R0370

P & D ENVIRONMENTAL
A Division of Paul H. King, Inc.
4020 Panama Court
Oakland, CA 94611
(510) 658-6916

May 7, 2004
Report 0055.R19

Mr. Manmohan Chopra
4216 Warbler Loop
Fremont, CA 94555

SUBJECT: GROUNDWATER MONITORING AND SAMPLING REPORT
Former Haber Oil Station
1401 Grand Avenue
San Leandro, California

Dear Mr. Chopra:

P&D Environmental (P&D) is pleased to present this report documenting the results of the most recent 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 February 20, 2004. A Site Location Map (Figure 1) and Site Plan (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.

MANMOHAN S. CHOPRA
23211- MARSHBROOK DR
HAYWARD CA 94545

MAY 17, 2004

ALAMEDA COUNTY DEPT. OF
ENVIROMENTAL HEALTH
1131- HARBOR BAY PARKWAY 2nd FLOOR
ALAMEDA CA 94502

ATTN: MS. DONNA DROGOS
REF: GAS STATION PROPERTY AT 1401- GRAND AVE. SAN LEANDRO
SUB: QUARTERLY GROUND WATER MONITORING REPORTS.

Dear ms. DROGOS,

Enclosed, ~~for~~ for your review + comments, please find Quarterly Ground water monitoring reports # 18, 19. Please review them and send me any comments you may have.

If I could be of any further assistance, please let me know.

Sincerely

MSChopra

MANMOHAN S. CHOPRA

TEL # 510- 785-0565

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 air-water 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

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.

The measured depth to water at or near the site on February 20, 2004 for all of the wells ranged from 36.91 to 40.23 feet. Since the previous monitoring on November 25, 2003, groundwater elevations have increased in all of the wells by between 1.41 feet and 1.77 feet. The groundwater flow direction on February 20, 2004 was to the northwest with a gradient of 0.050.

The groundwater flow direction and gradient have remained relatively unchanged since the previous water level measurements on November 25, 2003. The groundwater monitoring data are presented in Table 1. The groundwater flow direction at the site on February 20, 2004 is shown on Figure 2.

LABORATORY RESULTS

All of the groundwater samples collected from the monitoring wells were analyzed for TPH-G using EPA Method 5030 in conjunction with Modified EPA Method 8015 and for Volatile Organic Compounds (VOCs), including fuel oxygenates using EPA Method 8260 in accordance with a request from Ms. Eva Chu of the ACDEH.

The laboratory analytical results for the groundwater samples showed that TPH-G, BTEX, MTBE, and other VOCs were not detected in wells MW5, MW6, MW7, and MW8, except for 0.0011

mg/L MTBE in well MW6, 0.0013 mg/L tetrachloroethene in well MW7, and 0.00078 mg/L of chloroform in well MW8.

For all of the other wells, the laboratory results show that TPH-G was not detected in well MW4, was detected at concentrations below 0.3 mg/L in wells MW1 and MW3, and was detected at 61 mg/L in well MW2. MTBE was detected in wells MW1, MW2, MW3, and MW4 at concentrations of 0.18, 2.7, 0.73, and 6.6 mg/L, respectively. Benzene was not detected in wells MW3 and MW4, and was detected in wells MW1 and MW2 at concentrations of 0.0085 and 5.9 mg/L, respectively.

Since the previous sampling event, TPH-G concentrations have increased in well MW1, decreased in wells MW2 and MW3, and remained unchanged (not detected) in wells MW4 through MW8. In the laboratory report for well MW4, the reporting limit for TPH-G was raised due to high MTBE content. MTBE concentrations have increased in wells MW1, MW3 and MW6, decreased in wells MW4 and MW5, and remained unchanged in wells MW2, MW7, and MW8. Both this quarter and the previous quarter MTBE was not detected in wells MW7 and MW8. Benzene concentrations have increased in well MW1, decreased in well MW2, and remained unchanged (not detected) in wells MW3 through MW8.

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 February 20, 2004 for all of the monitoring wells (MW1 through MW8), the groundwater flow direction at the subject site is to the northwest with a gradient of 0.050. The groundwater flow direction and gradient have remained relatively unchanged since the previous monitoring event. TPH-G concentrations have increased in well MW1, decreased in wells MW2 and MW3, and remained unchanged (not detected) in wells MW4 through MW8. In the laboratory report for well MW4, the reporting limit for TPH-G was raised due to high MTBE content. MTBE concentrations have increased in wells MW1, MW3 and MW6, decreased in wells MW4 and MW5, and remained unchanged in wells MW2, MW7, and MW8. Both this quarter and the previous quarter MTBE was not detected in wells MW7 and MW8. Benzene concentrations have increased in well MW1, decreased in well MW2, and remained unchanged (not detected) in wells MW3 through MW8. Other than MTBE, no other fuel oxygenates were detected in the groundwater samples.

P&D recommends that the quarterly groundwater monitoring and sampling program be continued, and that the county be requested to consider the need for further testing for VOCs by EPA Method 8260.

DISTRIBUTION

Copies of this report should be forwarded to Ms. Donna Drogos 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 judgement 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

Paul H. King

Paul H. King
President
California Registered Geologist #5901
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/wrw/zep
0055.R19

May 7, 2004
Report 0055.R19

TABLE 1
WELL MONITORING DATA

Well No.	Date Monitored	Top of Casing Elev. (ft.)	Depth to Water (ft.)	Water Table Elev. (ft.)
MW1	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		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
MW2	2/20/04	86.61+	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		37.27	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:
Elevations are in feet Mean Sea Level.
ft. = Feet.
+ = Indicates survey data provided by Kier & Wright dated June 26, 1995.
++ = Indicates survey data provided by Aegis Environmental

TABLE 1 (Continued)
WELL MONITORING DATA

Well No.	Date Monitored	Top of Casing Elev. (ft.)	Depth to Water (ft.)	Water Table Elev. (ft.)
MW3	2/20/04	87.48+	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:
Elevations are in feet Mean Sea Level.
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.

TABLE 1 (Continued)
WELL MONITORING DATA

MW4	2/20/04	86.21+	36.91	49.30
	11/25/03		38.43	47.78
	7/15/03		38.04	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		36.96	49.25
	10/12/94		40.48	45.73
	7/05/94		39.69	46.52
	2/18/94		39.36	46.85
	9/29/92		44.29	41.92

NOTES:
Elevations are in feet Mean Sea Level.
ft. = Feet.
+ = Indicates survey data provided by Kier & Wright dated June 26, 1995.
++ = Indicates survey data provided by Aegis Environmental, Inc.

TABLE 1 (Continued)
WELL MONITORING DATA

Well No.	Date Monitored	Top of Casing Elev. (ft.)	Depth to Water (ft.)	Water Table Elev. (ft.)
MW5	2/20/04	89.10+	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		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
MW6	2/20/04	84.02+	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:
Elevations are in feet Mean Sea Level.
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.

TABLE 1 (Continued)
WELL MONITORING DATA

Well No.	Date Monitored	Top of Casing Elev. (ft.)	Depth to Water (ft.)	Water Table Elev. (ft.)
MW7	2/20/04	87.11+	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
	12/19/95		42.26	44.85
	6/23/95		41.00	46.11
	6/21/95**		40.30	46.81
MW8	2/20/04	89.70+	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 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.

April 19, 2004
Report 0055.R19

TABLE 2
GROUNDWATER
LABORATORY ANALYTICAL RESULTS
(MW1)

Date	TPH-G	MTBE	Benzene	Toluene	Ethyl-benzene	Total Xylenes	Other VOCs by EPA 8260
02/20/04	0.220	0.18	0.0085	ND<0.005	ND<0.005	0.0098	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	--
07/14/97	0.20	0.035	0.020	0.0055	0.0012	0.0023	--
03/11/97	0.60	0.014	0.053	0.00095	0.003	0.0015	--
06/21/96	1.4	0.019	0.30	0.0087	0.033	0.0098	--
03/28/96	1.3	0.022	0.32	0.0023	0.034	0.0046	--
12/19/95	0.50	0.0081	0.087	0.0015	0.011	0.0035	--
06/23/95	Not	Sampled					
05/4/95	2.4	--	0.67	0.0028	0.076	0.0060	--
02/01/95	4.6	--	1.8	0.0099	0.23	0.030	--
10/12/94	2.5	--	0.82	0.0039	0.10	0.020	--
07/05/94	3.0	--	1.3	0.0038	0.035	0.0025	--
09/29/92	3.1	--	0.16	ND	ND	0.0060	--

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.
Results are reported in milligrams per kilograms (mg/L), unless otherwise specified.

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

Date	TPH-G	MTBE	Benzene	Toluene	Ethyl-benzene	Total Xylenes	Other VOCs by EPA 8260
02/20/04	61	2.7	5.9	3.5	2.4	10	ND, except tert-Butyl benzene = 0.15 Napthalene = 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 Napthalene = 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 Naphthanlene = 0.43 1,2,4-Trimethylbenzene = 2.2 n-proylbenzene = 0.26 1,3,5-Trimethylbenzene = 0.55
01/20/03	48	3.8	2.9	3.0	2.0	11	ND, except Naphthanlene = 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	--

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.
Results are reported in milligrams per liter (mg/L), unless otherwise specified.

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

Date	TPH-G	MTBE	Benzene	Toluene	Ethyl-benzene	Total Xylenes	Other VOCs by EPA 8260
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	--
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.
Results are reported in milligrams per liter (mg/L), unless otherwise specified.

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

Date	TPH-G	MTBE	Benzene	Toluene	Ethyl-benzene	Total Xylenes	Other VOCs by EPA 8260
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	ND	ND	ND	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.
Results are reported in milligrams per liter (mg/L), unless otherwise specified.
b = heavier gasoline range compounds are significant (aged gasoline?)
c = lighter gasoline range compounds (the most notable faction) are significant

May 7, 2004
Report 0055.R19

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

Date	TPH-G	MTBE	Benzene	Toluene	Ethyl-benzene	Total Xylenes	Other VOCs by EPA 8260
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.
Results are reported in milligrams per liter (mg/L), unless otherwise specified.
a = Laboratory Report Note: reporting limit raised due to high MTBE content

May 7, 2004
Report 0055.R19

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

Date	TPH-G	MTBE	Benzene	Toluene	Ethyl-benzene	Total Xylenes	Other VOCs by EPA 8260
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	0.0014	ND	ND	ND	ND	ND
04/17/03	ND	ND	ND	ND	ND	ND	ND
01/20/03	ND	ND	ND	ND	ND	ND	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.
Results are reported in milligrams per liter (mg/L), unless otherwise specified.

May 7, 2004
Report 0055.R19

TABLE 2
GROUNDWATER
LABORATORY ANALYTICAL RESULTS
(MW1)

Date	TPH-G	MTBE	Benzene	Toluene	Ethyl-benzene	Total Xylenes	Other VOCs by EPA 8260
02/20/04	0.22	0.18	0.0085	ND<0.005	ND<0.005	0.0098	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	--
07/14/97	0.20	0.035	0.020	0.0055	0.0012	0.0023	--
03/11/97	0.60	0.014	0.053	0.00095	0.003	0.0015	--
06/21/96	1.4	0.019	0.30	0.0087	0.033	0.0098	--
03/28/96	1.3	0.022	0.32	0.0023	0.034	0.0046	--
12/19/95	0.50	0.0081	0.087	0.0015	0.011	0.0035	--
06/23/95	Not	Sampled					
05/4/95	2.4	--	0.67	0.0028	0.076	0.0060	--
02/01/95	4.6	--	1.8	0.0099	0.23	0.030	--
10/12/94	2.5	--	0.82	0.0039	0.10	0.020	--
07/05/94	3.0	--	1.3	0.0038	0.035	0.0025	--
09/29/92	3.1	--	0.16	ND	ND	0.0060	--

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.
Results are reported in milligrams per liter (mg/L), unless otherwise specified.

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

Date	TPH-G	MTBE	Benzene	Toluene	Ethyl-benzene	Total Xylenes	Other VOCs by EPA 8260
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	ND	ND	ND	ND	ND	ND, except Chloroform = 0.00084 1,2-Dibromo-3-chloropropane = 0.00066 Tetrachloroethene = 0.00067
04/17/03	ND	ND	ND	ND	ND	ND	ND, except Chloroform = 0.0012
01/20/03	ND	0.0012	ND	ND	ND	ND	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	--

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.
Results are reported in milligrams per liter (mg/L), unless otherwise specified.

May 7, 2004
Report 0055.R19

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

Date	TPH-G	MTBE	Benzene	Toluene	Ethyl-benzene	Total Xylenes	Other VOCs by EPA 8260
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 Tetrachloroethene = 0.00078
07/15/03	ND	ND	ND	ND	ND	ND	ND, except Chloroform = 0.00061 1,2-Dibromo-3-chloropropane = 0.00064 Tetrachloroethene = 0.0012
04/17/03	ND	ND	ND	ND	ND	ND	ND, except Chloroform = 0.00075 Tetrachloroethene = 0.0012
01/20/03	ND	ND	ND	ND	ND	ND	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.
Results are reported in milligrams per liter (mg/L), unless otherwise specified.

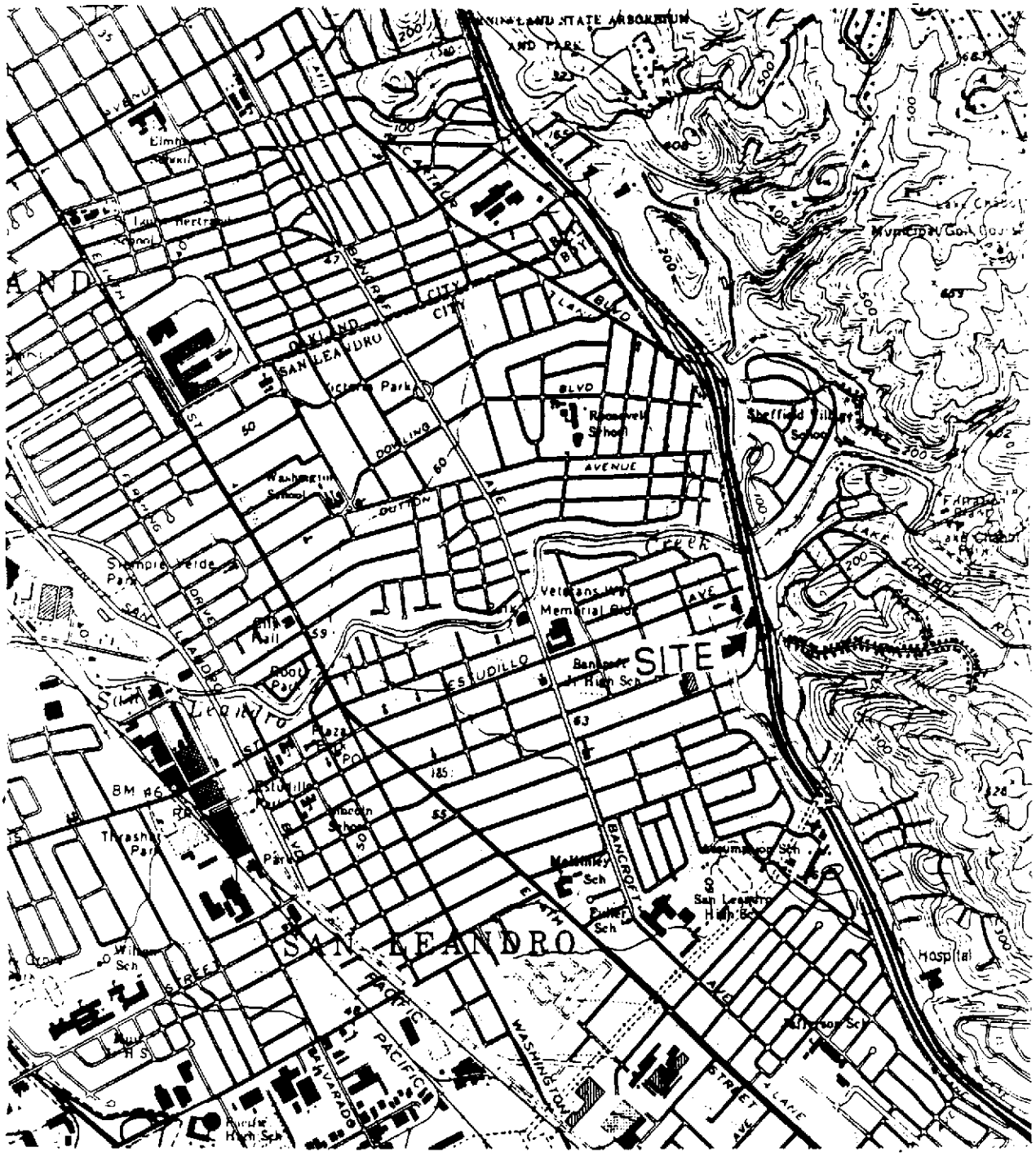
May 7, 2004
Report 0055.R19

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

Date	TPH-G	MTBE	Benzene	Toluene	Ethyl-benzene	Total Xylenes	Other VOCs by EPA 8260
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	ND	ND	ND	ND	0.00066	ND, except Chloroform = 0.0014 1,2-Dibromo-3-chloropropane = 0.00052
04/17/03	ND	ND	ND	ND	ND	ND	ND, except Chloroform = 0.0018
01/20/03	ND	ND	ND	ND	ND	ND	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.
Results are reported in milligrams per liter (mg/L), unless otherwise specified.

P & D ENVIRONMENTAL
A Division of Paul H. King, Inc.
4020 Panama Court
Oakland, CA 94611
(510) 658-6916



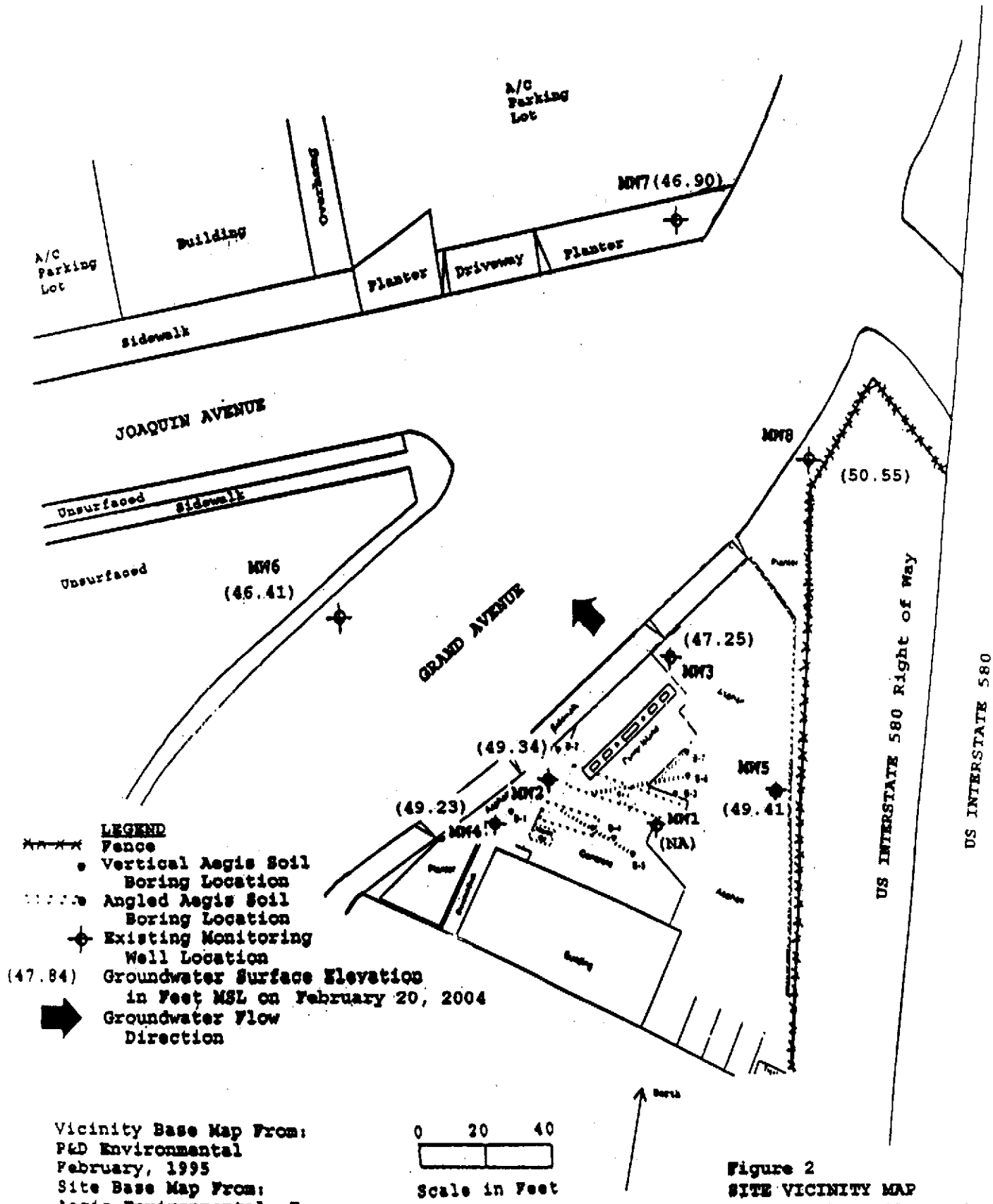
Base Map From:
U.S. Geological Survey
San Leandro, Calif.
7.5 Minute Quadrangle
Photorevised 1980

N

Scale in Feet
0 1000 2000 3000

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

P & D ENVIRONMENTAL
A Division of Paul H. King, Inc.
4020 Panama Court
Oakland, CA 94611
(510) 658-6916



Vicinity Base Map From:
P&D Environmental
February, 1995
Site Base Map From:
Aegis Environmental, Inc.
Problem Assessment Report
dated December 16, 1992

Figure 2
SITE VICINITY MAP
Former Haber Oil Station
1401 Grand Avenue
San Leandro, California

P&D ENVIRONMENTAL
GROUNDWATER MONITORING/WELL PURGING
DATA SHEET

Site Name Former Haber Oil
Well No. ~~MW3~~ MW1
Job No. 0055
Date 2/20/04
TOC to Water (ft.) 38.45
Sheen None
Well Depth (ft.) ~~55.3~~ 52.7
Free Product Thickness Ø
Well Diameter 4 in.
Sample Collection Method
Gal./Casing Vol. 9.2
Teflon bailer
E = 27.6

TIME	GAL. PURGED	pH	TEMPERATURE (°F)	ELECTRICAL CONDUCTIVITY (mS/cm)
3:16	3	7.66	63.5	0.71
3:21	8	7.60	64.7	0.72
3:24	13	7.52	64.7	0.72
3:28	18	7.55	64.4	0.68
3:31	23	7.58	64.3	0.67
3:32	28	7.63	64.1	0.66
3:45	Sampling time.			

NOTES: No PHC odor or sheen, but sour sewage odor on purge water

PURGE10.92

P&D ENVIRONMENTAL
GROUNDWATER MONITORING/WELL PURGING
DATA SHEET

Site Name Former Haber Oil | Well No. MW2

Job No. 0055 | Date 2/20/04

TOC to Water (ft.) 27.27 | Sheen None

Well Depth (ft.) 52.4 | Free Product Thickness Ø

Well Diameter 4in. | Sample Collection Method Teflon bailer

Gal./Casing Vol. 9.8 Σ: 29.4

TIME	GAL. PURGED	pH	TEMPERATURE (°F)	ELECTRICAL CONDUCTIVITY (mS/cm)
5:00	5	7.15	64.2	0.72
5:03	10	7.50	65.2	0.70
5:06	15	7.50	65.0	0.70
5:12	20	7.59	64.8	0.71
5:16	25	7.52	64.9	0.70
5:19	30	7.53	65.2	0.71
5:25	Sampling time.			

NOTES: Moderate PHC odor, but no sheen on purge water.

PURGE10.92

P&D ENVIRONMENTAL
GROUNDWATER MONITORING/WELL PURGING
DATA SHEET

Site Name Former Haber Oil — Well No. ~~MW1~~ MW3
Job No. 0055 — Date 2/20/04
TOC to Water (ft.) 40.23 — Sheen None
Well Depth (ft.) ~~52.7~~ 55.3 — Free Product Thickness 0
Well Diameter 4in. — Sample Collection Method Teflon bailer
Gal./Casing Vol. ~~8.1~~ 9.7 ~~E=24.3~~ 29.1

TIME	GAL. PURGED	pH	TEMPERATURE (°F)	ELECTRICAL CONDUCTIVITY (mS/cm)
2:18	2	7.61	63.2	0.61
2:22	7	7.55	64.0	0.61
2:29	~~12~~ 15	7.51	63.6	0.52
2:33	~~15~~ 20	7.57	63.8	0.59
2:40	~~20~~ 25	7.61	63.5	0.59
2:45	~~25~~ 30	7.65	63.8	0.60
2:50	Sampling time			

NOTES: Moderate PHC odor, but no sheen on purge water.

PURGE10.92

P&D ENVIRONMENTAL
GROUNDWATER MONITORING/WELL PURGING
DATA SHEET

Site Name Former Haber Oil | Well No. MW4

Job No. 0055 | Date 2/20/04

TOC to Water (ft.) 36.91 | Sheen None

Well Depth (ft.) 93.3 | Free Product Thickness 0

Well Diameter 4in. | Sample Collection Method

Gal./Casing Vol. 10.6 | Teflon bailer

E = 31.8

TIME	GAL. PURGED	pH	TEMPERATURE (°F)	ELECTRICAL CONDUCTIVITY (mS/cm)
4:09	5	7.71	64.1	8.01
4:12	10	7.73	65.0	0.78
4:16	15	7.69	64.7	low battery (w/ new batt
4:18	20	7.01	65.2	± 0.77
4:24	26	7.76	64.8	0.79
4:28	32	7.77	64.9	0.79
4:35	Sampling Time			

NOTES: No PHC odor or sheen on purge water.

PURGE10.92

P&D ENVIRONMENTAL
GROUNDWATER MONITORING/WELL PURGING
DATA SHEET

Site Name Former Haber 0.1 | Well No. MW5
Job No. 0055 | Date 2/20/04
TOC to Water (ft.) 39.69 | Sheen None
Well Depth (ft.) 54.7 | Free Product Thickness Ø
Well Diameter 4in | Sample Collection Method
Gal./Casing Vol. 9.7 Σ= 29.1 | Teflon bailer

TIME	GAL. PURGED	pH	TEMPERATURE (oF)	ELECTRICAL CONDUCTIVITY (mS/cm)
1:22	5	7.74	61.8	0.75
1:26	10	7.59	62.6	0.76
1:30	15	7.65	61.8	0.73
1:35	20	7.65	62.6	0.72
1:39	25	7.70	62.5	0.68
1:43	30	7.73	62.6	0.70
1:55	Sampling Time.			

NOTES: No PHC odor or sheen on purge water.

PURGE10.92

P&D ENVIRONMENTAL
GROUNDWATER MONITORING/WELL PURGING
DATA SHEET

Site Name Former Haber Oil 0055 | Well No. MW6
Job No. | Date 2/20/04
TOC to Water (ft.) 37.61 | Sheen None
Well Depth (ft.) 49.1 | Free Product Thickness 0
Well Diameter 2in | Sample Collection Method Teflon bailer
Gal./Casing Vol. 1.9 E=5.7

TIME	GAL. PURGED	pH	TEMPERATURE (°F)	ELECTRICAL CONDUCTIVITY (mS/cm)
12:11	1	8.06	64.6	0.61
12:12	2	7.97	64.8	0.62
12:13	3	7.94	64.9	0.63
12:14	4	7.96	64.9	0.62
12:15	5	7.97	64.9	0.65
12:15	6	7.97	65.0	0.63
12:20	Sampling time.			

NOTES: Water in Christie box below T.O.C.
No PtC odor on purge water.

PURGE10.92

P&D ENVIRONMENTAL
GROUNDWATER MONITORING/WELL PURGING
DATA SHEET

Site Name Former Haker Oil
Well No. MW7
Job No. 0055
Date 2/20/04
TOC to Water (ft.) 40.21
Sheen None
Well Depth (ft.) 49.8
Free Product Thickness 0
Well Diameter 2in.
Sample Collection Method Teflon bailer
Gal./Casing Vol. 1.6
E=5.4

TIME	GAL. PURGED	pH	TEMPERATURE (°F)	ELECTRICAL CONDUCTIVITY (mS/cm)
11:26	1	8.06	64.8	0.59
11:26	2	7.95	64.8	0.59
11:27	3	7.88	64.7	0.59
11:29	4	7.88	65.0	0.60
11:30	5	7.90	65.0	0.60
11:31	6	7.89	64.8	0.58
11:45	Sampling Time.			

NOTES: No HHC Odor on purge water.

PURGE10.92

P&D ENVIRONMENTAL
GROUNDWATER MONITORING/WELL PURGING
DATA SHEET

Site Name Former Hakes Oil — Well No. MW8

Job No. 0055 — Date 2/20/04

TOC to Water (ft.) 39.15 — Sheen None

Well Depth (ft.) 48.0 — Free Product Thickness Ø

Well Diameter 2in. — Sample Collection Method Teflon bailer

Gal./Casing Vol. 1.4 Σ=4.2

TIME	GAL. PURGED	pH	TEMPERATURE (°F)	ELECTRICAL CONDUCTIVITY (mS/cm)
10:34	0.5	8.40	60.6	0.41
10:35	1	8.15	61.9	0.45
10:35	1.8	8.12	62.4	0.50
10:36	3	8.09	62.6	0.56
10:36	3.5	8.07	62.7	0.57
10:37	4.5	8.06	62.7	0.58
10:45	Sampling time.			

NOTES: No PHC odor on purge water.

PURGE10.92

McCampbell Analytical, Inc.

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

P & D Environmental 4020 Panama Court Oakland, CA 94611-4931	Client Project ID: #0055; Former Haber Oil	Date Sampled: 02/23/04
		Date Received: 02/23/04
	Client Contact: Paul King	Date Extracted: 02/25/04-02/26/04
	Client P.O.:	Date Analyzed: 02/25/04-02/26/04

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline*

Extraction method: SW5030B Analytical methods: SW8015Cm Work Order: 0402301

Lab ID	Client ID	Matrix	TPH(g)	DF	% SS
001A	MW1	W	220,a	1	108
002A	MW2	W	61,000,a	100	107
003A	MW3	W	90,b,m	1	94.4
004A	MW4	W	ND<250,j	5	86.2
005A	MW5	W	ND	1	85.0
006A	MW6	W	ND	1	88.0
007A	MW7	W	ND	1	88.6
008A	MW8	W	ND	1	87.9

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

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

cluttered chromatogram; sample peak coelutes with surrogate peak.

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

DHS Certification No. 1644

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.

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

P & D Environmental	Client Project ID: #0055; Former Haber Oil	Date Sampled: 02/23/04
		Date Received: 02/23/04
4020 Panama Court	Client Contact: Paul King	Date Extracted: 02/25/04-02/26/04
Oakland, CA 94611-4931	Client P.O.:	Date Analyzed: 02/25/04-02/26/04

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

Extraction Method: SW5030B | Analytical Method: SW8260B | Work Order: 0402301

Lab ID	0402301-001B
Client ID	MW1
Matrix	Water

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND<50	10	5.0	Acrolein (Propenal)	ND<50	10	5.0
Acrylonitrile	ND<20	10	2.0	tert-Amyl methyl ether (TAME)	ND<5.0	10	0.5
Benzene	8.5	10	0.5	Bromobenzene	ND<5.0	10	0.5
Bromochloromethane	ND<5.0	10	0.5	Bromodichloromethane	ND<5.0	10	0.5
Bromoform	ND<5.0	10	0.5	Bromomethane	ND<5.0	10	0.5
2-Butanone (MEK)	ND<10	10	1.0	t-Butyl alcohol (TBA)	ND<50	10	5.0
n-Butyl benzene	ND<5.0	10	0.5	sec-Butyl benzene	ND<5.0	10	0.5
tert-Butyl benzene	ND<5.0	10	0.5	Carbon Disulfide	ND<5.0	10	0.5
Carbon Tetrachloride	ND<5.0	10	0.5	Chlorobenzene	ND<5.0	10	0.5
Chloroethane	ND<5.0	10	0.5	2-Chloroethyl Vinyl Ether	ND<10	10	1.0
Chloroform	ND<5.0	10	0.5	Chloromethane	ND<5.0	10	0.5
2-Chlorotoluene	ND<5.0	10	0.5	4-Chlorotoluene	ND<5.0	10	0.5
Dibromochloromethane	ND<5.0	10	0.5	1,2-Dibromo-3-chloropropane	ND<5.0	10	0.5
1,2-Dibromoethane (EDB)	ND<5.0	10	0.5	Dibromomethane	ND<5.0	10	0.5
1,2-Dichlorobenzene	ND<5.0	10	0.5	1,3-Dichlorobenzene	ND<5.0	10	0.5
1,4-Dichlorobenzene	ND<5.0	10	0.5	Dichlorodifluoromethane	ND<5.0	10	0.5
1,1-Dichloroethane	ND<5.0	10	0.5	1,2-Dichloroethane (1,2-DCA)	ND<5.0	10	0.5
1,1-Dichloroethene	ND<5.0	10	0.5	cis-1,2-Dichloroethene	ND<5.0	10	0.5
trans-1,2-Dichloroethene	ND<5.0	10	0.5	1,2-Dichloropropane	ND<5.0	10	0.5
1,3-Dichloropropane	ND<5.0	10	0.5	2,2-Dichloropropane	ND<5.0	10	0.5
1,1-Dichloropropene	ND<5.0	10	0.5	cis-1,3-Dichloropropene	ND<5.0	10	0.5
trans-1,3-Dichloropropene	ND<5.0	10	0.5	Diisopropyl ether (DIPE)	ND<5.0	10	0.5
Ethylbenzene	ND<5.0	10	0.5	Ethyl tert-butyl ether (ETBE)	ND<5.0	10	0.5
Hexachlorobutadiene	ND<5.0	10	0.5	Hexachloroethane	ND<5.0	10	0.5
2-Hexanone	ND<5.0	10	0.5	Isopropylbenzene	ND<5.0	10	0.5
4-Isopropyl toluene	ND<5.0	10	0.5	Methyl-t-butyl ether (MTBE)	180	10	0.5
Methylene chloride	ND<5.0	10	0.5	4-Methyl-2-pentanone (MIBK)	ND<5.0	10	0.5
Naphthalene	ND<5.0	10	0.5	Nitrobenzene	ND<100	10	10
n-Propyl benzene	ND<5.0	10	0.5	Styrene	ND<5.0	10	0.5
1,1,1,2-Tetrachloroethane	ND<5.0	10	0.5	1,1,2,2-Tetrachloroethane	ND<5.0	10	0.5
Tetrachloroethene	ND<5.0	10	0.5	Toluene	ND<5.0	10	0.5
1,2,3-Trichlorobenzene	ND<5.0	10	0.5	1,2,4-Trichlorobenzene	ND<5.0	10	0.5
1,1,1-Trichloroethane	ND<5.0	10	0.5	1,1,2-Trichloroethane	ND<5.0	10	0.5
Trichloroethene	ND<5.0	10	0.5	Trichlorofluoromethane	ND<5.0	10	0.5
1,2,3-Trichloropropane	ND<5.0	10	0.5	1,1,2-Trichloro-1,2,2-trifluoroethane	ND<100	10	10
1,2,4-Trimethylbenzene	ND<5.0	10	0.5	1,3,5-Trimethylbenzene	ND<5.0	10	0.5
Vinyl Chloride	ND<5.0	10	0.5	Xylenes	9.8	10	0.5

Surrogate Recoveries (%)

%SS1:	99.8	%SS2:	95.1
%SS3:	113		

Comments:

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

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

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

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

DHS Certification No. 1644

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.

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

P & D Environmental	Client Project ID: #0055; Former Haber Oil	Date Sampled: 02/23/04
		Date Received: 02/23/04
4020 Panama Court	Client Contact: Paul King	Date Extracted: 02/25/04-02/26/04
Oakland, CA 94611-4931	Client P.O.:	Date Analyzed: 02/25/04-02/26/04

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

Extraction Method: SW5030B | Analytical Method: SW8260B | Work Order: 0402301

Lab ID	0402301-002B
Client ID	MW2
Matrix	Water

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND<1000	200	5.0	Acrolein (Propenal)	ND<1000	200	5.0
Acrylonitrile	ND<400	200	2.0	tert-Amyl methyl ether (TAME)	ND<100	200	0.5
Benzene	5900	200	0.5	Bromobenzene	ND<100	200	0.5
Bromochloromethane	ND<100	200	0.5	Bromodichloromethane	ND<100	200	0.5
Bromoform	ND<100	200	0.5	Bromomethane	ND<100	200	0.5
2-Butanone (MEK)	ND<200	200	1.0	t-Butyl alcohol (TBA)	ND<1000	200	5.0
n-Butyl benzene	ND<100	200	0.5	sec-Butyl benzene	ND<100	200	0.5
tert-Butyl benzene	150	200	0.5	Carbon Disulfide	ND<100	200	0.5
Carbon Tetrachloride	ND<100	200	0.5	Chlorobenzene	ND<100	200	0.5
Chloroethane	ND<100	200	0.5	2-Chloroethyl Vinyl Ether	ND<200	200	1.0
Chloroform	ND<100	200	0.5	Chloromethane	ND<100	200	0.5
2-Chlorotoluene	ND<100	200	0.5	4-Chlorotoluene	ND<100	200	0.5
Dibromochloromethane	ND<100	200	0.5	1,2-Dibromo-3-chloropropane	ND<100	200	0.5
1,2-Dibromoethane (EDB)	ND<100	200	0.5	Dibromomethane	ND<100	200	0.5
1,2-Dichlorobenzene	ND<100	200	0.5	1,3-Dichlorobenzene	ND<100	200	0.5
1,4-Dichlorobenzene	ND<100	200	0.5	Dichlorodifluoromethane	ND<100	200	0.5
1,1-Dichloroethane	ND<100	200	0.5	1,2-Dichloroethane (1,2-DCA)	ND<100	200	0.5
1,1-Dichloroethene	ND<100	200	0.5	cis-1,2-Dichloroethene	ND<100	200	0.5
trans-1,2-Dichloroethene	ND<100	200	0.5	1,2-Dichloropropane	ND<100	200	0.5
1,3-Dichloropropane	ND<100	200	0.5	2,2-Dichloropropane	ND<100	200	0.5
1,1-Dichloropropene	ND<100	200	0.5	cis-1,3-Dichloropropene	ND<100	200	0.5
trans-1,3-Dichloropropene	ND<100	200	0.5	Diisopropyl ether (DIPE)	ND<100	200	0.5
Ethylbenzene	2400	200	0.5	Ethyl tert-butyl ether (ETBE)	ND<100	200	0.5
Hexachlorobutadiene	ND<100	200	0.5	Hexachloroethane	ND<100	200	0.5
2-Hexanone	ND<100	200	0.5	Isopropylbenzene	ND<100	200	0.5
4-Isopropyl toluene	ND<100	200	0.5	Methyl-t-butyl ether (MTBE)	2700	200	0.5
Methylene chloride	ND<100	200	0.5	4-Methyl-2-pentanone (MIBK)	ND<100	200	0.5
Naphthalene	230	200	0.5	Nitrobenzene	ND<2000	200	10
n-Propyl benzene	150	200	0.5	Styrene	ND<100	200	0.5
1,1,1,2-Tetrachloroethane	ND<100	200	0.5	1,1,2,2-Tetrachloroethane	ND<100	200	0.5
Tetrachloroethene	ND<100	200	0.5	Toluene	3500	200	0.5
1,2,3-Trichlorobenzene	ND<100	200	0.5	1,2,4-Trichlorobenzene	ND<100	200	0.5
1,1,1-Trichloroethane	ND<100	200	0.5	1,1,2-Trichloroethane	ND<100	200	0.5
Trichloroethene	ND<100	200	0.5	Trichlorofluoromethane	ND<100	200	0.5
1,2,3-Trichloropropane	ND<100	200	0.5	1,1,2-Trichloro-1,2,2-trifluoroethane	ND<2000	200	10
1,2,4-Trimethylbenzene	1300	200	0.5	1,3,5-Trimethylbenzene	330	200	0.5
Vinyl Chloride	ND<100	200	0.5	Xylenes	10,000	200	0.5

Surrogate Recoveries (%)

%SS1:	95.0	%SS2:	95.3
%SS3:	104		

Comments:

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

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

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

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

McCampbell Analytical, Inc.

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

P & D Environmental	Client Project ID: #0055; Former Haber Oil	Date Sampled: 02/23/04
		Date Received: 02/23/04
4020 Panama Court	Client Contact: Paul King	Date Extracted: 02/25/04-02/26/04
Oakland, CA 94611-4931	Client P.O.:	Date Analyzed: 02/25/04-02/26/04

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

Extraction Method: SW5030B | Analytical Method: SW8260B | Work Order: 0402301

Lab ID	0402301-003B
Client ID	MW3
Matrix	Water

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND<100	20	5.0	Acrolein (Propenal)	ND<100	20	5.0
Acrylonitrile	ND<40	20	2.0	tert-Amyl methyl ether (TAME)	ND<10	20	0.5
Benzene	ND<10	20	0.5	Bromobenzene	ND<10	20	0.5
Bromochloromethane	ND<10	20	0.5	Bromodichloromethane	ND<10	20	0.5
Bromoform	ND<10	20	0.5	Bromomethane	ND<10	20	0.5
2-Butanone (MEK)	ND<20	20	1.0	t-Butyl alcohol (TBA)	ND<100	20	5.0
n-Butyl benzene	ND<10	20	0.5	sec-Butyl benzene	ND<10	20	0.5
tert-Butyl benzene	ND<10	20	0.5	Carbon Disulfide	ND<10	20	0.5
Carbon Tetrachloride	ND<10	20	0.5	Chlorobenzene	ND<10	20	0.5
Chloroethane	ND<10	20	0.5	2-Chloroethyl Vinyl Ether	ND<20	20	1.0
Chloroform	ND<10	20	0.5	Chloromethane	ND<10	20	0.5
2-Chlorotoluene	ND<10	20	0.5	4-Chlorotoluene	ND<10	20	0.5
Dibromochloromethane	ND<10	20	0.5	1,2-Dibromo-3-chloropropane	ND<10	20	0.5
1,2-Dibromoethane (EDB)	ND<10	20	0.5	Dibromomethane	ND<10	20	0.5
1,2-Dichlorobenzene	ND<10	20	0.5	1,3-Dichlorobenzene	ND<10	20	0.5
1,4-Dichlorobenzene	ND<10	20	0.5	Dichlorodifluoromethane	ND<10	20	0.5
1,1-Dichloroethane	ND<10	20	0.5	1,2-Dichloroethane (1,2-DCA)	ND<10	20	0.5
1,1-Dichloroethene	ND<10	20	0.5	cis-1,2-Dichloroethene	ND<10	20	0.5
trans-1,2-Dichloroethene	ND<10	20	0.5	1,2-Dichloropropane	ND<10	20	0.5
1,3-Dichloropropane	ND<10	20	0.5	2,2-Dichloropropane	ND<10	20	0.5
1,1-Dichloropropene	ND<10	20	0.5	cis-1,3-Dichloropropene	ND<10	20	0.5
trans-1,3-Dichloropropene	ND<10	20	0.5	Diisopropyl ether (DIPE)	ND<10	20	0.5
Ethylbenzene	ND<10	20	0.5	Ethyl tert-butyl ether (ETBE)	ND<10	20	0.5
Hexachlorobutadiene	ND<10	20	0.5	Hexachloroethane	ND<10	20	0.5
2-Hexanone	ND<10	20	0.5	Isopropylbenzene	ND<10	20	0.5
4-Isopropyl toluene	ND<10	20	0.5	Methyl-t-butyl ether (MTBE)	730	20	0.5
Methylene chloride	ND<10	20	0.5	4-Methyl-2-pentanone (MIBK)	ND<10	20	0.5
Naphthalene	ND<10	20	0.5	Nitrobenzene	ND<200	20	10
n-Propyl benzene	ND<10	20	0.5	Styrene	ND<10	20	0.5
1,1,1,2-Tetrachloroethane	ND<10	20	0.5	1,1,2,2-Tetrachloroethane	ND<10	20	0.5
Tetrachloroethene	ND<10	20	0.5	Toluene	ND<10	20	0.5
1,2,3-Trichlorobenzene	ND<10	20	0.5	1,2,4-Trichlorobenzene	ND<10	20	0.5
1,1,1-Trichloroethane	ND<10	20	0.5	1,1,2-Trichloroethane	ND<10	20	0.5
Trichloroethene	ND<10	20	0.5	Trichlorofluoromethane	ND<10	20	0.5
1,2,3-Trichloropropane	ND<10	20	0.5	1,1,2-Trichloro-1,2,2-trifluoroethane	ND<200	20	10
1,2,4-Trimethylbenzene	ND<10	20	0.5	1,3,5-Trimethylbenzene	ND<10	20	0.5
Vinyl Chloride	ND<10	20	0.5	Xylenes	ND<10	20	0.5

Surrogate Recoveries (%)

%SS1:	99.4	%SS2:	94.4
%SS3:	112		

Comments:

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

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

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

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

DHS Certification No. 1644

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.

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

P & D Environmental	Client Project ID: #0055; Former Haber Oil	Date Sampled: 02/23/04
		Date Received: 02/23/04
4020 Panama Court	Client Contact: Paul King	Date Extracted: 02/25/04-02/26/04
Oakland, CA 94611-4931	Client P.O.:	Date Analyzed: 02/25/04-02/26/04

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

Extraction Method: SW5030B | Analytical Method: SW8260B | Work Order: 0402301

Lab ID	0402301-004B
Client ID	MW4
Matrix	Water

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND<1000	200	5.0	Acrolein (Propenal)	ND<1000	200	5.0
Acrylonitrile	ND<400	200	2.0	tert-Amyl methyl ether (TAME)	ND<100	200	0.5
Benzene	ND<100	200	0.5	Bromobenzene	ND<100	200	0.5
Bromochloromethane	ND<100	200	0.5	Bromodichloromethane	ND<100	200	0.5
Bromoform	ND<100	200	0.5	Bromomethane	ND<100	200	0.5
2-Butanone (MEK)	ND<200	200	1.0	t-Butyl alcohol (TBA)	ND<1000	200	5.0
n-Butyl benzene	ND<100	200	0.5	sec-Butyl benzene	ND<100	200	0.5
tert-Butyl benzene	ND<100	200	0.5	Carbon Disulfide	ND<100	200	0.5
Carbon Tetrachloride	ND<100	200	0.5	Chlorobenzene	ND<100	200	0.5
Chloroethane	ND<100	200	0.5	2-Chloroethyl Vinyl Ether	ND<200	200	1.0
Chloroform	ND<100	200	0.5	Chloromethane	ND<100	200	0.5
2-Chlorotoluene	ND<100	200	0.5	4-Chlorotoluene	ND<100	200	0.5
Dibromochloromethane	ND<100	200	0.5	1,2-Dibromo-3-chloropropane	ND<100	200	0.5
1,2-Dibromoethane (EDB)	ND<100	200	0.5	Dibromomethane	ND<100	200	0.5
1,2-Dichlorobenzene	ND<100	200	0.5	1,3-Dichlorobenzene	ND<100	200	0.5
1,4-Dichlorobenzene	ND<100	200	0.5	Dichlorodifluoromethane	ND<100	200	0.5
1,1-Dichloroethane	ND<100	200	0.5	1,2-Dichloroethane (1,2-DCA)	ND<100	200	0.5
1,1-Dichloroethene	ND<100	200	0.5	cis-1,2-Dichloroethene	ND<100	200	0.5
trans-1,2-Dichloroethene	ND<100	200	0.5	1,2-Dichloropropane	ND<100	200	0.5
1,3-Dichloropropane	ND<100	200	0.5	2,2-Dichloropropane	ND<100	200	0.5
1,1-Dichloropropene	ND<100	200	0.5	cis-1,3-Dichloropropene	ND<100	200	0.5
trans-1,3-Dichloropropene	ND<100	200	0.5	Diisopropyl ether (DIPE)	ND<100	200	0.5
Ethylbenzene	ND<100	200	0.5	Ethyl tert-butyl ether (ETBE)	ND<100	200	0.5
Hexachlorobutadiene	ND<100	200	0.5	Hexachloroethane	ND<100	200	0.5
2-Hexanone	ND<100	200	0.5	Isopropylbenzene	ND<100	200	0.5
4-Isopropyl toluene	ND<100	200	0.5	Methyl-t-butyl ether (MTBE)	6600	200	0.5
Methylene chloride	ND<100	200	0.5	4-Methyl-2-pentanone (MIBK)	ND<100	200	0.5
Naphthalene	ND<100	200	0.5	Nitrobenzene	ND<2000	200	10
n-Propyl benzene	ND<100	200	0.5	Styrene	ND<100	200	0.5
1,1,1,2-Tetrachloroethane	ND<100	200	0.5	1,1,2,2-Tetrachloroethane	ND<100	200	0.5
Tetrachloroethene	ND<100	200	0.5	Toluene	ND<100	200	0.5
1,2,3-Trichlorobenzene	ND<100	200	0.5	1,2,4-Trichlorobenzene	ND<100	200	0.5
1,1,1-Trichloroethane	ND<100	200	0.5	1,1,2-Trichloroethane	ND<100	200	0.5
Trichloroethene	ND<100	200	0.5	Trichlorofluoromethane	ND<100	200	0.5
1,2,3-Trichloropropane	ND<100	200	0.5	1,1,2-Trichloro-1,2,2-trifluoroethane	ND<2000	200	10
1,2,4-Trimethylbenzene	ND<100	200	0.5	1,3,5-Trimethylbenzene	ND<100	200	0.5
Vinyl Chloride	ND<100	200	0.5	Xylenes	ND<100	200	0.5

Surrogate Recoveries (%)

%SS1:	97.8	%SS2:	93.3
%SS3:	114		

Comments:

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

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

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

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

DHS Certification No. 1644

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.

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

P & D Environmental	Client Project ID: #0055; Former Haber Oil	Date Sampled: 02/23/04
		Date Received: 02/23/04
4020 Panama Court	Client Contact: Paul King	Date Extracted: 02/25/04-02/26/04
Oakland, CA 94611-4931	Client P.O.:	Date Analyzed: 02/25/04-02/26/04

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

Extraction Method: SW5030B | Analytical Method: SW8260B | Work Order: 0402301

Lab ID	0402301-005B
Client ID	MW5
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	1.0	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	1.0	0.5
Chloroethane	ND	1.0	0.5	2-Chloroethyl Vinyl Ether	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	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
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)	ND	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	ND	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	1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	10
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

Surrogate Recoveries (%)

%SS1:	101	%SS2:	93.4
%SS3:	110		

Comments:

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

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

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

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

DHS Certification No. 1644

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.

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

P & D Environmental	Client Project ID: #0055; Former Haber Oil	Date Sampled: 02/23/04
		Date Received: 02/23/04
4020 Panama Court	Client Contact: Paul King	Date Extracted: 02/25/04-02/26/04
Oakland, CA 94611-4931	Client P.O.:	Date Analyzed: 02/25/04-02/26/04

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

Extraction Method: SW5030B | Analytical Method: SW8260B | Work Order: 0402301

Lab ID	0402301-006B
Client ID	MW6
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	1.0	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	1.0	0.5
Chloroethane	ND	1.0	0.5	2-Chloroethyl Vinyl Ether	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	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
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)	1.1	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	ND	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	1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	10
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

Surrogate Recoveries (%)

%SS1:	102	%SS2:	94.1
%SS3:	111		

Comments:

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

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

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

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

DHS Certification No. 1644

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.

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

P & D Environmental	Client Project ID: #0055; Former Haber Oil	Date Sampled: 02/23/04
		Date Received: 02/23/04
4020 Panama Court	Client Contact: Paul King	Date Extracted: 02/25/04-02/26/04
Oakland, CA 94611-4931	Client P.O.:	Date Analyzed: 02/25/04-02/26/04

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

Extraction Method: SW5030B | Analytical Method: SW8260B | Work Order: 0402301

Lab ID	0402301-007B
Client ID	MW7
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	1.0	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	1.0	0.5
Chloroethane	ND	1.0	0.5	2-Chloroethyl Vinyl Ether	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	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
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)	ND	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	1.3	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	1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	10
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

Surrogate Recoveries (%)

%SS1:	102	%SS2:	95.4
%SS3:	112		

Comments:

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

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

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

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

DHS Certification No. 1644

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.

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

P & D Environmental	Client Project ID: #0055; Former Haber Oil	Date Sampled: 02/23/04
4020 Panama Court		Date Received: 02/23/04
	Client Contact: Paul King	Date Extracted: 02/25/04-02/26/04
Oakland, CA 94611-4931	Client P.O.:	Date Analyzed: 02/25/04-02/26/04

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

Extraction Method: SW5030B | Analytical Method: SW8260B | Work Order: 0402301

Lab ID	0402301-008B
Client ID	MW8
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	1.0	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	1.0	0.5
Chloroethane	ND	1.0	0.5	2-Chloroethyl Vinyl Ether	ND	1.0	1.0
Chloroform	0.78	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	0.5
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)	ND	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	ND	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	1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	10
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

Surrogate Recoveries (%)

%SS1:	99.7	%SS2:	94.6
%SS3:	112		

Comments:

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

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

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

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

McCampbell Analytical, Inc.

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

QC SUMMARY REPORT FOR SW8021B/8015Cm

Matrix: W WorkOrder: 0402301

EPA Method: SW8021B/8015Cm Extraction: SW5030B BatchID: 10452 Spiked Sample ID: 0402295-025A

	Sample	Spiked	MS*	MSD*	MS-MSD*	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	Low	High
TPH(btex)£	ND	60	107	111	4.04	108	105	2.21	70	130
MTBE	ND	10	89	96	7.52	91.2	95.6	4.78	70	130
Benzene	ND	10	105	113	7.90	107	110	2.35	70	130
Toluene	ND	10	103	109	5.54	105	107	2.73	70	130
Ethylbenzene	ND	10	100	112	10.8	107	111	3.49	70	130
Xylenes	ND	30	100	103	3.28	100	100	0	70	130
%SS:	102	10	102	110	7.64	103	104	0.381	70	130

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

NONE

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

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

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

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

cluttered chromatogram; sample peak coelutes with surrogate peak.

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

DHS Certification No. 1644

TLV QA/QC Officer

McCampbell Analytical, Inc.

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

QC SUMMARY REPORT FOR SW8260B

Matrix: W WorkOrder: 0402301

EPA Method: SW8260B Extraction: SW5030B BatchID: 10453 Spiked Sample ID: 0402304-001B

	Sample	Spiked	MS*	MSD*	MS-MSD*	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	Low	High
tert-Amyl methyl ether (TAME)	ND	10	103	108	4.87	121	110	9.58	70	130
Benzene	ND	10	125	125	0	128	126	1.12	70	130
t-Butyl alcohol (TBA)	ND	50	107	105	1.29	110	119	7.90	70	130
Chlorobenzene	ND	10	98.1	98.6	0.503	115	110	4.38	70	130
1,2-Dibromoethane (EDB)	ND	10	99.2	99.7	0.439	124	120	3.51	70	130
1,2-Dichloroethane (1,2-DCA)	ND	10	112	109	2.21	123	118	3.85	70	130
1,1-Dichloroethene	ND	10	91.6	87	5.07	96.8	93.1	3.84	70	130
Diisopropyl ether (DIPE)	ND	10	106	107	1.31	105	101	4.44	70	130
Ethyl tert-butyl ether (ETBE)	ND	10	103	105	2.09	113	107	5.52	70	130
Methyl-t-butyl ether (MTBE)	10.45	10	98	101	1.30	117	110	6.38	70	130
Toluene	ND	10	93.5	95	1.64	110	107	3.27	70	130
Trichloroethene	ND	10	80.9	81.2	0.378	88.2	84.7	4.04	70	130
%SS1:	101	10	98.9	98.8	0.0741	96.6	95.2	1.48	70	130
%SS2:	101	10	93.3	93.5	0.169	97.8	98.9	1.09	70	130
%SS3:	106	10	106	109	2.66	108	109	0.967	70	130

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

NONE

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

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

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

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

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

DHS Certification No. 1644

TL QA/QC Officer

P&D

P & D ENVIRONMENTAL
A Division of Paul H. King, Inc.
4020 Panama Court
Oakland, CA 94611
(510) 658-6916

0402301

CHAIN OF CUSTODY RECORD

PAGE 1 OF 1

PROJECT NUMBER:	PROJECT NAME:
0055	Former Haber Oil

SAMPLED BY: (PRINTED AND SIGNATURE)
Wilhelm Welzenbach Wilhelm Welzenbach

SAMPLE NUMBER	DATE	TIME	TYPE	SAMPLE LOCATION	NUMBER OF CONTAINERS	ANALYSIS(ES): TPH(g)	BTEX by 8260 + Fuel Oxygenates + Lead Scavengers	PRESERVATIVE	REMARKS
MW1	2/23/04		water		5	X	X	ICE	Normal Turnaround
MW2						X	X		
MW3						X	X		
MW4						X	X		
MW5						X	X		
MW6						X	X		
MW7						X	X		
MW8						X	X		

ICE/t° ✓
GOOD CONDITION ✓
HEAD SPACE ABSENT ✓
DECHLORINATED IN LAB
APPROPRIATE CONTAINERS ✓
PRESERVED IN LAB

PRESERVATION	VOAS	O&G	METALS	OTHER

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	TOTAL NO. OF SAMPLES (THIS SHIPMENT) 8	LABORATORY: McCampbell Analytical
Wilhelm Welzenbach			2/23 12:00	TOTAL NO. OF CONTAINERS (THIS SHIPMENT) 40	
RELINQUISHED BY: (SIGNATURE)	DATE 2/23	TIME 5:50	RECEIVED BY: (SIGNATURE) Mel Valla	LABORATORY CONTACT: Angela Rydelius	LABORATORY PHONE NUMBER: (925) 798-1620
RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED FOR LABORATORY BY: (SIGNATURE)	SAMPLE ANALYSIS REQUEST SHEET ATTACHED: ( )YES (X)NO	

REMARKS: VOAs preserved w HCl