8) Free-phase product observed in bailer (additional sample)
- (9) Primary and secondary MCL, respectively.
- (10) Supplemental sample following initial bailer volume removal.
- (11) Sample discharged from bottom of bailer (A); and top of bailer (B)
- (12) Sample discharged from top of bailer (A); and bottom of bailer (C)

TABLE 3

**SUMMARY OF ANALYTICAL TEST RESULTS -
HALOGENATED VOLATILE ORGANIC COMPOUNDS (HVOC)**

(Results reported in parts per billion, ppb/ug/l) (1) (2)

Well and Date	CA	1,2 DCB	1,2 DCA	cis 1,2 DCE	trns 1,2 DCE	1,2 DCP	PCE	TCE	VCL
MW-1 ("deep")									
3/25/96	ND<5	7.2	5.3	82	ND<5	ND<5	ND<5	7.8	25
10/8/96	ND<20	ND<20	ND<20	45	ND<20	ND<20	ND<20	ND<20	26
1/16/97	NA	NA	NA	NA	NA	NA	NA	NA	NA
6/23/97	ND<2	10	4.1	130	3.7	ND<2	5.0	23	54
10/7/97	3.5	7.4	2.2	82	3.8	ND<2	ND<3	9.5	68
12/12/98	ND<2.5	7.4	ND<2.5	26	ND<2.5	ND<2.5	ND<2.7	ND<2.5	7.3
4/24/99 (8)	2.1	9.9	3.5	61	2.8	2.0	ND<4.2	ND<1.5	22
12/18/99 (9)	3.3	8.0	1.2	12	2.8	1.2	ND<0.5	ND<0.5	7.2
7/22/00 (10)	ND<2.5	16.0	ND<2.5	15	ND<2.5	ND<2.5	ND<5.0	ND<2.5	8.2
1/29/01 (11)	ND<10.0	23.0	ND<10	23	ND<10.0	ND<10.0	ND<10.0	ND<10.0	ND<10.0
7/28/01 (12)	7.4	9.0	0.97	14	6.4	0.95	ND<0.5	ND<0.5	15
2/3/02 (13)	5.5	10.0	1.4	23	5.5	0.59	ND<0.5	ND<0.5	7.4
7/23/02 (14)	ND<10.0	2.5	ND<10.0	15	ND<10.0	ND<10.0	ND<10.0	ND<10.0	ND<10.0
1/20/03	ND<10.0	11	ND<10.0	36	ND<10.0	ND<10.0	ND<10.0	ND<10.0	11
7/30/03	ND<20.0	ND<20.0	ND<20.0	ND<20.0	ND<20.0	ND<20.0	ND<20.0	ND<20.0	ND<20.0
1/27/04	ND<50.0	ND<50.0	ND<50.0	ND<50.0	ND<50.0	ND<50.0	ND<50.0	ND<50.0	ND<50.0
7/22/04	ND<50.0	ND<50.0	ND<50.0	ND<50.0	ND<50.0	ND<50.0	ND<50.0	ND<50.0	ND<50.0
1/20/05 (19)	81	ND<5.0	ND<5.0	27	ND<5.0	ND<5.0	ND<5.0	ND<5.0	32
7/20/05A (21)	ND<5.0	9.8	ND<5.0	14	ND<5.0	ND<5.0	ND<5.0	ND<5.0	15
7/20/05B (21)	17	ND<10.0	ND<10.0	12	ND<10.0	ND<10.0	ND<10.0	ND<10.0	21
1/26/06	ND<25	ND<25	ND<25	ND<25	ND<25	ND<25	ND<25	ND<25	ND<25
7/27/06A (24)	26	ND<10	ND<10	12	ND<10	ND<10	ND<10	ND<10	20
7/27/06C (24)	ND<10	ND<10	ND<10	10	ND<10	ND<10	ND<10	ND<10	42
1/25/07	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10
7/19/07	ND<500	ND<500	ND<500	ND<500	ND<500	ND<500	ND<500	ND<500	ND<500
2/15/08	ND<5	ND<5	ND<5	14	ND<5	ND<5	ND<5	ND<5	16
MW-2 ("deep")									
3/25/96	ND<0.5	ND<0.5	8.7	11	ND<0.5	1.0	ND<0.5	3.2	0.92
10/8/96	ND<0.5	ND<0.5	15	9.6	ND<0.5	1.1	ND<0.5	6.6	ND<0.5
1/16/97	NA	NA	NA	NA	NA	NA	NA	NA	NA
6/23/97	ND<0.5	ND<0.5	9.7	8.0	ND<0.5	0.86	ND<0.5	9.6	ND<0.5
10/7/97	ND<0.5	ND<0.5	18	11	ND<0.5	1.2	ND<0.5	15	ND<0.5
12/12/98	ND<0.5	ND<0.5	16	9.4	ND<0.5	1.1	ND<1	7.5	ND<0.5
4/24/99	ND<0.5	ND<0.5	13	7.8	ND<0.5	0.92	ND<0.5	8.4	ND<0.5
12/18/99	ND<0.5	ND<0.5	15	9.0	ND<0.5	1.5	ND<0.5	ND<0.5	ND<0.5
7/22/00	ND<0.5	ND<0.5	17	10	ND<0.5	1.2	ND<1.0	12.0	ND<0.5
1/29/01	ND<0.5	ND<0.5	12	9.1	ND<0.5	0.9	ND<5.0	12.0	ND<0.5
7/28/01	ND<0.5	ND<0.5	9.7	7.8	ND<0.5	0.95	ND<5.0	12.0	ND<0.5
2/3/02	ND<0.5	ND<0.5	7.1	6.7	ND<0.5	0.72	ND<0.5	9.0	ND<0.5
7/23/02	ND<0.5	ND<0.5	1.7	2.1	ND<0.5	ND<0.5	ND<0.5	0.97	ND<0.5
1/20/03	ND<0.5	ND<0.5	1.6	2.0	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5
7/30/03	ND<0.5	ND<0.5	1.7	1.4	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5
1/27/04	ND<0.5	ND<0.5	14	8.9	ND<0.5	ND<0.5	ND<0.5	9.4	ND<0.5
7/22/04	ND<0.5	ND<0.5	6.6	6.5	ND<0.5	ND<0.5	ND<0.5	8.0	ND<0.5
1/20/05	ND<0.5	ND<0.5	8.7	7.8	ND<0.5	0.69	ND<0.5	12.0	ND<0.5
7/20/05	ND<0.5	ND<0.5	2.0	2.1	ND<0.5	ND<0.5	ND<0.5	1.2	ND<0.5
1/26/06	ND<0.5	ND<0.5	10	7.7	ND<0.5	0.69	ND<0.5	13.0	ND<0.5
7/27/06	ND<0.5	ND<0.5	13	10	ND<0.5	0.88	ND<0.5	13.0	ND<0.5

Well and Date	CA	1,2 DCB	1,2 DCA	cis 1,2 DCE	trns 1,2 DCE	1,2 DCP	PCE	TCE	VCL
MW-2 ("deep") continued									
1/25/07	ND<0.5	ND<0.5	5.5	9.1	ND<0.5	0.64	ND<0.5	16.0	ND<0.5
7/19/07	ND<0.5	ND<0.5	5.3	4.6	ND<0.5	ND<0.5	ND<0.5	7.5	ND<0.5
2/15/08	ND<0.5	ND<0.5	ND<0.5	2.0	ND<0.5	ND<0.5	ND<0.5	2.1	ND<0.5
MW-3 ("shallow")									
3/25/96	ND<0.5	ND<0.5	0.56	1.2	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5
10/8/96	ND<0.5	ND<0.5	1.1	0.87	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5
1/16/97	NA	NA	NA	NA	NA	NA	NA	NA	NA
6/23/97	ND<0.5	ND<0.5	0.54	0.76	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5
10/7/97	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5
12/12/98	ND<0.5	ND<0.5	0.51	0.82	ND<0.5	ND<0.5	ND<1	ND<0.5	ND<0.5
4/24/99	ND<0.5	ND<0.5	ND<0.5	0.65	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5
12/18/99	ND<0.5	ND<0.5	0.72	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5
7/22/00	ND<0.5	ND<0.5	0.52	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<0.5	ND<0.5
1/29/01	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	ND<0.5	ND<0.5
7/28/01	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5
2/3/02	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5
7/23/02	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5
1/20/03	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5
7/30/03	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5
1/27/04	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5
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
7/27/06 (25)	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
1/25/07	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
7/19/07	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5
2/15/08	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
MW-4 ("deep")									
3/26/96	ND<8	22	ND<8	300	9.2	ND<8	38	150	44
10/8/96	ND<15	22	4.9	320	ND<15	ND<15	52	130	60
1/16/97	NA	NA	NA	NA	NA	NA	NA	NA	NA
6/23/97 (5)	3.6	21	5.3	340	10	ND<3	11	110	83
10/7/97	ND<8	20	ND<8	380	9.9	ND<8	ND<12	56	56
12/12/98 (7)	ND<3.5	18	ND<3.5	150	12	ND<8	ND<4.5	12	57
4/24/99	ND<8.5	20	ND<8.5	390	12	ND<8.5	33	240	43
12/18/99	ND<10.0	27	ND<10.0	390	13	ND<10.0	ND<10.0	39	ND<10.0
7/22/00	ND<10.0	38	ND<10.0	620	ND<10.0	ND<10.0	ND<10.0	19	97
1/29/01	ND<5.0	35	ND<5.0	380	15	ND<5.0	ND<5.0	19	97
7/28/01	ND<7.5	29	ND<5.0	310	18	ND<5.0	ND<5.0	8.4	150
2/3/02 (13)	ND<7.0	22	ND<7.0	310	16	ND<7.0	ND<7.0	20	120
7/23/02	ND<0.5	30	ND<0.5	240	17	ND<0.5	ND<0.5	ND<0.5	230
1/20/03	ND<10.0	28	ND<10.0	200	16	ND<10.0	ND<10.0	69	84
7/30/03	ND<10.0	32	ND<10.0	230	13	ND<10.0	ND<10.0	13	290
1/27/04 (17)	ND<5.0	41	ND<5.0	370	25	ND<5.0	ND<5.0	32	310
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
7/27/06 (25)	ND<5.0	24	ND<5.0	180	24	ND<5.0	ND<5.0	19	390
1/25/07	ND<5.0	25	ND<5.0	170	15	ND<5.0	ND<5.0	ND<10	380
7/19/07 (27)	ND<5.0	28	ND<5.0	180	27	ND<5.0	ND<5.0	21	460
2/15/08 (28)	ND<5.0	31	ND<5.0	200	25	ND<5.0	ND<5.0	22	130

Well and Date	CA	1,2 DCB	1,2 DCA	cis 1,2 DCE	trns 1,2 DCE	1,2 DCP	PCE	TCE	VCL
MW-5 ("deep")									
3/26/96	1.4	ND<0.5	2.1	6.2	ND<0.5	ND<0.5	ND<0.5	ND<0.5	10
10/8/96	ND<2.5	ND<2.5	4.9	4.4	ND<2.5	ND<2.5	ND<2.5	ND<2.5	9.4
1/16/97	NA	NA	NA	NA	NA	NA	NA	NA	NA
6/23/97 (5)	2.0	2.1	2.0	7.2	0.71	ND<0.5	ND<0.5	ND<0.5	13
10/7/97	1.9	1.4	2.8	3.4	ND<0.5	ND<0.5	ND<0.5	ND<0.5	10
12/12/98	1.4	2.0	1.1	3.7	ND<1	ND<1	ND<1.5	ND<1	5.8
4/24/99	ND<1	1.9	1.9	4.8	ND<1	ND<1	ND<1	ND<1	6.3
12/18/99	1.6	1.7	1.8	1.9	ND<0.5	ND<0.5	ND<0.5	ND<0.5	2.9
7/22/00	1.8	2.4	1.4	2.6	ND<1.0	ND<1.0	ND<1.0	ND<1.0	5.0
1/29/01	ND<1.0	2.2	2.6	2.2	ND<1.0	ND<1.0	ND<1.0	ND<1.0	2.2
7/28/01	1.4	1.3	1.7	1.4	ND<1.0	ND<1.0	ND<1.0	ND<1.0	2.6
2/3/02 (13)	1.8	2.0	2.1	3.9	0.95	ND<0.5	ND<0.5	ND<0.5	4.6
7/23/02	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5
1/20/03	ND<1.0	1.4	1.4	1.6	ND<1.0	ND<1.0	ND<1.0	ND<1.0	1.3
7/30/03	ND<1.0	1.2	1.1	1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	2.0
1/27/04	ND<1.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0
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
7/27/06	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
1/25/07 (26)	ND<0.5	ND<0.5	1.0	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5
7/19/07	ND<0.5	0.51	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5
2/15/08	ND<0.5	ND<0.5	ND<0.5	0.9	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5
MW-6 ("shallow")									
3/26/96	ND<0.5	ND<0.5	3.9	15	ND<0.5	1.9	0.77	2	ND<0.5
10/8/96	ND<0.5	ND<0.5	2.3	9.9	ND<0.5	ND<0.5	ND<0.5	0.57	ND<0.5
1/16/97	NA	NA	NA	NA	NA	NA	NA	NA	NA
6/23/97	ND<0.5	ND<0.5	1.6	10	ND<0.5	ND<0.5	ND<0.5	0.63	0.50
10/7/97	ND<0.5	ND<0.5	3.4	7.9	ND<0.5	ND<0.5	ND<0.5	0.82	ND<0.5
12/12/98 (7)	ND<0.5	ND<0.5	1.5	8.4	ND<0.5	ND<0.5	ND<1	ND<0.5	ND<0.5
4/24/99	ND<0.5	ND<0.5	2.3	17	ND<0.5	0.89	ND<1	0.73	0.59
12/18/99	ND<0.5	ND<0.5	2.2	8.3	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.62
7/22/00	ND<0.5	ND<0.5	1.2	9.3	ND<0.5	ND<0.5	ND<1.0	ND<0.5	0.97
1/29/01	ND<0.5	ND<0.5	1.1	11	ND<0.5	ND<0.5	ND<5.0	ND<0.5	0.77
7/28/01	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
2/3/02	ND<0.5	ND<0.5	1.5	13	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5
7/23/02	ND<1.0	ND<1.0	ND<1.0	9.3	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
1/20/03	ND<1.0	ND<1.0	1.8	14	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
7/30/03	ND<1.0	ND<0.5	1.3	7.6	ND<0.5	ND<0.5	ND<0.5	ND<0.5	2.7
1/27/04 (17)	ND<2.5	ND<2.5	ND<2.5	8.4	ND<2.5	ND<2.5	ND<2.5	ND<2.5	3.2
7/22/04	ND<0.5	ND<0.5	1.3	3.3	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5
1/20/05	ND<0.5	ND<0.5	0.99	8.7	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5
7/20/05	ND<0.5	ND<0.5	0.79	4.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.65
1/26/06	ND<0.5	ND<0.5	0.81	6.2	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.90
7/27/06	ND<0.5	ND<0.5	0.82	4.4	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.10
1/25/07	ND<0.5	ND<0.5	ND<0.5	2.4	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.30
7/19/07	ND<0.5	ND<0.5	0.73	2.2	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.30
2/15/08	ND<0.5	ND<0.5	ND<0.5	4.9	ND<0.5	ND<0.5	ND<0.5	ND<0.5	0.79
MW-7 ("deep")									
6/23/97	0.93	1.6	ND<0.5	2.4	1.2	ND<0.5	9.8	17	1.5
10/7/97	ND<2	ND<2	ND<2	8.5	2.4	ND<2	38	110	ND<2
12/12/98	ND<2	2.2	ND<2	97	ND<2	ND<2	ND<3.5	ND<2	ND<2
4/24/99	ND<2	2.4	ND<2	31	ND<2	ND<2	9.3	82	ND<2
12/18/99 (9)	ND<3	5.7	ND<3	120	ND<3	ND<3	ND<3	12	ND<3

Well and Date	CA	1,2 DCB	1,2 DCA	cis 1,2 DCE	trns 1,2 DCE	1,2 DCP	PCE	TCE	VCL
MW-9 ("shallow") continued									
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	0.59	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
7/27/06	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
1/25/07	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
7/19/07 (27)	ND<0.5	0.68	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<0.5
2/15/08	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
EB-4 (grab)									
3/8/96	ND	ND	ND	42	ND	ND	130	340	ND
MCL	NA	600	0.5	6	10	5	7	5	0.5

Notes to Table 3

(1) ND = non-detect; reporting limit 0.5 ug/l (ppb) unless otherwise stated

(2) N/A = not applicable

(3) Composite

(4) Abbreviations as follows:

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

(5) 6/23/97 additional detections:

MW-4: 4.8 ppb 1,4-Dichlorobenzene

MW-5: 0.53 ppb 1,4-Dichlorobenzene

MW-9: 2.1 ppb chloroform (tetrachloromethane)

(6) 10/7/97 additional detections:

MW-9: 0.65 chloroform (tetrachloromethane)

(7) 12/12/98 additional detections:

MW-4: 6.2 ppb 1,3-Dichlorobenzene

MW-4: 4.8 ppb 1,4-Dichlorobenzene

MW-6: 8.9 ppb 1,1,1-Trichloroethane

(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

Notes continued following page

Table 3 notes continued

- (13) 2/3/02 additional detections:
 - MW-1: 0.73 ppb 2-Chloroethyl Vinyl Ether
 - MW-1: 1.8 ppb 1,3 Dichlorobenzene
 - MW-1: 3.8 ppb 1,4 Dichlorobenzene
 - MW-4: 9.8 ppb 1,4 Dichlorobenzene
 - MW-5: 0.59 ppb 1,4 Dichlorobenzene
- (14) 7/23/02 additional detections:
 - MW-1: 112 ppb 1,3 Dichlorobenzene
- (15) 1/20/03 additional detections: (none)
- (16) 7/30/03 additional detections: (none)
- (17) 1/27/04 additional detections:
 - MW-4: 11 ppb 1,3-Dichlorobenzene
 - MW-4: 9.7 ppb 1,4-Dichlorobenzene
 - MW-4: 12 ppb 1,1,2-Trichloroethane
 - MW-6: 13 ppb 1,1,2-Trichloroethane
- (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
- (24) Sample discharged from top of bailer (A); and bottom of bailer (C)
- (25) 7/27/06 additional detections:
 - MW-3: 5.0 ppb 1,1,2 Trichloroethane
 - MW-4: 6.6 ppb 1,3-Dichlorobenzene
 - MW-4: 6.4 ppb 1,4-Dichlorobenzene
- (26) 1/25/07 additional detections:
 - MW-5: 1.1 ppb Chloroform
- (27) 7/19/07 additional detections:
 - MW-4: 11 ppb 1,3-Dichlorobenzene
 - MW-4: 8.4 ppb 1,4-Dichlorobenzene
 - MW-7: 41 ppb 1,1,2-Trichloroethane
 - MW-9: 1.6 ppb bromodichloromethane
- (28) 2/15/08 additional detections:
 - MW-4: 10 ppb 1,3-Dichlorobenzene
 - MW-4: 8.9 ppb 1,4-Dichlorobenzene
 - MW-7: 6.2 ppb chloromethane

TABLE 4

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

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

Notes to Table 4

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

TABLE 5
SUMMARY OF ANALYTICAL TEST RESULTS -
ADDITIONAL CHEMICAL PARAMETERS
 (Results reported in parts per million, mg/l) (1)

Well and Date	Dissolved Oxygen	Ferrous Iron	Nitrate	Sulfate
MW-1 ("deep")				
10/8/96	1.5	ND	ND	ND
1/16/97	1.4	3.6	ND	ND
MW-2 ("deep")				
10/8/96	3.7	ND	3	25
1/16/97	5.4	0.28	3	25
MW-3 ("shallow")				
10/8/96	3.8	ND	ND	5
1/16/97	5.2	ND	ND	5
MW-4 ("deep")				
10/8/96	3.0	ND	ND	ND
1/16/97	4.7	0.75	ND	5
MW-5 ("deep")				
10/8/96	2.8	ND	ND	8
1/16/97	3.4	0.38	ND	9
MW-6 ("shallow")				
10/8/96	2.7	ND	ND	6
1/16/97	2.7	0.28	ND	8
MW-7 ("deep")				
No data: well not in existence at time of testing.				
MW-8 ("shallow")				
No data: well not in existence at time of testing.				
MW-9 ("shallow")				
No data: well not in existence at time of testing.				

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

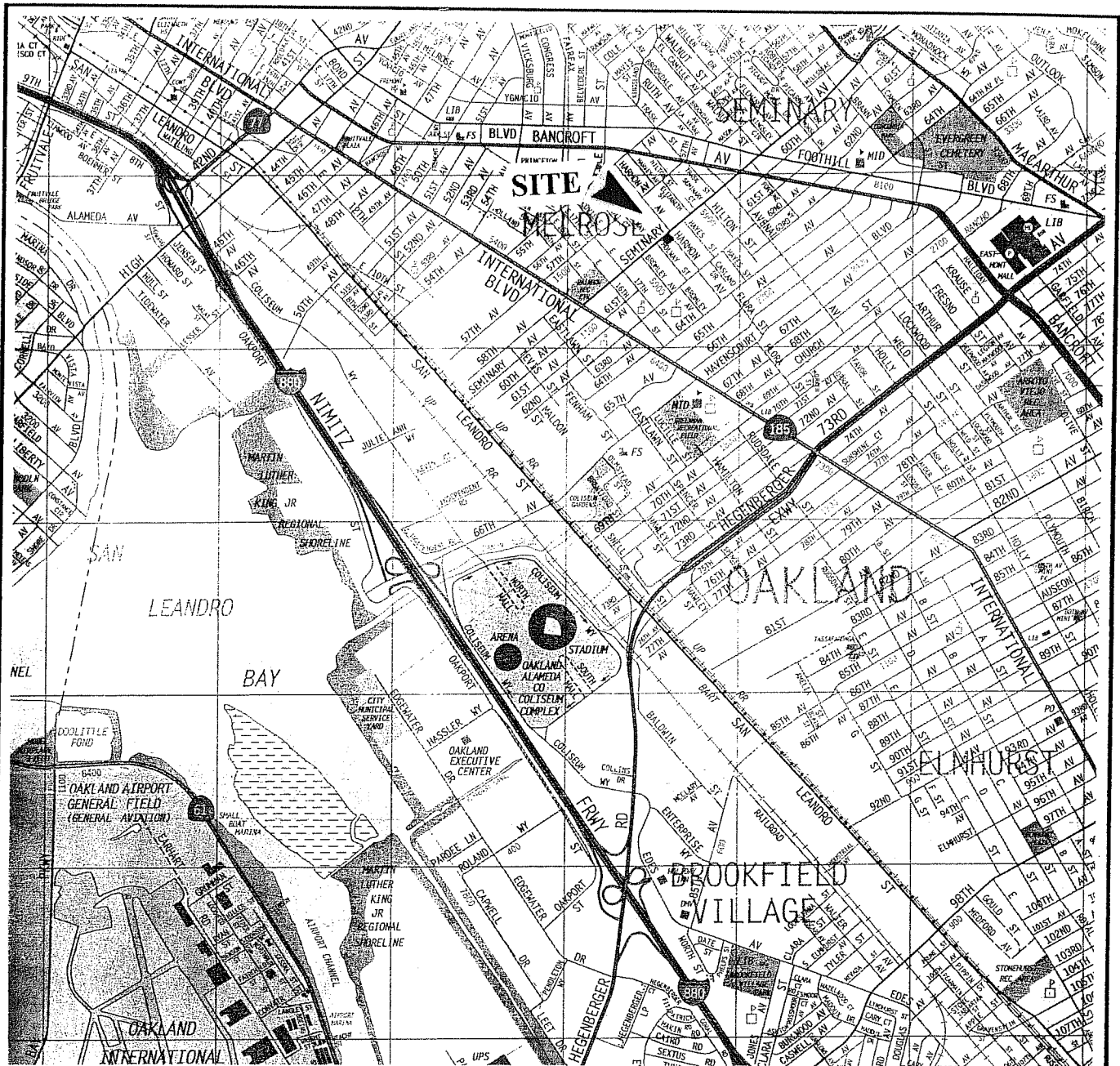
TABLE 6
SUMMARY OF ANALYTICAL TEST RESULTS -
FUEL FINGERPRINT WITH SILICA GEL CLEAN UP

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

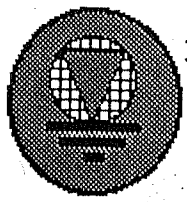
Notes to Table 6

- (1) ND = non-detect
- (2) See laboratory report in February 26, 2002 ground water sampling report for chromatograms.

FIGURES



Source: Thomas Brothers Maps.

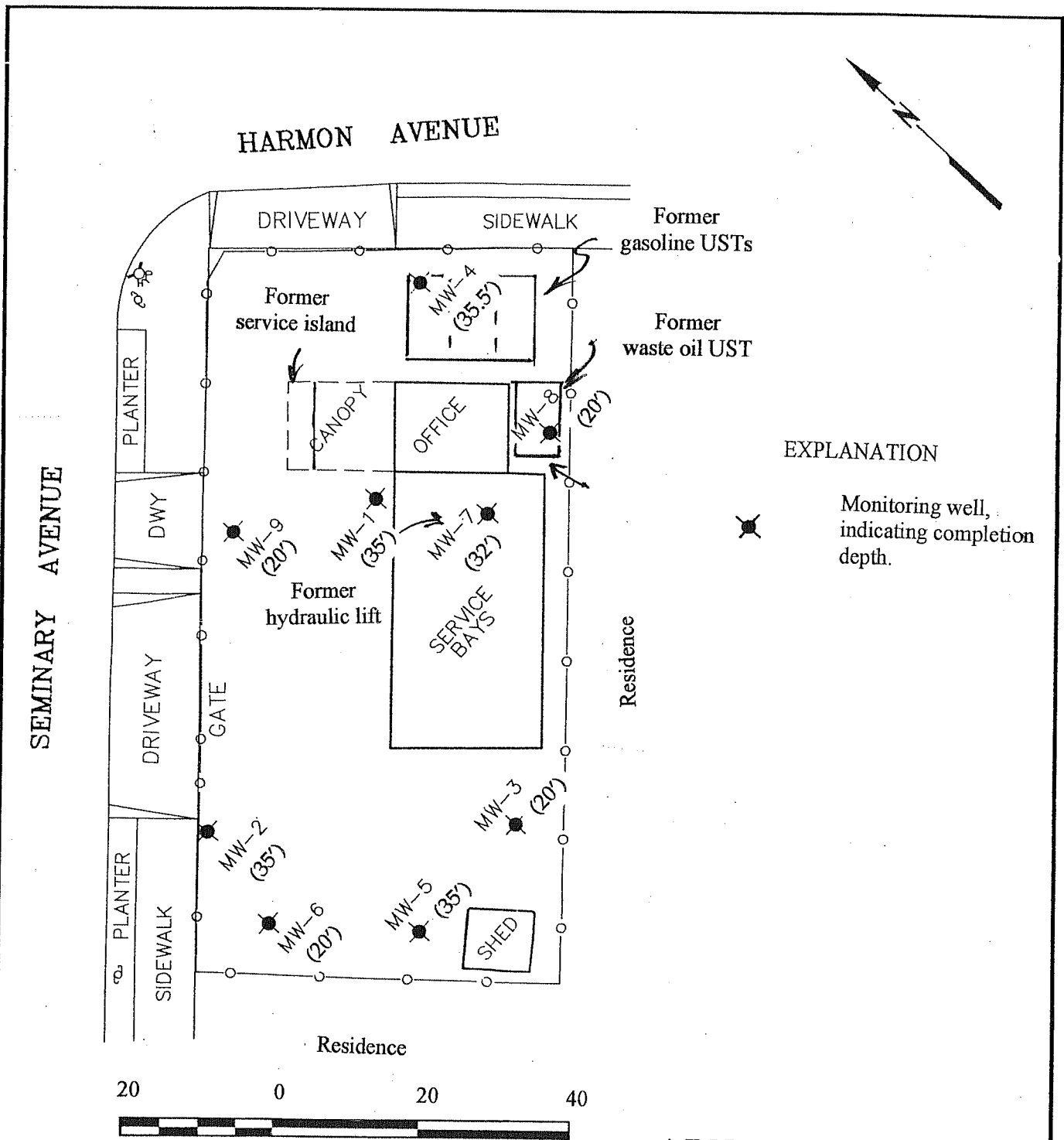


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LOCATION MAP

1970 Seminary Ave.
 Oakland, California

Project No.	Date	Figure 1
E-10-1F-565F	March 2008	



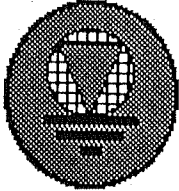
EXPLANATION

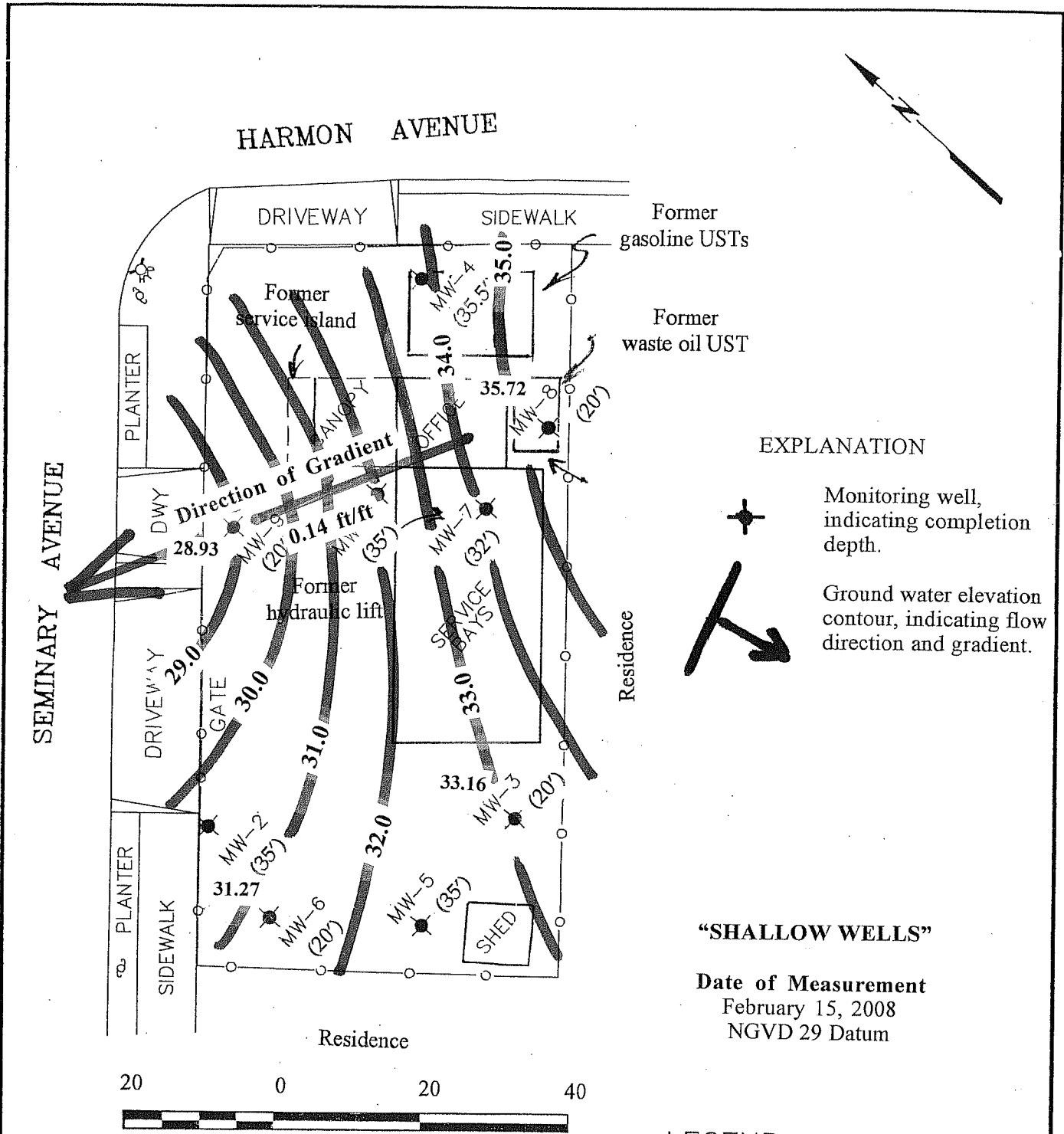
⊗ Monitoring well, indicating completion depth.

LEGEND

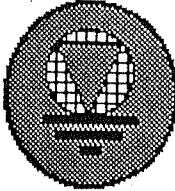
⊕ - EXISTING JOINT UTILITY POLE
 ⌘ - EXISTING FIRE HYDRANT

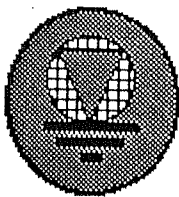
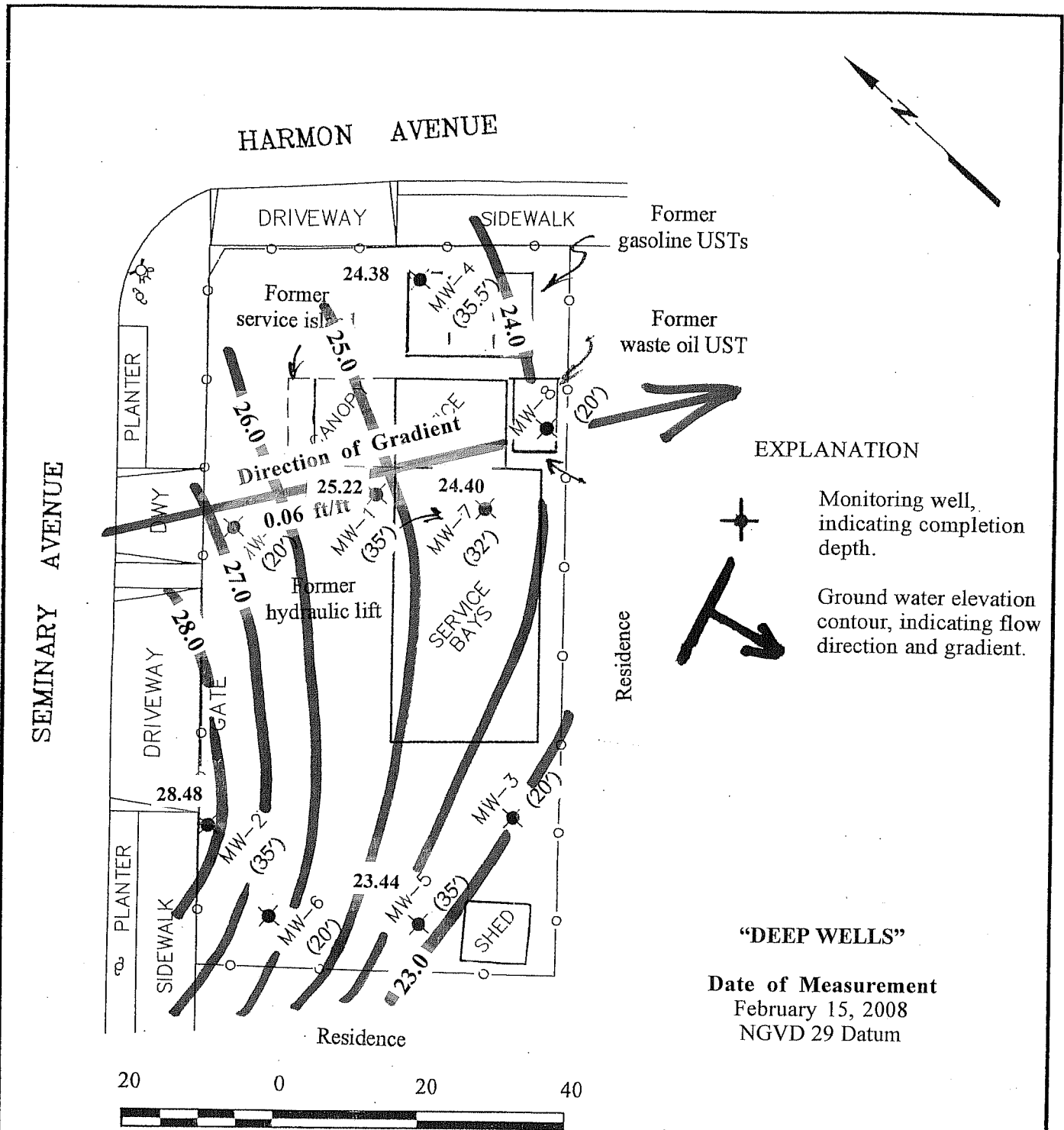
Base: Virgil Chavez Land Surveying, July 2004

 <p>HOEXTER CONSULTING Geology Engineering Geology Environmental Studies</p>	SITE PLAN		
	1970 Seminary Ave. Oakland, California		
	Project No.	Date	Figure 2
	E-10-1F-565F	March 2008	



Base: Virgil Chavez Land Surveying, July 2004

 <p>HOEXTER CONSULTING Geology Engineering Geology Environmental Studies</p>	GROUND WATER CONTOUR AND GRADIENT DIRECTION MAP	
	1970 Seminary Ave. Oakland, California	
	Project No. E-10-1F-565F	Date March 2008
	Figure 3A	



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**GROUND WATER CONTOUR
AND GRADIENT DIRECTION MAP**

1970 Seminary Ave.
Oakland, California

Project No.

Date

Figure 3B

E-10-1F-565F

March 2008

APPENDIX A

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

Water Sample Logs

HOEXTER CONSULTING INC. Groundwater Sampling Field Log MW-1

Project: Gruit, 1970 Seminary Ave, Oakland, CA.	Project No.: E-10-1F-565F
Client: D. Gruit c/o A. LaMarca	Date: February 15, 2008
Project Manager: D. F. Hoexter	Sample Location/I.D.: MW- 1
Sampler: J. Forsythe	Lab ID.:

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

Depth of Well (feet): 35	Calculated Purge Volume (gal) (based on four well volumes): 13.2
Depth to Water (feet): 14.80	
Sample Depth (feet):	Actual Purged Volume (gal): 9.75

Field Measurements

Time	Cum	Volume (gal.)	pH (units)	E.C. (umhos/cm)	Temperature (Deg. F)	Color (Visual)	Other
1411	3.25	3.25	6.52	836	62.5	Cloudy and "oily"	Thick sheen, strong odor
1424	6.50	3.25	6.53	828	63.4		
1435	9.75	3.25	6.58	644 (?)	61.3		

Purge Method

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

Sample Method

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

Well Integrity: OK; 1/4" product and strong petroleum odor in initial bailer extraction; strong sheen and odor through following well purge volumes. Well cap removed 2/13/08 to allow water to equilibrate.

Remarks: Well purged and sampled 2/15/08. DTW not measured prior to sampling due to presence of product. JF sampled 3 VOA and 1 amber liter at 17:35.

Signature: _____

Volumes Per Unit Length Selected Well Casing Diameters – Volumes Per Unit Length					Conversion Factors		
Well Casing I.D. (inches)	Cubic				To Convert	Into	Multiply
	Gal/ft.	Ft/ft	L/M	L/Ft	Ft of Water	Lbs/sp inch	0.4335
1.5	0.0918	0.0123	1.140	0.3475	Lbs/Sq inch	Ft of Water	2.3070
2.0	0.1632	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- 1**

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

Project: Gritit, 1970 Seminary Ave, Oakland, CA.	Project No.: E-10-1F-565F
Client: D. Gritit c/o A. LaMarca	Date: February 15, 2008
Project Manager: D. F. Hoexter	Sample Location/I.D.: MW- 2
Sampler: J. Forsythe	Lab ID.:

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

Depth of Well (feet): 35	Calculated Purge Volume (gal) (based on four well volumes): 15.7
Depth to Water (feet): 10.94	
Sample Depth (feet):	Actual Purged Volume (gal): 12.0

Field Measurements

Time	Cum	Volume (gal.)	PH (units)	E.C. (umhos/cm)	Temperature (Deg. F)	Color (Visual)	Other
1145	4	4	6.44	780	60.5	Clear	No sheen or odor
1203	8	4	6.46	790	61.0		
1225	12	4	6.51	829	62.0		

Purge Method

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

Sample Method

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

Well Integrity: OK; Initial bailer extraction clear, no sheen, no odor. Well cap removed 2/13/08 to allow water to equilibrate.

Remarks: Well purged and sampled 2/15/08. DTW following purge 29.71'; well recovered to 26.52' prior to sampling. JF sampled 3 VOA and 1 amber liter at 17:16.

Signature: _____

Volumes Per Unit Length Selected Well Casing Diameters – Volumes Per Unit Length					Conversion Factors		
Well Casing I.D. (inches)	Cubic				To Convert	Into	Multiply
	Gal/ft.	Ft/ft	L/M	L/Ft	Ft of Water	Lbs/sp inch	0.4335
1.5	0.0918	0.0123	1.140	0.3475	Lbs/Sq inch	Ft of Water	2.3070
2.0	0.1632	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- 2**

HOEXTER CONSULTING INC. Groundwater Sampling Field Log MW-3

Project: Gruit, 1970 Seminary Ave, Oakland, CA.	Project No.: E-10-1F-565F
Client: D. Gruit c/o A. LaMarca	Date: February 15, 2008
Project Manager: D. F. Hoexter	Sample Location/I.D.: MW- 3
Sampler: J. Forsythe	Lab ID.:

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

Depth of Well (feet): 20	Calculated Purge Volume (gal) (based on four well volumes): 8.6
Depth to Water (feet): 6.79	
Sample Depth (feet):	Actual Purged Volume (gal): 6.25

Field Measurements

Time	Cum	Volume (gal.)	PH (units)	E.C. (umhos/cm)	Temperature (Deg. F)	Color (Visual)	Other
1248	2	2	6.51	534	59.6	Clear	No sheen or odor
1258	4.25	2.5	6.47	526	59.9	Clear	
1307	6.25	2	6.64	530	60.0	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. Well cap removed 2/13/08 to allow water to equilibrate.

Remarks: Well purged and sampled 2/15/08. DTW following purge 18.11'; well recovered to 14.85' prior to sampling. DFH sampled 3 VOA and 1 amber liter at 17:00.

Signature: _____

Volumes Per Unit Length Selected Well Casing Diameters – Volumes Per Unit Length					Conversion Factors		
Well Casing I.D. (inches)	Cubic				To Convert	Into	Multiply
	Gal/ft.	Ft/ft	L/M	L/Ft	Ft of Water	Lbs/sp inch	0.4335
1.5	0.0918	0.0123	1.140	0.3475	Lbs/Sq inch	Ft of Water	2.3070
2.0	0.1632	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-10-1F-565F
Client: D. Gritit c/o A. LaMarca	Date: February 15, 2008
Project Manager: D. F. Hoexter	Sample Location/I.D.: MW- 4
Sampler: J. Forsythe	Lab ID.:

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

Depth of Well (feet): 35.5	Calculated Purge Volume (gal) (based on four well volumes): 13.3
Depth to Water (feet): 15.11	
Sample Depth (feet):	Actual Purged Volume (gal): 10.0

Field Measurements

Time	Cum	Volume (gal.)	pH (units)	E.C. (umhos/cm)	Temperature (Deg. F)	Color (Visual)	Other
1212	3.0	3.0	6.51	676	62.7	Clear initially, no sheen, moderate odor	
1223	6.5	3.5	6.44	668	62.4		
1235	10.0	3.5	6.51	670	62.6		Slight to moderate sheen and continued moderate odor.

Purge Method

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

Sample Method

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

Well Integrity: OK; clear, no product, no sheen, moderate odor initially; slight subsequent sheen, moderate petroleum odor after second volume purge. Well cap removed 2/13/08 to allow water to equilibrate.

Remarks: Well purged and sampled 2/15/08. DTW following purge 24.79'; well recovered to 19.62' prior to sampling. JF sampled 3 VOA, 1 amber liter at 16:50.

Signature: _____

Volumes Per Unit Length Selected Well Casing Diameters – Volumes Per Unit Length					Conversion Factors		
Well Casing I.D. (inches)	Cubic				To Convert	Into	Multiply
	Gal/ft.	Ft/ft	L/M	L/Ft	Ft of Water	Lbs/sp inch	
1.5	0.0918	0.0123	1.140	0.3475	Lbs/Sq inch	Ft of Water	0.4335
2.0	0.1632	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- 4**

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

Project: Gruit, 1970 Seminary Ave, Oakland, CA.	Project No.: E-10-1F-565F
Client: D. Gruit c/o A. LaMarca	Date: February 15, 2008
Project Manager: D. F. Hoexter	Sample Location/I.D.: MW - 5
Sampler: J. Forsythe	Lab ID.:

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

Depth of Well (feet): 35	Calculated Purge Volume (gal) (based on four well volumes): 12.3
Depth to Water (feet): 16.35*	
Sample Depth (feet):	Actual Purged Volume (gal): 9.25

Field Measurements

Time	Cum	Volume (gal.)	PH (units)	E.C. (umhos/cm)	Temperature (Deg. F)	Color (Visual)	Other
1411	3.0	3.0	6.49	639	62.0	Clear	No sheen
1424	3.0	3.0	6.50	653	62.1	Cloudy, tan	Slight sheen
1435	9.25	3.25	6.53	657	62.2		

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

Remarks: Well purged and sampled 2/15/08. *Ground water not stabilized (see text) prior to measuring (cap not removed on 2/13/08). DTW 27.69' following purge; recovered to 21.27' prior to sampling. DFH sampled 3 VOA and 1 amber liter @ 17:15.

Signature: _____

Volumes Per Unit Length Selected Well Casing Diameters – Volumes Per Unit Length					Conversion Factors		
Well Casing I.D. (inches)	Cubic				To Convert	Into	Multiply
	Gal/ft.	Ft/ft	L/M	L/Ft	Ft of Water	Lbs/sp inch	0.4335
1.5	0.0918	0.0123	1.140	0.3475	Lbs/Sq inch	Ft of Water	2.3070
2.0	0.1632	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- 5**

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

Project: Gritit, 1970 Seminary Ave, Oakland, CA.	Project No.: E-10-1F-565F
Client: D. Gritit c/o A. LaMarca	Date: February 15, 2008
Project Manager: D. F. Hoexter	Sample Location/I.D.: MW- 6
Sampler: J. Forsythe	Lab ID.:

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

Depth of Well (feet): 20	Calculated Purge Volume (gal) (based on four well volumes): 7.7
Depth to Water (feet): 8.17	Actual Purged Volume (gal): 6.0
Sample Depth (feet):	

Field Measurements

Time	Cum	Volume (gal.)	pH (units)	E.C. (umhos/cm)	Temperature (Deg. F)	Color (Visual)	Other
1337	2.0	2.0	6.35	674	60.1	Clear	No prod or sheen, no odor
1343	4.0	2.0	6.46	735	60.7		
1349	6.0	2.0	6.51	726	60.9		

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. Well cap removed 2/13/08 to allow water to equilibrate.

Remarks: Well purged and sampled 2/15/08. Three volume purge; further purge not conducted to facilitate recovery (gw 10.28' following purge; recovered to 9.25' prior to sampling). DFH sampled 3 VOA and 1 amber liter at 15:39.

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
1.5	0.0918	0.0123	1.140	0.3475	Lbs/Sq inch	Ft of Water	2.3070
2.0	0.1632	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- 6**

HOEXTER CONSULTING INC. Groundwater Sampling Field Log MW-7

Project: Gruit, 1970 Seminary Ave, Oakland, CA.	Project No.: E-10-1F-565F
Client: D. Gruit c/o A. LaMarca	Date: February 15, 2008
Project Manager: D. F. Hoexter	Sample Location/I.D.: MW-7
Sampler: J. Forsythe	Lab ID.:

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

Depth of Well (feet): 32	Calculated Purge Volume (gal) (based on four well volumes): 10.8
Depth to Water (feet): 15.44	
Sample Depth (feet):	Actual Purged Volume (gal): 8.25

Field Measurements

Time	Cum	Volume (gal.)	pH (units)	E.C. (umhos/cm)	Temperature (Deg. F)	Color (Visual)	Other
1254	2.75	2.75	6.47	795	61.4	Clear	No sheen, slight odor
1306	5.50	2.75	6.52	731	62.1	Mod. cloudy	Slight to moderate sheen and odor
1319	8.25	2.75	6.61	700	61.2		

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; initial bailer clear, no sheen, slight odor. Well cap removed 2/13/08 to allow water to equilibrate.

Remarks: Well purged and sampled 2/15/08. Three volume purge to facilitate recovery. Well recovered to 18.03' prior to sampling. DFH sampled 3 VOA and 1 amber liter at 16:42.

Signature: _____

Volumes Per Unit Length Selected Well Casing Diameters – Volumes Per Unit Length					Conversion Factors		
Well Casing I.D. (inches)	Cubic				To Convert	Into	Multiply
	Gal/ft.	Ft/ft	L/M	L/Ft	Ft of Water	Lbs/sp inch	0.4335
1.5	0.0918	0.0123	1.140	0.3475	Lbs/Sq inch	Ft of Water	2.3070
2.0	0.1632	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-7**

HOEXTER CONSULTING INC. Groundwater Sampling Field Log MW-8

Project: Gritit, 1970 Seminary Ave, Oakland, CA.	Project No.: E-10-1F-565F
Client: D. Gritit c/o A. LaMarca	Date: February 15, 2008
Project Manager: D. F. Hoexter	Sample Location/I.D.: MW- 8
Sampler: J. Forsythe	Lab ID.:

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

Depth of Well (feet): 20	Calculated Purge Volume (gal) (based on four well volumes): 10.6
Depth to Water (feet): 3.77	
Sample Depth (feet):	Actual Purged Volume (gal): 10.75

Field Measurements

Time	Cum	Volume (gal.)	PH (units)	E.C. (umhos/cm)	Temperature (Deg. F)	Color (Visual)	Other
1120	2.75	2.75	6.46	122	57.5	Clear	No sheen or odor
1130	5.50	2.75	6.77	114	56.4	Light tan	
1140	8.25	2.75	6.33	110	55.1		
1152	10.75	2.55	6.75	115	56.7		

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 product or sheen, no odor. Well cap removed 2/13/08 to allow water to equilibrate.

Remarks: Well purged and sampled 2/15/08. Four volume purge. DTW 3.89' prior to sampling. JF sampled 3 VOA and 1 amber liter at 15:40.

Signature: _____

Volumes Per Unit Length Selected Well Casing Diameters – Volumes Per Unit Length					Conversion Factors		
Well Casing I.D. (inches)	Cubic				To Convert	Into	Multiply
	Gal/ft.	Ft/ft	L/M	L/Ft	Ft of Water	Lbs/sp inch	
1.5	0.0918	0.0123	1.140	0.3475	Ft of Water	Lbs/Sq inch	0.4335
2.0	0.1632	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- 8**

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

Project: Gruit, 1970 Seminary Ave, Oakland, CA.	Project No.: E-10-1F-565F
Client: D. Gruit c/o A. LaMarca	Date: February 15, 2008
Project Manager: D. F. Hoexter	Sample Location/I.D.: MW- 9
Sampler: J. Forsythe	Lab ID.:

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

Depth of Well (feet): 20	Calculated Purge Volume (gal) (based on four well volumes): 6.0
Depth to Water (feet): 10.78	
Sample Depth (feet):	Actual Purged Volume (gal): 4.0

Field Measurements

Time	Cum	Volume (gal.)	PH (units)	E.C. (umhos/cm)	Temperature (Deg. F)	Color (Visual)	Other
1109	1.5	1.5	6.27	664	59.6	Clear	No product or sheen, sl. odor
1115	3.0	1.5	6.31	702	62.0	Slightly cloudy, gray-brown	
1118	4.0	1.0	6.33	692	61.5		

Purge Method

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

Sample Method

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

Well Integrity: OK. Possible slight odor, no product or sheen on initial bailer extraction. Well cap removed 2/13/08 to allow water to equilibrate.

Remarks: Well purged and sampled 2/15/08. Three + volume purge; well evacuated prior to fourth purge volume. DTW 18.02' following purge; well recovered to 16.54' prior to sampling. DFH sampled 3 VOA and 1 amber liter at 17:45.

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	0.1632	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- 9**

**Chain of Custody
and
Analytical Test Results**

**McC Campbell Analytical, Inc.**

"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Web: www.mcccampbell.com E-mail: main@mcccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

Hoexter Consulting Eng. Geology 734 Torreya Court Palo Alto, CA 94303-4160	Client Project ID: # E-10-1F-565F; Gritmit	Date Sampled: 02/15/08
		Date Received: 02/19/08
	Client Contact: David Hoexter	Date Reported: 02/25/08
	Client P.O.:	Date Completed: 02/25/08

WorkOrder: 0802424

February 25, 2008

Dear David:

Enclosed within are:

- 1) The results of the 9 analyzed samples from your project: # **E-10-1F-565F; Gritmit**,
- 2) A QC report for the above samples,
- 3) A copy of the chain of custody, and
- 4) An invoice 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 or concerns, please feel free to give me a call. Thank you for choosing

McC Campbell Analytical Laboratories for your analytical needs.

Best regards,

Angela Rydelius
Laboratory Manager
McC Campbell Analytical, Inc.

CHAIN-OF-CUSTODY RECORD

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/MBTEX	DIOH VOC	SEM-EDS	SIM 5520 B/Foil			
Boring/Well Number	Date	Time												
MW-8	2/15/08	1540				VUA	3	X	X	X		X	HCL	1
MW-9		1745				Amber L	1				X			2
						VUA	3	X	X	X		X	HCL	3
						Amber L	1				X			4
														5
														6
														7
														8
														9
														10
														11
														12
														13
														14
														15

Relinquished by: (Signature) <i>D. Hoexter</i>	Date/Time 2/15/08 11:42	Received by: (Signature) <i>Dark</i>
Relinquished by: (Signature) <i>[Signature]</i>	Date/Time 2/17/08 1530	Received by: (Signature) <i>Kimberly Burns</i>
Relinquished by: (Signature)	Date/Time	Received for Laboratory by: (Signature)

Ship To: McC Campbell Ave
Pittsburg CA

Attention: _____

Phone No: _____

Requested Turnaround: Normal Contact: David F. Hoexter

Time: _____

Remarks: EDF please

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

McC Campbell Analytical, Inc.



1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0802424

ClientCode: HCEP

WriteOn EDF Excel Fax Email HardCopy ThirdParty J-flag

Report to:

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

Email: david@hoexterconsulting.com
TEL: (650) 494-2505 FAX: (650) 494-2515
PO:
ProjectNo: # E-10-1F-565F; Grimit

Bill to:

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

Requested TAT: 5 days

Date Received: 02/19/2008

Date Printed: 02/19/2008

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below)												
					1	2	3	4	5	6	7	8	9	10	11	12	
0802424-001	MW-1	Water	2/15/2008 17:35	<input type="checkbox"/>	C	B	A	A									
0802424-002	MW-2	Water	2/15/2008 17:16	<input type="checkbox"/>	C	B	A										
0802424-003	MW-3	Water	2/15/2008 17:00	<input type="checkbox"/>	C	B	A										
0802424-004	MW-4	Water	2/15/2008 16:50	<input type="checkbox"/>	C	B	A										
0802424-005	MW-5	Water	2/15/2008 17:15	<input type="checkbox"/>	C	B	A										
0802424-006	MW-6	Water	2/15/2008 15:39	<input type="checkbox"/>	C	B	A										
0802424-007	MW-7	Water	2/15/2008 16:42	<input type="checkbox"/>	C	B	A										
0802424-008	MW-8	Water	2/15/2008 15:40	<input type="checkbox"/>	C	B	A										
0802424-009	MW-9	Water	2/15/2008 17:45	<input type="checkbox"/>	C	B	A										

Test Legend:

1	5520B SG W	2	8010BMS W	3	G-MBTEX W	4	PREFD REPORT	5	
6		7		8		9		10	
11		12							

Prepared by: Kimberly Burks

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.



Sample Receipt Checklist

Client Name: **Hoexter Consulting Eng. Geology**

Date and Time Received: **2/19/2008 4:45:13 PM**

Project Name: **# E-10-1F-565F; Gritit**

Checklist completed and reviewed by: **Kimberly Burks**

WorkOrder N°: **0802424** Matrix Water

Carrier: Derik Cartan (MAI Courier)

Chain of Custody (COC) Information

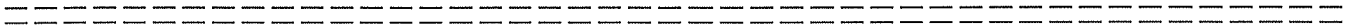
- Chain of custody present? Yes No
- Chain of custody signed when relinquished and received? Yes No
- Chain of custody agrees with sample labels? Yes No
- Sample IDs noted by Client on COC? Yes No
- Date and Time of collection noted by Client on COC? Yes No
- Sampler's name noted on COC? Yes No

Sample Receipt Information

- Custody seals intact on shipping container/cooler? Yes No NA
- Shipping container/cooler in good condition? Yes No
- Samples in proper containers/bottles? Yes No
- Sample containers intact? Yes No
- Sufficient sample volume for indicated test? Yes No

Sample Preservation and Hold Time (HT) Information

- All samples received within holding time? Yes No
- Container/Temp Blank temperature Cooler Temp: 4.9°C NA
- Water - VOA vials have zero headspace / no bubbles? Yes No No VOA vials submitted
- Sample labels checked for correct preservation? Yes No
- TTLC Metal - pH acceptable upon receipt (pH<2)? Yes No NA



Client contacted:

Date contacted:

Contacted by:

Comments:



McC Campbell Analytical, Inc.

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Telephone: 877-252-9262 Fax: 925-252-9269

Hoexter Consulting Eng. Geology 734 Torreya Court Palo Alto, CA 94303-4160	Client Project ID: # E-10-1F-565F; Gritmit	Date Sampled: 02/15/08
		Date Received: 02/19/08
	Client Contact: David Hoexter	Date Extracted: 02/19/08
	Client P.O.:	Date Analyzed 02/22/08

Petroleum Oil & Grease with Silica Gel Clean-Up*

Analytical methods: SM5520B/F

Work Order: 0802424

Lab ID	Client ID	Matrix	POG	DF	% SS
0802424-001C	MW-1	W	3500,h	1	N/A
0802424-002C	MW-2	W	ND	1	N/A
0802424-003C	MW-3	W	ND	1	N/A
0802424-004C	MW-4	W	12,h	1	N/A
0802424-005C	MW-5	W	ND	1	N/A
0802424-006C	MW-6	W	ND	1	N/A
0802424-007C	MW-7	W	27,h	1	N/A
0802424-008C	MW-8	W	ND	1	N/A
0802424-009C	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.



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

Client Project ID: # E-10-1F-565F;
Grimit
Client Contact: David Hoexter
Client P.O.:

Date Sampled: 02/15/08
Date Received: 02/19/08
Date Extracted 02/20/08-02/21/08
Date Analyzed: 02/20/08-02/21/08

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

Extraction Method: SW5030B

Analytical Method: SW8260B

Work Order: 0802424

Lab ID	0802424-001B	0802424-002B	0802424-003B	0802424-004B	Reporting Limit for DF=1	
Client ID	MW-1	MW-2	MW-3	MW-4	S	W
Matrix	W	W	W	W		
DF	10	1	1	10		
Compound	Concentration				µg/kg	µg/L
Bromodichloromethane	ND<5.0	ND	ND	ND<5.0	NA	0.5
Bromoform	ND<5.0	ND	ND	ND<5.0	NA	0.5
Bromomethane	ND<5.0	ND	ND	ND<5.0	NA	0.5
Carbon Tetrachloride	ND<5.0	ND	ND	ND<5.0	NA	0.5
Chlorobenzene	ND<5.0	ND	ND	ND<5.0	NA	0.5
Chloroethane	ND<5.0	ND	ND	ND<5.0	NA	0.5
2-Chloroethyl Vinyl Ether	ND<10	ND	ND	ND<10	NA	1.0
Chloroform	ND<5.0	ND	ND	ND<5.0	NA	0.5
Chloromethane	ND<5.0	ND	ND	ND<5.0	NA	0.5
Dibromochloromethane	ND<5.0	ND	ND	ND<5.0	NA	0.5
1,2-Dibromoethane (EDB)	ND<5.0	ND	ND	ND<5.0	NA	0.5
1,2-Dichlorobenzene	ND<5.0	ND	ND	31	NA	0.5
1,3-Dichlorobenzene	ND<5.0	ND	ND	10	NA	0.5
1,4-Dichlorobenzene	ND<5.0	ND	ND	8.9	NA	0.5
Dichlorodifluoromethane	ND<5.0	ND	ND	ND<5.0	NA	0.5
1,1-Dichloroethane	ND<5.0	ND	ND	ND<5.0	NA	0.5
1,2-Dichloroethane (1,2-DCA)	ND<5.0	ND	ND	ND<5.0	NA	0.5
1,1-Dichloroethene	ND<5.0	ND	ND	ND<5.0	NA	0.5
cis-1,2-Dichloroethene	14	2.0	ND	200	NA	0.5
trans-1,2-Dichloroethene	ND<5.0	ND	ND	25	NA	0.5
1,2-Dichloropropane	ND<5.0	ND	ND	ND<5.0	NA	0.5
cis-1,3-Dichloropropene	ND<5.0	ND	ND	ND<5.0	NA	0.5
trans-1,3-Dichloropropene	ND<5.0	ND	ND	ND<5.0	NA	0.5
Freon 113	ND<100	ND	ND	ND<100	NA	10
Methylene chloride	ND<5.0	ND	ND	ND<5.0	NA	0.5
1,1,1,2-Tetrachloroethane	ND<5.0	ND	ND	ND<5.0	NA	0.5
1,1,2,2-Tetrachloroethane	ND<5.0	ND	ND	ND<5.0	NA	0.5
Tetrachloroethene	ND<5.0	ND	ND	ND<5.0	NA	0.5
1,1,1-Trichloroethane	ND<5.0	ND	ND	ND<5.0	NA	0.5
1,1,2-Trichloroethane	ND<5.0	ND	ND	ND<5.0	NA	0.5
Trichloroethene	ND<5.0	2.1	ND	22	NA	0.5
Trichlorofluoromethane	ND<5.0	ND	ND	ND<5.0	NA	0.5
Vinyl Chloride	16	ND	ND	130	NA	0.5
Surrogate Recoveries (%)						
%SS1:	100	100	102	103		
%SS2:	104	107	103	101		
%SS3:	110	116	110	111		
Comments	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.



McC Campbell Analytical, Inc.

"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
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Telephone: 877-252-9262 Fax: 925-252-9269

Hoexter Consulting Eng. Geology 734 Torrey Court Palo Alto, CA 94303-4160	Client Project ID: # E-10-1F-565F; Grimit	Date Sampled: 02/15/08
	Client Contact: David Hoexter	Date Received: 02/19/08
	Client P.O.:	Date Extracted 02/20/08-02/21/08
		Date Analyzed: 02/20/08-02/21/08

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

Extraction Method: SW5030B

Analytical Method: SW8260B

Work Order: 0802424

Lab ID	0802424-005B	0802424-006B	0802424-007B	0802424-008B	Reporting Limit for DF =1	
Client ID	MW-5	MW-6	MW-7	MW-8	S	W
Matrix	W	W	W	W		
DF	1	1	10	1		

Compound	Concentration				µg/kg	µg/L
Bromodichloromethane	ND	ND	ND<5.0	ND	NA	0.5
Bromoform	ND	ND	ND<5.0	ND	NA	0.5
Bromomethane	ND	ND	ND<5.0	ND	NA	0.5
Carbon Tetrachloride	ND	ND	ND<5.0	ND	NA	0.5
Chlorobenzene	ND	ND	ND<5.0	ND	NA	0.5
Chloroethane	ND	ND	ND<5.0	ND	NA	0.5
2-Chloroethyl Vinyl Ether	ND	ND	ND<10	ND	NA	1.0
Chloroform	ND	ND	ND<5.0	ND	NA	0.5
Chloromethane	ND	ND	6.2	ND	NA	0.5
Dibromochloromethane	ND	ND	ND<5.0	ND	NA	0.5
1,2-Dibromoethane (EDB)	ND	ND	ND<5.0	ND	NA	0.5
1,2-Dichlorobenzene	ND	ND	5.5	ND	NA	0.5
1,3-Dichlorobenzene	ND	ND	ND<5.0	ND	NA	0.5
1,4-Dichlorobenzene	ND	ND	ND<5.0	ND	NA	0.5
Dichlorodifluoromethane	ND	ND	ND<5.0	ND	NA	0.5
1,1-Dichloroethane	ND	ND	ND<5.0	ND	NA	0.5
1,2-Dichloroethane (1,2-DCA)	ND	ND	ND<5.0	ND	NA	0.5
1,1-Dichloroethene	ND	ND	ND<5.0	ND	NA	0.5
cis-1,2-Dichloroethene	0.90	4.9	220	7.5	NA	0.5
trans-1,2-Dichloroethene	ND	ND	ND<5.0	ND	NA	0.5
1,2-Dichloropropane	ND	ND	ND<5.0	ND	NA	0.5
cis-1,3-Dichloropropene	ND	ND	ND<5.0	ND	NA	0.5
trans-1,3-Dichloropropene	ND	ND	ND<5.0	ND	NA	0.5
Freon 113	ND	ND	ND<100	ND	NA	10
Methylene chloride	ND	ND	ND<5.0	ND	NA	0.5
1,1,1,2-Tetrachloroethane	ND	ND	ND<5.0	ND	NA	0.5
1,1,1,2,2-Tetrachloroethane	ND	ND	ND<5.0	ND	NA	0.5
Tetrachloroethene	ND	ND	ND<5.0	5.6	NA	0.5
1,1,1-Trichloroethane	ND	ND	ND<5.0	ND	NA	0.5
1,1,2-Trichloroethane	ND	ND	ND<5.0	ND	NA	0.5
Trichloroethene	ND	ND	28	5.4	NA	0.5
Trichlorofluoromethane	ND	ND	ND<5.0	ND	NA	0.5
Vinyl Chloride	ND	0.79	20	ND	NA	0.5

Surrogate Recoveries (%)

%SS1:	79	98	104	104	
%SS2:	103	102	101	100	
%SS3:	113	112	109	110	
Comments	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 & SPL 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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Hoexter Consulting Eng. Geology 734 Torrey Court Palo Alto, CA 94303-4160	Client Project ID: # E-10-1F-565F; Grimit	Date Sampled: 02/15/08
	Client Contact: David Hoexter	Date Received: 02/19/08
	Client P.O.:	Date Extracted 02/20/08-02/21/08
		Date Analyzed: 02/20/08-02/21/08

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

Extraction Method: SW5030B

Analytical Method: SW8260B

Work Order: 0802424

Lab ID	0802424-009B				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-Dibromoethane (EDB)	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
Freon 113	ND				NA	10
Methylene chloride	ND				NA	0.5
1,1,1,2-Tetrachloroethane	ND				NA	0.5
1,1,1,2,2-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:	101			
%SS2:	103			
%SS3:	110			
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 SM5520B/F

W.O. Sample Matrix: Water

QC Matrix: Water

WorkOrder 0802424

EPA Method SM5520B/F	Extraction SM5520B/F			BatchID: 33805			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	RPD	LCS/LCSD	RPD
TOG	N/A	100	N/A	N/A	N/A	91.5	95.4	4.19	N/A	N/A	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 33805 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0802424-001C	02/15/08 5:35 PM	02/19/08	02/22/08 6:05 PM	0802424-002C	02/15/08 5:16 PM	02/19/08	02/22/08 6:10 PM
0802424-003C	02/15/08 5:00 PM	02/19/08	02/22/08 6:15 PM	0802424-004C	02/15/08 4:50 PM	02/19/08	02/22/08 6:20 PM
0802424-005C	02/15/08 5:15 PM	02/19/08	02/22/08 6:25 PM	0802424-006C	02/15/08 3:39 PM	02/19/08	02/22/08 6:30 PM
0802424-007C	02/15/08 4:42 PM	02/19/08	02/22/08 6:35 PM	0802424-008C	02/15/08 3:40 PM	02/19/08	02/22/08 6:40 PM
0802424-009C	02/15/08 5:45 PM	02/19/08	02/22/08 6:45 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.



QC SUMMARY REPORT FOR SW8260B

W.O. Sample Matrix: Water

QC Matrix: Water

WorkOrder 0802424

EPA Method SW8260B	Extraction SW5030B								BatchID: 33857			Spiked Sample ID: 0802391-020A		
	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	RPD	LCS/LCSD	RPD	
Chlorobenzene	ND	10	103	103	0	101	102	0.0712	70 - 130	30	70 - 130	30		
1,2-Dibromoethane (EDB)	ND	10	97	99.1	2.16	99.2	102	2.51	70 - 130	30	70 - 130	30		
1,2-Dichloroethane (1,2-DCA)	ND	10	96.8	97.8	1.07	103	104	1.29	70 - 130	30	70 - 130	30		
1,1-Dichloroethene	ND	10	70.5	70	0.749	87.3	104	17.5	70 - 130	30	70 - 130	30		
Trichloroethene	ND	10	75.8	74	2.47	73.2	72.8	0.594	70 - 130	30	70 - 130	30		
%SS1:	102	10	101	100	1.44	109	106	2.57	70 - 130	30	70 - 130	30		
%SS2:	99	10	101	103	1.11	102	103	0.0704	70 - 130	30	70 - 130	30		
%SS3:	103	10	99	98	0.997	94	93	0.760	70 - 130	30	70 - 130	30		

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 33857 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0802424-001B	02/15/08 5:35 PM	02/20/08	02/20/08 7:38 PM	0802424-002B	02/15/08 5:16 PM	02/20/08	02/20/08 5:29 PM
0802424-003B	02/15/08 5:00 PM	02/20/08	02/20/08 8:21 PM	0802424-004B	02/15/08 4:50 PM	02/21/08	02/21/08 12:11 PM
0802424-005B	02/15/08 5:15 PM	02/21/08	02/21/08 3:46 AM	0802424-006B	02/15/08 3:39 PM	02/21/08	02/21/08 4:30 AM
0802424-007B	02/15/08 4:42 PM	02/21/08	02/21/08 12:55 PM	0802424-008B	02/15/08 3:40 PM	02/21/08	02/21/08 5:57 AM
0802424-009B	02/15/08 5:45 PM	02/21/08	02/21/08 10:44 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.



QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Water

QC Matrix: Water

WorkOrder: 0802424

Analyte	EPA Method SW8021B/8015Cm			Extraction SW5030B			BatchID: 33868			Spiked Sample ID: 0802424-008A			
	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)				
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD	
TPH(btex) ^f	ND	60	97.4	94.9	2.51	90.6	77.9	15.1	70 - 130	30	70 - 130	30	
MTBE	ND	10	101	101	0	113	97.5	14.8	70 - 130	30	70 - 130	30	
Benzene	ND	10	97.4	97.1	0.323	111	95	15.3	70 - 130	30	70 - 130	30	
Toluene	ND	10	96.3	97.4	1.19	103	91.2	12.3	70 - 130	30	70 - 130	30	
Ethylbenzene	ND	10	94.3	103	8.57	101	92.2	9.08	70 - 130	30	70 - 130	30	
Xylenes	ND	30	112	114	1.24	92.5	85.8	7.49	70 - 130	30	70 - 130	30	
%SS:	117	10	89	92	3.01	117	106	9.48	70 - 130	30	70 - 130	30	

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 33868 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0802424-001A	02/15/08 5:35 PM	02/20/08	02/20/08 5:12 AM	0802424-002A	02/15/08 5:16 PM	02/20/08	02/20/08 5:41 AM
0802424-003A	02/15/08 5:00 PM	02/21/08	02/21/08 5:10 PM	0802424-004A	02/15/08 4:50 PM	02/20/08	02/20/08 11:31 PM
0802424-005A	02/15/08 5:15 PM	02/20/08	02/20/08 7:11 AM	0802424-006A	02/15/08 3:39 PM	02/20/08	02/20/08 7:41 AM
0802424-007A	02/15/08 4:42 PM	02/21/08	02/21/08	0802424-008A	02/15/08 3:40 PM	02/20/08	02/20/08 7:32 AM
0802424-009A	02/15/08 5:45 PM	02/20/08	02/20/08 9:52 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.

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

cluttered chromatogram; sample peak coelutes with surrogate peak.

APPENDIX B
GEOTRACKER SUBMITTAL DOCUMENTATION

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Document Type: Monitoring Report - Semi-annual
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Documentation of current report uploads to be included with following report
(July 2008 sampling event).