December 27, 2005 Letter 0055,L63

Alameda County

Mr. Amir Gholami Alameda County Department of Environmental Health 1131 Harbor Bay Parkway, Suite 250 Alameda, CA 94502

JAN 1 0 2006

Environmental Health

SUBJECT:

QUARTERLY GROUNDWATER MONITORING AND SAMPLING REPORT

(NOVEMBER 14, 2005 SAMPLING EVENT) CERTIFICATION

Former Haber Oil Station

1401 Grand Ave.

San Leandro, California

Dear Mr. Gholami:

You will find enclosed one copy of the following report prepared by P&D Environmental, Inc.

• Quarterly Groundwater Monitoring and Sampling Report dated December 13, 2005 (document 0055.R25) for monitoring and sampling on November 15, 2005

I declare, under penalty of perjury, that the information and/or recommendations contained in the above-mentioned report for the subject site is true and correct to the best of my knowledge.

Should you have any questions, please do not hesitate to contact me at (510) 785-0565.

Sincerely,

Manmohan Chopr

Enclosure

0055.L63

P & D Environmental, Inc.

55 Santa Clara Ave, Suite 240 Oakland, CA 94610 (510) 658-6916

Alameda County

December 13, 2005 Report 0055.R25

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JAN 1 0 2006

Mr. Manmohan Chopra 29211 Marshbrook Drive Hayward, CA 94545 **Environmental Health**

SUBJECT: QUARTERLY GROUNDWATER MONITORING AND SAMPLING REPORT

(NOVEMBER 14, 2005 SAMPLING EVENT)

Former Haber Oil Station 1401 Grand Avenue San Leandro, California

Dear Mr. Chopra:

P&D Environmental, Inc. (P&D) is pleased to present this report documenting the results of the most recent quarterly monitoring and sampling of the eight groundwater monitoring wells at or near the subject site. This work was performed in accordance with P&D's proposal 022698.P1 dated February 26, 1998. All of the wells were monitored and sampled on November 14, 2005. A Site Location Map (Figure 1) and Site Vicinity Map (Figure 2) are attached with this report.

BACKGROUND

The site is presently used as an active gasoline station. It is P&D's understanding that on April 24, 1991 Aegis Environmental, Inc. (Aegis) personnel drilled four soil borings, designated as B-1 through B-4, to a vertical depth of approximately 40 feet at the site. The locations of the borings are shown on Figure 2. A total of nine soil samples collected from the boreholes were analyzed for total petroleum hydrocarbons as gasoline (TPH-G); Benzene, Toluene, Ethylbenzene, and total Xylenes (BTEX) by EPA Method 8260; and for total lead by EPA Method 7420. TPH-G concentrations ranged from below detection limit to 66 milligram per kilogram (mg/kg). Benzene concentrations ranged from not detected to 0.94 mg/kg. Total lead concentrations ranged from not detected to 3 mg/kg. Documentation of the subsurface investigation and results are presented in a report prepared by Aegis titled, "Soil Boring Results Report," dated June 10, 1991.

It is P&D's understanding that on April 14, 1992 Aegis personnel returned to the site to drill three slant borings, designated as B5 through B7, to a total vertical depth of approximately 49 feet at the site. The borings were drilled at an angle of approximately 26 to 28 degrees to collect samples from beneath the underground storage tanks. The locations of the borings are shown on Figure 2. A total of twenty-two soil samples were analyzed for TPH-G using EPA Method 5030, and for BTEX using EPA Method 8240. In addition, one of the samples was analyzed for total lead using EPA Method 7420, and several of the soil samples were analyzed for soluble lead using the California Waste Extraction Test. TPH-G concentrations ranged from not detected to 4,000 mg/kg. Benzene, concentrations ranged from not detected to 11 mg/kg. Total lead was not detected, and soluble lead concentrations ranged from not detected to 0.061 mg/kg. Documentation of the subsurface investigation and results are presented in a report prepared by Aegis titled, "Initial Subsurface Investigation Results Report," dated June 22, 1992.

It is P&D's understanding that between September 15 and 18, 1992 Aegis personnel returned to the site to install five groundwater monitoring wells, designated as MW1 through MW5. The wells were drilled to total depths of between 50 and 55 feet, and were constructed using four-inch diameter PVC pipe. Wells MW1 and MW2 were constructed with perforated casing between the depths of approximately 15 and 55 feet. Wells MW3, MW4 and MW5 were constructed with perforated casing between the depths of approximately 35 and 55 feet. Groundwater was reported as first encountered at a depth of 42 feet. The well locations are shown in Figure 2.

A total of thirty-one soil samples were analyzed for TPH-G using EPA Method 5030/8015; and for BTEX using EPA Method 8020. In addition, three soil samples containing TPH-G were analyzed for total metals concentrations of cadmium, chromium, lead, and zinc using EPA Method 6010 and 7421. One soil sample was collected from each borehole from below the airwater interface and analyzed for petrophysical properties, including saturated permeability and grain size distribution.

TPH-G concentrations ranged from not detected to 39 mg/kg. Benzene concentrations ranged from not detected to 0.27 mg/kg. The total metals concentrations were all less than 10 times their respective STLC values. The subsurface materials encountered in the borings indicate that soil types vary across the site, but generally consist of silty clay, silt, clayey silt and sandy silt from the surface to a depth of between 30 and 35 feet. Below the depth of 30 to 35 feet, layers of sand and sandy silt were reported to have been encountered.

It is P&D's understanding that on September 29, 1992 Aegis personnel collected groundwater samples from wells MW1, MW2, MW4 and MW5 at the site. A sample was not collected from well MW3 due to the reported presence of 0.02 feet of floating hydrocarbons. The measured depth to water ranged from approximately 41.5 to 44.5 feet. The samples were analyzed for TPH-G using EPA Method 5030/8015; and for BTEX using EPA Method 8020. TPH-G concentrations ranged from 0.06 to 20 mg/L, and benzene concentrations ranged from 0.16 to 10 mg/L. Based upon the water level measurements in the wells, the groundwater flow direction was reported to be to the northwest. The water level measurements are summarized in Table 1. The analytical results are summarized in Table 2.

It is P&D's understanding that on October 7, 1992 Aegis personnel performed rising head slug tests wells MW1, MW2, and MW4 to estimate the saturated hydraulic conductivity at the site. In addition, two short-term soil vapor extraction tests were performed on wells MW1 and MW2. Wells MW3, MW4, and MW5 were used as vacuum influence monitoring points. Documentation of the monitoring well groundwater sample collection, slug test and vapor extraction tests are presented in a report prepared by Aegis titled, "Problem Assessment Report," dated December 16, 1992.

On February 18, 1994 P&D personnel monitored the five groundwater monitoring wells at the site for depth to water and the presence of free product or sheen. The depth to water was measured using an electric water level indicator, and the presence of free product and sheen was evaluated using a transparent bailer. The measured depth to water in the wells ranged from approximately 39.8 to 42.9 feet. No evidence of free product or sheen was detected in any of the wells. Based on the measured depth to water in the wells, the groundwater flow direction was

calculated to be to the north with a gradient of 0.054. In a letter dated October 19, 1995 Mr. Scott Seery of the Alameda County Department of Environmental Health (ACDEH) requested that all of the onsite and offsite wells be monitored and sampled for the quarterly monitoring and sampling program. The measured depth to water in the wells is presented in Table 1.

On June 15 and 16, 1995 P&D installed three offsite monitoring wells, designated as MW6 through MW8. The locations of the wells are shown on Figure 2. Documentation of the well installation and sample results is presented in P&D's report 0055.R5 dated August 23, 1995.

The underground storage tanks at the subject site were replaced in the first half of 1997. Following removal of the tanks, excavation of soil was performed in the area surrounding well MW1. As a result of the excavation activities, the elevation at the top of well MW1 was altered. The present elevation for the top of well MW1 is unknown.

In January 2003 Ms. Eva Chu of the ACDEH requested that the wells be analyzed for fuel oxygenates using EPA Method 8260. In a letter dated June 20, 2003 Ms. Chu requested that the analysis be continued.

FIELD ACTIVITIES

On November 14, 2005 all eight of the wells in the groundwater monitoring network for the site were monitored, purged, and sampled by P&D personnel. The wells were monitored for depth to water and the presence of free product or sheen. Depth to water was measured to the nearest 0.01 foot using an electric water level indicator. The presence of sheen was evaluated using a transparent bailer. No free product or sheen was observed in any of the wells. Depth to water level measurements and monitoring well groundwater surface elevations are presented in Table 1.

Prior to sampling, the wells were purged of a minimum of three casing volumes of water. Strong to moderate petroleum hydrocarbon odors were detected in purge water from wells MW2 through MW4. During purging operations, the field parameters of electrical conductivity, temperature and pH were monitored. Once the field parameters were observed to stabilize, and a minimum of three casing volumes had been purged, water samples were collected using a clean Teflon bailer. The water samples were transferred to 40-milliliter glass Volatile Organic Analysis (VOA) vials, which were sealed with Teflon-lined screw caps. The VOA vials were overturned and tapped to ensure that no air bubbles were present.

The VOA vials were then transferred to a cooler with ice, and later were transported to McCampbell Analytical, Inc. in Pacheco, California. McCampbell Analytical, Inc. is a State-certified hazardous waste testing laboratory. Chain of custody documentation accompanied the samples to the laboratory. Records of the field parameters measured during well purging are attached with this report.

GEOLOGY AND HYDROGEOLOGY

The subsurface materials encountered in the borings drilled by Aegis indicate that soil types vary across the site, but generally consist of silty clay, silt, clayey silt, and sandy silt from the surface to

a depth of between 30 and 35 feet. Below the depth of 30 to 35 feet, layers of sand and sandy silt were reported to have been encountered. Groundwater has historically been encountered at the site at depths ranging from approximately 40 to 45 feet below grade.

Based upon the regional groundwater flow direction identified by Woodward-Clyde Consultants in a report titled, "Hydrogeology of Central San Leandro and Remedial Investigation of Regional Groundwater Contamination - San Leandro Plume - San Leandro, California - Volume I," prepared for the California Environmental Protection Agency and dated December 29, 1993 the regional groundwater flow direction to the west of the site appears to be to the southwest. However, based upon the measured depth to water in the five wells at the site on September 29, 1992 Aegis identified a northwesterly groundwater flow direction. Based upon water level measurements collected by P&D from the five wells at the site on February 18, July 5, and October 12, 1994, February 1, and May 4, 1995 the groundwater flow direction at the site was calculated to be to the north, towards San Leandro Creek. Based upon water level measurements collected in wells MW1 through MW8 by P&D personnel on June 23 and December 19, 1995, March 28 and June 21, 1996 the groundwater flow direction was calculated to be to the northwest.

Since the previous quarterly monitoring on August 31, 2005, groundwater elevations have decreased in all of the wells by amounts ranging from 0.32 to 0.50 feet, except in well MW1, where the elevation increased by 0.50 feet. Based on the measured water levels in the wells, the groundwater flow direction on November 14, 2005 was to the northwest with a gradient of 0.055.

The northwesterly groundwater flow direction has remained relatively unchanged and the gradient has increased from 0.050 since the previous water level measurements on August 31, 2005. The groundwater monitoring data are presented in Table 1. The groundwater flow direction at the site on November 14, 2005 is shown on Figure 2.

LABORATORY RESULTS

All of the groundwater samples collected from the monitoring wells were analyzed for TPH-G using Modified EPA Method 8015C and for Volatile Organic Compounds (VOCs), including fuel oxygenates and lead scavengers using EPA Method 8260B in accordance with a request from Ms. Eva Chu of the ACDEH.

The laboratory analytical results for the groundwater samples from wells MW2, MW3 and MW4 show that TPH-G was detected at concentrations of 42, 0.21, and 0.13 mg/L, respectively. TPH-G was not detected in any of the other wells. MTBE was detected in wells MW1, MW2, MW3, MW4, MW5 and MW6 at concentrations of 0.049, 2, 1.5, 1.7, 0.00051, and 0.00073 mg/L, respectively. MTBE was not detected in wells MW7 and MW8.

BTEX compounds were not detected in any of the wells with the exception of well MW2 where concentrations ranged from 1.5 to 6.3 mg/L. No fuel oxygenates or lead scavengers other than MTBE were detected in any of the groundwater samples.

In well MW2, isopropylbenzene, 1,2,4-trimethylbenzene, naphthalene, n-propyl benzene, and 1,3,5-trimethylbenzene were detected at concentrations of 0.051, 1.1, 0.29, 0.13 and 0.22 mg/L, respectively. None of these compounds were detected in any of the other wells. Chloroform was detected in wells MW5, MW6, MW7 and MW8 at concentrations of 0.00063, 0.00067, 0.00082 and 0.00094 mg/L, respectively. Tetrachloroethene (PCE) was detected in wells MW7 and MW8 at concentrations of 0.0005 and 0.0068 mg/L, respectively. Chloroform and PCE were not detected in any of the other wells.

Since the previous sampling event on August 31, 2005, TPH-G concentrations have increased in well MW4, decreased in wells MW2 and MW3, and remained not detected in the remaining wells. MTBE concentrations have decreased in wells MW1, MW2 and MW3, MW5 and MW6, increased in well MW4, and remained not detected in wells MW7 and MW8. The benzene concentration decreased in well MW2 and remained not detected in all other wells.

The laboratory analytical results are summarized in Table 2. Copies of the laboratory analytical report and chain of custody documentation are attached with this report.

DISCUSSION AND RECOMMENDATIONS

Based on the depth to water measurements on November 14, 2005 for monitoring wells MW4, MW6, MW7, and MW8, the groundwater flow direction at the subject site has remained northwesterly and the gradient has increased since the previous monitoring and sampling event on August 31, 2005.

Since the previous sampling event, TPH-G concentrations have decreased in wells MW2 and MW3, increased in well MW4, and remained not detected in the remaining wells. MTBE concentrations have decreased in wells MW1, MW2, MW3, MW5 and MW6, increased in well MW4, and remained not detected in the remaining wells. The benzene concentration decreased in well MW2 and remained not detected in all other wells. No fuel oxygenates or lead scavengers other than MTBE were detected in any of the groundwater samples.

The near-detection limit concentrations of halogenated volatile organic compounds detected in wells MW5 through MW8 are consistent with historic results detected in these wells and are interpreted to be associated with sources not related to the subject site.

Based on the sample results P&D recommends that the quarterly groundwater monitoring and sampling program be continued.

DISTRIBUTION

A copy of this report should be forwarded to Mr. Amir Gholami at the ACDEH.

LIMITATIONS

This report was prepared solely for the use of Mr. Manmohan Chopra. The content and conclusions provided by P&D in this assessment are based on information collected during our

investigation, which may include, but not be limited to, visual site inspections; interviews with the site owner, regulatory agencies and other pertinent individuals; review of available public documents; subsurface exploration and our professional judgment based on said information at the time of preparation of this document. Any subsurface sample results and observations presented herein are considered to be representative of the area of investigation; however, geological conditions may vary between borings and pits and may not necessarily apply to the general site as a whole. If future subsurface or other conditions are revealed which vary from these findings, the newly revealed conditions must be evaluated and may invalidate the findings of this report.

This report is issued with the understanding that it is the responsibility of the owner, or his representative, to ensure that the information contained herein is brought to the attention of the appropriate regulatory agencies, where required by law. Additionally, it is the sole responsibility of the owner to properly dispose of any hazardous materials or hazardous wastes left onsite, in accordance with existing laws and regulations.

This report has been prepared in accordance with generally accepted practices using standards of care and diligence normally practiced by recognized consulting firms performing services of a similar nature. P&D is not responsible for the accuracy or completeness of information provided by other individuals or entities, which is used in this report. This report presents our professional judgment based upon data and findings identified in this report and interpretation of such data based upon our experience and background, and no warranty, either express or implied, is made. The conclusions presented are based upon the current regulatory climate and may require revision if future regulatory changes occur.

Should you have any questions, please do not hesitate to contact us at (510) 658-6916.

Sincerely,

P&D Environmental, Inc.

Paul H. King

President

Professional Geologist #5901

1 and H. King

Expires: 12/31/05

Attachments: Tables 1 & 2

Site Location Map (Figure 1) Site Vicinity Map (Figure 2) Field Parameter Forms

Laboratory Analytical Reports Chain of Custody Documentation

PHK/efo 0055.R25

TABLE 1 WELL MONITORING DATA

Well	Date	Top of Casing	Depth to	Water Table
No.	Monitored	Elevation (ft.)	Water (ft.)	Elevation (ft.)
MW1	11/14/05	Not Available	39.77	Not Available
141 44 1	8/31/05	Not Available	39.27	Not Available
	6/22/05	Not Available	37.91	Not Available
	2/09/05	Not Available	38.02	Not Available
	8/31/04	Not Available	40.35	Not Available
	6/03/04	Not Available	39.59	Not Available
	2/20/04	Not Available	38,45	Not Available
	11/25/03	Not Available	40.00	Not Available
	7/15/03	Not Available	39.60	Not Available
	4/16/03	Not Available	38.91	Not Available
	1/20/03	Not Available	38.21	Not Available
	2/16/99	Not Available	34.58	Not Available
	1/25/98	Not Available	33.70	Not Available
	7/14/97	Not Available	39.45	Not Available
	3/11/97	87.98+	36.90	51.08
	6/21/96	2.75	38,56	49.42
	3/28/96		37.10	50.88
	12/19/95		40.16	47.82
	6/23/95		38.54	49,44
	5/04/95	87.96++	37.65	50,33
	2/01/95		38.46	49.52
	10/12/94		42.01	45.97
	7/05/94		41.36	46.62
	2/18/94		41.02	46.96
	9/29/92		42.77	45.21

NOTES:

ft. = Feet.

⁺ = Indicates survey data provided by Kier & Wright dated June 26, 1995.

^{++ =} Indicates survey data provided by Aegis Environmental

Well No.	Date Monitored	Top of Casing Elevation (ft.)	Depth to Water (ft.)	Water Table Elevation (ft.)
MW2	11/14/05	86.61+	38.50	48.11
	8/31/05		38.00	48.61
	6/22/05		36.76	49.85
	2/10/05		37.15	49.46
	8/31/04		39.07	47.54
	6/03/04		38.32	48.29
	2/20/04		37.27	49.34
	11/25/03		38.68	47.93
	7/15/03		38.15	48.46
	4/16/03		37.50	49.11
	1/20/03		37.04	49.57
	2/16/99		33,51	53.10
	1/25/98		32.80	53.81
	7/14/97		38.46	48.15
	3/11/97		35.71	50.90
	6/21/96		37,30	49,31
	3/28/96		35.97	50.64
	12/19/95		38.80	47.81
	6/23/95		37.40	49.21
	5/04/95	86,60++	36.54	50.07
	2/01/95		3 7.27	49.34
	10/12/94		40.77	45.84
	7/05/94		40.13	46.48
	2/18/94		39,81	46,80
	9/29/92		41.55	45.06

NOTES:

ft. = Feet.

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^{++ =} Indicates survey data provided by Aegis Environmental

Well No.	Date Monitored	Top of Casing Elevation (ft.)	Depth to Water (ft.)	Water Table Elevation (ft.)
MW3	11/14/05	87.48+	41.51	45.97
171 1117	8/31/05		41.12	46.36
	6/22/05		39.78	47.70
	2/10/05		40.11	47.37
	8/31/04		42.03	45.45
	6/03/04		41.34	46.14
	2/20/04		40.23	47.25
	11/25/03		41.70	45.78
	7/15/03		41.34	46.14
	4/16/03		40.60	46,88
	1/20/03		39.81	47.67
	2/16/99		34.91	52.57
	1/25/98		33.91	53.57
	7/14/97		40.61	46.87
	3/11/97		38.71	48.77
	6/21/96		40.61	46.87
	3/28/96		38.75	48.73
	12/19/95		42.20	45.28
	6/23/95		40.65	46.83
	5/04/95	87.50++	39.61	47.87
	2/01/95		40.13	47.35
	10/12/94		43.92	43.56
	7/05/94		43.32	44.16
	2/18/94		43.09	44.39
	9/29/92		44.60	42.88*

NOTES:

 $ft_{\cdot} = Feet_{\cdot}$

^{+ =} Indicates survey data provided by Kier & Wright dated June 26, 1995.

^{++ =} Indicates survey data provided by Aegis Environmental, Inc.

^{** =} Indicates depth to water measurements prior to groundwater monitoring well development.

Well No.	Date Monitored	Top of Casing Elevation (ft.)	Depth to Water (ft.)	Water Table Elevation (ft.)
MW4	11/14/05	86,21+	38.26	47.95
107.44.4	8/31/05	* - 1	37.81	48.40
	6/22/05		36.54	49.67
	2/10/05		36.99	49.22
	8/31/04		38.68	47.53
	6/03/04		38.01	48.20
	2/20/04		36.91	49,30
	11/25/03		38.43 38.04	47.78
	7/15/03			48.17
	4/16/03		37.32	48.89
	1/20/03		36.70	49.51
	2/16/99		33.43	52,78
	1/25/98		32.96	53.25
	7/14/97		38.10	48.11
	3/11/97		33.24	52.97
	6/21/96		37,12	49.09
	3/28/96		35,00	51.21
	12/19/95		38,45	47.76
	6/23/95		37.40	48.81
	5/04/95	86,20++	36.33	49.88
	2/01/95	00,2011	36.96	49.25
			40.48	45.73
	10/12/94		39.69	46.52
	7/05/94		39.36	46.85
	2/18/94 9/29/92		44.29	41.92

NOTES:

ft = Feet.

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^{++ =} Indicates survey data provided by Aegis Environmental, Inc.

Well No.	Date Monitored	Top of Casing Elevation (ft.)	Depth to Water (ft.)	Water Table Elevation (ft.)
MW5	11/14/05	89.10+	41.11	47.99
171110	8/31/05		40,68	48.42
	6/22/05		39.28	49.82
	2/09/05		39.49	49.61
	8/31/04		41.75	47.35
	6/03/04		40.95	48.15
	2/20/04		39.69	49.41
	11/25/03		41.41	47.69
	7/15/03		41.06	48.04
	4/16/03		39.92	49.18
	1/20/03		39.50	49.60
	2/16/99		35.08	54.02
	1/25/98		34.08	55.02
	7/14/97		41.20	47.90
	3/11/97		38.02	51,08
	6/21/96		40.03	49.07
	3/28/96		38,30	50.80
	12/19/95		41.79	47.31
	6/23/95		39.87	49.23
	5/04/95	89.06++	38.94	50.16
	2/01/95	3 2.00	39.94	49.16
	10/12/94		43.81	45.29
	7/05/94		43.08	46.02
	2/18/94		42.88	46.22
	9/29/92		44.53	44.57

NOTES:

 $[\]mathbf{ft}$. = Feet.

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^{++ =} Indicates survey data provided by Aegis Environmental, Inc.

Well	Date	Top of Casing	Depth to	Water Table
No.	Monitored	Elevation (ft.)	Water (ft.)	Elevation (ft.)
MW6	11/14/05	84.02+	38.83	45.19
1,1,1,0	8/31/05		38.51	45.51
	6/22/05		37.30	46.72
	2/09/05		37,51	46.51
	8/31/04		39.27	44.75
	6/03/04		38.64	45.38
	2/20/04		37.61	46.41
	11/25/03		38.97	45,05
	7/15/03		38.61	45.41
	4/16/03		38.00	46.02
	1/20/03		37.21	46.81
	2/16/99		32.82	51.20
	1/25/98		31.64	52.38
	7/14/97		39.04	44.98
	3/11/97		36.32	47.70
	6/21/96		38.00	46,02
	3/28/96		36.18	47.84
	12/19/95		39.25	44.77
	6/23/95		38.17	45.85
	6/21/95**		38.11	45.91

NOTES:

ft. = Feet.

^{+ =} Indicates survey data provided by Kier & Wright dated June 26, 1995.

^{++ =} Indicates survey data provided by Aegis Environmental, Inc.

^{** =} Indicates depth to water measurements prior to groundwater monitoring well development.

Well No.	Date Monitored	Top of Casing Elevation (ft.)	Depth to Water (ft.)	Water Table Elevation (ft.)
MW7	11/14/05	87.11+	41.48	45.93
1.1 ()	8/31/05		41.16	45.95
	6/22/05		39.85	47.26
	2/09/05		40.03	47.08
	8/31/04		41.94	45.17
	6/03/04		41,33	45.78
	2/20/04		40.21	46.90
	11/25/03		41.68	45.43
	7/15/03		41.30	45.81
	4/16/03		40,63	46,48
	1/20/03		39.77	47.34
	2/16/99		34.59	52.52
	1/25/98		33,47	53.64
	7/14/97		41.97	45.14
	3/11/97		38.96	48,15
	6/21/96		40.80	46.31
	3/28/96		38.94	48.17
			42.26	44,85
	12/19/95		41.00	46.11
	6/23/95 6/21/95**		40.30	46.81

NOTES:

ft. = Feet.

^{+ =} Indicates survey data provided by Kier & Wright dated June 26, 1995.

^{** =} Indicates depth to water measurements prior to groundwater monitoring well development

Well No.	Date Monitored	Top of Casing Elevation (ft.)	Depth to Water (ft.)	Water Table Elevation (ft.)
MW8	11/14/05	89.70+	40.40	49.30
	8/31/05		39.95	49.75
	6/22/05		38.43	51.27
	2/09/05		38.93	50.77
	8/31/04		41.19	48.51
	6/03/04		40.36	49.34
	2/20/04		39.15	50.55
	11/25/03		40.92	48.78
	7/15/03		40,50	49.20
	4/16/03		39.52	50.18
	1/20/03		38.94	50.76
	2/16/99		33.92	55.78
	1/25/98		32.73	56.97
	7/14/97		39.98	49.72
	3/11/97		36.74	52.96
	6/21/96		38.69	51.01
	3/28/96		36.98	52.72
	12/19/95		40.35	49.35
	6/23/95		38,36	51.34
	6/21/95**		38.20	51.50

NOTES:

Elevations are in feet above Mean Sea Level.

Ft. = Feet.

^{+ =} Indicates survey data provided by Kier & Wright dated June 26, 1995.

^{** =} Indicates depth to water measurements prior to groundwater monitoring well development.

TABLE 2 GROUNDWATER LABORATORY ANALYTICAL RESULTS (MW1)

Date	TPH-G	MTBE	Benzene	Toluene	Ethyl- benzene	Total Xylenes	Other VOCs by EPA 8260
11/14/05	ND<0.05	0.049	ND<0.0005	ND<0.0005	ND<0.0005	ND<0.0005	ND<0.0005
08/31/05	ND<0.05	0.14	ND<0.0025	ND<0.0025	ND<0.0025	ND<0.0025	ND
06/22/05	ND<0.05	0.32	ND<0.005	ND<0,005	ND<0.005	ND<0.005	ND

NOTES:

TPH-G = Total Petroleum Hydrocarbons as Gasoline.

MTBE = Methyl Tert Butyl Ether.

VOCs = Volatile Organic Compounds

ND = Not Detected.

TABLE 2 (Continued) GROUNDWATER LABORATORY ANALYTICAL RESULTS (MW1 Continued)

Date	ТРН-С	MTBE	Benzene	Toluene	Ethyl- benzene	Total Xylenes	Other VOCs by EPA 8260
02/09/05	0.13	0.79	ND<0.01	ND<0.01	ND<0.01	ND<0.01	ND
08/31/04	ND<0.05	0.031	ND<0.0005	ND<0.0005	ND<0.0005	ND<0.0005	ND
06/03/04	0.059	0.13	ND<0.0025	ND<0.0025	ND<0.0025	ND< 0.0025	ND
02/20/04	0.22	0.18	0.0085	ND<0.005	ND<0.005	0.0025	ND
11/25/03	0.140	0.032	0.0025	ND<0.001	ND<0.001	ND<0.001	ND
07/15/03	0.060	0.053	ND<0.001	ND<0.001	ND<0.001	ND<0.001	ND, except t-Butyl Alcohol (TBA) = 0.012
04/17/03	0.052	0.056	0.0011	ND<0.001	ND<0.001	ND<0.001	ND, except t-Butyl Alcohol (TBA) = 0.013
01/20/03	0.17	0.085	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND
02/17/99	0.97	0.29	0.067	0.12	0.0093	0.058	
01/25/98	0.30	ND<0.014	0.021	0.00073	0.0076	0.0010	
01/25/98 07/14/97	0.30 0.20	ND<0.014 0.035	0.021 0.020	0,00073 0,0055	0.0076 0.0012	0.0010 0.0023	
07/14/97	0.20	0.035	0.020	0.0055	0.0012	0.0023	
07/14/97 03/11/97	0.20 0.60	0.035 0.014	0.020 0.053	0.0055 0.00095	0.0012 0.003	0.0023 0.0015 0.0098 0.0046	
07/14/97 03/11/97 06/21/96	0.20 0.60 1.4	0.035 0.014 0.019	0.020 0.053 0.30	0.0055 0.00095 0.0087	0.0012 0.003 0.033	0.0023 0.0015 0.0098	
07/14/97 03/11/97 06/21/96 03/28/96	0.20 0.60 1.4 1.3	0.035 0.014 0.019 0.022	0.020 0.053 0.30 0.32	0.0055 0.00095 0.0087 0.0023	0.0012 0.003 0.033 0.034	0.0023 0.0015 0.0098 0.0046 0.0035	
07/14/97 03/11/97 06/21/96 03/28/96 12/19/95	0.20 0.60 1.4 1.3 0.50	0.035 0.014 0.019 0.022 0.0081	0.020 0.053 0.30 0.32	0.0055 0.00095 0.0087 0.0023	0.0012 0.003 0.033 0.034	0.0023 0.0015 0.0098 0.0046 0.0035	
07/14/97 03/11/97 06/21/96 03/28/96 12/19/95 06/23/95	0.20 0.60 1.4 1.3 0.50 Not	0.035 0.014 0.019 0.022 0.0081 Sampled	0.020 0.053 0.30 0.32 0.087	0.0055 0.00095 0.0087 0.0023 0.0015	0.0012 0.003 0.033 0.034 0.011 0.076 0.23	0.0023 0.0015 0.0098 0.0046 0.0035	
07/14/97 03/11/97 06/21/96 03/28/96 12/19/95 06/23/95 05/4/95	0.20 0.60 1.4 1.3 0.50 Not 2.4	0.035 0.014 0.019 0.022 0.0081 Sampled	0.020 0.053 0.30 0.32 0.087	0.0055 0.00095 0.0087 0.0023 0.0015	0.0012 0.003 0.033 0.034 0.011 0.076 0.23 0.10	0.0023 0.0015 0.0098 0.0046 0.0035 0.0060 0.030 0.020	
07/14/97 03/11/97 06/21/96 03/28/96 12/19/95 06/23/95 05/4/95 02/01/95	0.20 0.60 1.4 1.3 0.50 Not 2.4 4.6	0.035 0.014 0.019 0.022 0.0081 Sampled	0.020 0.053 0.30 0.32 0.087 0.67	0.0055 0.00095 0.0087 0.0023 0.0015 0.0028 0.0099	0.0012 0.003 0.033 0.034 0.011 0.076 0.23	0.0023 0.0015 0.0098 0.0046 0.0035	

NOTES:

TPH-G = Total Petroleum Hydrocarbons as Gasoline.

MTBE = Methyl Tert Butyl Ether.

VOCs = Volatile Organic Compounds

ND = Not Detected.

-- = Sample not analyzed for this compound during this sampling event.

TABLE 2 (Continued) GROUNDWATER LABORATORY ANALYTICAL RESULTS (MW2)

Date	ТРН-С	MTBE	Benzene	Toluene	Ethyl- benzene	Total Xylenes	Other VOCs by EPA 8260
11/14/05	42	2	4.5	2.1	1.5	6.3	ND, except Isopropylbenzene = 0.051 1,2,4-Trimethylbenzene = 1.1 Naphthalene = 0.29 n-Propyl benzene = 0.13 1,3,5-Trimethylbenzene = 0.22
08/31/05	43	3.6	5.8	2.3	2.3	8.3	ND, except 1,2,4-Trimethylbenzene = 1.9 Naphthalene = 0.65 n-Propyl benzene = 0.26 1,3,5-Trimethylbenzene = 0.43
06/22/05	37	3.9	5.5	1.4	2.5	8.6	ND, except 1,2,4-Trimethylbenzene = 1.5 Naphthalene = 0.33 n-Propyl benzene = 0.22 1,3,5-Trimethylbenzene = 0.32
02/10/05	46	5.6	5.8	3.6	1.8	7.9	ND, except 1,2,4-Trimethylbenzene = 1.3 Naphthalene = 0.30 n-Propyl benzene = 0.13 1,3,5-Trimethylbenzene = 0.29

NOTES:

TPH-G = Total Petroleum Hydrocarbons as Gasoline.

MTBE = Methyl Tert Butyl Ether.

VOCs = Volatile Organic Compounds

ND = Not Detected.

TABLE 2 (Continued) GROUNDWATER LABORATORY ANALYTICAL RESULTS (MW2 Continued)

Date	TPH-G	MTBE	Benzene	Toluenc	Ethyl- benzene	Total Xylenes	Other VOCs by EPA 8260
08/31/04	43	2.7	4.4	2.3	2.3	8.2	ND, except Isopropylbenzene = 0.061 1,2,4-Trimethylbenzene = 1.9 Naphthalene = 0.57 n-Propyl benzene = 0.20 1,3,5-Trimethylbenzene = 0.4
06/03/04	50	3.9	5.4	4.2	2.2	8.8	ND, except Naphthalene = 0.36 n-Propyl benzene = 0.14 1,2,4-Trimethylbenzene = 1.3 1,3,5-Trimethylbenzene = 0.3
02/20/04	61	2.7	5.9	3.5	2.4	10	ND, except tert-Butyl benzene = 0.15 Naphthalene = 0.23 n-Propyl benzene = 0.15 1,2,4-Trimethylbenzene = 1.3 1,3,5-Trimethylbenzene = 0.33
11/25/03	65	2.7	6.8	8.8	2.9	16	ND, except Naphthalene = 0.54 1,2,4-Trimethylbenzene = 1.8 1,3,5-Trimethylbenzene = 0.42
07/15/03	78	4.1	3.3	4.4	1.8	9.3	ND, except Naphthalene = 0.29 1,2,4-Trimethylbenzene = 1.3 1,3,5-Trimethylbenzene = 0.32 n-Propyl benzene = 0.15
04/17/03	57	5.6	3.4	5.1	2.8	10	ND, except Naphthalene = 0.43 1,2,4-Trimethylbenzene = 2.2 n-Propyl benzene = 0.26 1,3,5-Trimethylbenzene = 0.55

NOTES:

TPH-G = Total Petroleum Hydrocarbons as Gasoline.

MTBE = Methyl Tert Butyl Ether.

VOCs = Volatile Organic Compounds

ND = Not Detected.

TABLE 2 (Continued) GROUNDWATER LABORATORY ANALYTICAL RESULTS (MW2 Continued)

Date 01/20/03	TPH-G 48	MTBE 3.8	Benzene 2.9	Toluene 3.0	Ethylbenzene 2.0	Total Xylenes 11	Other VOCs by EPA 8260 ND, except Naphthalene = 0.35 1,2,4-Trimethylbenzene = 1.4 1,3,5-Trimethylbenzene = 0.32 Isopropylbenzene = 0.069 n-Propyl benzene = 0.16
02/17/99	7.3	0.29	0.067	0.12	0.0093	0.058	
01/25/98	24	2.7	2.7	4.9	0.70	4.0	
07/14/97	43	1.6	6.2	8.9	1.5	7.4	
03/11/97	28	0.71	4.0	4.5	0.99	4.3	
06/21/96	49	0.53	6.6	6.3	1.4	6.2	
03/28/96	38	0.45	5.8	4.7	1.1	5.1	
12/19/95	25	0,45	5.2	3.8	0.86	3.8	
06/23/95	Not Sampled						
05/4/95	63		10	11	1.6	8.8	
02/01/95	45		7.0	5.1	1.2	6.1	n=
10/12/94	24		4.4	2.8	0.73	3,5	
07/05/94	46		9.1	7.0	1.4	7.3	
09/29/92	20		4.6	3.8	0.26	3.3	

NOTES:

TPH-G = Total Petroleum Hydrocarbons as Gasoline.

MTBE = Methyl Tert Butyl Ether.

VOCs = Volatile Organic Compounds

ND = Not Detected.

-- = Sample not analyzed for this compound during this sampling event.

TABLE 2 (Continued) GROUNDWATER LABORATORY ANALYTICAL RESULTS (MW3)

Date	ТРН-G	MTBE	Benzene	Toluene	Ethyl- benzene	Total Xylenes	Other VOCs by EPA 8260
11/14/05	0.21,a	1.5	ND<0.025	ND<0.025	ND<0.025	ND<0.025	ND
08/31/05	0.49,a,b	2.5	ND<0.050	ND<0.050	ND<0.050	ND<0.050	ND
06/22/05	3.9	5.6	ND<0.10	ND<0.10	ND<0.10	0.69	ND, except 1,2,4- Trimethylbenzene = 0.36

NOTES:

TPH-G = Total Petroleum Hydrocarbons as Gasoline.

MTBE = Methyl Tert Butyl Ether.

VOCs = Volatile Organic Compounds

ND = Not Detected.

a = No recognizable pattern.

b = Heavier gasoline range compounds are significant (aged gasoline?)

TABLE 2 (Continued) GROUNDWATER LABORATORY ANALYTICAL RESULTS (MW3 Continued)

Date	TPH-G	МТВЕ	Benzene	Toluene	Ethyl- benzene	Total Xylenes	Other VOCs by EPA 8260
02/10/05	1.0	2.7	ND<0.050	ND<0.050	ND<0.050	0.27	ND, except t-butyl alcohol = 0.83
08/31/04	0.11	0.86	ND<0.0005	ND<0.0005	ND<0.0005	ND<0.0005	ND
06/03/04	0.11,a	1.4	ND<0.050	ND<0.050	ND<0.050	ND<0.050	ND
02/20/04	0.090	0.73	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND
11/25/03	0.11	0.33	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND
07/15/03	0.16	0.66	ND<0.0012	ND<0.0012	ND<0.0012	ND<0.0012	ND
04/17/03	0,18	0.34	ND<0.0005	ND<0.0005	ND<0.0005	ND<0.0005	ND
01/20/03	0.12	0.25	ND<0.005	ND<0.005	ND<0.005	0.0052	ND
02/17/99	ND	0.29	0.067	0.12	0.0093	0.058	
01/25/98	0.49	0.71	0.0079	0.0061	0.0053	0.029	
07/14/97	0.40	0.11	0.00093	0.010	0.0013	0.00068	
03/11/97	1.1	0.68	0.053	0.013	0.063	0.017	
06/21/96	1.3	0.3	0.094	0.0021	0.039	0.002	
03/28/96	4.6	1.1	1.4	0.012	0.17	0.020	
12/19/95	0.95	0.12	0.16	0.0023	0.015	0.0016	
06/23/95	Not Sampled						
05/4/95	7.2		3.1	0.038	0.20	0.062	
02/01/95	11		4.2	0.031	0.33	0.29	
10/12/94	1.7		0.39	0.00090	0.018	0.0057	
07/05/94	3.6		1.6	0.0083	0.076	0.047	##
09/29/92	Not Sampled						

NOTES:

TPH-G = Total Petroleum Hydrocarbons as Gasoline.

MTBE = Methyl Tert Butyl Ether.

VOCs = Volatile Organic Compounds

ND = Not Detected.

-- = Sample not analyzed for this compound during this sampling event,

b = heavier gasoline range compounds are significant (aged gasoline?)

c = lighter gasoline range compounds (the most notable faction) are significant Results are reported in milligrams per liter (mg/L), unless otherwise specified.

TABLE 2 (Continued) GROUNDWATER LABORATORY ANALYTICAL RESULTS (MW4)

Date	TPH-G	MTBE	Benzene	Toluene	Ethyl- benzene	Total Xylenes	Other VOCs by EPA 8260
11/14/05	0.13	1.7	ND<0.05	ND<0.05	ND<0.05	ND<0.05	ND
08/31/05	0.064	1.5	ND<0.025	ND<0.025	ND<0.025	ND<0.025	ND
06/22/05	0.059	1.0	ND<0.025	ND<0.025	ND<0.025	ND<0.025	ND
02/10/05	0.39	6.6	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND
08/31/04	ND<0.250	3.9	ND<0.0005	ND<0.0005	ND<0.0005	ND<0.0005	ND
06/03/04	0.32	6.2	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND
02/20/04	ND<0.25,a	6.6	ND<0.1	ND<0.1	ND<0.1	ND<0.1	ND
11/25/03	ND<1.0,a	8.8	ND<0.25	ND<0.25	ND<0.25	ND<0.25	ND
07/15/03	0.44	6.8	ND<0.12	ND<0.12	ND<0.12	ND<0.12	ND _
04/17/03	0.38	5.4	ND<0.12	ND<0.12	ND<0.12	ND<0.12	ND
01/20/03	0.21	3.0	ND<0.05	ND<0.05	ND<0.05	ND<0.05	ND
02/17/99	0.23	0.20	0.065	0.0022	0.0096	0.033	
01/25/98	0.91	0.23	0.15	0.019	0.31	0.14	
07/14/97	0.98	0.40	0.21	0.0017	0.090	0.046	**
03/11/97	3.8	1.1	1.1	0.053	0.24	0.26	
06/21/96	11	1.2	2.4	0.083	0.53	0.91	
03/28/96	5,6	0.64	1.4	0.038	0.31	0,30	
12/19/95	2.0	0.21	0.70	0.029	0.089	0.15	
06/23/95	Not	Sampled					
05/4/95	3.3		0.89	0.068	0.15	0.30	
02/01/95	1.4		0.39	0.055	0.049	0.18	
10/12/94	0.68		0.14	0.0087	0.014	0.052	
07/05/94	2.6		0.47	0.045	0.084	0.25	
09/29/92	0,63		0.17	0.06	0.0073	0.65	

NOTES:

TPH-G = Total Petroleum Hydrocarbons as Gasoline.

MTBE = Methyl Tert Butyl Ether.

VOCs = Volatile Organic Compounds

ND = Not Detected.

-- = Sample not analyzed for this compound during this sampling event.

A = Laboratory Report Note: reporting limit raised due to high MTBE content

TABLE 2 (Continued) GROUNDWATER LABORATORY ANALYTICAL RESULTS (MW5)

Date	TPH-G	MTBE	Benzene	Toluene	Ethyl- benzene	Total Xylenes	Other VOCs by EPA 8260
11/14/05	ND<0.05	0.00051	ND<0.0005	ND<0.0005	ND<0.0005	ND<0.0005	ND, except Chloroform = 0.00063
08/31/05	ND<0.05	0.0027	ND<0.0005	ND<0.0005	ND<0.0005	ND<0.0005	ND, except Chloroform = 0.00063
06/22/05	ND<0.05	0.0022	ND<0.0005	ND<0.0005	ND<0.0005	ND<0.0005	ND, except Chloroform = 0.00052
02/09/05	ND<0.05	ND<0.0005	ND<0.0005	ND<0.0005	ND<0.0005	ND<0.0005	ND
08/31/04	ND<0.05	0.0025	ND<0.0005	ND<0.0005	ND<0.0005	ND<0.0005	ND
06/03/04	ND<0.05	0.0072	ND<0.001	ND<0.001	ND<0.001	ND<0.001	ND<0.001
02/20/04	ND<0.05	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND
11/25/03	ND<0.05	0.00084	ND<0.001	ND<0.001	ND<0.001	ND<0.001	ND
07/15/03	ND<0.05	0.0014	ND<0.0005	ND<0.0005	ND<0.0005	ND<0.0005	ND
04/17/03	ND<0.05	ND<0.0005	ND<0.0005	ND<0.0005	ND<0.0005	ND<0.0005	ND
01/20/03	ND<0.05	ND<0.0005	ND<0.0005	ND<0.0005	ND<0.0005	ND<0.0005	ND
02/17/99	0.17	ND	ND	0.00074	ND	ND	
01/25/98	ND	ND	ND	ND	ND	ND	
07/14/97	ND	ND	ND	ND	ND	ND	
03/11/97	ND	ND	ND	ND	ND	0.00077	
06/21/96	ND	ND	ND	ND	ND	ND	
03/28/96	ND	ND	ND	ND	ND	ND	
12/19/95	ND	ND	ND	ND	ND	ND	
06/23/95	Not	Sampled					
05/4/95	ND		ND	ND	ND	ND	
02/01/95	ND		ND	ND	ND	ND	
10/12/94	ND		ND	ND	ND	ND	
07/05/94	ND		ND	ND	ND	0.0010	
09/29/92	0.06		10	0.0071	ND	0.0069	***

NOTES:

TPH-G = Total Petroleum Hydrocarbons as Gasoline.

MTBE = Methyl Tert Butyl Ether.

VOCs = Volatile Organic Compounds

ND = Not Detected.

-- = Sample not analyzed for this compound during this sampling event.

TABLE 2 (Continued) GROUNDWATER LABORATORY ANALYTICAL RESULTS (MW6)

Date	ТРН-G	MTBE	Benzene	Toluene	Ethyl- benzene	Total Xylenes	Other VOCs by EPA 8260
11/14/05	ND<0.05	0.00073	NTD<0.0005	ND<0,0005	ND<0.0005	ND<0.0005	ND, except Chloroform = 0.00067,
08/31/05	ND<0.05	0.0014	ND<0.0005	ND<0.0005	ND<0.0005	ND<0.0005	Tetrachioroethene = 0.0005 ND, except Chloroform = 0.00062

NOTES:

TPH-G = Total Petroleum Hydrocarbons as Gasoline.

MTBE = Methyl Tert Butyl Ether.

VOCs = Volatile Organic Compounds

ND = Not Detected.

TABLE 2 (Continued) GROUNDWATER LABORATORY ANALYTICAL RESULTS (MW6 Continued)

Date	ТРН-G	MTBE	Benzene	Toluene	Ethyl- benzene	Total Xylenes	Other VOCs by EPA 8260
06/22/05	ND<0.05	0.00080	ND<0.0005	ND<0.0005	ND<0.0005	ND<0.0005	ND, except Tetrachloroethene = 0.00053
02/09/05	ND<0.05	0.002	ND<0.0005	ND<0.0005	ND<0.0005	ND<0.0005	ND, except Chloroform = 0.00059
08/31/04	ND<0.05	0.00051	ND<0.0005	ND<0.0005	ND<0.0005	ND<0.0005	ND, except Chloroform = 0.00084 Tetrachloroethene=0.00051
06/03/04	ND<0.05	ND<0.001	ND<0.001	ND<0.001	ND<0.001	ND<0.001	ND<0.001
02/20/04	ND<0.05	0.0011	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND
11/25/03	ND<0.05	0.00084	ND<0.001	ND<0.001	ND<0.001	ND<0.001	ND, except Chloroform = 0.00089
07/15/03	ND<0.05	ND<0.0005	ND<0.0005	ND<0.0005	ND<0.0005	ND<0.0005	ND, except Chloroform = 0.00084 1,2-Dibromo- 3-chloropropane = 0.00066 Tetrachloroethene = 0.00067
04/17/03	ND<0.05	ND<0.0005	ND<0.0005	ND<0.0005	ND<0.0005	ND<0.0005	ND, except Chloroform = 0.0012
01/20/03	ND<0.05	0.0012	ND<0.0005	ND<0.0005	ND<0.0005	ND<0.0005	ND, except Chloroform = 0.0011
02/17/99	ND	ND	ND	ND	ND	ND	
01/25/98	ND	ND	ND	ND	ND	ND	••
07/14/97	ND	0.019	ND	ND	ND	ND	
03/11/97	ND	ND	ND	ND	ND	ND	
06/21/96	ND	ND	ND	ND	ND	ND	
03/28/96	ND	ND	ND	ND	ND	ND	
12/19/95	ND	0.01	ND	ND	ND	ND	
06/23/95	ND	0.003	ND	ND	ND	ND	- D

NOTES:

TPH-G = Total Petroleum Hydrocarbons as Gasoline.

MTBE = Methyl Tert Butyl Ether.

VOCs = Volatile Organic Compounds

ND = Not Detected.

-- = Sample not analyzed for this compound during this sampling event.

TABLE 2 (Continued) GROUNDWATER LABORATORY ANALYTICAL RESULTS (MW7)

Date	TPH-G	MTBE	Benzene	Toluene	Ethyl- benzene	Total Xylenes	Other VOCs by EPA 8260
11/14/05	ND<0.05	ND<0.0005	ND<0.0005	ND<0.0005	ND<0.0005	ND<0.0005	ND, except Chloroform = 0.00082 Tetrachlorocthene = 0.0068
08/31/05	ND<0.05	ND<0.0005	ND<0.0005	ND<0.0005	ND<0.0005	ND<0.0005	ND, except Chloroform = 0.0011
06/22/05	ND<0.05	ND<0.0005	ND<0.0005	ND<0.0005	ND<0.0005	ND<0.0005	ND, except Tetrachloroethene = 0.0016
02/09/05	ND<0.05	ND<0.0005	ND<0.0005	ND<0.0005	ND<0.0005	ND<0.0005	ND, except Chloroform = 0.00064 Tetrachloroethene = 0.0025

NOTES:

TPH-G = Total Petroleum Hydrocarbons as Gasoline.

MTBE = Methyl Tert Butyl Ether.

VOCs = Volatile Organic Compounds

ND = Not Detected.

TABLE 2 (Continued) GROUNDWATER LABORATORY ANALYTICAL RESULTS (MW7 Continued)

Date	ТРН-С	MTBE	Benzene	Toluene	Ethyl- benzene	Total Xylenes	Other VOCs by EPA 8260
08/31/04	ND<0.05	ND<0.0005	ND<0.0005	ND<0.0005	ND<0.0005	ND<0.0005	ND, except Tetrachloroethane = 0.00073
06/03/04	ND<0.05	ND<0.001	ND<0.001	ND<0.001	ND<0.001	ND<0.001	ND, except Tetrachloroethane = 0.00098
02/20/04	ND<0.05	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND, except Tetrachloroethane = 0.0013
11/25/03	ND<0.05	ND<0.001	ND<0.001	ND<0.001	ND<0.001	ND<0.001	ND, except Chloroform = 0.00076
07/15/03	ND<0.05	ND<0.0005	ND<0.0005	ND<0.0005	ND<0.0005	ND<0.0005	Tetrachloroethene = 0.00078 ND, except Chloroform = 0.00061 1,2-Dibromo-
04/17/03	ND<0.05	ND<0.0005	ND<0.0005	ND<0.0005	ND<0.0005	ND<0.0005	3-chloropropane = 0.00064 Tetrachloroethene = 0.0012 ND, except Chloroform = 0.00075 Tetrachloroethene = 0.0012
01/20/03	ND<0.05	ND<0.0005	ND<0.0005	ND<0.0005	ND<0.0005	ND<0.0005	ND, except Chloroform = 0.00056
02/17/99	ND	ND	ND	ND	ND	ND	
01/25/98	ND	ND	ND	ND	ND	ND	
07/14/97	ND	ND	ND	ND	ND	ND	
03/11/97	ND	ND	ND	ND	ND	ND	
06/21/96	ND	ND	ND	ND	ND	ND	
03/28/96	ND	ND	ND	ND	ND	ND	
12/19/95	ND	ND	ND	ND	ND	ND	
06/23/95	ND	ND	ND	ND	ND	ND	

NOTES:

TPH-G = Total Petroleum Hydrocarbons as Gasoline.

 $MTBE = Methyl \ Tert \ Butyl \ Ether.$

VOCs = Volatile Organic Compounds

ND = Not Detected.

-- = Sample not analyzed for this compound during this sampling event.

TABLE 2 (Continued) GROUNDWATER LABORATORY ANALYTICAL RESULTS (MW8)

Date	TPH-G	MTBE	Benzene	Toluene	Ethyl- benzene	Total Xylenes	Other VOCs by EPA 8260
11/14/05	ND<0.05	ND<0.0005	ND<0.0005	ND<0.0005	ND<0.0005	ND<0.0005	ND, except Chloroform = 0.00094
08/31/05	ND<0.05	ND<0.0005	ND<0.0005	ND<0.0005	ND<0.0005	ND<0.0005	ND, except Chloroform = 0.00067 Tetrachloroethene = 0.002

NOTES:

TPH-G = Total Petroleum Hydrocarbons as Gasoline.

MTBE = Methyl Tert Butyl Ether.

VOCs = Volatile Organic Compounds

ND = Not Detected.

TABLE 2 (Continued) GROUNDWATER LABORATORY ANALYTICAL RESULTS (MW8 Continued)

Date	TPH-G	MTBE	Benzene	Toluene	Ethyl- benzene	Total Xylenes	Other VOCs by EPA 8260
06/22/05	ND<0.05	ND<0.0005	ND<0.0005	ND<0.0005	ND<0.0005	ND<0.0005	ND, except Chloroform = 0.00093
02/09/05	ND<0.05	ND<0.0005	ND<0.0005	ND<0.0005	ND<0.0005	ND<0.0005	ND, except Chloroform = 0.0011
08/31/04	ND<0.05	ND<0.0005	ND<0.0005	ND<0.0005	ND<0.0005	ND<0.0005	ND, except Chloroform = 0.0013
06/03/04	ND<0.05	ND<0.001	ND<0.001	ND<0.001	ND<0.001	ND<0,001	ND, except Chloroform = 0.001
02/20/04	ND<0.05	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND<0.005	ND, except Chloroform = 0.00078
11/25/03	ND<0.05	ND<0.001	ND<0.001	ND<0.001	ND<0.001	ND<0.001	ND, except Chloroform = 0.0014
07/15/03	ND<0.05	ND<0.0005	ND<0.0005	ND<0.0005	ND<0,0005	0.00066	ND, except Chloroform = 0.0014 1,2-Dibromo- 3-chloropropane = 0.00052
04/17/03	ND<0.05	ND<0.0005	ND<0.0005	ND<0.0005	ND<0.0005	ND<0.0005	ND, except Chloroform = 0.0018
01/20/03	ND<0.05	ND<0.0005	ND<0.0005	ND<0.0005	ND<0.0005	ND<0.0005	ND, except Chloroform = 0.0013
02/17/99	ND	ND	ND	ND	ND	ND	
01/25/98	ND	ND	ND	ND	ND	ND	
07/14/97	ND	ND	ND	ND	ND	ND	
03/11/97	ND	ND	ND	ND	ND	ND	
06/21/96	ND	ND	ND	ND	ND	ND	
03/28/96	ND	ND	ND	ND	ND	ND	
12/19/95	ND	ND	ND	ND	ND	ND	
06/23/95	ND	ND	ND	ND	ND	ND	

NOTES:

TPH-G = Total Petroleum Hydrocarbons as Gasoline.

MTBE = Methyl Tert Butyl Ether.

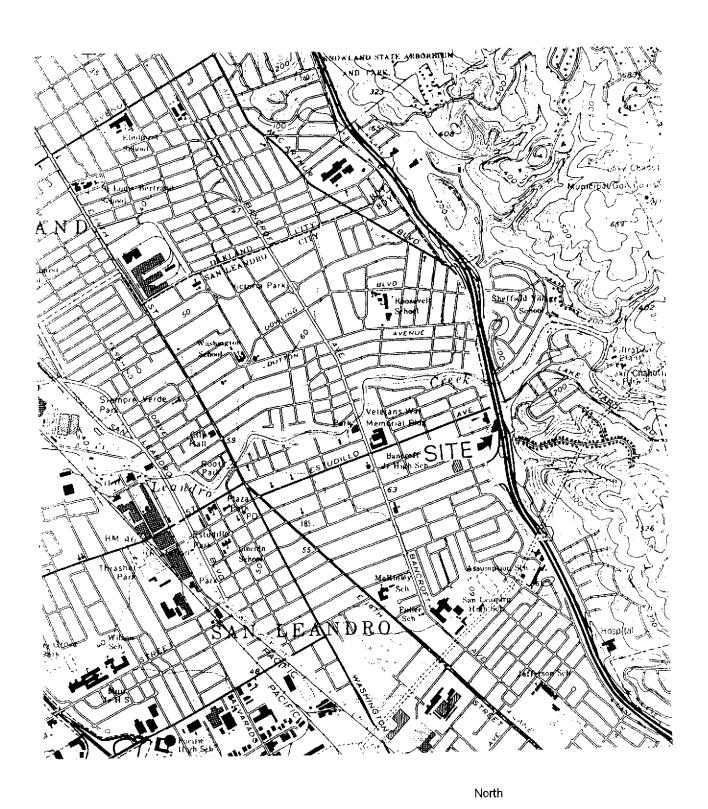
VOCs = Volatile Organic Compounds

ND = Not Detected.

-- = Sample not analyzed for this compound during this sampling event.

P & D ENVIRONMENTAL, INC.

55 Santa Clara Ave, Suite 240 Oakland, CA 94610 (510) 658-6916



Base Map From: U.S. Geological Survey San Leandro, Calif. 7.5 Minute Quadrangle Photorevised 1980

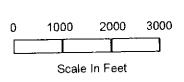
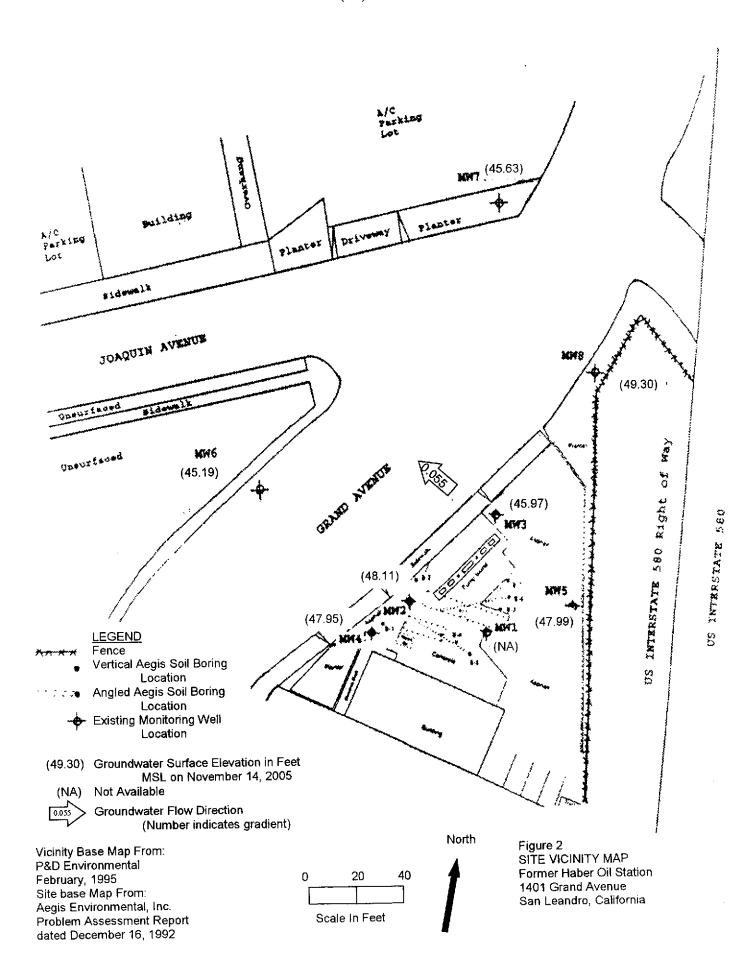


Figure 1 SITE LOCATION MAP Former Haber Oil Station 1401 Grand Avenue San Leandro, California

P & D Environmental, Inc.

55 Santa Clara Ave, Suite 240 Oakland, CA 94610 (510) 658-6916



P&D ENVIRONMENTAL GROUNDWATER MONITORING/WELL PURGING DATA SHEET

Site Name F	orner Habe	011	Well No	MWI
Job No	0055		Date	1-14-05
TOC to Water	(ft.) 39,7	1	Sheen	Nove
Well Depth		, 	Free Prod	luct Thickness
	er Uin (0.646 91/8	Sample Co	ollection Method
Gal./Casing	vol. 9.8	<u> </u>		eplan balor
	€=30		OC.	ELECTRICAL W
13,55	GAL. PURGED	765	TEMPERATURE 20 - 1	CONDUCTIVITY SOLUTION
14201		706	19.3	804
H703	9	7.66	19:1	804
14:08	15	7.06	19,2	804
147/2	20	7.06	19.0	790
14719	30	7.06	18.9	779
				
14725		emple To	ne	
		<u> </u>		
, th	•			
			44 W.	
				4
		 		
		<u></u>		
NOTES: No	Sheen or od	on on for	of wer, b	or whice
Fibrous (Sheen or od	cruelin	barler	

P&D ENVIRONMENTAL GROUNDWATER MONITORING/WELL PURGING DATA SHEET

Site Name Former Hober 011 Job No. 0055			Well No. MWZ				
Job No.	0055		Date 11-14-05				
TOC to Wate	er (ft.) 38,50)	Sheen Now				
	(ft.) <u>55</u>		Free Product Thickness				
	ter 4 in.		Sample Collection Method				
	g Vol. 10.6	- 	Teplon byter				
	£=32	•	OC	ELECTRICAL MS/CM			
TIME	GAL. PURGED	<u>H</u> q	TEMPERATURE	CONDUCTIVITY			
16:53	5	7.06	19.2	944			
17:06	15 -32.25	<u>7.05</u> 7.06 7.05	18-9	904 857			
17:18	32_	7.05	19.3	837			
							
							
		· 					
				N			
							
NOTES: Strong PHC olor, No sheen on purgle waver							

P&D ENVIRONMENTAL GROUNDWATER MONITORING/WELL PURGING DATA SHEET

_		DATA S	uppi		
Site Name	or mer Hober	<u>0</u> 1	Well No.	MWS	
Job No	0055	Date/	Date 11-14-05		
TOC to Wate	er (ft.) 41.5	Sheen	Sheen NOW		
Well Depth	r E		Free Pro	Free Product Thickness	
Well Diamet	* ((0.646)	Sample Collection Method		
Gal./Casing			teston ballen		
, <u>-</u>	3=16		oc	ELECTRICAL MK/	
TIME	GAL, PURGED	<u>₽</u> H	TEMPERATURE	CONDUCTIVITY TEN	
1455	- 2	105		(6)	
14155	3	7.05	19.0	769	
1500	6	7.06	18-9	768	
15:07	9	7.06	18.9	772	
15:07	15	7.06	18-9	768	
15:11	20	7.06	18-9	764	
15:07	76	7:06	18-9	762	
120-6					
		-			

			-	Alaman very life for a	

		<u></u>			
					
				<u> </u>	
NOTES: A A	ماری میش	00 1	- < h		
100	parane pitc	uces -, but	no sheer on	purge worter	

Size Name Folker Hober C	2	Well No	MWY
Job No. 0055			1-14-05
TOC to Water (ft.) 38,26		Sheen	5020
Well Depth (ft.) 55	(0646)	Free Produ	oct Thickness
Well Diameter 4 ig		_	llection Method
Gal./Casing Vol. 10.8	_	jes	lor bailer
2			ELECTRICAL
TIME GAL. PURGED 16:02 3	705	TEMPERATURE 194	CONDUCTIVITY COCO
16 24	7.05	19.5	105
16.100	7.05	# 60	1058
16:11 15	7.05	14.5	1057
16:14 20	7.05	1915	1064
16:21 28	705	1915	1066
/ 			
16:25 Sange	Time		
			
			
			
	· · · · · · · · · · · · · · · · · · ·		
			
		· · · · · · · · · · · · · · · · · · ·	
NOTES: Nodowe PHCC	odor, N	osbeen on	forge waren

		DATA S	HEET	, C
Site Name	Drner H	aler Oil	Well No	MW
Job No.	0095		Date	1/14/05
TOC to Water	(ft.) 4(.11		Sheen	None
Well Depth ((ft.)55		Free Prod	luct Thickness 🧷
Well Diamete	er Yin.	/ ¹		llection Method
Gal./Casing	Vol. 9,0	_ (0.646) 184.) 184	an baller
12:40 12:46 12:55 12:55 12:59 13:03	2= 27.0 GAL. PURGED 10 15 20 24 27	706 706 706 706 706	TEMPERATURE 19. 1 19. 1 19. 1 19. 0 19. 1	ELECTRICAL CONDUCTIVITY 952 825 789 711 164 763
13:06	Samo	Le Time	2	
	-			

			-	
				
				
	· · · · · · · · · · · · · · · · · · ·			
NOTES:	No DIAC S	Decrar	Odan on P	uzehoten
			- v	

Site Name	Former	taber Oil	Well No.	Mub
Job No.	0055		Date	11/14/05
TOC to Wat	er (ft.) 38.8	2	Sheen	Nove
Well Depth	(ft.) 50		Free Pro	duct Thickness
Well Diame	eter <u>Zin.</u>		- · · ·	ollection Method
Gal./Casin	ig Vol. 18	_ 	Teple	en bailer
12:07 12:01 12:09 12:09 12:10	2.0 3.0 1.0 2.0	7.06 7.05 7.05 7.05 7.05 7.05	TEMPERATURE 19, 5 19, 5 19, 4 19, 4	ELECTRICAL CONDUCTIVITY 825 849 851 854
12:15		ele Tr	ue	
				
	-		 	
		<u></u>		
NOTES:	No pitc sh	een or or	le-on pry	war

		DATA SE	REET	
Site Name	Former Habe	x01	Well No.	MWF
Job No.	0055	_	Date	1/4/05
TOC to Wate	er (ft.) 41.48		Sheen	none
	(ft.) 50	_	Free Produ	ct Thickness 💋
Well Diame	terZin	_	Sample Col	lection Method
Gal./Casin			TCPlo	1 baler
	524,2	11	mound name in c	ELECTRICAL CONDUCTIVITY
TIME 11:46	GAL PURGED O,5	앤 7.08	temperature /አ.9	810
11417	1.0	7.09	18-9	808
1047	2.0	7.08	18.8	803
11748	3.0	7.08	18.8	801
11:49	4,0	7.10	18,7	801
11:49	4.5	7.10	18.8	799
11:53	San	Me Tin	ne	
				
	10-11-11-11-11-11-11-11-11-11-11-11-11-1			
				
			AMERICAN 1 2	
		<u> </u>		
				
NOTE OF				
NOTES:	o PIHC Sheen	or oder	on purge 1	wwer_
			<i>V *</i>	

Site Name	Former Hal	ber Oil	Well No	MW8	
Job No	, m		Date	114/05	
TOC to Wate:	r (ft.) 40,4	(O	Sheen	None	
Well Depth	(ft.) 50		Free Produc	ct Thickness	
Well Diamet	´] .		Sample Col	lection Method	
Gal./Casing	vol. 1,6			etlon valea.	\
TIVE	£24.8		TEMPERATURE (OC)	ELECTRICAL (MS	
TIME H:(X	O.5	92	18.5	918	
1018	1.0	6.85	18.3	938	
11.19	7.0	6.86	18,1	913	
11:23	2.6	1	101	907	
11:20	-3.0	6.89	181	294	
1 22	4.0	6,77	101	793	
11.5	_2.0	6.97	181	01/	-
11:50	- Sample	9			
		<i></i>			
					
					
				A	
					
					
NOTES:	Jo PHC	00- 5	- slaa	on purae	
		8 400	o over	on phyge	
	water	<u> </u>		-	



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

P & D Environmental	Client Project ID: #0055; Former	Date Sampled: 11/14/05		
55 Santa Clara, Ste.240	Haber Oil	Date Received: 11/15/05		
Oakland, CA 94610	Client Contact: Eric Olson	Date Extracted: 11/16/05-11/17/05		
	Client P.O.:	Date Analyzed: 11/16/05-11/17/05		

Gasoline Range (C6-C12) Volatile H	lydrocarbons as Gasoline*
والمسالم والم والمسالم والمسالم والمسالم والمسالم والمسالم والمسالم والمسالم والمسالم والمسالم والمسال	CIUROI (Cm

ixtraction method: SW5030B Analytical methods: SW8015Cm				Work Order: 05	
Lab ID	Client ID	Matrix	TPH(g)	DF	% SS
001A	MWI	w	ND	1	119
002A	MW2	W	42,000,a	100	100
003A	MW3	w	210,m	1	113
004A	MW4	W	130,a	1	97
005A	MW5	w	ND	1	105
006A	MW6	w	ND	1	103
007A	MW7	w	ND	1	104
008A	MW8	w	ND	1	116
				1	
Repor	rting Limit for DF =1; eans not detected at or	W		μg/	
	ve the reporting limit	S	NA	NA	۸.

ĺ	* water and vapor samples and all TCLP & SPLP extracts are reported in ug/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe,	
	water and vapor samples and all TCLP & SPLF extracts are reported in dg/2, sorrollings	
	product/oil/non-aqueous liquid samples in mg/L.	

[#] cluttered chromatogram; sample peak coelutes with surrogate peak.

Angela Rydelius, Lab Manager

⁺The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified gasoline is significant; b) heavier gasoline range compounds are significant(aged gasoline?); c) lighter gasoline range compounds (the most mobile fraction) are significant; d) gasoline range compounds having broad chromatographic peaks are significant; biologically altered gasoline?; e) TPH pattern that does not appear to be derived from gasoline (stoddard solvent / mineral spirit?); f) one to a few isolated non-target peaks present; g) strongly aged gasoline or diesel range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) reporting limit raised due to high MTBE content; k) TPH pattern that does not appear to be derived from gasoline (aviation gas). m) no recognizable pattern; n) TPH(g) range non-target isolated peaks subtracted out of the TPH(g) concentration at the client's request.



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& D Environmental	Client Project ID: #0055; Former	Date Sampled: 11/14/05
& D Little line	Haber Oil	Date Received: 11/15/05
55 Santa Clara, Ste.240	Client Contact: Eric Olson	Date Extracted: 11/15/05
Oakland, CA 94610	Client P.O.:	Date Analyzed: 11/15/05

Volatile Organics by P&T and GC/MS (Basic Target List)*

Work Order: 0511308 Analytical Method: SW8260B Extraction Method: SW5030B

Lab ID	0511308-001B						
Client ID	MW1						
Matrix		Water					
Сотроила	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	5.0	Acrolein (Propenal)	ND	1.0	5.0
Acrylonitrile	ND	1.0	2.0	tert-Amyl methyl ether (TAME)	ND	1.0	0.5
Benzene	ND	1.0	0.5	Bromobenzene	ND	1.0	0.5
Bromochloromethane	ND	1.0	0.5	Bromodichloromethane	ND ND	1.0	0.5
Bromoform	ND	1.0	0.5	Bromomethane	ND	1.0	0.5
2-Butanone (MEK)	ND	1.0	2.0	t-Butyl alcohol (TBA)	ND ND	1.0	5.0
n-Butyl benzene	ND	1.0	0.5	sec-Butyl benzene	ND	1.0	0.5
tert-Butyl benzene	ND	1.0	0.5	Carbon Disulfide	ND	1.0	0.5
Carbon Tetrachloride	ND	1.0	0.5	Chlorobenzene	ND	1.0	0.5
Chloroethane	ND	1.0	0.5	2-Chloroethyl Vinyl Ether	ND ND	1.0	1.0
Chloroform	ND	1.0	0.5	Chloromethane	ND	1.0	0.5
2-Chlorotoluene	ND	1.0	0.5	4-Chlorotoluene	ND	1.0	0.5
Dibromochloromethane	ND	1.0	0.5	1,2-Dibromo-3-chloropropane	ND	1.0	0.5
1.2-Dibromoethane (EDB)	ND	1.0	0.5	Dibromomethane	ND	1.0	0.5
1,2-Dichlorobenzene	ND	1.0	0.5	1,3-Dichlorobenzene	ND	1.0	0.5
1.4-Dichlorobenzene	ND	1.0	0.5	Dichlorodifluoromethane	ND	1.0	0.5
1,1-Dichloroethane	ND	1.0	0.5	1,2-Dichloroethane (1,2-DCA)	ND	1.0	0.5
1,1-Dichloroethene	+ ND	1.0	0.5	cis-1,2-Dichloroethene	ND	1.0	0.5
trans-1,2-Dichloroethene	ND ND	1.0	0.5	1,2-Dichloropropane	ND	1.0	0.5
	ND	1.0	0.5	2,2-Dichloropropane	ND	1.0	0.5
1,3-Dichloropropane 1,1-Dichloropropene	ND	1.0	0.5	cis-1,3-Dichloropropene	ND	1.0	0.5
trans-1,3-Dichloropropene	ND ND	1.0	0.5	Diisopropyl ether (DIPE)	ND	1.0	0.5
	ND	1.0	0.5	Ethyl tert-butyl ether (ETBE)	ND	1.0	0.5
Ethylbenzene	+ ND	1.0	10	Hexachlorobutadiene	ND	1.0	0.5
Freon 113	ND ND	1.0	0.5	2-Hexanone	ND	1.0	0.5
Hexachloroethane	ND	1.0	0.5	4-Isopropyl toluene	ND	1.0	0.5
Isopropylbenzene	49	1.0	0.5	Methylene chloride	ND	1.0	0.5
Methyl-t-butyl ether (MTBE)		1.0	0.5	Naphthalene	ND	1.0	0.5
4-Methyl-2-pentanone (MIBK)	ND ND	1.0	10	n-Propyl benzene	ND	1.0	0.5
Nitrobenzene		1.0	0.5	1.1.1.2-Tetrachloroethane	ND	1.0	0.5
Styrene	ND ND	$+\frac{1.0}{1.0}$	0.5	Tetrachloroethene	ND	1.0	0.5
1,1,2,2-Tetrachloroethane		1.0	0.5	1,2,3-Trichlorobenzene	ND	1.0	0.5
Toluene	ND	1.0	0.5	1,1,1-Trichloroethane	ND	1.0	0.5
1,2,4-Trichlorobenzene	ND		0.5	Trichloroethene	ND	1.0	0.5
1,1,2-Trichloroethane	ND ND	1.0	0.5	1,2,3-Trichloropropane	ND	1.0	0.5
Trichlorofluoromethane	ND	$\frac{1.0}{1.0}$.		1,3,5-Trimethylbenzene	ND	1.0	0.5
1,2,4-Trimethylbenzene	ND	1.0	0.5	Xylenes	ND	1.0	0.5
Vinyl Chloride	ND	1.0		Recoveries (%)	1.12	1.5	

	Surroga	te Recoveries (%)	
%SS1:	101	%SS2:	94
%SS3:	92		
70000			

Comments:

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

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.



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.

[#] surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.



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P & D Environmental	Client Project ID: #0055; Former	Date Sampled: 11/14/05		
A W Ellyllollinelia	Haber Oil	Date Received: 11/15/05		
55 Santa Clara, Ste.240	Client Contact: Eric Olson	Date Extracted: 11/15/05		
Oakland, CA 94610	Client P.O.:	Date Analyzed: 11/15/05		

Volatile Organics by P&T and GC/MS (Basic Target List)*

Work Order: 0511308 Analytical Method: SW8260B Extraction Method: SW5030B

Lab ID		0511308-002B					
Client ID		MW2					
Matrix				Water			
Compound	Concentration *	* DF Reporting Compound Concentrate		Concentration *	DF	Reporting Limit	
Acetone	ND<500	100	5.0	Acrolein (Propenal)	ND<500	100	5.0
Acrylonitrile	ND<200	100	2.0	tert-Amyl methyl ether (TAME)	ND<50	100	0.5
Benzene	4500	100	0.5	Bromobenzene	ND<50	100	0.5
Bromochloromethane	ND<50	100	0.5	Bromodichloromethane	ND<50	100	0.5
Bromoform	ND<50	100	0.5	Bromomethane	ND<50	100	0.5
2-Butanone (MEK)	ND<200	100	2.0	t-Butyl alcohol (TBA)	ND<500	100	5.0
n-Butyl benzene	ND<50	100	0.5	sec-Butyl benzene	ND<50	100	0.5
tert-Butyl benzene	ND<50	100	0.5	Carbon Disulfide	ND<50	100	0.5
Carbon Tetrachloride	ND<50	100	0.5	Chlorobenzene	ND<50	100	0.5
Chloroethane	ND<50	100	0.5	2-Chloroethyl Vinyl Ether	ND<100	100	1.0
	ND<50	100	0.5	Chloromethane	ND<50	100	0.5
Chloroform 2-Chlorotoluene	ND<50	100	0.5	4-Chlorotoluene	ND<50	100	0.5
	ND<50	100	0.5	1,2-Dibromo-3-chloropropane	ND<50	100	0.5
Dibromochloromethane (EDD)	ND<50	100	0.5	Dibromomethane	ND<50	100	0.5
1,2-Dibromoethane (EDB)	ND<50	100	0.5	1.3-Dichlorobenzene	ND<50	100	0.5
1,2-Dichlorobenzene	ND<50	100	0.5	Dichlorodifluoromethane	ND<50	100	0.5
1,4-Dichlorobenzene	ND<50	100	0.5	1.2-Dichloroethane (1,2-DCA)	ND<50	100	0.5
1,1-Dichloroethane	ND<50	100	0.5	cis-1,2-Dichloroethene	ND<50	100	0.5
I,1-Dichloroethene	ND<50	100	0.5	1,2-Dichloropropane	ND<50	100	0.5
trans-1,2-Dichloroethene	ND<50	100	0.5	2,2-Dichloropropane	ND<50	100	0.5
1,3-Dichloropropane	ND<50	100	0.5	cis-1,3-Dichloropropene	ND<50	100	0.5
1,1-Dichloropropene	ND<50	100	0.5	Diisopropyl ether (DIPE)	ND<50	100	0.5
trans-1,3-Dichloropropene	1500	100	0.5	Ethyl tert-butyl ether (ETBE)	ND<50	100	0.5
Ethylbenzene		100	10	Hexachlorobutadiene	ND<50	100	0.5
Freon 113	ND<1000	100	0.5	2-Hexanone	ND<50	100	0.5
Hexachloroethane	ND<50 51	100	0.5	4-Isopropyl toluene	ND<50	100	0.5
Isopropylbenzene		~		Methylene chloride	ND<50	100	0.5
Methyl-t-butyl ether (MTBE)	2000	100	$\frac{0.5}{0.5}$	Naphthalene	290	100	0.5
4-Methyl-2-pentanone (MIBK)	ND<50	100		n-Propyl benzene	130	100	0.5
Nitrobenzene	ND<1000	100	10		ND<50	100	0.5
Styrene	ND<50	100	0.5	1,1,2-Tetrachloroethane Tetrachloroethene	ND<50	100	0.5
1,1,2,2-Tetrachloroethane	ND<50	100			ND<50	100	0.5
Toluene	2100	100		1,2,3-Trichlorobenzene	ND<50	100	0.5
1,2,4-Trichlorobenzene	and the same of the same	ND-50		100	0.5		
1,1,2-Trichloroethane	ND<50	100	- •••	Trichloroethene	ND<50	100	0.5
Trichlorofluoromethane	ND<50	100		1,2,3-Trichloropropane	220	100	0.5
1,2,4-Trimethylbenzene	1100	100	+	1,3,5-Trimethylbenzene	6300	100	0.5
Vinyl Chloride	ND<50	100		Xylenes	0300	100	1 0.5
		Su	irrogate I	Recoveries (%)			

	Surrogate R	ecoveries (%)	
%SS1:	100	%SS2:	94
%SS3:	91		

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 coelutes with another peak; &) low surrogate due to matrix interference.

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.



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

P & D Environmental	Client Project ID: #0055; Former	Date Sampled: 11/14/05
	1	Date Received: 11/15/05
55 Santa Clara, Ste.240	Client Contact: Eric Olson	Date Extracted: 11/16/05
Oakland, CA 94610		Date Analyzed: 11/16/05

Volatile Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B

Analytical Method: SW8260B

Work Order: 0511308

Lab ID	0511308-003B									
Client ID	MW3									
Matrix		Water								
Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit			
Acetone	ND<250	50	5.0	Acrolein (Propenal)	ND<250	50	5.0			
Acrylonitrile	ND<100	50	2.0	tert-Amyl methyl ether (TAME)	ND<25	50	0.5			
Benzene	ND<25	50	0.5	Bromobenzene	ND<25	50	0.5			
Bromochloromethane	ND<25	50	0.5	Bromodichloromethane	ND<25	50	0.5			
Bromoform	ND<25	50	0.5	Bromomethane	ND<25	50	0.5			
2-Butanone (MEK)	ND<100	50	2.0	t-Butyl alcohol (TBA)	ND<250	50	5.0			
	ND<25	50	0.5	sec-Butyl benzene	ND<25	50	0.5			
n-Butyl benzene tert-Butyl benzene	ND<25	50	0.5	Carbon Disulfide	ND<25	50	0.5			
	ND<25	50	0.5	Chlorobenzene	ND<25	50	0.5			
Carbon Tetrachloride	ND<25	50	0.5	2-Chloroethyl Vinyl Ether	ND<50	_50_	1.0			
Chloroethane	ND<25	50	0.5	Chloromethane	ND<25	50	0.5			
Chloroform	ND<25	50	0.5	4-Chlorotoluene	ND<25	50	0.5			
2-Chlorotoluene	ND<25	50	0.5	1,2-Dibromo-3-chloropropane	ND<25	50	0.5			
Dibromochloromethane (EDD)	ND<25	50	0.5	Dibromomethane	ND<25	50	0.5			
1,2-Dibromoethane (EDB)	ND<25	$\frac{-30}{50}$	0.5	1.3-Dichlorobenzene	ND<25	50	0.5			
1,2-Dichlorobenzene	ND<25	50	0.5	Dichlorodifluoromethane	ND<25	50	0.:			
1,4-Dichlorobenzene	ND<25	50	0.5	1.2-Dichloroethane (1,2-DCA)	ND<25	50	0.5			
1,1-Dichloroethane	ND<25	50	0.5	cis-1,2-Dichloroethene	ND<25	50	0.5			
1,1-Dichloroethene	ND<25	50	0.5	1,2-Dichloropropane	ND<25	50	0.5			
trans-1,2-Dichloroethene		50	0.5	2,2-Dichloropropane	ND<25	50	0.5			
1,3-Dichloropropane	ND<25	50	0.5	cis-1,3-Dichloropropene	ND<25	50	0.:			
1,1-Dichloropropene	ND<25	50	0.5	Diisopropyl ether (DIPE)	ND<25	50	0.:			
trans-1,3-Dichloropropene	ND<25	50	0.5	Ethyl tert-butyl ether (ETBE)	ND<25	50	0.:			
Ethylbenzene	ND<25	50	10	Hexachlorobutadiene	ND<25	50	0.:			
Freon 113	ND<500	50	0.5	2-Hexanone	ND<25	50	0			
Hexachloroethane	ND<25	50	0.5	4-Isopropyl toluene	ND<25	50	0.			
Isopropylbenzene	ND<25			Methylene chloride	ND<25	50	0.			
Methyl-t-butyl ether (MTBE)	1500	50	0.5_	Naphthalene	ND<25	50	0.			
4-Methyl-2-pentanone (MIBK)	ND<25	50	0.5	n-Propyl benzene	ND<25	50	ō.			
Nitrobenzene	ND<500	50	10	1,1,1,2-Tetrachloroethane	ND<25	50	0.			
Styrene	ND<25	50	0.5		ND<25	50	0.			
1,1,2,2-Tetrachloroethane	ND<25	50	0.5	Tetrachloroethene	ND<25	50	0.			
Toluene	ND<25	50	0.5	1,2,3-Trichlorobenzene	ND<25	50	0.			
1,2,4-Trichlorobenzene	ND<25	50	0.5	1,1,1-Trichloroethane	ND<25	50	0.			
1,1,2-Trichloroethane	ND<25	50	0.5	Trichloroethene	ND<25	50	0			
Trichlorofluoromethane	ND<25	50	0.5	1,2,3-Trichloropropane	ND<25 ND<25	50	0			
1,2,4-Trimethylbenzene	ND<25	50	0.5	1,3,5-Trimethylbenzene	ND<25 ND<25	50	<u>v</u> :			
Vinyl Chloride	ND<25	50	0.5	Xylenes	ND~Z3		<u>. i v.</u>			
		Su	rrog at e l	Recoveries (%)	·					
%SS1:	1	03		%SS2:		93				

* 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 coelutes with another peak; &) low surrogate due to matrix interference.

88

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.



%SS3: Comments:



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P & D Environmental	Client Project ID: #0055; Former	Date Sampled: 11/14/05
P & D Environmental	Haber Oil	Date Received: 11/15/05
55 Santa Clara, Ste.240	Client Contact: Eric Olson	Date Extracted: 11/16/05
Oakland, CA 94610	Client P.O.:	Date Analyzed: 11/16/05

Volatile Organics by P&T and GC/MS (Basic Target List)*

ı		A Ottatile of Parista = 2 = 2 = 2	` -	Work Order: 0511308
l	Extraction Method: SW5030B	Analytical Method:	SW8260B	Work Order: 0311308
Ì	Lab ID		0511308-004B	
	Client ID		MW4	
	Matrix		Water	

Client ID									
Matrix	Water								
Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Limit		
Acetone	ND<500	100	5.0	Acrolein (Propenal)	ND<500	100	5.0		
Acrylonitrile	ND<200	100	2.0	tert-Amyl methyl ether (TAME)	ND<50	_100	0.5		
Benzene	ND<50	100	0.5	Bromobenzene	ND<50	100	0.5		
Bromochloromethane	ND<50	100	0.5	Bromodichloromethane	NÐ<50	100	0.5		
Bromoform	ND<50	100	0.5	Bromomethane	ND<50	100	0.5		
2-Butanone (MEK)	ND<200	100	2.0	t-Butyl alcohol (TBA)	ND<500	100	5.0		
n-Butyl benzene	ND<50	100	0.5	sec-Butyl benzene	ND<50	100_	0.5		
tert-Butyl benzene	ND<50	100	0.5	Carbon Disulfide	ND<50	100	0.5		
Carbon Tetrachloride	ND<50	100	0.5	Chlorobenzene	ND<50	100	0.5		
Chloroethane	ND<50	100	0.5	2-Chloroethyl Vinyl Ether	ND<100	100	1.0		
Chloroform	ND<50	100	0.5	Chloromethane	ND<50	100_	0.5		
2-Chlorotoluene	ND<50	100	0.5	4-Chlorotoluene	ND<50	100	0.5		
Dibromochloromethane	ND<50	100	0.5	1,2-Dibromo-3-chloropropane	ND<50	100	0.5		
1,2-Dibromoethane (EDB)	ND<50	100	0.5	Dibromomethane	ND<50	100	0.5		
1,2-Dichlorobenzene	ND<50	100	0.5	1,3-Dichlorobenzene	ND<50	100	0.5		
1,4-Dichlorobenzene	ND<50	100	0.5	Dichlorodifluoromethane	ND<50	100	0.5		
	ND<50	100	0.5	1.2-Dichloroethane (1,2-DCA)	ND<50	100	0.5		
1,1-Dichloroethane	ND<50	100	0.5	cis-1,2-Dichloroethene	ND<50	100	0.5		
1,1-Dichloroethene	ND<50	100	0.5	1,2-Dichloropropane	ND<50	100	0.5		
trans-1,2-Dichloroethene	ND<50	100	0.5	2,2-Dichloropropane	ND<50	100	0.5		
1,3-Dichloropropane	ND<50	100	0.5	cis-1,3-Dichloropropene	ND<50	100	0.5		
1,1-Dichloropropene	ND<50	100	0.5	Diisopropyl ether (DIPE)	ND<50	100	0.5		
trans-1,3-Dichloropropene	ND<50	100	0.5	Ethyl tert-butyl ether (ETBE)	ND<50	100	0.5		
Ethylbenzene	ND<1000	100	10	Hexachlorobutadiene	ND<50	100	0.5		
Freon 113	ND<50	100	0.5	2-Hexanone	ND<50	100	0.5		
Hexachloroethane	ND<50	100	0.5	4-Isopropyl toluene	ND<50	100	0.5		
Isopropylbenzene	1700	100	0.5	Methylene chloride	ND<50	100	0.5		
Methyl-t-butyl ether (MTBE)	ND<50	100	0.5	Naphthalene	ND<50	100	0.5		
4-Methyl-2-pentanone (MIBK)		-+	10	n-Propyl benzene	ND<50	100	0.5		
Nitrobenzene	ND<1000	100		1,1,1,2-Tetrachloroethane	ND<50	100	0.5		
Styrene	ND<50	100	0.5	Tetrachloroethene	ND<50	100	0.5		
1,1,2,2-Tetrachloroethane	ND<50	100	0.5	1,2,3-Trichlorobenzene	ND<50	100	0.5		
Toluene	ND<50	100	$-\frac{1}{1} - \frac{0.5}{0.5}$	1,1,1-Trichloroethane	ND<50	100	0.5		
1,2,4-Trichlorobenzene	ND<50	100	0.5		ND<50	100	0.5		
1,1,2-Trichloroethane	ND<50	100	0.5	Trichloroethene	ND<50	100	0.5		
Trichlorofluoromethane	ND<50	100	0.5	1,2,3-Trichloropropane	ND<50	100	0.5		
1,2,4-Trimethylbenzene	ND<50	100	0.5	1,3,5-Trimethylbenzene	ND<50	100	0.5		
Vinyl Chloride	ND<50	100	0.5	Xylenes	ND-30	100	0.3		

TillyTollion		te Recoveries (%)	
%SS1:	103	%SS2:	96
%SS3:	95		
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.

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.



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

[#] surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.



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

P & D Environmental	Client Project ID: #0055; Former	Date Sampled: 11/14/05
P&DEIMOINEILEI		Date Received: 11/15/05
55 Santa Clara, Ste.240	Client Contact: Eric Olson	Date Extracted: 11/16/05
Oakland, CA 94610		Date Analyzed: 11/16/05

Oakland, CA 94610 Client P.O.:								
Extraction Method: SW5030B	Volatile Organic			d GC/MS (Basic Target List) hod: SW8260B	* Work	Order: 05	11308	
0511200 005D								
Lab ID				MW5				
Client ID								
Matrix			(B	Water			Reporting	
Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Limit	
Acetone	ND	1.0	5.0	Acrolein (Propenal)	ND	1.0	5.0	
Acrylonitrile	ND	1.0	2.0	tert-Amyl methyl ether (TAME)	ND ND	1.0	0.5	
Benzene	ND	1.0	0.5	Bromobenzene	ND	1.0	0.5	
Bromochloromethane	ND	1.0	0.5	Bromodichloromethane	ND	1.0	0.5	
Bromoform	ND	1.0	0.5	Bromomethane	ND	1.0	0.5	
2-Butanone (MEK)	ND	1.0	2.0	t-Butyl alcohol (TBA)	ND	1.0	5.0	
n-Butyl benzene	ND ND	1.0	0.5	sec-Butyl benzene	ND	1.0	0.5	
tert-Butyl benzene	ND	1.0	0.5	Carbon Disulfide	ND	1.0	0.5	
Carbon Tetrachloride	ND	1.0	0.5	Chlorobenzene	ND	1.0_	0.5	
Chloroethane	ND	1.0	0.5	2-Chloroethyl Vinyl Ether	ND	1.0	1.0	
Chloroform	0.63	1.0	0.5	Chloromethane	ND	1.0	0.5	
2-Chlorotoluene	ND	1.0	0.5	4-Chlorotoluene	ND	1.0	0.5	
Dibromochloromethane	ND	1.0	0.5	1,2-Dibromo-3-chloropropane	ND	1.0	0.5	
1,2-Dibromoethane (EDB)	ND	1.0	0.5	Dibromomethane	ND	1.0	0.5	
1,2-Dichlorobenzene	ND	1.0	0.5	1,3-Dichlorobenzene	ND	1.0	0.5	
1,4-Dichlorobenzene	ND	1.0	0.5	Dichlorodifluoromethane	ND	1.0	0.5	
1.1-Dichloroethane	ND	1.0	0.5	1,2-Dichloroethane (1,2-DCA)	ND	1.0	0.5	
1,1-Dichloroethene	ND	1.0	0.5	cis-1,2-Dichloroethene	ND	1.0	0.5	
trans-1,2-Dichloroethene	ND	1.0	0.5	1,2-Dichloropropane	ND	1.0	0.5	
1,3-Dichloropropane	ND	1.0	0.5	2,2-Dichloropropane	ND	1.0	0.5	
1,1-Dichloropropene	ND	1.0	0.5	cis-1,3-Dichloropropene	ND	1.0	0.5	
trans-1,3-Dichloropropene	ND	1.0	0.5	Diisopropyl ether (DIPE)	ND	1.0	0.5	
Ethylbenzene	ND	1.0	0.5	Ethyl tert-butyl ether (ETBE)	ND	1.0	0.:	
Freon 113	ND ND	1.0	10	Hexachlorobutadiene	ND	1.0	0	
Hexachloroethane	ND ND	1.0	0.5	2-Hexanone	ND	1.0	0.:	
·	ND	1.0	0.5	4-Isopropyl toluene	ND	1.0	0.	
Isopropylbenzene Methyl-t-butyl ether (MTBE)	0.51	1.0	0.5	Methylene chloride	ND	1.0	0.:	
4-Methyl-2-pentanone (MIBK)	ND	1.0	0.5	Naphthalene	ND	1.0	0	
L	ND	1.0	10	n-Propyl benzene	ND	1.0	0	
Nitrobenzene	ND	1.0	0.5	1,1,1,2-Tetrachloroethane	ND	1.0	j 0.	
Styrene	ND	1.0	0.5	Tetrachloroethene	ND	1.0	0.	
1,1,2,2-Tetrachloroethane	ND ND	1.0	$\frac{-0.5}{0.5}$	1,2,3-Trichlorobenzene	ND	1.0	0.	
Toluene	ND	1.0	0.5	1,1,1-Trichloroethane	ND	1.0	0.	
1,2,4-Trichlorobenzene	ND	1.0	0.5	Trichloroethene	ND	1.0	0.:	
1,1,2-Trichloroethane	ND	1.0	0.5	1,2,3-Trichloropropane	ND	1.0	0.	
Trichlorofluoromethane	IND	1.0	J				1	

	Vinyl Chloride	ND	1.0 0.5	Xylenes	 ND : 1.0 ; 0
Ì			Surrogate Re	ecoveries (%)	
	%SS1:	104		%SS2:	 94
	%SS3:	86		<u></u>	

0.5

1.0

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

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.



ND

1,2,4-Trimethylbenzene

^{*} 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.

[#] surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.



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P & D Environmental
Client Project ID: #0055; Former
Haber Oil
Date Received: 11/14/05

Client Contact: Eric Olson
Date Extracted: 11/16/05

Oakland, CA 94610
Client P.O.:
Date Analyzed: 11/16/05

Volatile Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B

Analytical Method: SW8260B

Work Order: 0511308

Lab ID				0511308-006B MW6							
Client ID											
Matrix		Water Cancentration *									
Compound	Concentration *	Concentration *	DF	Reporting Limit							
Acetone	ND	1.0	5.0	Acrolein (Propenal)	ND	1.0	5.0				
Acrylonitrile	ND	1.0	2.0	tert-Amyl methyl ether (TAME)	ND	1.0	0.5				
Benzene	ND	1.0	0.5	Bromobenzene	ND	1.0	0.5				
Bromochloromethane	ND	1.0	0.5	Bromodichloromethane	ND	1.0	0.5				
Bromoform	ND	1.0	0.5	Bromomethane	ND_	1.0	0.5				
2-Butanone (MEK)	ND	1.0	2.0	t-Butyl alcohol (TBA)	ND	1.0	5.0				
n-Butyl benzene	ND	1.0	0.5	sec-Butyl benzene	ND	1.0	0.5				
tert-Butyl benzene	ND	1.0	0.5	Carbon Disulfide	ND	1.0	0.5				
Carbon Tetrachloride	ND	1.0	0.5	Chlorobenzene	ND ND	1.0	0.5				
Chloroethane	ND	1.0	, 0.5	2-Chloroethyl Vinyl Ether	ND	1.0	1.0				
Chloroform	0.67	1.0	0.5	Chloromethane	ND	1.0	0.5				
2-Chlorotoluene	ND	1.0	0.5	4-Chlorotoluene	ND	1.0	0.5				
Dibromochloromethane	ND	1.0	0.5	1,2-Dibromo-3-chloropropane	ND	1.0	0.5				
1.2-Dibromoethane (EDB)	ND	1.0	0.5	Dibromomethane	ND	1.0	0.5				
1,2-Dichlorobenzene	ND					1.0	0.5				
1,4-Dichlorobenzene	ND					1.0	0.5				
1,1-Dichloroethane		ND 1.0 0.5 1,2-Dichloroethane (1,2-DCA)		ND	1.0	0.5					
1,1-Dichloroethene	ND	1.0	0.5	cis-1,2-Dichloroethene	ND	1.0	0.5				
trans-1,2-Dichloroethene	ND	1.0	0.5	1,2-Dichloropropane	ND	1.0	0.5				
1,3-Dichloropropane	ND	1.0	0.5	2,2-Dichloropropane	ND	1.0	0.5				
1,1-Dichloropropene	ND	1.0	0.5	cis-1,3-Dichloropropene	ND	1.0	0.5				
trans-1,3-Dichloropropene	ND	1.0	0.5	Diisopropyl ether (DIPE)	ND	1.0	0.5				
Ethylbenzene	ND	1.0	0.5	Ethyl tert-butyl ether (ETBE)	ND	1.0	0.5				
Freon 113	ND	1.0	10	Hexachlorobutadiene	ND	1.0	0.5				
Hexachloroethane	ND	1.0	0.5	2-Hexanone	ND	1.0	0.5				
Isopropylbenzene	ND	1.0	0.5	4-Isopropyl toluene	ND	1.0	0.5				
Methyl-t-butyl ether (MTBE)	0.73	1.0	0.5	Methylene chloride	ND	1.0	0.5				
4-Methyl-2-pentanone (MIBK)	ND	1.0	0.5	Naphthalene	ND	1.0	0.5				
Nitrobenzene	ND	1.0	10	n-Propyl benzene	ND	1.0	0.5				
Styrene	ND	1.0	0.5	1,1,1,2-Tetrachloroethane	ND	1.0	0.5				
1,1,2,2-Tetrachloroethane	ND	1.0	0.5	Tetrachloroethene	0.50	1.0	0.5				
Toluene	ND	1.0	0.5	1,2,3-Trichlorobenzene	ND	1.0	0.5				
1,2,4-Trichlorobenzene	ND	1.0	0.5	1,1,1-Trichloroethane	ND	1.0	0.5				
1,1,2-Trichloroethane	ND	1.0	0.5	Trichloroethene	ND	1.0	0.5				
Trichlorofluoromethane	ND	1.0	0.5	1,2,3-Trichloropropane	ND	1.0	0.5				
1,2,4-Trimethylbenzene	ND	1.0	0.5	1,3,5-Trimethylbenzene	ND	1.0	0.5				
Vinyl Chloride	ND	1.0	0.5	Xylenes	ND	1.0	0.5				
vinyi Cinoride	1110	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		Recoveries (%)							

, m, r	Surrogate R	ecoveries (%)	
%SS1:	104	%SS2:	93
%SS3:	88		

^{*} 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.

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.



Comments:

[#] surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.



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

4P		
P & D Environmental	Client Project ID: #0055; Former	Date Sampled: 11/14/05
1 & D Environment	Haber Oil	Date Received: 11/15/05
55 Santa Clara, Ste.240	Client Contact: Eric Olson	Date Extracted: 11/16/05
Oakland, CA 94610	Client P.O.:	Date Analyzed: 11/16/05
		

Volatile Organics by P&T and GC/MS (Basic Target List)*

Analytical Method: SW8260B Work Order: 0511308 Extraction Method: SW5030B 0511308-007B Lab ID MW7 Client ID

Client ID									
Matrix	Water								
Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reportin Limit		
Acetone	ND	1.0	5.0	Acrolein (Propenal)	ND	1.0	5.0		
Acrylonitrile	ND	1.0	2.0	tert-Amyl methyl ether (TAME)	ND	1.0	0.5		
Benzene	ND	1.0	0.5	Bromobenzene	ND	1.0	0.5		
Bromochloromethane	ND	1.0	0.5	Bromodichloromethane	ND	1.0	0.5		
Bromoform	ND	1.0	0.5	Bromomethane	ND	1.0	0.5		
2-Butanone (MEK)	ND	1.0	2.0	t-Butyl alcohol (TBA)	ND	1.0	5.0		
n-Butyl benzene	ND	1.0	0.5	sec-Butyl benzene	ND ND	1.0	0.5		
tert-Butyl benzene	ND	1.0	0.5	Carbon Disulfide	ND ND	1.0	0.5		
Carbon Tetrachloride	ND	1.0	0.5	Chlorobenzene	ND	1.0	0.5		
Chloroethane	ND ND	1.0	0.5	2-Chloroethyl Vinyl Ether	ND	1.0	1.0		
Chloroform	0.82	1.0	0.5	Chloromethane	ND	1.0	0.5		
2-Chlorotoluene	ND	1.0	0.5	4-Chlorotoluene	ND	1.0	0.5		
Dibromochloromethane	ND	1.0	0.5	1,2-Dibromo-3-chloropropane	ND	1.0	0.5		
1,2-Dibromoethane (EDB)	ND ND	1.0	0.5	Dibromomethane	ND	1.0	0.5		
1.2-Dichlorobenzene	ND	1.0	0.5	1,3-Dichlorobenzene	ND	1.0	0.5		
	ND ND	1.0	0.5	Dichlorodifluoromethane	ND	1.0	0.5		
1,4-Dichlorobenzene	ND ND	1.0	0.5	1,2-Dichloroethane (1,2-DCA)	ND	1.0	0.5		
1,1-Dichloroethane	ND ND	1.0	0.5	cis-1,2-Dichloroethene	ND	1.0	0.5		
1,1-Dichloroethene	ND	1.0	0.5	1,2-Dichloropropane	ND	1.0	0.5		
trans-1,2-Dichloroethene	ND ND	1.0	0.5	2,2-Dichloropropane	ND	1.0	0.5		
1,3-Dichloropropane	ND ND	1.0	0.5	cis-1,3-Dichloropropene	ND	1.0	0.5		
1,1-Dichloropropene	ND	1.0	0.5	Diisopropyl ether (DIPE)	ND	1.0	0.5		
trans-1,3-Dichloropropene	ND	1.0	0.5	Ethyl tert-butyl ether (ETBE)	ND	1.0	0.5		
Ethylbenzene	ND	1.0	10	Hexachlorobutadiene	ND	1.0	0.5		
Freon 113	ND ND	1.0	0.5	2-Hexanone	ND	1.0	0.5		
Hexachloroethane		1.0	0.5	4-Isopropyl toluene	ND	1.0	0.5		
Isopropylbenzene	ND ND	1.0	0.5	Methylene chloride	ND	1.0	0.5		
Methyl-t-butyl ether (MTBE)	ND	1.0	0.5	Naphthalene	ND	1.0	0.5		
4-Methyl-2-pentanone (MIBK)	ND ND	1.0	10	n-Propyl benzene	ND	1.0	0.5		
Nitrobenzene	ND		0.5	1,1,1,2-Tetrachloroethane	ND	1.0	0.3		
Styrene	<u>ND</u>	1.0		Tetrachloroethene	0.68	1.0	0.		
1,1,2,2-Tetrachloroethane	ND	1.0	$\frac{0.5}{0.5}$	1,2,3-Trichlorobenzene	ND	1.0			
Toluene	ND	1.0	0.5	1,1,1-Trichloroethane	ND	1.0			
1,2,4-Trichlorobenzene	ND	1.0	0.5	Trichloroethene	ND	1.0	0.:		
1,1,2-Trichloroethane	ND	1.0	0.5		ND	1.0	0.:		
Trichlorofluoromethane	ND -	1.0		1,2,3-Trichloropropane 1,3,5-Trimethylbenzene	ND	1.0			
1,2,4-Trimethylbenzene	ND	1.0	0.5		ND	1.0			
Vinyl Chloride	ND	1.0	0.5	Xylenes	ND	1.0			
			rrogate l	Recoveries (%)		0.2			
%SS1:		02		%SS2:		93			
0.000		20		1					

Surrogate Recoveries (%)	
%SS1: 102 %SS2: 93	
%SS3: 89	
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.

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.



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

[#] surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.



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2		
P & D Environmental	Client Project ID: #0055; Former	Date Sampled: 11/14/05
1 & D Lan Hommonia	-	Date Received: 11/15/05
55 Santa Clara, Ste.240	Client Contact: Eric Olson	Date Extracted: 11/16/05
Oakland, CA 94610		Date Analyzed: 11/16/05

Volatile Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B Lab ID	Analytical Method: SW8260B	Work Order: 0511308					
Lab ID	0511308-008B						
Client ID	MW8						
Matrix	Water						
[VIARIA]		Reporting					

Matrix				Water			
Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	5.0	Acrolein (Propenal)	ND	1.0	5.0
Acrylonitrile	ND	1.0	2.0	tert-Amyl methyl ether (TAME)	ND	1.0	0.5
Benzene	ND	1.0	0.5	Bromobenzene	ND	1.0	0.5
Bromochloromethane	ND	1.0	0.5	Bromodichloromethane	ND	1.0	0.5
Bromoform	ND	1.0	0.5	Bromomethane	ND	1.0_	0.5
2-Butanone (MEK)	ND	1.0	2.0	t-Butyl alcohol (TBA)	ND	1.0	5.0
n-Butyl benzene	ND ND	1.0	0.5	sec-Butyl benzene	ND	1.0	0.5
tert-Butyl benzene	ND	1.0	0.5	Carbon Disulfide	ND	1.0	0.5
Carbon Tetrachloride	ND ND	1.0	0.5	Chlorobenzene	ND	1.0	0.5
Chloroethane	ND	1.0	0.5	2-Chloroethyl Vinyl Ether	ND	1.0	1.0
Chloroform	0.94	1.0	0.5	Chloromethane	ND	1.0	0.5
2-Chlorotoluene	ND ND	1.0	0.5	4-Chlorotoluene	ND	1.0	0.5
	ND ND	1.0	0.5	1,2-Dibromo-3-chloropropane	ND	1.0	0.5
Dibromochloromethane 1,2-Dibromoethane (EDB)	ND	1.0	0.5	Dibromomethane	ND	1.0	0.5
	ND	1.0	0.5	1,3-Dichlorobenzene	ND	1.0	0.5
1,2-Dichlorobenzene	ND ND	1.0	0.5	Dichlorodifluoromethane	ND	1.0	0.5
1,4-Dichlorobenzene	$\frac{1}{ND}$	1.0	0.5	1.2-Dichloroethane (1,2-DCA)	ND	1.0	0.5
1,1-Dichloroethane	ND ND	1.0	0.5	cis-1,2-Dichloroethene	ND	1.0	0.5
1,1-Dichloroethene	ND ND	1.0	0.5	1,2-Dichloropropane	ND	1.0_	0.5
trans-1,2-Dichloroethene	ND	1.0	0.5	2.2-Dichloropropane	ND	1.0	0.5
1,3-Dichloropropane	ND	1.0	$+\frac{0.5}{0.5}$	cis-1,3-Dichloropropene	ND	1.0	0.5
1,1-Dichloropropene	ND	1.0	0.5	Diisopropyl ether (DIPE)	ND	1.0	0.5
trans-1,3-Dichloropropene	ND ND	1.0	0.5	Ethyl tert-butyl ether (ETBE)	ND	1.0	0.5
Ethylbenzene	ND -	1.0	10	Hexachlorobutadiene	ND	1.0	0.5
Freon 113	ND ND	1.0	0.5	2-Hexanone	ND	1.0	0.5
Hexachloroethane	ND	1.0	0.5	4-Isopropyl toluene	ND	1.0	0.5
Isopropylbenzene	ND ND	1.0	0.5	Methylene chloride	ND	1.0	0.5
Methyl-t-butyl ether (MTBE)	ND ND	1.0	0.5	Naphthalene	ND	1.0	0.5
4-Methyl-2-pentanone (MIBK)	ND ND	1.0	10	n-Propyl benzene	ND	1.0	0.5
Nitrobenzene		1.0	0.5	1,1,1,2-Tetrachloroethane	ND	1.0	0.5
Styrene	ND ND	1.0	0.5	Tetrachloroethene	ND	1.0	0.5
1,1,2,2-Tetrachloroethane		1.0	0.5	1.2.3-Trichlorobenzene	ND	1.0	0.5
Toluene	ND.	1.0	0.5	1.1.1-Trichloroethane	ND	1.0	0.5
1,2,4-Trichlorobenzene	ND ND	1.0	0.5	Trichloroethene	ND	1.0	. 0.5
1,1,2-Trichloroethane	ND ND		0.5	1,2,3-Trichloropropane	ND	1.0	0.5
Trichlorofluoromethane	ND	1.0	1 1111	1,3,5-Trimethylbenzene	ND	1.0	0.5
1,2,4-Trimethylbenzene	<u>ND</u>	$\frac{1.0}{1.0}$	0.5		ND ND	1.0	0.5
Vinyl Chloride	ND	1.0	0.5	Xylenes	142	1.0	

Vinyr Catorios	Surroge	ate Recoveries (%)	
%SS1:	103	%SS2:	93
%SS3:	87		

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

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.



^{*} water and vapor samples are reported in µg/L, soit/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.

[#] surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.



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

QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Water

QC Matrix: Water

WorkOrder: 0511308

EPA Method: SW8021B/8015	Batc	BatchID: 19033			Spiked Sample ID: 0511308-008A					
	Sample	Spiked	MS	MSD	MS-MSD	LCS		LCS-LCSD	Acceptance	criteria (%)
Analyte	µg/L	μg/L	% Rec.	. % Rec.	% RPD	D % Rec.		% RPD	MS/MSD	LCS / LCSD
TPH(btex) [€]	ND	60	104	107	2.56	105	104	0.576	70 - 130	70 - 130
MTBE	ND	10	91.3	92.5	1.31	93.6	94.5	0.905	70 - 130	70 - 130
Benzene	ND	10	98.6	99.7	1.07	95.8	98.3	2.59	70 - 130	70 - 130
Toluene	ND	10	101	101	0	97.6	99.7	2.15	70 - 130	70 - 130
Ethylbenzene	ND	10	110	105	4.37	107	109	1.39	70 - 130	70 - 130
Xylenes	ND	30	96.7	91.3	5.67	100	96.7	3.39 .	70 - 130	70 - 130
%SS:	116	10	109	104	4.35	106	106	0	70 - 130	70 - 130

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

NONE

BATCH 19033 SUMMARY

Date Sampled Date Extracted Date Analyzed
11/14/05 11/16/05 11/16/05 7:28 AM
11/14/05 11/16/05 11/16/05 5:40 AM
11/14/05 11/16/05 11/16/05 7:39 AM

SH QA/QC Officer

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.

N/A = not applicable or not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content

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QC SUMMARY REPORT FOR SW8260B

W.O. Sample Matrix: Water

QC Matrix: Water

WorkOrder: 0511308

EPA Method: SW8260B	E	xtraction:	: SW5030	В	BatchID: 19032			Spiked Sample ID: 0511308-008B			
	Sample	Sample Spiked		MS MSD		LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)		
Analyte	µg/L	μg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSD	
tert-Amyl methyl ether (TAME)	ND	10	109	111	2.21	117	111	4.81	70 - 130	70 - 130	
Benzene	ND	10	96.8	98.8	2.05	105	101	3.94	70 - 130	70 - 130	
t-Butyl alcohol (TBA)	ND	50	90.7	97.6	7.35	93.3	92.7	0.659	70 - 130	70 - 130	
Chlorobenzene	ND	10	100	100	0	108	102	6.11	70 - 130	70 - 130	
1,2-Dibromoethane (EDB)	ND	10	107	107	0	109	103	5.25	70 - 130	70 - 130	
1,2-Dichloroethane (1,2-DCA)	ND	10	112	114	1.35	119	114	4.07	70 - 130	. 70 - 130	
1,1-Dichloroethene	ND	10	95.7	99.1	3.44	107	98.2	8.38	70 - 130	70 - 130	
Diisopropyl ether (DIPE)	ND	10	102	106	3.99	110	105	5.09	70 - 130	70 - 130	
Ethyl tert-butyl ether (ETBE)	ND	10	97.8	103	5.19	106	101	4.85	70 - 130	70 - 130	
Methyl-t-butyl ether (MTBE)	ND	10	96.5	102	5.26	103	98.4	4.90	70 - 130	70 - 130	
Toluene	ND	10	105	107	1.20	111	103	7.68	70 - 130	70 - 130	
Trichloroethene	ND	10	93.2	93	0.240	101	95.6	5.40	70 - 130	70 - 130	
%SS1:	103	10	99	101	1.43	100	98	1.68	70 - 130	70 - 130	
%SS2:	93	10	98	101	3.22	98	97	1.66	70 - 130	70 - 130	
%SS3:	87	10	99	108	8.51	102	105	3.25	70 - 130	70 - 130	

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

NONE

BATCH 19032 SU	<u>IMMARY</u>
----------------	---------------

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0511308-001B	11/14/05	11/15/05	11/15/05 10:56 PM	0511308-002B	11/14/05	11/15/05	11/15/05 10:13 PM
0511308-001B 0511308-003B	11/14/05		11/16/05 4:11 PM	•	11/14/05	11/16/05	11/16/05 12:23 AM
0511308-005B	11/14/05				11/14/05	11/16/05	11/16/05 1:59 PM :
0511308-007B	11/14/05	11/16/05	11/16/05 2:44 PM	0511308-008B	11/14/05	11/16/05	11/16/05 3:27 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 fallowing reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

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

QA/QC Officer

P & TENVIRONMENTAL.

A Division of Paul H. King, Inc. 55 Santa Clara Ave, Suite 240 Oakland, CA 94610 (510) 658-6916

Pdeo 051/308

CHAIN OF CUSTODY RECORD

PAGE _ OF L PROJECT NAME: PROJECT NUMBER: Former Haber Oil 0055 SAMPLED BY: (PRINTED AND SIGNATURE) REMARKS SAMPLE LOCATION TYPE TIME DATE SAMPLE NUMBER Normal Turnaround 11-14-05 water MWi MWZ MW3 NWY × MWS <u>ww6</u> MWZ MWS APPROPRIATE CONTAINERS GOOD CONDITIO HEAD SPACE ABSENT DECHIORINATED IN LAB PRESERVED IN LAB d&G METALS OTHER PRESERVATION TOTAL NO. OF SAMPLES RECEIVED BY: (SIGNATURE) LABORATORY: RELINDUISHED BY: (SIGNATURE) DATE TIME (THIS SHPMENT) Mc Campbell Analytical TOTAL NO. OF CONTAINERS
(THES SHIPMENT) 11-15-05 LABORATORY CONTACT: LABORATORY PHONE NUMBER: JIME RELINQUISHED BY: (SIGNATURE) RECEIVED REFE (SIGNATURE) DATE (925) 798-1620 Angela Rydelius SAMPLE ANALYSIS REQUEST SHEET RÉCEIVED FOR LABORATORY BY: RELINGERSHED BY: (SIGNATURE ATTACHED: ()YES (X)NO (SIGNATURE) REMARKS: VOAs preserved of HCR

CHAIN-OF-CUSTODY RECORD

Page 1 of 1

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

WorkOrder: 0511308

ClientID: PDEO

EDF: NO

Report to:

Eric Olson

P & D Environmental 55 Santa Clara, Ste.240

ironmental

Oakland, CA 94610

TEL: (510) 658-6916 FAX: 510-834-0152

ProjectNo: #0055; Former Haber Oil

PO:

Bill to:

Requested TAT:

5 days

Accounts Payable

P & D Environmental

55 Santa Clara, Ste.240 Oakland, CA 94610 Date Received:

11/15/2005

Date Printed:

11/15/2005

				Γ		 			Re	que	stec	Tes	sts (See	legei	nd be	wol)				
Sample ID	ClientSampID	Matrix	Collection Date	Hold	1	2	3		4		5		6	7		8	<u> </u>	9	10]	11	12
0511308-001	MW1	Water	11/14/05		В	Α								<u> </u>	<u> </u>		1		ļ			
0511308-002	MW2	Water	11/14/05		В	A						·			i		4		 		.	
0511308-003	MW3	Water	11/14/05		В	Α								; ∔			1		ļ			ļ
0511308-004	MW4	Water	11/14/05		8	Α				ļ		<u> </u>		<u> </u>					ļ			
0511308-005	MW5	Water	11/14/05		В	Α						<u> </u>							<u> </u>			ļ
0511308-006	MW6	Water	11/14/05		В	Α				⊥_				1	Ì					ļ		<u> </u>
0511308-007	MW7	Water	11/14/05		В	Α		Ĺ				<u> </u>		ļ			_		+			
0511308-007	MW8	Water	11/14/05		В	Α]					1			

Test Legend:

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Prepared by: Melissa Valles

Comments:

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