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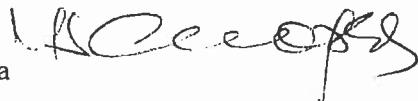
Mr. Mark Detterman
Alameda County Environmental Health Care Services
Department of Environmental Health
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502

Re: Haber Oil Product
1401 Grand Avenue, San Leandro, CA
ACEHD Case # RO0000370, GeoTracker ID T0600101827

Dear Mr. Detterman:

I declare, under penalty of perjury, that the information and or recommendations contained in the attached document are true and correct to the best of my knowledge.

Sincerely,
Mohan Chopra



January 24, 2013
Project No. 2120-1401-01

Mr. Mark Detterman
Alameda County Health Care Services Agency
Environmental Health Department
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577

Re: **Quarterly Groundwater Monitoring Report – Fourth Quarter 2012**
Haber Oil Product, 1401 Grand Avenue, San Leandro, CA
ACEHD Case # RO0000370, GeoTracker ID T0600101827

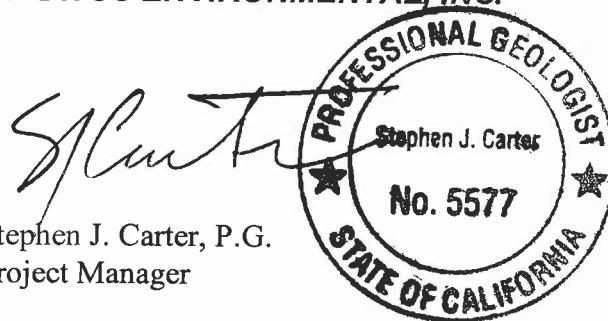
Dear Mr. Detterman:

Stratus Environmental, Inc. (Stratus) is submitting the attached report which presents an update of work performed during the fourth quarter 2012 on behalf of Mr. Mohan Chopra, for the Haber Oil Product site located at 1401 Grand Avenue, San Leandro, California. This report has been prepared in compliance with Alameda County Environmental Health Department (ACEHD) and California Regional Water Quality Control Board (RWQCB) requirements for underground storage tank (UST) investigations. I declare, under penalty of perjury that the information and/or recommendations contained in the attached report is true and correct.

If you have any questions regarding this report, please contact Steve Carter at (530) 676-6008.

Sincerely,

STRATUS ENVIRONMENTAL, INC.



Stephen J. Carter, P.G.
Project Manager

A handwritten signature in black ink.

Gowri S. Kowtha, P.E.
Principal Engineer

Attachment: Quarterly Groundwater Monitoring Report, Fourth Quarter 2012

cc: Mr. Mohan Chopra
 Ms. Cherie Mc Caulou, SFBRWQCB

**HABER OIL PRODUCT
QUARTERLY GROUNDWATER MONITORING REPORT**

Facility Address: 1401 Grand Avenue, San Leandro, CA

Consulting Co. / Contact Person: Stratus Environmental, Inc. / Steve Carter, P.G.

Consultant Project No: 2120-1401-01

Primary Agency/Regulatory ID No: Mark Detterman, Alameda County Environmental Health Department (ACEHD) / Case # RO0000370

WORK PERFORMED THIS QUARTER (Fourth Quarter 2012):

1. On November 6, 2012, Stratus conducted quarterly groundwater monitoring and sampling activities. During this event, wells MW-1R, MW-2R, and MW-3 through MW-10 were gauged for depth to water and evaluated for the presence of free product. Following gauging, wells MW-1R, MW-2R, MW-3, MW-4, MW-6, and MW-8 through MW-10 were purged, and groundwater samples were collected. Groundwater samples were forwarded to a state-certified analytical laboratory for analysis. Tabulated historical groundwater elevation and analytical data are summarized in Tables 1 and 2. Field data sheets, sampling procedures, and laboratory analytical reports are included as Attachments A, B, and C, respectively.
2. Morrow Surveying returned to the site on November 6, 2012 to resurvey monitoring well MW-10.
3. Stratus submitted a *Well Installation and Destruction and Additional Subsurface Site Assessment Report* (dated September 21, 2012) to ACEHD on September 24, 2012. This report recommended a soil vapor extraction (SVE) pilot test/remediation event to address impact in the vadose zone.

WORK PROPOSED FOR NEXT QUARTER (First Quarter 2013):

1. The monitoring and sampling schedule for this site was modified by ACEHD in a letter dated March 28, 2012. Per this letter, all wells will be gauged for depth to water during the first quarter 2013, and subjectively analyzed for the presence of free product. Wells MW-1R, MW-2R, MW-9 and MW-10 will be purged, and groundwater samples will be collected from these wells.
2. Upon concurrence with the recommendations in the *Well Installation and Destruction and Additional Subsurface Site Assessment Report*, Stratus will implement the pilot test/remediation event.

Current Phase of Project:	<u>Soil and Water Investigation (SWI)</u>
Frequency of Groundwater Monitoring:	<u>All Wells = Quarterly through 2Q13</u>
Frequency of Groundwater Sampling:	<u>MW-1R, MW-2R, MW-9, MW-10: 1/4ly through 2Q13. MW-3 & MW-4: Semi-Annual (2Q/4Q). MW-5 through MW-8: Annual (2Q).</u>
Groundwater Sampling Date:	<u>November 6, 2012</u>
Is Free Product (FP) Present on Site:	<u>No</u>
Approximate Depth to Groundwater:	<u>38.82 to 42.00 ft bgs</u>
Groundwater Flow Direction:	<u>Northwest</u>
Groundwater Gradient:	<u>0.04 to 0.05 ft/ft</u>

DISCUSSION:

Stratus conducted groundwater monitoring and sampling activities on November 6, 2012. During this event, wells MW-1R, MW-2R, and MW-3 through MW-10 were gauged for depth to water and evaluated for the presence of free product. Following gauging, wells MW-1R, MW-2R, MW-3, MW-4, MW-6, and MW-8 through MW-10 were purged and sampled. Groundwater samples were analyzed at a state-certified analytical laboratory for gasoline range organics (GRO) and oil range organics (ORO) by EPA Method SW8015B/DHS LUFT Manual, and for a full volatile organics scan by EPA Method SW8260B. Tabulated historical groundwater elevation and analytical data are summarized in Tables 1 and 2.

At the time of the November 2012 monitoring event, groundwater levels had decreased between 1.48 and 1.75 feet in all wells since the previous monitoring event (May 17, 2012). Depth-to-water measurements were converted to feet above mean sea level (MSL) and used to construct a groundwater elevation contour map (Figure 3). Groundwater flow direction was to the northwest at a gradient of approximately 0.04 to 0.05 ft/ft. This appears consistent with historical data. Installation of wells MW-1R, MW-2R, MW-9 and MW-10 in July 2012 did not alter our interpretation of groundwater flow beneath the site.

Petroleum hydrocarbons were reported in four of the sampled wells. Oil range hydrocarbons were not reported in any of the wells this quarter. GRO was reported in wells MW-1R, MW-2R, and MW-3 at concentrations of 4,100 micrograms per liter ($\mu\text{g/L}$), 18,000 $\mu\text{g/L}$, and 130 $\mu\text{g/L}$, respectively. Benzene was reported in well MW-2 (1,200 $\mu\text{g/L}$), and MTBE was reported in wells MW-1R (13 $\mu\text{g/L}$), MW-2R (190 $\mu\text{g/L}$), MW-3 (13 $\mu\text{g/L}$) and MW-4 (2.3 $\mu\text{g/L}$). TAME was reported in wells MW-1R (3.4 $\mu\text{g/L}$) and MW-2R (41 $\mu\text{g/L}$) and TBA was reported in wells MW-3 and MW-4 with a maximum concentration reported in well MW-4 (81 $\mu\text{g/L}$). Concentrations of DIPE, ETBE, EDB, or 1,2-DCA were not reported in any of the wells, however, reporting limits for the sample from well MW-1R and MW-2R were raised due to high concentrations of target analytes. Analytical results of GRO, benzene and MTBE are presented in Figure 4.

Fuel hydrocarbon concentrations in replacement well MW-1R do not appear consistent with the historical trends in well MW-1; however, well MW-1R was installed approximately 20 feet from well MW-1. Concentrations in replacement well MW-2R are generally consistent with historical data for well MW-2. The reported concentrations in wells MW-3 and MW-4 are consistent with the decreasing trends historically observed in these wells. The absence of reported fuel hydrocarbon concentrations in wells MW-5 through MW-8 are consistent with historical data. Based on these data, the lateral extent of the dissolved fuel hydrocarbon plume has been adequately characterized.

Non-fuel hydrocarbons were reported in six of the eight sampled wells. Well MW-1R contained n-propyl benzene (20 $\mu\text{g/L}$) and isopropyl benzene (6.1 $\mu\text{g/L}$), and well MW-2R contained naphthalene (180 $\mu\text{g/L}$), n-propyl benzene (160 $\mu\text{g/L}$), 1,2,4-trimethyl benzene (930 $\mu\text{g/L}$), 1,3,5-trimethyl benzene (210 $\mu\text{g/L}$), and isopropyl benzene (56 $\mu\text{g/L}$). Low levels of chloroform were reported in wells MW-6 (1.1 $\mu\text{g/L}$), MW-8 (1.8 $\mu\text{g/L}$), and MW-10 (1.2 $\mu\text{g/L}$), and PCE was reported in well MW-9 (2.1 $\mu\text{g/L}$). Based on these data, the lateral extent of n-propyl benzene, isopropyl benzene, naphthalene, 1,2,4-trimethylbenzene and 1,3,5-trimethylbenzene have been adequately characterized. The reported concentrations of chloroform in the well network are well below the primary Maximum Contaminant Level (MCL) of 80 $\mu\text{g/L}$. PCE is only reported in two wells at the northern edge of the well network, and these concentrations are below the primary MCL of 5 $\mu\text{g/L}$. Based on these data, the lateral extent of the dissolved non-fuel hydrocarbon plume has been adequately characterized.

Based on current and historical analytical data, the lateral extent of the dissolved fuel hydrocarbon plume appears to be adequately characterized. Historical groundwater flow is predominantly to the west-northwest. Dissolved petroleum hydrocarbons are not reported in downgradient wells MW-6, MW-9 and MW-10, or in cross gradient well MW-8. MTBE is reported in well MW-4, but since October 2011 concentrations have been below the primary Maximum Contaminant Level (MCL) of 5 $\mu\text{g/L}$. The dissolved fuel hydrocarbon plume appears limited to the vicinity of the former USTs and dispensers, extending partially under Grand Avenue. The overall length of the dissolved plume appears to be approximately 100 feet. Vertical extent of the dissolved hydrocarbon impact was adequately characterized during drilling and well installation activities in July 2012; impact appears limited to approximately 60 feet bgs.

Non-fuel volatile organic hydrocarbon compounds were reported in well MW-1R (n-propyl benzene, isopropyl benzene) and well MW-2R (naphthalene, n-propyl benzene, isopropyl benzene 1,2,4-trimethylbenzene, and 1,3,5-trimethylbenzene) at concentrations above current water quality goals. Non-fuel volatile organic hydrocarbon compounds were also reported in wells MW-6 (chloroform), MW-7 (PCE), MW-8 (chloroform), MW-9 (PCE) and MW-10 (chloroform), but the concentrations in these wells were below water quality objectives. The lateral extent of dissolved non-fuel volatile organic hydrocarbons has been adequately characterized, and appears limited to the vicinity of wells MW-1R and MW-2R. The vertical extent of the dissolved non-fuel volatile organic hydrocarbon impact was adequately characterized during drilling and well installation activities in July 2012.

ATTACHMENTS:

- Table 1 Groundwater Elevation and Analytical Summary
- Table 2 Volatile Organic Compound Analytical Summary
- Figure 1 Site Location Map
- Figure 2 Site Plan
- Figure 3 Groundwater Elevation Contour Map (Fourth Quarter 2012)
- Figure 4 Groundwater Analytical Summary (Fourth Quarter 2012)
- Appendix A Field Data Sheets
- Appendix B Sampling and Analyses Procedures
- Appendix C Laboratory Analytical Reports and Chain-of-Custody Documentation
- Appendix D GeoTracker Electronic Submittal Confirmations

TABLE 1
GROUNDWATER ELEVATION AND ANALYTICAL SUMMARY
Haber Oil Product
1401 Grand Avenue, San Leandro, California

Well Number	Date Collected	Depth to Water (feet)	Well Elevation (ft msl)	Groundwater Elevation (ft msl)	ORO ($\mu\text{g/L}$)	GRO ($\mu\text{g/L}$)	Benzene ($\mu\text{g/L}$)	Toluene ($\mu\text{g/L}$)	Ethyl-benzene ($\mu\text{g/L}$)	Total Xylenes ($\mu\text{g/L}$)	MTBE ($\mu\text{g/L}$)	DIPE ($\mu\text{g/L}$)	ETBE ($\mu\text{g/L}$)	TAME ($\mu\text{g/L}$)	1,2-DCA ($\mu\text{g/L}$)	EDB ($\mu\text{g/L}$)	TBA ($\mu\text{g/L}$)
MW-1	09/29/92	42.77	87.96	45.21	--	3,100	160	<5.0	<5.0	6.0	--	--	--	--	--	--	--
	02/18/94	41.02		46.96	--	--	--	--	--	--	--	--	--	--	--	--	--
	07/05/94	41.36		46.62	--	3,000[b,c]	1,300	3.8	35	2.5	--	--	--	--	--	--	--
	10/12/94	42.01		45.97	--	2500[b,c]	820	3.9	100	20	--	--	--	--	--	--	--
	02/01/95	38.46		49.52	--	4600[b,c]	1,800	9.9	230	30	--	--	--	--	--	--	--
	05/04/95	37.65		50.33	--	2400[b,c]	670	2.8	76	6.0	--	--	--	--	--	--	--
	06/23/95	38.54	87.98	49.44	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/19/95	40.16		47.82	--	500	87	1.5	11	3.5	8.1	--	--	--	--	--	--
	03/28/96	37.10		50.88	--	1300[b,c]	320	2.3	34	4.6	22	--	--	--	--	--	--
	06/21/96	38.56		49.42	--	1,400	300	8.7	33	9.8	19	--	--	--	--	--	--
	03/11/97	36.90		51.08	--	600[b,c]	53	0.95	3.0	1.5	14	--	--	--	--	--	--
	07/14/97 ¹	39.45		--	--	200[c]	20	0.55	1.2	2.3	35	--	--	--	--	--	--
	01/25/98	33.70		--	--	300[b,c]	21	0.73	0.76	1.0	<14	--	--	--	--	--	--
	02/17/99	34.58		--	--	970	67	120	9.3	58	290	--	--	--	--	--	--
	01/20/03	38.21		--	--	170	<5.0	<5.0	<5.0	<5.0	85	<5.0	<5.0	<5.0	<5.0	<5.0	<50
	04/17/03	38.91		--	--	52	1.1	<1.0	<1.0	<1.0	56	<1.0	<1.0	<1.0	<1.0	<1.0	13
	07/15/03	39.60		--	--	60	<1.0	<1.0	<1.0	<1.0	53	<1.0	<1.0	<1.0	<1.0	<1.0	12
	11/25/03	40.00		--	--	140	2.5	<0.5	<0.5	<0.5	32	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0
	02/20/04	38.45		--	--	220	8.5	<5.0	<5.0	9.8	180	<5.0	<5.0	<5.0	<5.0	<5.0	<50
	06/03/04	39.59		--	--	59	<2.5	<2.5	<2.5	<2.5	130	<2.5	<2.5	<2.5	<2.5	<2.5	<25
	08/31/04	40.35		--	--	<50	<0.5	<0.5	<0.5	<0.5	31	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0
	02/09/05	38.02		--	--	130	<10	<10	<10	<10	790	<10	<10	<10	<10	<10	<100
	06/22/05	37.91		--	--	<50	<5.0	<5.0	<5.0	<5.0	320	<5.0	<5.0	<5.0	<5.0	<5.0	<50
	08/31/05	39.27		--	--	<50	<2.5	<2.5	<2.5	<2.5	140	<2.5	<2.5	<2.5	<2.5	<2.5	<25
	11/14/05	39.77		--	--	<50	<0.5	<0.5	<0.5	<0.5	49	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0
	02/15/06	36.88		--	--	95[a]	<5.0	<5.0	<5.0	<5.0	180	<5.0	<5.0	<5.0	<5.0	<5.0	<50
	06/15/06	36.37		--	--	<50	<5.0	<5.0	<5.0	<5.0	280	<5.0	<5.0	<5.0	<5.0	<5.0	<50
	01/11/07	38.87		--	--	<50	<2.5	<2.5	<2.5	<2.5	92	<2.5	<2.5	<2.5	<2.5	<2.5	<25
	05/23/07	39.35		--	--	<50	<1.0	<1.0	<1.0	<1.0	72	<1.0	<1.0	<1.0	<1.0	<1.0	<10
	04/11/11	36.18	90.70	54.52	--	<50	<0.50	<0.50	<0.50	<0.50	7.3	<1.0	<1.0	<1.0	<1.0	<2.0	<10
	10/13/11	39.47		51.23	<500	<50	<0.50	<0.50	<0.50	<0.50	2.4	<1.0	<1.0	<1.0	<1.0	<2.0	<10
	05/17/12	38.67		52.03	<500	<50	<0.50	<0.50	<0.50	<0.50	4.1	<1.0	<1.0	<1.0	<1.0	<2.0	<10
Well Destroyed - July 2012																	
MW-1R	08/09/12	--	90.07	--	--	4,000	<1.0[1]	<1.0[1]	4.6	1.4	63	<2.0[1]	<2.0[1]	5.3	<2.0[1]	<4.0[1]	<20[1]
	11/06/12	40.16		49.91	<500	4,100	<1.0[1]	<1.0[1]	2.9	<1.0[1]	13	<2.0[1]	<2.0[1]	3.4	<2.0[1]	<4.0[1]	<20[1]

TABLE 1
GROUNDWATER ELEVATION AND ANALYTICAL SUMMARY
Haber Oil Product
1401 Grand Avenue, San Leandro, California

Well Number	Date Collected	Depth to Water (feet)	Well Elevation (ft msl)	Groundwater Elevation (ft msl)	ORO ($\mu\text{g/L}$)	GRO ($\mu\text{g/L}$)	Benzene ($\mu\text{g/L}$)	Toluene ($\mu\text{g/L}$)	Ethyl-benzene ($\mu\text{g/L}$)	Total Xylenes ($\mu\text{g/L}$)	MTBE ($\mu\text{g/L}$)	DIPE ($\mu\text{g/L}$)	ETBE ($\mu\text{g/L}$)	TAME ($\mu\text{g/L}$)	1,2-DCA ($\mu\text{g/L}$)	EDB ($\mu\text{g/L}$)	TBA ($\mu\text{g/L}$)
MW-2	09/29/92	41.55	86.60	45.06	--	20,000	4,600	3,800	260	3,300	--	--	--	--	--	--	--
	02/18/94	39.81		46.80	--	--	--	--	--	--	--	--	--	--	--	--	--
	07/05/94	40.13		46.48	--	46,000	9,100	7,000	1,400	7,300	--	--	--	--	--	--	--
	10/12/94	40.77		45.84	--	24,000	4,400	2,800	730	3,500	--	--	--	--	--	--	--
	02/01/95	37.27		49.34	--	45,000	7,000	5,100	1,200	6,100	--	--	--	--	--	--	--
	05/04/95	36.54	86.61	50.07	--	63,000	10,000	11,000	1,600	8,800	--	--	--	--	--	--	--
	06/23/95	37.40		49.21	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/19/95	38.80		47.81	--	25,000	5,200	3,800	860	3,800	450	--	--	--	--	--	--
	03/28/96	35.97		50.64	--	38,000	5,800	4,700	1,100	5,100	450	--	--	--	--	--	--
	06/21/96	37.90		49.31	--	49,000	6,600	6,300	1,400	6,200	530	--	--	--	--	--	--
	03/11/97	35.71		50.90	--	28,000	4,000	4,500	990	4,300	710	--	--	--	--	--	--
	07/14/97	38.46		48.15	--	43,000	6,200	8,900	1,500	7,400	1,600	--	--	--	--	--	--
	01/25/98	32.80		53.81	--	24,000	2,700	4,900	700	4,000	2,700	--	--	--	--	--	--
	02/17/99	33.51		53.10	--	7,300	67	120	9.3	58	560	--	--	--	--	--	--
	01/20/03	37.04		49.57	--	48,000	2,900	3,000	2,000	11,000	3,800	<50	<50	<50	<50	<50	<500
	04/17/03	37.50		49.11	--	57,000	3,400	5,100	2,800	10,000	5,600	<120	<120	<120	<120	<120	<1,200
	07/15/03	38.15		48.46	--	78,000	3,300	4,400	1,800	9,300	4,100	<120	<120	<120	<120	<120	<1,200
	11/25/03	38.68		47.93	--	65,000	6,800	8,800	2,900	16,000	2,700	<250	<250	<250	<250	<250	<2,500
	02/20/04	37.27		49.34	--	61,000	5,900	3,500	2,400	10,000	2,700	<100	<100	<100	<100	<100	<1,000
	06/03/04	38.32		48.29	--	50,000	5,400	4,200	2,200	8,800	3,900	<100	<100	<100	<100	<100	<1,000
	08/31/04	39.07		47.54	--	43,000	4,400	2,300	2,300	8,200	2,700	<50	<50	<50	<50	<50	<500
	02/10/05	37.15		49.46	--	46,000	5,800	3,600	1,800	7,900	5,600	<100	<100	<100	<100	<100	<1,000
	06/22/05	36.76		49.85	--	37,000	5,500	1,400	2,500	8,600	3,900	<100	<100	<100	<100	<100	<1,000
	08/31/05	38.00		48.61	--	43,000	5,800	2,300	2,300	8,300	3,600	<100	<100	<100	<100	<100	<1,000
	11/14/05	38.50		48.11	--	42,000	4,500	2,100	1,500	6,300	2,000	<50	<50	<50	<50	<50	<500
	02/15/06	35.78		50.83	--	38,000	3,700	2,700	2,000	6,600	2,000	<100	<100	<100	<100	<100	<1,000
	06/15/06	35.22		51.39	--	12,000	1,100	1,100	740	2,600	260	<50	<50	<50	<50	<50	<500
	01/11/07	37.51		49.10	--	18,000	1,300	790	790	3,000	400	<50	<50	<50	<50	<50	<500
	05/23/07	38.11		48.50	--	22,000	1,700	690	1,100	3,200	670	<50	<50	<50	<50	<50	<500
	04/11/11	34.97	89.29	54.32	--	25,000	1,600	1,900	1,600	6,100	210	<40[1]	<40[1]	<40[1]	<40[1]	<80[1]	<400[1]
	10/13/11	38.25		51.04	<500	5,700	450	190	350	980	64	<10[1]	<10[1]	<10[1]	<10[1]	<20[1]	<100[1]
	05/17/12	37.43		51.86	<500	12,000	1,100	420	850	2,550	150	<40[1]	<40[1]	<40[1]	<40[1]	<80[1]	<400[1]
Well Destroyed - July 2012																	
MW-2R	08/09/12	--	88.81	--	--	30,000	1,500	1,300	1,500	5,000	340	<40[1]	<40[1]	<40[1]	<40[1]	<80[1]	<400[1]
	11/06/12	38.82		49.99	<500	18,000	1,200	180	1,300	2,180	190	<20[1]	<20[1]	41	<20[1]	<40[1]	<200[1]

TABLE 1
GROUNDWATER ELEVATION AND ANALYTICAL SUMMARY
Haber Oil Product
1401 Grand Avenue, San Leandro, California

Well Number	Date Collected	Depth to Water (feet)	Well Elevation (ft msl)	Groundwater Elevation (ft msl)	ORO ($\mu\text{g/L}$)	GRO ($\mu\text{g/L}$)	Benzene ($\mu\text{g/L}$)	Toluene ($\mu\text{g/L}$)	Ethyl-benzene ($\mu\text{g/L}$)	Total Xylenes ($\mu\text{g/L}$)	MTBE ($\mu\text{g/L}$)	DIPE ($\mu\text{g/L}$)	ETBE ($\mu\text{g/L}$)	TAME ($\mu\text{g/L}$)	1,2-DCA ($\mu\text{g/L}$)	EDB ($\mu\text{g/L}$)	TBA ($\mu\text{g/L}$)
MW-3	09/29/92	44.60	87.50	42.88	--	Free product (0.02 feet thick)											
	02/18/94	43.09		44.39	--	--	--	--	--	--	--	--	--	--	--	--	--
	07/05/94	43.32		44.16	--	3,600[b,c]	1,600	8.3	76	47	--	--	--	--	--	--	--
	10/12/94	43.92		43.56	--	1,700[b,c]	390	0.90	18	5.7	--	--	--	--	--	--	--
	02/01/95	40.13		47.35	--	11,000[b,c]	4,200	31	330	290	--	--	--	--	--	--	--
	05/04/95	39.61		47.87	--	7,200[b,c]	3,100	38	200	62	--	--	--	--	--	--	--
	06/23/95	40.65	87.48	46.83	--	--	--	--	--	--	--	--	--	--	--	--	--
	12/19/95	42.20		45.28	--	950	160	2.3	15	1.6	120	--	--	--	--	--	--
	03/28/96	38.75		48.73	--	4,600	1,400	12	170	20	1,100	--	--	--	--	--	--
	06/21/96	40.61		46.87	--	1,300	94	2.1	39	2.0	300	--	--	--	--	--	--
	03/11/97	38.71		48.77	--	1,100	53	13	63	17	680	--	--	--	--	--	--
	07/14/97	40.61		46.87	--	400[a,b]	0.93	1.0	1.3	0.68	110	--	--	--	--	--	--
	01/25/98	33.91		53.57	--	490	7.9	6.1	5.3	29	710	--	--	--	--	--	--
	02/17/99	34.91		52.57	--	<50	<0.50	<0.50	<0.50	<0.50	21	--	--	--	--	--	--
	01/20/03	39.81		47.67	--	120	<5.0	<5.0	<5.0	5.2	250	<5.0	<5.0	<5.0	<5.0	<5.0	<50
	04/17/03	40.60		46.88	--	180	<6.7	<6.7	<6.7	<6.7	340	<6.7	<6.7	<6.7	<6.7	<6.7	<67
	07/15/03	41.34		46.14	--	160	<12	<12	<12	<12	660	<12	<12	<12	<12	<12	<120
	11/25/03	41.70		45.78	--	110	<5.0	<5.0	<5.0	<5.0	330	<5.0	<5.0	<5.0	<5.0	<5.0	<50
	02/20/04	40.23		47.25	--	90	<10	<10	<10	<10	730	<10	<10	<10	<10	<10	<100
	06/03/04	41.34		46.14	--	110[a]	<50	<50	<50	<50	1,400	<50	<50	<50	<50	<50	<500
	08/31/04	42.03		45.45	--	110[a]	<10	<10	<10	<10	860	<10	<10	<10	<10	<10	<100
	02/10/05	40.11		47.37	--	1,000	<50	<50	<50	270	2,700	<50	<50	<50	<50	<50	830
	06/22/05	39.78		47.70	--	3,900	<100	<100	<100	690	5,600	<100	<100	<100	<100	<100	<1,000
	08/31/05	41.12		46.36	--	490[a,b]	<50	<50	<50	<50	2,500	<50	<50	<50	<50	<50	<500
	11/14/05	41.51		45.97	--	210[a]	<25	<25	<25	<25	1,500	<25	<25	<25	<25	<25	<250
	02/15/06	38.56		48.92	--	560[a,b]	<50	<50	<50	<50	2,600	<50	<50	<50	<50	<50	<500
	06/15/06	38.12		49.36	--	2,700	<100	<100	<100	120	610	4,300	<100	<100	<100	<100	<1,000
	01/11/07	40.68		46.80	--	240[b]	<10	<10	<10	<10	860	<10	<10	<10	<10	<10	<100
	05/23/07	41.27		46.21	--	160[a,e]	<25	<25	<25	<25	1,000	<25	<25	<25	<25	<25	<250
	04/11/11	37.35	90.15	52.80	--	390	<0.50	<0.50	<0.50	<0.50	600	<1.0	<1.0	1.1	<1.0	<2.0	120
	10/13/11	41.28		48.87	<500	150	<0.50	<0.50	0.71	1.4	100	<1.0	<1.0	<1.0	<1.0	<2.0	110
	05/17/12	40.34		49.81	<500	190	<0.50	<0.50	<0.50	<0.50	140	<1.0	<1.0	<1.0	<1.0	<2.0	200
	11/06/12	42.00		48.15	<500	130	<0.50	<0.50	<0.50	<0.50	13	<1.0	<1.0	<1.0	<1.0	<2.0	78

TABLE 1
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Haber Oil Product
1401 Grand Avenue, San Leandro, California

Well Number	Date Collected	Depth to Water (feet)	Well Elevation (ft msl)	Groundwater Elevation (ft msl)	ORO ($\mu\text{g/L}$)	GRO ($\mu\text{g/L}$)	Benzene ($\mu\text{g/L}$)	Toluene ($\mu\text{g/L}$)	Ethyl-benzene ($\mu\text{g/L}$)	Total Xylenes ($\mu\text{g/L}$)	MTBE ($\mu\text{g/L}$)	DIPE ($\mu\text{g/L}$)	ETBE ($\mu\text{g/L}$)	TAME ($\mu\text{g/L}$)	1,2-DCA ($\mu\text{g/L}$)	EDB ($\mu\text{g/L}$)	TBA ($\mu\text{g/L}$)
MW-4	09/29/92	44.29	86.20	41.92	--	630	170	60	7.3	65	--	--	--	--	--	--	
	02/18/94	39.36		46.85	--	--	--	--	--	--	--	--	--	--	--	--	
	07/05/94	39.69		46.52	--	2,600[b,c]	470	45	84	250	--	--	--	--	--	--	
	10/12/94	40.48		45.73	--	680	140	8.7	14	52	--	--	--	--	--	--	
	02/01/95	36.96		49.25	--	1,400	390	55	49	180	--	--	--	--	--	--	
	05/04/95	36.33		49.88	--	3,300	890	68	150	300	--	--	--	--	--	--	
	06/23/95	37.40	86.21	48.81	--	--	--	--	--	--	--	--	--	--	--	--	
	12/19/95	38.45		47.76	--	2,000	700	29	89	150	210	--	--	--	--	--	
	03/28/96	35.00		51.21	--	5,600	1,400	38	310	300	640	--	--	--	--	--	
	06/21/96	37.12		49.04	--	11,000	2,400	83	530	910	1,200	--	--	--	--	--	
	03/11/97	33.24		52.97	--	3,800	1,100	53	240	260	1,100	--	--	--	--	--	
	07/14/97	38.10		48.11	--	980	210	1.7	90	46	400	--	--	--	--	--	
	01/25/98	32.96		53.25	--	910	150	19	31	140	230	--	--	--	--	--	
	02/17/99	33.43		52.78	--	230	65	2.2	9.6	33	200	--	--	--	--	--	
	01/20/03	36.70		49.51	--	210	<50	<50	<50	<50	3,000	<50	<50	<50	<50	<500	
	04/17/03	37.32		48.89	--	380	<120	<120	<120	<120	5,400	<120	<120	<120	<120	<1,200	
	07/15/03	38.04		48.17	--	440	<120	<120	<120	<120	6,800	<120	<120	<120	<120	<1,200	
	11/25/03	38.43		47.78	--	<1,000[d]	<250	<250	<250	<250	8,800	<250	<250	<250	<250	<2,500	
	02/20/04	36.91		49.30	--	<250[d]	<100	<100	<100	<100	6,600	<100	<100	<100	<100	<1,000	
	06/03/04	38.01		48.20	--	320	<100	<100	<100	<100	6,200	<100	<100	<100	<100	<1,000	
	08/31/04	38.68		47.53	--	<250[d]	<50	<50	<50	<50	3,900	<50	<50	<50	<50	<500	
	02/10/05	36.99		49.22	--	390	<100	<100	<100	<100	6,600	<100	<100	<100	<100	<1,000	
	06/22/05	36.54		49.67	--	59	<25	<25	<25	<25	1,000	<25	<25	<25	<25	<250	
	08/31/05	37.81		48.40	--	64	<25	<25	<25	<25	1,500	<25	<25	<25	<25	<250	
	11/14/05	38.26		47.95	--	130	<50	<50	<50	<50	1,700	<50	<50	<50	<50	<500	
	02/15/06	35.57		50.64	--	220	<17	<17	<17	<17	1,100	<17	<17	<17	<17	<170	
	06/15/06	35.17		51.04	--	75	<25	<25	<25	<25	550	<25	<25	<25	<25	<250	
	01/11/07	37.38		48.83	--	69	<10	<10	<10	<10	780	<10	<10	<10	<10	<100	
	05/23/07	38.05		48.16	--	<50	<5	<5	<5	<5	280	<5.0	<5.0	<5.0	<5.0	<50	
	04/11/11	34.85	88.88	54.03	--	<50	<0.50	<0.50	0.68	0.96	16	<1.0	<1.0	<1.0	<1.0	<2.0	
	10/13/11	37.92		50.96	<500	<50	0.86	<0.50	<0.50	<0.50	2.6	<1.0	<1.0	<1.0	<1.0	<2.0	
	05/17/12	37.16		51.72	<500	<50	<0.50	<0.50	<0.50	<0.50	2.9	<1.0	<1.0	<1.0	<1.0	42	
	11/06/12	38.90		49.98	<500	<50	<0.50	<0.50	<0.50	<0.50	2.3	<1.0	<1.0	<1.0	<1.0	81	

TABLE 1
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Haber Oil Product
1401 Grand Avenue, San Leandro, California

Well Number	Date Collected	Depth to Water (feet)	Well Elevation (ft msl)	Groundwater Elevation (ft msl)	ORO ($\mu\text{g/L}$)	GRO ($\mu\text{g/L}$)	Benzene ($\mu\text{g/L}$)	Toluene ($\mu\text{g/L}$)	Ethyl-benzene ($\mu\text{g/L}$)	Total Xylenes ($\mu\text{g/L}$)	MTBE ($\mu\text{g/L}$)	DIPE ($\mu\text{g/L}$)	ETBE ($\mu\text{g/L}$)	TAME ($\mu\text{g/L}$)	1,2-DCA ($\mu\text{g/L}$)	EDB ($\mu\text{g/L}$)	TBA ($\mu\text{g/L}$)
MW-5	09/29/92	44.53	89.06	44.57	--	60	10	7.1	<0.5	6.9	--	--	--	--	--	--	
	02/18/94	42.88		46.22	--	--	--	--	--	--	--	--	--	--	--	--	
	07/05/94	43.08		46.02	--	<50[b]	<0.5	<0.5	<0.5	1.0	--	--	--	--	--	--	
	10/12/94	43.81		45.29	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	
	02/01/95	39.94		49.16	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	
	05/04/95	38.94		50.16	--	<50	<0.5	<0.5	<0.5	<0.5	--	--	--	--	--	--	
	06/23/95	39.87	89.10	49.23	--	--	--	--	--	--	--	--	--	--	--	--	
	12/19/95	41.79		47.31	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	
	03/28/96	38.30		50.80	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	
	06/21/96	40.03		49.07	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	
	03/11/97	38.02		51.08	--	<50	<0.5	<0.5	<0.5	0.77	<5.0	--	--	--	--	--	
	07/14/97	41.20		47.90	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	
	01/25/98	34.08		55.02	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	
	02/17/99	35.08		54.02	--	170[a]	<0.5	0.74	<0.5	<0.5	<5.0	--	--	--	--	--	
	01/20/03	39.50		49.60	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<10	
	04/17/03	39.92		49.18	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	
	07/15/03	41.06		48.04	--	<50	<0.5	<0.5	<0.5	<0.5	1.4	<0.5	<0.5	<0.5	<0.5	<5.0	
	11/25/03	41.41		47.69	--	<50	<0.5	<0.5	<0.5	<0.5	0.84	<0.5	<0.5	<0.5	<0.5	<5.0	
	02/20/04	39.69		49.41	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	
	06/03/04	40.95		48.15	--	<50	<0.5	<0.5	<0.5	<0.5	7.2	<0.5	<0.5	<0.5	<0.5	<5.0	
	08/31/04	41.75		47.35	--	<50	<0.5	<0.5	<0.5	<0.5	2.5	<0.5	<0.5	<0.5	<0.5	<5.0	
	02/09/05	39.49		49.61	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	
	06/22/05	39.28		49.82	--	<50	<0.5	<0.5	<0.5	<0.5	2.2	<0.5	<0.5	<0.5	<0.5	<5.0	
	08/31/05	40.68		48.42	--	<50	<0.5	<0.5	<0.5	<0.5	2.7	<0.5	<0.5	<0.5	<0.5	<5.0	
	11/14/05	41.11		47.99	--	<50	<0.5	<0.5	<0.5	<0.5	0.51	<0.5	<0.5	<0.5	<0.5	<5.0	
	02/15/06	38.08		51.02	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	
	06/14/06	37.46		51.64	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	
	01/11/07	40.55		48.55	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	
	05/23/07	40.86		48.24	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0	
	04/11/11	37.25	91.79	54.54	--	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<1.0	<1.0	<10	
	10/13/11	40.98		50.81	<500	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<1.0	<1.0	<1.0	<10	
	05/17/12	40.02		51.77	<500	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<1.0	<1.0	<1.0	<10	
	11/06/12	41.77		50.02	--	--	--	--	--	--	--	--	--	--	--	--	

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Well Number	Date Collected	Depth to Water (feet)	Well Elevation (ft msl)	Groundwater Elevation (ft msl)	ORO ($\mu\text{g/L}$)	GRO ($\mu\text{g/L}$)	Benzene ($\mu\text{g/L}$)	Toluene ($\mu\text{g/L}$)	Ethyl-benzene ($\mu\text{g/L}$)	Total Xylenes ($\mu\text{g/L}$)	MTBE ($\mu\text{g/L}$)	DIPE ($\mu\text{g/L}$)	ETBE ($\mu\text{g/L}$)	TAME ($\mu\text{g/L}$)	1,2-DCA ($\mu\text{g/L}$)	EDB ($\mu\text{g/L}$)	TBA ($\mu\text{g/L}$)
MW-6	06/23/95	38.17	84.02	45.85	--	<50	<0.5	<0.5	<0.5	<0.5	3.0	--	--	--	--	--	--
	12/19/95	39.25		44.77	--	<50	<0.5	<0.5	<0.5	<0.5	10	--	--	--	--	--	--
	03/28/96	36.18		47.84	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--
	06/21/96	38.00		46.02	--	<50	<0.5	<0.5	<0.5	<0.5	8.0	--	--	--	--	--	--
	03/11/97	36.32		47.70	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--
	07/14/97	39.04		44.98	--	<50	<0.5	<0.5	<0.5	<0.5	19	--	--	--	--	--	--
	01/25/98	31.64		52.38	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--
	02/17/99	32.82		51.20	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--
	01/20/03	37.21		46.81	--	<50	<0.5	<0.5	<0.5	<0.5	1.2	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0
	04/17/03	38.00		46.02	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0
	07/15/03	38.61		45.41	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0
	11/25/03	38.97		45.05	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0
	02/20/04	37.61		46.41	--	<50	<0.5	<0.5	<0.5	<0.5	1.1	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0
	06/03/04	38.64		45.38	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0
	08/31/04	39.27		44.75	--	<50	<0.5	<0.5	<0.5	<0.5	0.51	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0
	02/09/05	37.51		46.51	--	<50	<0.5	<0.5	<0.5	<0.5	2.0	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0
	06/22/05	37.30		46.72	--	<50	<0.5	<0.5	<0.5	<0.5	0.80	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0
	08/31/05	38.51		45.51	--	<50	<0.5	<0.5	<0.5	<0.5	1.4	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0
	11/14/05	38.83		45.19	--	<50	<0.5	<0.5	<0.5	<0.5	0.73	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0
	02/15/06	36.13		47.89	--	<50	<0.5	<0.5	<0.5	<0.5	2.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0
	06/14/06	35.86		48.16	--	<50	<1.0	<1.0	<1.0	<1.0	72	<1.0	<1.0	<1.0	<1.0	<1.0	<10
	01/11/07	39.74		44.28	--	<50	<0.5	<0.5	<0.5	<0.5	7.7	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0
	05/24/07	38.80		45.22	--	<50	<0.5	<0.5	<0.5	<0.5	4.7	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0
	04/11/11	34.93	86.73	51.80	--	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<1.0	<1.0	<2.0	<10
	10/13/11	38.58		48.15	<500	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<1.0	<1.0	<1.0	<2.0	<10
	05/17/12	37.74		48.99	<500	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<1.0	<1.0	<1.0	<2.0	<10
	11/06/12	39.22		47.51	<500	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<1.0	<1.0	<1.0	<2.0	<10

TABLE 1
GROUNDWATER ELEVATION AND ANALYTICAL SUMMARY
Haber Oil Product
1401 Grand Avenue, San Leandro, California

Well Number	Date Collected	Depth to Water (feet)	Well Elevation (ft msl)	Groundwater Elevation (ft msl)	ORO ($\mu\text{g/L}$)	GRO ($\mu\text{g/L}$)	Benzene ($\mu\text{g/L}$)	Toluene ($\mu\text{g/L}$)	Ethyl-benzene ($\mu\text{g/L}$)	Total Xylenes ($\mu\text{g/L}$)	MTBE ($\mu\text{g/L}$)	DIPE ($\mu\text{g/L}$)	ETBE ($\mu\text{g/L}$)	TAME ($\mu\text{g/L}$)	1,2-DCA ($\mu\text{g/L}$)	EDB ($\mu\text{g/L}$)	TBA ($\mu\text{g/L}$)
MW-7	06/23/95	41.00	87.11	46.11	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--
	12/19/95	42.26		44.85	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--
	03/28/96	38.94		48.17	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--
	06/21/96	40.80		46.31	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--
	03/11/97	38.96		48.15	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--
	07/14/97	41.97		45.14	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--
	01/25/98	33.47		53.64	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--
	02/17/99	34.59		52.52	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--
	01/20/03	39.77		47.34	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0
	04/17/03	40.63		46.48	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0
	07/15/03	41.30		45.81	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0
	11/25/03	41.68		45.43	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0
	02/20/04	40.21		46.90	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0
	06/03/04	41.33		45.78	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0
	08/31/04	41.94		45.17	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0
	02/09/05	40.03		47.08	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0
	06/22/05	39.85		47.26	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0
	08/31/05	41.16		45.95	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0
	11/14/05	41.48		45.93	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0
	02/15/06	38.59		48.52	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0
	06/14/06	38.59		48.52	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0
	01/11/07	40.73		46.38	--	<50	<0.5	9.7	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0
	05/24/07	41.18		45.93	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0
	04/11/11	37.08	89.69	52.61	--	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<1.0	<1.0	<1.0	<10
	10/13/11	41.18		48.51	<500	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<1.0	<1.0	<1.0	<2.0	<10
	05/17/12	40.23		49.46	<500	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<1.0	<1.0	<2.0	<2.0	<10
	11/06/12	41.82		47.87	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE 1
GROUNDWATER ELEVATION AND ANALYTICAL SUMMARY
Haber Oil Product
1401 Grand Avenue, San Leandro, California

Well Number	Date Collected	Depth to Water (feet)	Well Elevation (ft msl)	Groundwater Elevation (ft msl)	ORO ($\mu\text{g/L}$)	GRO ($\mu\text{g/L}$)	Benzene ($\mu\text{g/L}$)	Toluene ($\mu\text{g/L}$)	Ethyl-benzene ($\mu\text{g/L}$)	Total Xylenes ($\mu\text{g/L}$)	MTBE ($\mu\text{g/L}$)	DIPE ($\mu\text{g/L}$)	ETBE ($\mu\text{g/L}$)	TAME ($\mu\text{g/L}$)	1,2-DCA ($\mu\text{g/L}$)	EDB ($\mu\text{g/L}$)	TBA ($\mu\text{g/L}$)
MW-8	06/23/95	38.36	89.70	51.34	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--
	12/19/95	40.35		49.35	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--
	03/28/96	36.98		52.72	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--
	06/21/96	38.69		51.01	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--
	03/11/97	36.74		52.96	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--
	07/14/97	39.98		49.72	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--
	01/25/98	32.73		56.97	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--
	02/17/99	33.92		55.78	--	<50	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	--	--	--
	01/20/03	38.94		50.76	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0
	04/17/03	39.52		50.18	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0
	07/15/03	40.50		49.20	--	<50	<0.5	<0.5	<0.5	0.66	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0
	11/25/03	40.92		48.78	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0
	02/20/04	39.15		50.55	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0
	06/03/04	40.36		49.34	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0
	08/31/04	41.19		48.51	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0
	02/09/05	38.93		50.77	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0
	06/22/05	38.43		51.27	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0
	08/31/05	39.95		49.75	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0
	11/14/05	40.40		49.30	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0
	02/15/06	37.44		52.26	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0
	06/14/06	36.53		53.17	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0
	01/11/07	38.00		51.70	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0
	05/23/07	40.23		49.47	--	<50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0
	04/11/11	36.35	92.41	56.06	--	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<1.0	<1.0	<2.0	<10
	10/13/11	40.15		52.26	<500	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<1.0	<1.0	<2.0	<10
	05/17/12	39.20		53.21	<500	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<1.0	<1.0	<2.0	<10
	11/06/12	40.92		51.49	<500	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<1.0	<1.0	<2.0	<10
MW-9	08/09/12	--	89.06	--	--	<50	1.1	<0.50	<0.50	<0.50	<0.50	<1.0	<1.0	<1.0	<1.0	<2.0	<10
	11/06/12	41.30		47.76	<500	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<1.0	<1.0	<1.0	<2.0	<10
MW-10	08/09/12	--	86.95	--	--	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<1.0	<1.0	<1.0	<2.0	<10
	11/06/12	39.70		47.25	<500	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<1.0	<1.0	<1.0	<2.0	<10

TABLE 1
GROUNDWATER ELEVATION AND ANALYTICAL SUMMARY
Haber Oil Product
1401 Grand Avenue, San Leandro, California

Well Number	Date Collected	Depth to Water (feet)	Well Elevation (ft msl)	Groundwater Elevation (ft msl)	ORO ($\mu\text{g/L}$)	GRO ($\mu\text{g/L}$)	Benzene ($\mu\text{g/L}$)	Toluene ($\mu\text{g/L}$)	Ethyl-benzene ($\mu\text{g/L}$)	Total Xylenes ($\mu\text{g/L}$)	MTBE ($\mu\text{g/L}$)	DIPE ($\mu\text{g/L}$)	ETBE ($\mu\text{g/L}$)	TAME ($\mu\text{g/L}$)	1,2-DCA ($\mu\text{g/L}$)	EDB ($\mu\text{g/L}$)	TBA ($\mu\text{g/L}$)
Note:																	
-- = Not sampled/not available																	
msl = Mean sea level																	
$\mu\text{g/L}$ = micrograms per liter																	
¹ = Top of casing modified and not re-surveyed.																	
a = No recognizable pattern.																	
b = Heavier gasoline range compounds are significant (aged gasoline?).																	
c = Lighter gasoline range compounds (the most notable fraction) are significant.																	
d = Laboratory report note: Reporting limit raised due to high MTBE content.																	
e = Laboratory report note: Lighter than water immiscible sheen/product present.																	
[1] = Reporting limits were increased due to high concentration of target analytes.																	
GRO = Gasoline Range Organics C4-C13 ORO = Oil Range Organics C22-C40+ MTBE = Methyl tert-butyl ether DIPE = Di-isopropyl ether ETBE = Ethyl tertiary butyl ether TAME = Tertiary amyl methyl ether 1,2-DCA = 1,2-dichloroethane EDB = 1,2-dibromoethane TBA = Tertiary butyl alcohol																	
Wells MW-1R, -2R, -9, and VE-1 and VE-2 were surveyed on July 26, 2012 by Morrow Surveying. Elevation of well MW-10 was unable to be surveyed on this date, and a resurvey of this well was completed on November 6, 2012.																	
<i>Data prior to April 11, 2011, taken from reports prepared by P&D Environmental.</i>																	

TABLE 2
VOLATILE ORGANIC COMPOUND ANALYTICAL SUMMARY
Haber Oil Product
1401 Grand Avenue, San Leandro, California

Well Number	Date Collected	PCE (µg/L)	Naphthalene (µg/L)	n-Propyl benzene (µg/L)	1,2,4-Trimethyl benzene (µg/L)	1,3,5-Trimethyl benzene (µg/L)	Tert-butyl benzene (µg/L)	Isopropyl benzene (µg/L)	Chloroform (µg/L)	DBCP (µg/L)	Styrene (µg/L)	Propenal (µg/L)
MW-1	09/29/92	--	--	--	--	--	--	--	--	--	--	--
	02/18/94	--	--	--	--	--	--	--	--	--	--	--
	07/05/94	--	--	--	--	--	--	--	--	--	--	--
	10/12/94	--	--	--	--	--	--	--	--	--	--	--
	02/01/95	--	--	--	--	--	--	--	--	--	--	--
	05/04/95	--	--	--	--	--	--	--	--	--	--	--
	06/23/95	--	--	--	--	--	--	--	--	--	--	--
	12/19/95	--	--	--	--	--	--	--	--	--	--	--
	03/28/96	--	--	--	--	--	--	--	--	--	--	--
	06/21/96	--	--	--	--	--	--	--	--	--	--	--
	03/11/97	--	--	--	--	--	--	--	--	--	--	--
	07/14/97	--	--	--	--	--	--	--	--	--	--	--
	01/25/98	--	--	--	--	--	--	--	--	--	--	--
	02/17/99	--	--	--	--	--	--	--	--	--	--	--
	01/20/03	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	--
	04/17/03	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--
	07/15/03	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	--
	11/25/03	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	--
	02/20/04	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<50
	06/03/04	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<25
	08/31/04	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0
	02/09/05	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<100
	06/22/05	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<50
	08/31/05	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<25
	11/14/05	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0
	02/15/06	16	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<50
	06/15/06	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<50
	01/11/07	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<25
	05/23/07	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<10
	04/11/11	--	--	--	--	--	--	--	--	--	--	--
	10/13/11	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0	--
	05/17/12	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0	--
Well Destroyed - July 2012												
MW-1R	08/09/12	<2.0[1]	<8.0[1]	19	<2.0[1]	<2.0[1]	<2.0[1]	6.6	<2.0[1]	<12[1]	<2.0[1]	<200[1]
	11/06/12	<2.0[1]	<8.0[1]	20	<2.0[1]	<2.0[1]	<2.0[1]	6.1	<2.0[1]	<12[1]	<2.0[1]	<200[1]

TABLE 2
VOLATILE ORGANIC COMPOUND ANALYTICAL SUMMARY
Haber Oil Product
1401 Grand Avenue, San Leandro, California

Well Number	Date Collected	PCE (µg/L)	Naphthalene (µg/L)	n-Propyl benzene (µg/L)	1,2,4-Trimethyl benzene (µg/L)	1,3,5-Trimethyl benzene (µg/L)	Tert-butyl benzene (µg/L)	Isopropyl benzene (µg/L)	Chloroform (µg/L)	DBCP (µg/L)	Styrene (µg/L)	Propenal (µg/L)
MW-2	09/29/92	--	--	--	--	--	--	--	--	--	--	--
	02/18/94	--	--	--	--	--	--	--	--	--	--	--
	07/05/94	--	--	--	--	--	--	--	--	--	--	--
	10/12/94	--	--	--	--	--	--	--	--	--	--	--
	02/01/95	--	--	--	--	--	--	--	--	--	--	--
	05/04/95	--	--	--	--	--	--	--	--	--	--	--
	06/23/95	--	--	--	--	--	--	--	--	--	--	--
	12/19/95	--	--	--	--	--	--	--	--	--	--	--
	03/28/96	--	--	--	--	--	--	--	--	--	--	--
	06/21/96	--	--	--	--	--	--	--	--	--	--	--
	03/11/97	--	--	--	--	--	--	--	--	--	--	--
	07/14/97	--	--	--	--	--	--	--	--	--	--	--
	01/25/98	--	--	--	--	--	--	--	--	--	--	--
	02/17/99	--	--	--	--	--	--	--	--	--	--	--
	01/20/03	<50	350	160	1,400	320	<50	69	<50	<50	<50	--
	04/17/03	<120	430	260	2,200	550	<120	<120	<120	<120	<120	--
	07/15/03	<120	290	150	1,300	320	<120	<120	<120	<120	<120	--
	11/25/03	<250	540	<250	1,800	420	<250	<250	<250	<250	<250	--
	02/20/04	<100	230	150	1,300	330	150	<100	<100	<100	<100	<1,000
	06/03/04	<100	360	140	1,300	300	<100	<100	<100	<100	<100	<1,000
	08/31/04	<50	570	200	1,900	400	<50	61	<50	<50	<50	<500
	02/10/05	<100	300	130	1,300	290	<100	<100	<100	<100	<100	<1,000
	06/22/05	<100	330	220	1,500	320	<100	<100	<100	<100	<100	<1,000
	08/31/05	<100	650	260	1,900	430	<100	<100	<100	<100	<100	<1,000
	11/14/05	<50	290	130	1,100	220	<50	51	<50	<50	<50	<500
	02/15/06	240	240	<100	1,800	360	<100	<100	<100	<100	<100	<1,000
	06/15/06	<50	100	64	560	120	<50	<50	<50	<50	<50	<500
	01/11/07	<50	77	56	440	91	<50	<50	<50	<50	<50	<500
	05/23/07	<50	210	130	760	170	<50	<50	<50	<50	<50	<500
	04/11/11	--	--	--	--	--	--	--	--	--	--	--
	10/13/11	<10[1]	60	47	170	56	<10[1]	19	<10[1]	<60[1]	<10[1]	--
	05/17/12	<40[1]	210	110	580	130	<40[1]	<40[1]	<40[1]	<240[1]	<40[1]	--
Well Destroyed - July 2012												
MW-2R	08/09/12	<40[1]	220	190	1,300	260	<40[1]	<40[1]	<40[1]	<240[1]	<40[1]	<4,000[1]
	11/06/12	<20[1]	180	160	930	210	<20[1]	56	<20[1]	<120[1]	<20[1]	<2,000[1]

TABLE 2
VOLATILE ORGANIC COMPOUND ANALYTICAL SUMMARY
Haber Oil Product
1401 Grand Avenue, San Leandro, California

Well Number	Date Collected	PCE (µg/L)	Naphthalene (µg/L)	n-Propyl benzene (µg/L)	1,2,4-Trimethyl benzene (µg/L)	1,3,5-Trimethyl benzene (µg/L)	Tert-butyl benzene (µg/L)	Isopropyl benzene (µg/L)	Chloroform (µg/L)	DBCP (µg/L)	Styrene (µg/L)	Propenal (µg/L)
MW-3	09/29/92	--	--	--	--	--	--	--	--	--	--	--
	02/18/94	--	--	--	--	--	--	--	--	--	--	--
	07/05/94	--	--	--	--	--	--	--	--	--	--	--
	10/12/94	--	--	--	--	--	--	--	--	--	--	--
	02/01/95	--	--	--	--	--	--	--	--	--	--	--
	05/04/95	--	--	--	--	--	--	--	--	--	--	--
	06/23/95	--	--	--	--	--	--	--	--	--	--	--
	12/19/95	--	--	--	--	--	--	--	--	--	--	--
	03/28/96	--	--	--	--	--	--	--	--	--	--	--
	06/21/96	--	--	--	--	--	--	--	--	--	--	--
	03/11/97	--	--	--	--	--	--	--	--	--	--	--
	07/14/97	--	--	--	--	--	--	--	--	--	--	--
	01/25/98	--	--	--	--	--	--	--	--	--	--	--
	02/17/99	--	--	--	--	--	--	--	--	--	--	--
	01/20/03	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	--
	04/17/03	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	<6.7	--
	07/15/03	<12	<12	<12	<12	<12	<12	<12	<12	<12	<12	--
	11/25/03	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	--
	02/20/04	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<100
	06/03/04	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<500
	08/31/04	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<100
	02/10/05	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<500
	06/22/05	<100	<100	<100	360	<100	<100	<100	<100	<100	<100	<1,000
	08/31/05	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<500
	11/14/05	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<250
	02/15/06	100	<50	<50	<50	<50	<50	<50	<50	<50	<50	<500
	06/15/06	<100	<100	<100	340	<100	<100	<100	<100	<100	<100	<1,000
	01/11/07	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<100
	05/23/07	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<250
	04/11/11	--	--	--	--	--	--	--	--	--	--	--
	10/13/11	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0	--
	05/17/12	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0	--
	11/06/12	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0	<100

TABLE 2
VOLATILE ORGANIC COMPOUND ANALYTICAL SUMMARY
Haber Oil Product
1401 Grand Avenue, San Leandro, California

Well Number	Date Collected	PCE ($\mu\text{g/L}$)	Naphthalene ($\mu\text{g/L}$)	n-Propyl benzene ($\mu\text{g/L}$)	1,2,4-Trimethyl benzene ($\mu\text{g/L}$)	1,3,5-Trimethyl benzene ($\mu\text{g/L}$)	Tert-butyl benzene ($\mu\text{g/L}$)	Isopropyl benzene ($\mu\text{g/L}$)	Chloroform ($\mu\text{g/L}$)	DBCP ($\mu\text{g/L}$)	Styrene ($\mu\text{g/L}$)	Propenal ($\mu\text{g/L}$)
MW-4	09/29/92	--	--	--	--	--	--	--	--	--	--	--
	02/18/94	--	--	--	--	--	--	--	--	--	--	--
	07/05/94	--	--	--	--	--	--	--	--	--	--	--
	10/12/94	--	--	--	--	--	--	--	--	--	--	--
	02/01/95	--	--	--	--	--	--	--	--	--	--	--
	05/04/95	--	--	--	--	--	--	--	--	--	--	--
	06/23/95	--	--	--	--	--	--	--	--	--	--	--
	12/19/95	--	--	--	--	--	--	--	--	--	--	--
	03/28/96	--	--	--	--	--	--	--	--	--	--	--
	06/21/96	--	--	--	--	--	--	--	--	--	--	--
	03/11/97	--	--	--	--	--	--	--	--	--	--	--
	07/14/97	--	--	--	--	--	--	--	--	--	--	--
	01/25/98	--	--	--	--	--	--	--	--	--	--	--
	02/17/99	--	--	--	--	--	--	--	--	--	--	--
	01/20/03	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	--
	04/17/03	<120	<120	<120	<120	<120	<120	<120	<120	<120	<120	--
	07/15/03	<120	<120	<120	<120	<120	<120	<120	<120	<120	<120	--
	11/25/03	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	--
	02/20/04	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<1,000
	06/03/04	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<1,000
	08/31/04	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<500
	02/10/05	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	<1,000
	06/22/05	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<250
	08/31/05	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<250
	11/14/05	<50	<50	<50	<50	<50	<50	<50	<50	<50	<50	<500
	02/15/06	24	<17	<17	<17	<17	<17	<17	<17	<17	<17	<170
	06/15/06	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<250
	01/11/07	<10	<10	<10	<10	<10	<10	<10	<10	<10	<10	<100
	05/23/07	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<50
	04/11/11	--	--	--	--	--	--	--	--	--	--	--
	10/13/11	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0	--
	05/17/12	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0	--
	11/06/12	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0	<100

TABLE 2
VOLATILE ORGANIC COMPOUND ANALYTICAL SUMMARY
Haber Oil Product
1401 Grand Avenue, San Leandro, California

Well Number	Date Collected	PCE (µg/L)	Naphthalene (µg/L)	n-Propyl benzene (µg/L)	1,2,4-Trimethyl benzene (µg/L)	1,3,5-Trimethyl benzene (µg/L)	Tert-butyl benzene (µg/L)	Isopropyl benzene (µg/L)	Chloroform (µg/L)	DBCP (µg/L)	Styrene (µg/L)	Propenal (µg/L)
MW-5	09/29/92	--	--	--	--	--	--	--	--	--	--	--
	02/18/94	--	--	--	--	--	--	--	--	--	--	--
	07/05/94	--	--	--	--	--	--	--	--	--	--	--
	10/12/94	--	--	--	--	--	--	--	--	--	--	--
	02/01/95	--	--	--	--	--	--	--	--	--	--	--
	05/04/95	--	--	--	--	--	--	--	--	--	--	--
	06/23/95	--	--	--	--	--	--	--	--	--	--	--
	12/19/95	--	--	--	--	--	--	--	--	--	--	--
	03/28/96	--	--	--	--	--	--	--	--	--	--	--
	06/21/96	--	--	--	--	--	--	--	--	--	--	--
	03/11/97	--	--	--	--	--	--	--	--	--	--	--
	07/14/97	--	--	--	--	--	--	--	--	--	--	--
	01/25/98	--	--	--	--	--	--	--	--	--	--	--
	02/17/99	--	--	--	--	--	--	--	--	--	--	--
	01/20/03	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	--
	04/17/03	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	--
	07/15/03	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	--
	11/25/03	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	--
	02/20/04	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0
	06/03/04	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0
	08/31/04	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0
	02/09/05	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0
	06/22/05	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.52	<0.5	<0.5	<5.0
	08/31/05	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.63	<0.5	<0.5	<0.5	<5.0
	11/14/05	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.63	<0.5	<0.5	<0.5	<5.0
	02/15/06	1.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0
	06/14/06	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0
	01/11/07	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0
	05/23/07	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.55	<0.5	<0.5	<5.0
	04/11/11	--	--	--	--	--	--	--	--	--	--	--
	10/13/11	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0	--
	05/17/12	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0	--
	11/06/12	--	--	--	--	--	--	--	--	--	--	--

TABLE 2
VOLATILE ORGANIC COMPOUND ANALYTICAL SUMMARY
Haber Oil Product
1401 Grand Avenue, San Leandro, California

Well Number	Date Collected	PCE ($\mu\text{g/L}$)	Naphthalene ($\mu\text{g/L}$)	n-Propyl benzene ($\mu\text{g/L}$)	1,2,4-Trimethyl benzene ($\mu\text{g/L}$)	1,3,5-Trimethyl benzene ($\mu\text{g/L}$)	Tert-butyl benzene ($\mu\text{g/L}$)	Isopropyl benzene ($\mu\text{g/L}$)	Chloroform ($\mu\text{g/L}$)	DBCP ($\mu\text{g/L}$)	Styrene ($\mu\text{g/L}$)	Propenal ($\mu\text{g/L}$)
MW-6	06/21/95	--	--	--	--	--	--	--	--	--	--	--
	06/23/95	--	--	--	--	--	--	--	--	--	--	--
	12/19/95	--	--	--	--	--	--	--	--	--	--	--
	03/28/96	--	--	--	--	--	--	--	--	--	--	--
	06/21/96	--	--	--	--	--	--	--	--	--	--	--
	03/11/97	--	--	--	--	--	--	--	--	--	--	--
	07/14/97	--	--	--	--	--	--	--	--	--	--	--
	01/25/98	--	--	--	--	--	--	--	--	--	--	--
	02/17/99	--	--	--	--	--	--	--	--	--	--	--
	01/20/03	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	1.1	<0.5	<0.5	--
	04/17/03	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	1.2	<0.5	<0.5	--
	07/15/03	0.67	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.84	0.66	<0.5	--
	11/25/03	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.89	<0.5	<0.5	--
	02/20/04	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0
	06/03/04	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0
	08/31/04	0.51	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.84	<0.5	<0.5	<5.0
	02/09/05	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.59	<0.5	<0.5	<5.0
	06/22/05	0.53	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0
	08/31/05	0.67	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.62	<0.5	<0.5	<5.0
	11/14/05	0.50	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.67	<0.5	<0.5	<5.0
	02/15/06	0.75	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0
	06/14/06	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<10
	01/11/07	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.58	<0.5	<0.5	<5.0
	05/24/07	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.67	<0.5	<0.5	<5.0
	04/11/11	--	--	--	--	--	--	--	--	--	--	--
	10/13/11	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0	--
	05/17/12	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0	--
	11/06/12	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.1	<3.0	<1.0	<100

TABLE 2
VOLATILE ORGANIC COMPOUND ANALYTICAL SUMMARY
Haber Oil Product
1401 Grand Avenue, San Leandro, California

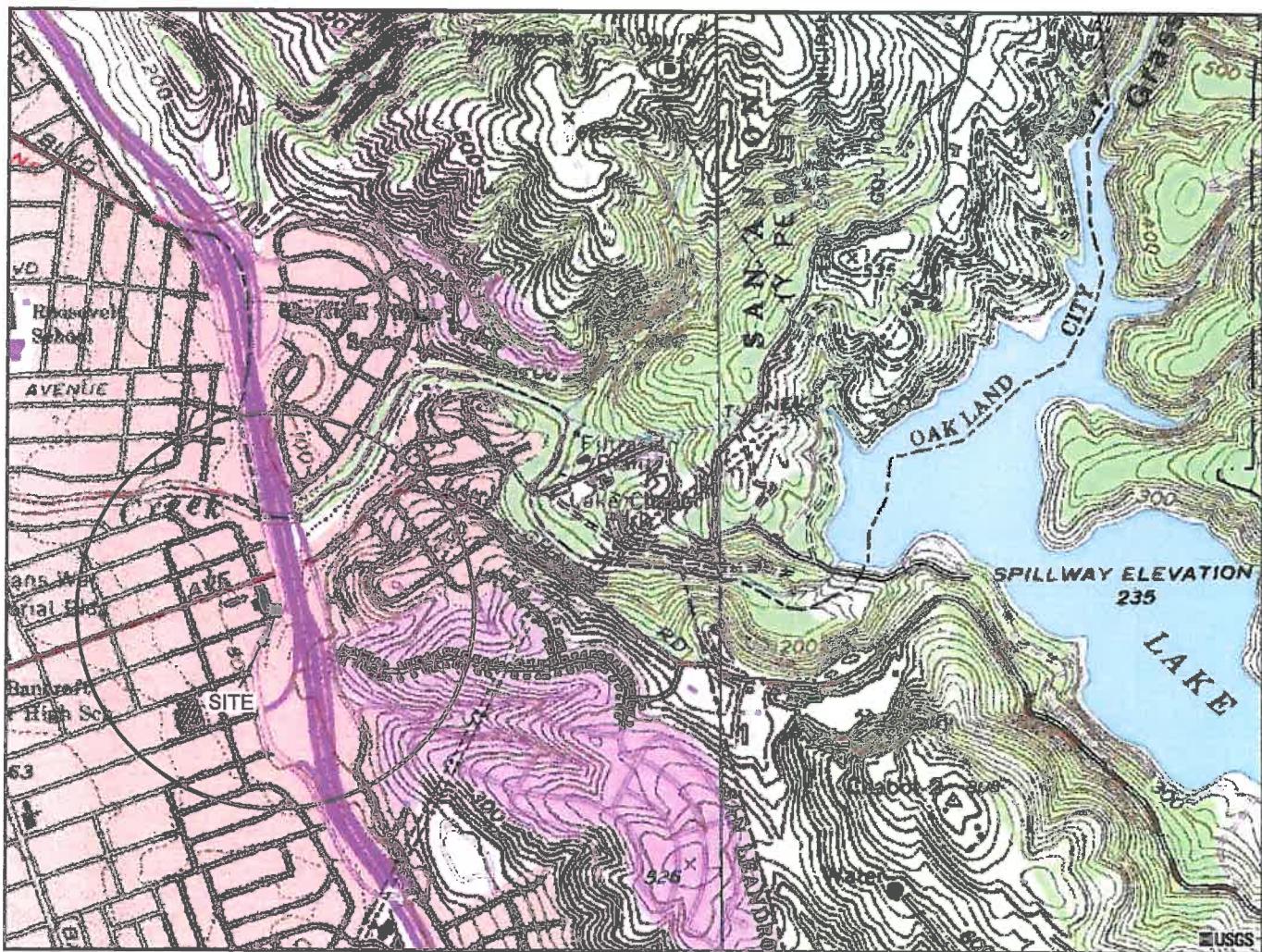
Well Number	Date Collected	PCE (µg/L)	Naphthalene (µg/L)	n-Propyl benzene (µg/L)	1,2,4- Trimethyl benzene (µg/L)	1,3,5- Trimethyl benzene (µg/L)	Tert-butyl benzene (µg/L)	Isopropyl benzene (µg/L)	Chloroform (µg/L)	DBCP (µg/L)	Styrene (µg/L)	Propenal (µg/L)
MW-7	06/21/95	--	--	--	--	--	--	--	--	--	--	--
	06/23/95	--	--	--	--	--	--	--	--	--	--	--
	12/19/95	--	--	--	--	--	--	--	--	--	--	--
	03/28/96	--	--	--	--	--	--	--	--	--	--	--
	06/21/96	--	--	--	--	--	--	--	--	--	--	--
	03/11/97	--	--	--	--	--	--	--	--	--	--	--
	07/14/97	--	--	--	--	--	--	--	--	--	--	--
	01/25/98	--	--	--	--	--	--	--	--	--	--	--
	02/17/99	--	--	--	--	--	--	--	--	--	--	--
	01/20/03	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.56	<0.5	<0.5	--
	04/17/03	1.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.75	<0.5	<0.5	--
	07/15/03	1.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.61	0.64	<0.5	--
	11/25/03	0.78	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.76	<0.5	<0.5	--
	02/20/04	1.3	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0
	06/03/04	0.98	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0
	08/31/04	0.73	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0
	02/09/05	2.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.64	<0.5	<0.5	<5.0
	06/22/05	1.6	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0
	08/31/05	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	1.1	<0.5	<0.5	<5.0
	11/14/05	0.68	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.82	<0.5	<0.5	<5.0
	02/15/06	4.3	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0
	06/14/06	2.8	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<5.0
	01/11/07	1.1	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.86	<0.5	1.6	37
	05/24/07	1.2	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.79	<0.5	<0.5	<5.0
	04/11/11	--	--	--	--	--	--	--	--	--	--	--
	10/13/11	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.2	<3.0	<1.0	--
	05/17/12	1.9	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0	--
	11/06/12	--	--	--	--	--	--	--	--	--	--	--

TABLE 2
VOLATILE ORGANIC COMPOUND ANALYTICAL SUMMARY
Haber Oil Product
1401 Grand Avenue, San Leandro, California

Well Number	Date Collected	PCE (µg/L)	Naphthalene (µg/L)	n-Propyl benzene (µg/L)	1,2,4-Trimethyl benzene (µg/L)	1,3,5-Trimethyl benzene (µg/L)	Tert-butyl benzene (µg/L)	Isopropyl benzene (µg/L)	Chloroform (µg/L)	DBCP (µg/L)	Styrene (µg/L)	Propenal (µg/L)
MW-8	06/21/95	--	--	--	--	--	--	--	--	--	--	--
	06/23/95	--	--	--	--	--	--	--	--	--	--	--
	12/19/95	--	--	--	--	--	--	--	--	--	--	--
	03/28/96	--	--	--	--	--	--	--	--	--	--	--
	06/21/96	--	--	--	--	--	--	--	--	--	--	--
	03/11/97	--	--	--	--	--	--	--	--	--	--	--
	07/14/97	--	--	--	--	--	--	--	--	--	--	--
	01/25/98	--	--	--	--	--	--	--	--	--	--	--
	02/17/99	--	--	--	--	--	--	--	--	--	--	--
	01/20/03	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	1.3	<0.5	<0.5	--
	04/17/03	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	1.8	<0.5	<0.5	--
	07/15/03	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	1.4	0.52	<0.5	--
	11/25/03	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	1.4	<0.5	<0.5	--
	02/20/04	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.78	<0.5	<0.5	<5.0
	06/03/04	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	1.0	<0.5	<0.5	<5.0
	08/31/04	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	1.3	<0.5	<0.5	<5.0
	02/09/05	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	1.1	<0.5	<0.5	<5.0
	06/22/05	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.93	<0.5	<0.5	<5.0
	08/31/05	2.0	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.67	<0.5	<0.5	<5.0
	11/14/05	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.94	<0.5	<0.5	<5.0
	02/15/06	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.98	<0.5	<0.5	<5.0
	06/14/06	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.62	<0.5	<0.5	<5.0
	01/11/07	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.68	<0.5	<0.5	<5.0
	05/23/07	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	0.80	<0.5	<0.5	<5.0
	04/11/11	--	--	--	--	--	--	--	--	--	--	--
	10/13/11	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.1	<3.0	<1.0	--
	05/17/12	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0	--
	11/06/12	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.8	<3.0	<1.0	<100
MW-9	08/09/12	2.7	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0	<100
	11/06/12	2.1	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<3.0	<1.0	<100
MW-10	08/09/12	1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.2	<3.0	<1.0	<100
	11/06/12	<1.0	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	1.2	<3.0	<1.0	<100

TABLE 2
VOLATILE ORGANIC COMPOUND ANALYTICAL SUMMARY
Haber Oil Product
1401 Grand Avenue, San Leandro, California

Well Number	Date Collected	PCE (µg/L)	Naphthalene (µg/L)	n-Propyl benzene (µg/L)	1,2,4-Trimethyl benzene (µg/L)	1,3,5-Trimethyl benzene (µg/L)	Tert-butyl benzene (µg/L)	Isopropyl benzene (µg/L)	Chloroform (µg/L)	DBCP (µg/L)	Styrene (µg/L)	Propenal (µg/L)
Note:												
µg/L = micrograms per liter												
DBCP = 1,2-dibromo-3-chloropropane												
PCE = Tetrachloroethene												
-- = Samples not analyzed for this compound.												
[1] = Reporting limits were increased due to high concentration of target analytes.												
All samples analyzed by USEPA Method 8260B against a target list of 76 volatile organic compounds. Compounds from the target list not listed above were below reporting limits for all samples analyzed.												
Refer to original laboratory report. Data prior to April 11, 2011, taken from reports prepared by P&D Environmental, Inc.												



GENERAL NOTES:
BASE MAP FROM U.S.G.S.
SAN LEANDRO, CA.
7.5 MINUTE TOPOGRAPHIC
PHOTOREVISED 1978



0 1800 FT

APPROXIMATE SCALE

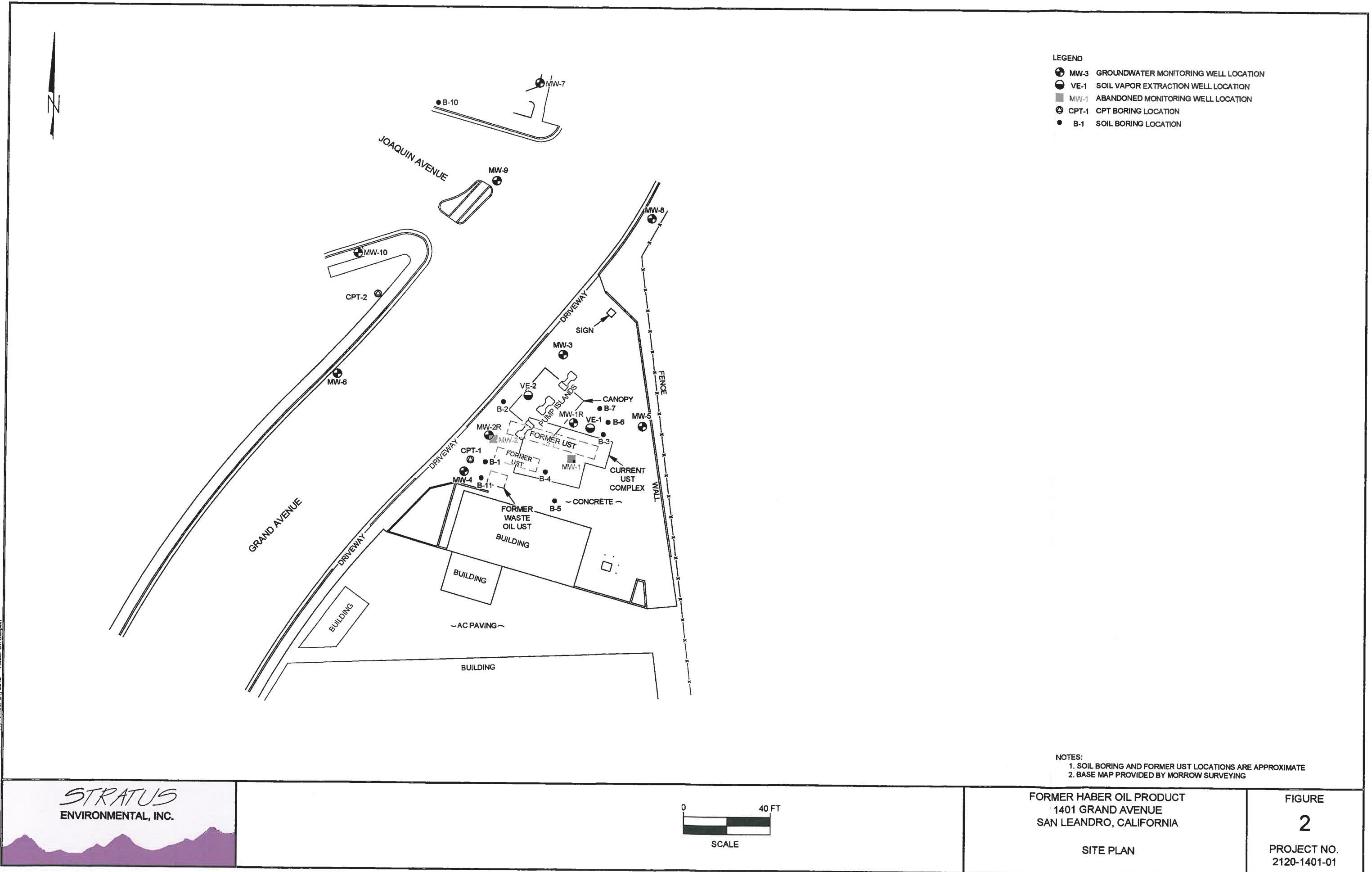
STRATUS
ENVIRONMENTAL, INC.

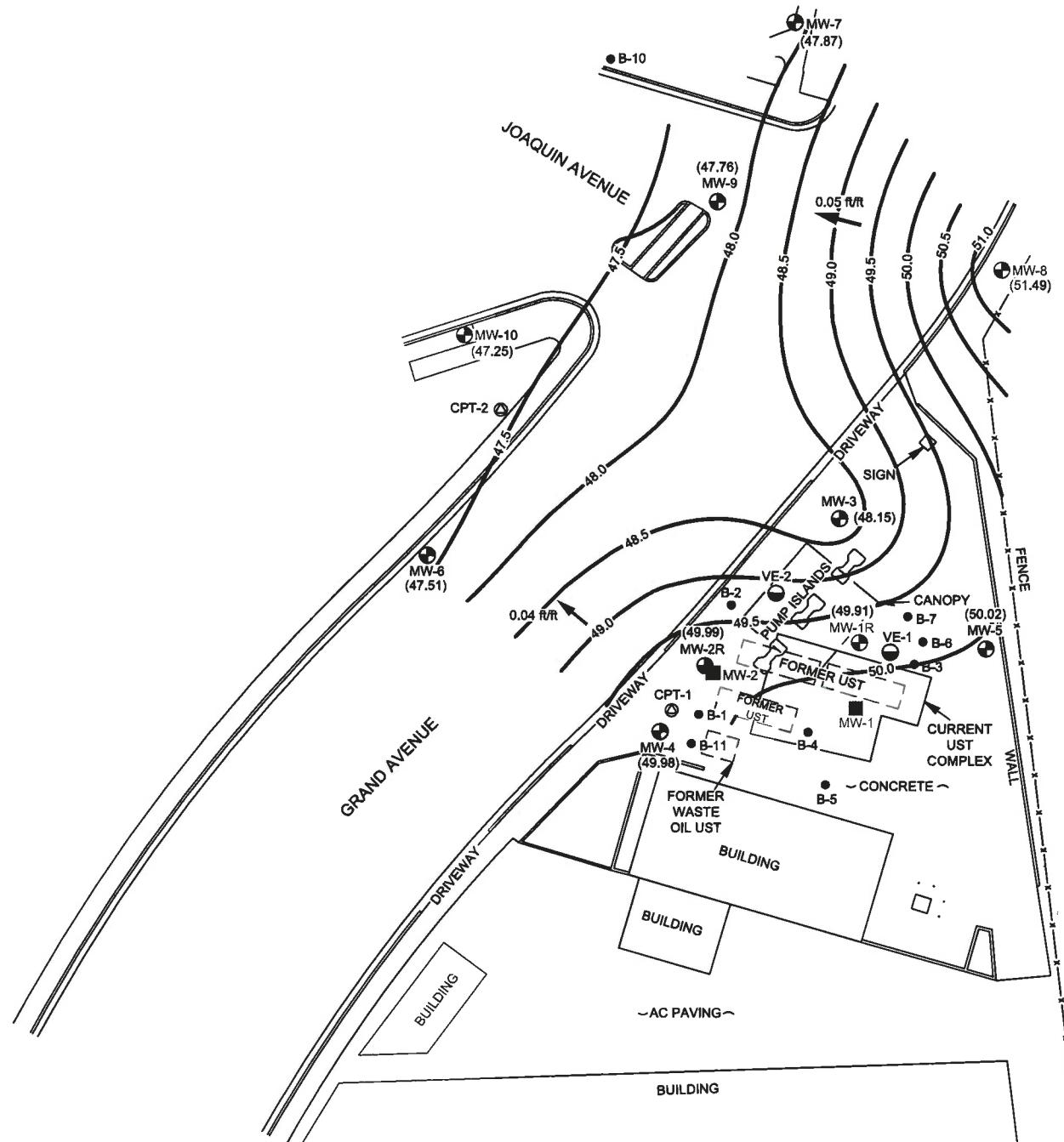
FORMER HABER OIL PRODUCT
1401 GRAND AVENUE
SAN LEANDRO, CALIFORNIA

SITE LOCATION MAP

FIGURE
1

PROJECT NO.
2120-1401-01

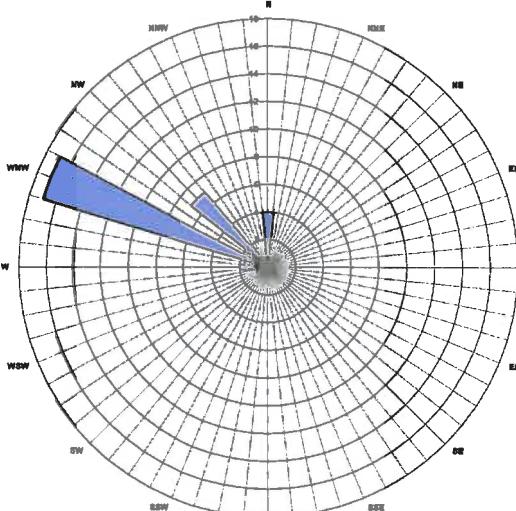




LEGEND

- MW-3 GROUNDWATER MONITORING WELL LOCATION
- VE-1 SOIL VAPOR EXTRACTION WELL LOCATION
- MW-1 ABANDONED MONITORING WELL LOCATION
- CPT-1 CPT BORING LOCATION
- B-1 SOIL BORING LOCATION
- (48.15) GROUNDWATER ELEVATION IN FEET RELATIVE TO MSL
- 49.0 — GROUNDWATER ELEVATION CONTOUR IN FEET RELATIVE TO MSL
- INFERRED GROUNDWATER FLOW DIRECTION

WELLS MEASURED ON 11/06/12
MSL = MEAN SEA LEVEL



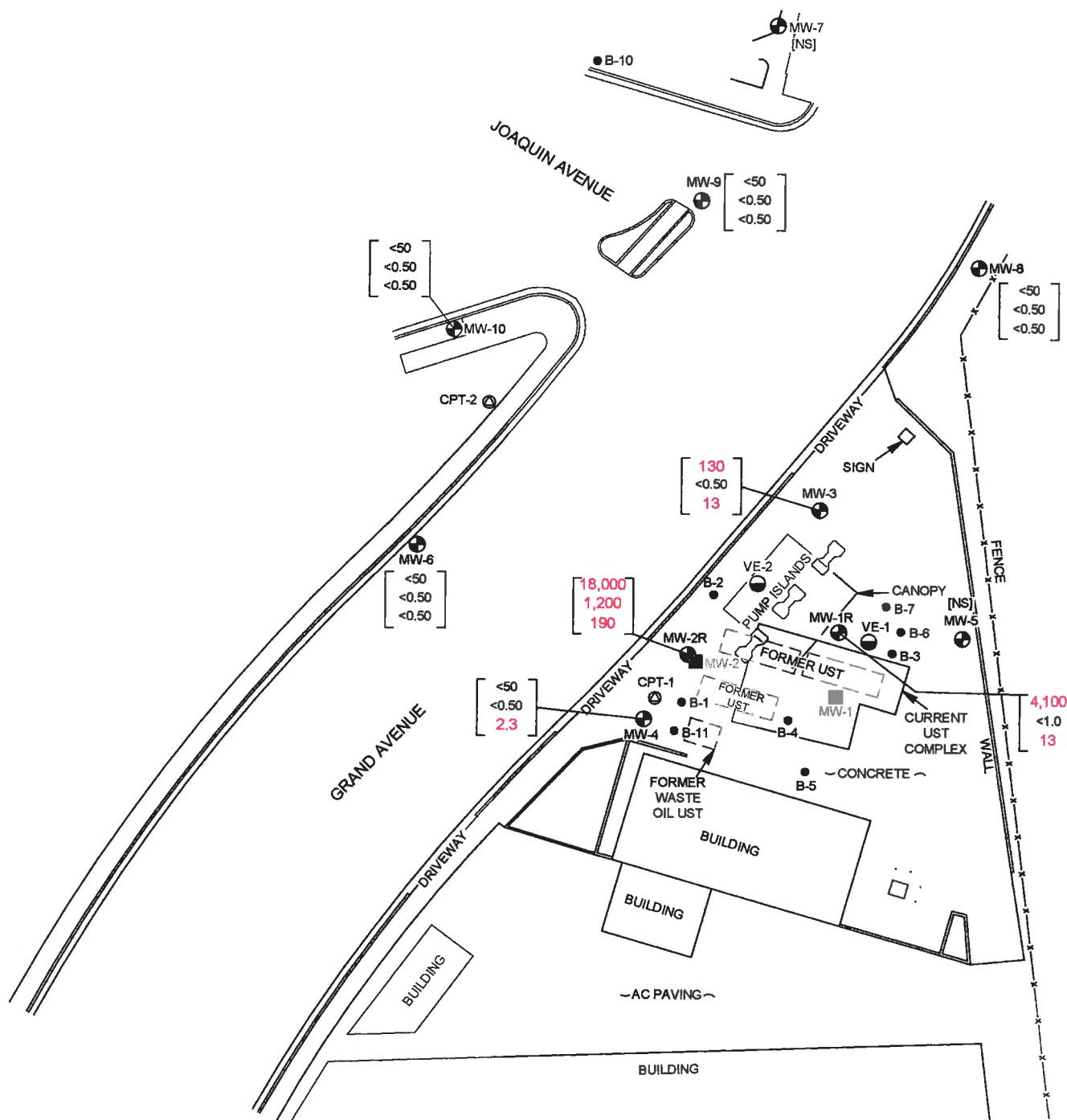
NOTES:
1. SOIL BORING AND FORMER UST LOCATIONS ARE APPROXIMATE
2. BASE MAP PROVIDED BY MORROW SURVEYING

FORMER HABER OIL PRODUCT
1401 GRAND AVENUE
SAN LEANDRO, CALIFORNIA

GROUNDWATER ELEVATION CONTOUR MAP
4th QUARTER 2012

FIGURE
3
PROJECT NO.
2120-1401-01

0 40 FT
SCALE



LEGEND

- MW-3 GROUNDWATER MONITORING WELL LOCATION
- VE-1 SOIL VAPOR EXTRACTION WELL LOCATION
- MW-1 ABANDONED MONITORING WELL LOCATION
- CPT-1 CPT BORING LOCATION
- B-1 SOIL BORING LOCATION
- <50 GASOLINE RANGE ORGANICS (GRO) IN µg/L
- <0.50 BENZENE CONCENTRATION IN µg/L
- <0.50 METHYL TERTIARY BUTYL ETHER (MTBE) IN µg/L

WELLS SAMPLED ON 11/06/12
GRO ANALYZED BY EPA METHOD 8015B
MTBE & BENZENE ANALYZED BY EPA METHOD 8260B

NOTES:
1. SOIL BORING AND FORMER UST LOCATIONS ARE APPROXIMATE
2. BASE MAP PROVIDED BY MORROW SURVEYING

FORMER HABER OIL PRODUCT
1401 GRAND AVENUE
SAN LEANDRO, CALIFORNIA

GROUNDWATER ANALYTICAL SUMMARY
4th QUARTER 2012

STRATUS
ENVIRONMENTAL, INC.

0 40 FT
SCALE

FIGURE
4

PROJECT NO.
2120-1401-01

APPENDIX A

FIELD DATA SHEETS

DOULOS ENVIRONMENTAL, INC.
Groundwater/Liquid Level Data
(Measurements in feet)

Project Address: Haber Oil - Stratus
1401 Grand Avenue
San Leandro, CA

Date: 11-6-12

Recorded by: Jerry

Notes:

44

DOULOS ENVIRONMENTAL, INC.

SAMPLING INFORMATION SHEET

Client: Stratus
 Site: Haber Oil
1401 Grand Avenue
San Leandro, CA

Sampling Date: 1-6-12
 Project No.: 2120-1401-01
 Well Designation: MW-1R

Is setup of traffic control devices required?

NO
 NO
 YES
 YES
 YES

YES
 time: _____ hours
 Above TOC Below TOC
 If no, see remarks
 If no, see remarks

Is there standing water in the well box?

Is top of casing cut level?

Is well cap sealed and locked?

Height of well casing riser (in inches): 3

Well cover type: 8" or 12" UV 12" EMCO
 12" Christy 8" M&D 12" M&D
 12" CNI 36" CNI 12" Pomeco

8" or 12" BK 8" Christy
 12" DWP

Other: _____
 Good Fair Poor

General condition of wellhead assembly: Excellent Good Fair Poor

Purging Equipment: 2" disposable bailer Submersible pump
2" PVC bailer Dedicated bailer
4" PVC bailer Centrifugal pump
 Sampled with: Disposable bailer Teflon bailer Disposable Tubing

Well Diameter: 2" 4" 6" 8"
 Purge Vol. Multiplier: 0.16 0.65 1.47 2.61 gal/ft.

Initial Measurement

Time: 11:50

Recharge Measurement

Time: 15:17

Calculated purge: 1.8

Depth of well: 43.75

Depth to water: 46.73

Actual purge: 2.0

Depth to water: 40.16

Start purge: 15:10 Sampling time: 15:18

Time	Temperature	E.C.	pH	DO	Volume
15:11	24.22	731	8.56	3.70	1
15:12	22.88	508	8.70	4.06	2
15:13	21.02	689	8.85	4.27	3

Sample appearance: Cloudy

Lock: Dolphin

Equipment replaced: (check all that apply)

Note condition of replaced item(s)

2" Locking Cap: _____

Lock: _____ 7/32 Allenhead: _____

4" Locking Cap: _____

Lock-Dolphin: _____ 9/16 Bolt: _____

6" Locking Cap: _____

Pinned Allenhead (DWP): _____

Remarks: C7 odor in well

Signature: [Signature]

GJ

DOULOS ENVIRONMENTAL, INC.

SAMPLING INFORMATION SHEET

Client: Stratus
 Site: Haber Oil
1401 Grand Avenue
San Leandro, CA

Sampling Date: 11-6-12
 Project No.: 2120-1401-01
 Well Designation: MW-2R

Is setup of traffic control devices required?	<input checked="" type="checkbox"/> NO	<input type="checkbox"/> YES	time: _____ hours		
Is there standing water in the well box?	<input checked="" type="checkbox"/> NO	<input type="checkbox"/> YES	Above TOC Below TOC		
Is top of casing cut level?	<input checked="" type="checkbox"/> NO	<input type="checkbox"/> YES	If no, see remarks		
Is well cap sealed and locked?	<input checked="" type="checkbox"/> NO	<input type="checkbox"/> YES	If no, see remarks		
Height of well casing riser (in inches):	<u>7</u>				
Well cover type: 8" or 12" UV	12" EMCO	<input checked="" type="checkbox"/>	8" or 12" BK	8" Christy	
12" Christy	8" M&D	<input type="checkbox"/>	12" DWP	<input type="checkbox"/>	
12" CNI	36" CNI	<input type="checkbox"/>	12" Pomeco	Other: _____	
General condition of wellhead assembly:	Excellent	<input type="checkbox"/>	Good	<input checked="" type="checkbox"/> Fair	<input type="checkbox"/> Poor
Purging Equipment:	2" disposable bailer	<input type="checkbox"/>	Submersible pump		
	2" PVC bailer	<input checked="" type="checkbox"/>	Dedicated bailer		
	4" PVC bailer	<input type="checkbox"/>	Centrifugal pump		
Sampled with:	Disposable bailer	<input checked="" type="checkbox"/>	Disposable Tubing		
Well Diameter:	2"	4"	6"	8"	

Purge Vol. Multiplier: 0.16 Initial Measurement Recharge Measurement
 Time: 1153 Time: 1543 Depth to water: 39.41 Calculated purge: 9.6 Actual purge: 10.0 gal/ft.

Depth of well: 43.75
 Depth to water: 38.82

Start purge: 1530 Sampling time: 1545

Time	Temperature	E.C.	pH	DO	Volume
1532	21.25	508	8.69	6.21	1
1534	20.61	526	8.73	4.92	2
1536	18.95	719	8.76	2.90	3

Sample appearance: clear Lock: Dolph

Equipment replaced: (check all that apply)
 2" Locking Cap: _____ Lock: _____ Note condition of replaced item(s)
 4" Locking Cap: _____ Lock-Dolphin: _____ 7/32 Allenhead: _____
 6" Locking Cap: _____ Pinned Allenhead (DWP): _____ 9/16 Bolt: _____

Remarks: STRONG ODOR, ~ w/1

Signature: [Signature]

SL

DOULOS ENVIRONMENTAL, INC.

SAMPLING INFORMATION SHEET

Client: Stratus
 Site: Haber Oil
1401 Grand Avenue
San Leandro, CA

Sampling Date: 11-6-12
 Project No.: 2120-1401-01
 Well Designation: MW-3

Is setup of traffic control devices required?

NO
 YES

YES
 NO
 YES
 NO

time: _____ hours
 Above TOC Below TOC
 If no, see remarks
 If no, see remarks

Is there standing water in the well box?

Is top of casing cut level?

Is well cap sealed and locked?

Height of well casing riser (in inches):

Well cover type: 8" or 12" UV

12" Christy

12" CNI

12" EMCO

12" M&D

36" CNI

12" Pomeco

8" or 12" BK

12" DWP

Other:

8" Christy

Fair

Poor

General condition of wellhead assembly:

Excellent

Good

Fair

Poor

Purging Equipment: 2" disposable bailer Submersible pump
2" PVC bailer Dedicated bailer
4" PVC bailer Centrifugal pump

Sampled with: Disposable bailer Teflon bailer Disposable Tubing

Well Diameter: 2"

4"

6"

8"

Purge Vol. Multiplier: 0.16 0.65 1.47 2.61 gal/ft.

Initial Measurement

Recharge Measurement

Time: 1147

Time: 1458

Calculated purge: 25.3

Depth of well: 55.00

Depth to water: 42.13

Actual purge: 26.0

Depth to water: 42.00

Start purge: 14:45

Sampling time: 15:00

Time	Temperature	E.C.	pH	DO	Volume
1448	18.38	709	8.87	3.99	1
1451	18.16	500	8.79	3.13	2
1459	18.34	697	8.77	2.53	3

Sample appearance: Clear

Lock: Dolphin

Equipment replaced: (check all that apply)

2" Locking Cap: _____

4" Locking Cap: _____

6" Locking Cap: _____

Note condition of replaced item(s)

Lock: 7/32 Allenhead: _____

Lock-Dolphin: 9/16 Bolt: _____

Pinned Allenhead (DWP): _____

Remarks: _____

Signature: [Signature] SPV

DOULOS ENVIRONMENTAL, INC.

SAMPLING INFORMATION SHEET

Client: Stratus
 Site: Haber Oil
1401 Grand Avenue
San Leandro, CA

Sampling Date: 11-6-12
 Project No.: 2120-1401-01
 Well Designation: MW-4

Is setup of traffic control devices required?

NO
NO
NO
NO
YES
YES

YES
time: _____ hours
Above TOC Below TOC
If no, see remarks
If no, see remarks

Is there standing water in the well box?

Is top of casing cut level?

Is well cap sealed and locked?

Height of well casing riser (in inches):

5

Well cover type: 8" or 12" UV

X 12" EMCO

8" or 12" BK

8" Christy

12" Christy

8" M&D

12" M&D

12" DWP

12" CNI

36" CNI

12" Pomeco

Other:

General condition of wellhead assembly: Excellent

Good

Fair

Poor

Purging Equipment: 2" disposable bailer

X Submersible pump

2" PVC bailer

Dedicated bailer

4" PVC bailer

Centrifugal pump

Sampled with: Disposable bailer Teflon bailer Disposable Tubing X

Well Diameter: 2" 4" X 6" 8"

Purge Vol. Multiplier: 0.16 0.65 1.47 2.61 gal/ft.

Initial Measurement

Recharge Measurement

Time: 11:36

Time: 14:38

Calculated purge: 29.9

Depth of well: 53.00

Depth to water: 39.63

Actual purge: 28.5

Depth to water: 38.90

Start purge: 14:24 Sampling time: 14:40

Time	Temperature	E.C.	pH	DO	Volume
<u>14:27</u>	<u>18.99</u>	<u>9.90</u>	<u>8.95</u>	<u>5.29</u>	<u>1</u>
<u>14:30</u>	<u>19.05</u>	<u>9.80</u>	<u>8.82</u>	<u>3.83</u>	<u>2</u>
<u>14:33</u>	<u>18.91</u>	<u>9.95</u>	<u>8.78</u>	<u>2.81</u>	<u>3</u>

Sample appearance: Clear

Lock: Drip

Equipment replaced: (check all that apply)

Note condition of replaced item(s)

2" Locking Cap:

Lock:

7/32 Allenhead:

4" Locking Cap:

Lock-Dolphin:

9/16 Bolt:

6" Locking Cap:

Pinned Allenhead (DWP):

Remarks: _____

Signature: [Signature]

JK

DOULOS ENVIRONMENTAL, INC.

SAMPLING INFORMATION SHEET

Client: Stratus
 Site: Haber Oil
1401 Grand Avenue
San Leandro, CA

Sampling Date: 11-6-12

Project No.: 2120-1401-01
 Well Designation: MW.6

Is setup of traffic control devices required? NO YES
 Is there standing water in the well box? NO YES
 Is top of casing cut level? NO YES
 Is well cap sealed and locked? NO YES
 Height of well casing riser (in inches): 3

time: _____ hours

Above TOC Below TOC

If no, see remarks

If no, see remarks

Well cover type: 8" or 12" UV 12" EMCO 8" or 12" BK 8" Christy
 12" Christy 8" M&D 12" M&D 12" DWP
 12" CNI 36" CNI 12" Pomeco Other: _____

General condition of wellhead assembly: Excellent Good Fair Poor

Purging Equipment: 2" disposable bailer Submersible pump
2" PVC bailer Dedicated bailer
4" PVC bailer Centrifugal pump

Sampled with: Disposable bailer Teflon bailer Disposable Tubing

Well Diameter: 2" X 4" _____ 6" _____ 8" _____
 Purge Vol. Multiplier: 0.16 0.65 1.47 2.61 gal/ft.

Initial Measurement Recharge Measurement
 Time: 11:15 Time: 13:08 Calculated purge: 4.8
 Depth of well: 49.32 Depth to water: 39.24 Actual purge: 5.0

Start purge: 12:58 Sampling time: 13:10

Time	Temperature	E.C.	pH	DO	Volume
13:00	22.08	801	8.79	4.08	1
13:02	20.71	596	8.87	3.98	2
13:04	19.85	593	8.87	4.10	3

Sample appearance: Clear Lock: 14

Equipment replaced: (check all that apply) Note condition of replaced item(s)

2" Locking Cap: _____ Lock: _____ 7/32 Allenhead: _____
 4" Locking Cap: _____ Lock-Dolphin: _____ 9/16 Bolt: _____
 6" Locking Cap: _____ Pinned Allenhead (DWP): _____

Remarks: _____

Signature: SP SP

DOULOS ENVIRONMENTAL, INC.

SAMPLING INFORMATION SHEET

Client: Stratus
 Site: Haber Oil
1401 Grand Avenue
San Leandro, CA

Sampling Date: 11-6-12Project No.: 2120-1401-01Well Designation: MW-8

Is setup of traffic control devices required?

NO
NO

YES

time: _____ hours

Is there standing water in the well box?

YES

Above TOC Below TOC

Is top of casing cut level?

NO

YES

If no, see remarks

Is well cap sealed and locked?

NO

YES

If no, see remarks

Height of well casing riser (in inches):

2

Well cover type: 8" or 12" UV

12" EMCO X

8" or 12" BK

8" Christy

12" Christy

8" M&D

12" M&D

12" DWP

12" CNI

36" CNI

12" Pomeco

Other:

General condition of wellhead assembly:

Excellent

Good

Fair

Poor

Purging Equipment: 2" disposable bailer

Submersible pump

2" PVC bailer

Dedicated bailer

4" PVC bailer

Centrifugal pump

Sampled with: Disposable bailer X Teflon bailer X Disposable TubingWell Diameter: 2" X 4" _____ 6" _____ 8" _____

Purge Vol. Multiplier: 0.16 0.65 1.47 2.61 gal/ft.

Initial Measurement

Recharge Measurement

Time: 11:25Time: 13:48Calculated purge: 3.3Depth of well: 48.00Depth to water: 41.00Actual purge: 3.5Depth to water: 40.92Start purge: 13:40 Sampling time: 13:50

Time	Temperature	E.C.	pH	DO	Volume
13:42	20.80	820	8.86	3.63	1
13:43	19.99	824	8.98	3.71	2
13:44	18.99	822	8.78	4.08	7

Sample appearance: ClearLock: M

Equipment replaced: (check all that apply)

Note condition of replaced item(s)

2" Locking Cap: _____

Lock: _____

7/32 Allenhead: _____

4" Locking Cap: _____

Lock-Dolphin: _____

9/16 Bolt: _____

6" Locking Cap: _____

Pinned Allenhead (DWP): _____

Remarks: _____

Signature: BSV

DOULOS ENVIRONMENTAL, INC.

SAMPLING INFORMATION SHEET

Client: Stratus
 Site: Haber Oil
 1401 Grand Avenue
 San Leandro, CA

Sampling Date: 11-6-12

Project No.: 2120-1401-01
 Well Designation: MW 9

Is setup of traffic control devices required?

NO
 YES
 NO
 NO
 YES

time: hours

Is there standing water in the well box?

Is top of casing cut level?

Is well cap sealed and locked?

Height of well casing riser (in inches):

Well cover type: 8" or 12" UV _____ 12" EMCO 8" or 12" BK _____ 8" Christy _____

12" Christy _____ 8" M&D _____ 12" M&D _____ 12" DWP _____

12" CNI _____ 36" CNI _____ 12" Pomeco _____ Other: _____

General condition of wellhead assembly: Excellent _____ Good Fair _____ Poor _____

Above TOC Below TOC

If no, see remarks

If no, see remarks

Purging Equipment: 2" disposable bailer Submersible pump
 2" PVC bailer Dedicated bailer
 4" PVC bailer Centrifugal pump

Sampled with: Disposable bailer Teflon bailer _____ Disposable Tubing _____

Well Diameter: 2" 4" _____ 6" _____ 8" _____
 Purge Vol. Multiplier: 0.16 0.65 1.47 2.61 gal/ft.

Initial Measurement

Time: 11:08

Recharge Measurement

Time: 12:08

Calculated purge: 2.3

Depth of well: 46.25

Depth to water: 41.32

Actual purge: 2.5

Depth to water: 41.30

Start purge: 12:28 Sampling time: 12:40

Time	Temperature	E.C.	pH	DO	Volume
12:30	23.10	834	8.65	2.98	1
12:31	23.09	835	8.72	3.02	2
12:32	22.54	834	8.78	3.09	7

Sample appearance: cloudy Lock: N/A

Equipment replaced: (check all that apply)

2" Locking Cap: _____

Note condition of replaced item(s)

Lock: _____ 7/32 Allenhead: _____

4" Locking Cap: _____

Lock-Dolphin: _____ 9/16 Bolt: _____

6" Locking Cap: _____

Pinned Allenhead (DWP): _____

Remarks: _____

Signature:  GAC

DOULOS ENVIRONMENTAL, INC.

SAMPLING INFORMATION SHEET

Client: Stratus
 Site: Haber Oil
1401 Grand Avenue
San Leandro, CA

Sampling Date: 11-6-12
 Project No.: 2120-1401-01
 Well Designation: MW-10

Is setup of traffic control devices required?

NO YES
 NO YES
 NO YES
 NO YES

time: _____ hours
 Above TOC Below TOC
 If no, see remarks
 If no, see remarks

Is there standing water in the well box?

Is top of casing cut level?

Is well cap sealed and locked?

Height of well casing riser (in inches):

2

Well cover type: 8" or 12" UV _____ 12" EMCO 8" or 12" BK _____ 8" Christy _____
 12" Christy _____ 8" M&D _____ 12" M&D _____ 12" DWP _____
 12" CNI _____ 36" CNI _____ 12" Pomeco _____ Other: _____
 General condition of wellhead assembly: Excellent _____ Good Fair _____ Poor _____

Purging Equipment: _____ 2" disposable bailer _____ Submersible pump
 _____ 2" PVC bailer _____ Dedicated bailer
 _____ 4" PVC bailer _____ Centrifugal pump
 Sampled with: Disposable bailer Teflon bailer _____ Disposable Tubing _____

Well Diameter: 2" 4" _____ 6" _____ 8" _____
 Purge Vol. Multiplier: 0.16 0.65 1.47 2.61 gal/ft.

Initial Measurement

Time: 11:00

Recharge Measurement

Time: 12:06

Calculated purge: 2.2

Depth of well: 44.45

Depth to water: 39.70

Actual purge: 3.0

Depth to water: 39.70

Start purge: 12:00 Sampling time: 12:08

Time	Temperature	E.C.	pH	DO	Volume
1201	24.46	769	8.36	2.24	1
1202	21.62	799	8.66	2.53	2
1203	19.86	809	8.82	2.88	3

Sample appearance: Cloudy Lock: Dolphin

Equipment replaced: (check all that apply)

2" Locking Cap: _____

Lock: _____ 7/32 Allenhead: _____

4" Locking Cap: _____

Lock-Dolphin: _____ 9/16 Bolt: _____

6" Locking Cap: _____

Pinned Allenhead (DWP): _____

Remarks: _____

Signature: [Signature]

SV

APPENDIX B

SAMPLING AND ANALYSES PROCEDURES

SAMPLING AND ANALYSIS PROCEDURES

The sampling and analysis procedures as well as the quality assurance plan are contained in this appendix. The procedures and adherence to the quality assurance plan will provide for consistent and reproducible sampling methods; proper application of analytical methods; accurate and precise analytical results; and finally, these procedures will provide guidelines so that the overall objectives of the monitoring program are achieved.

Ground Water and Liquid-Phase Petroleum Hydrocarbon Depth Assessment

A water/hydrocarbon interface probe is used to assess the liquid-phase petroleum hydrocarbon (LPH) thickness, if present, and a water level indicator is used to measure the ground water depth in monitoring wells that do not contain LPH. Depth to ground water or LPH is measured from a datum point at the top of each monitoring well casing. The datum point is typical a notch cut in the north side of the casing edge. If a water level indicator is used, the tip is subjectively analyzed for hydrocarbon sheen.

Subjective Analysis of Ground Water

Prior to purging, a water sample is collected from the monitoring well for subjective assessment. The sample is retrieved by gently lowering a clean, disposable bailer to approximately one-half the bailer length past the air/liquid interface. The bailer is then retrieved, and the sample contained within the bailer is examined for floating LPH and the appearance of a LPH sheen.

Monitoring Well Purging and Sampling

Monitoring wells are purged using a pump or bailer until pH, temperature, and conductivity of the purge water has stabilized and a minimum of three well volumes of water have been removed. If three well volumes can not be removed in one half hour's time the well is allowed to recharge to 80% of original level. After recharging, a ground water sample is then removed from each of the wells using a disposable bailer.

A Teflon bailer, electric submersible or bladder pump will be the only equipment used for well sampling. When samples for volatile organic analysis are being collected, the pump flow will be regulated at approximately 100 milliliters per minute to minimize pump effluent turbulence and aeration. Glass bottles of at least 40-milliliters volume and fitted with Teflon-lined septa will be used in sampling for volatile organics. These bottles will be filled completely to prevent air from remaining in the bottle. A positive meniscus forms when the bottle is completely full. A convex Teflon septum will be placed over the positive meniscus to eliminate air. After the bottle is capped, it is inverted and tapped to verify that it contains no air bubbles. The sample containers for other parameters will be filled, filtered as required, and capped.

The water sample is collected, labeled, and handled according to the Quality Assurance Plan. Water generated during the monitoring event is disposed of according to regulatory accepted method pertaining to the site.

QUALITY ASSURANCE PLAN

Procedures to provide data quality should be established and documented so that conditions adverse to quality, such as deficiencies, deviations, nonconformities, defective material, services, and/or equipment, can be promptly identified and corrected.

General Sample Collection and Handling Procedures

Proper collection and handling are essential to ensure the quality of a sample. Each sample is collected in a suitable container, preserved correctly for the intended analysis, and stored prior to analysis for no longer than the maximum allowable holding time. Details on the procedures for collection and handling of samples used on this project can be found in this section.

Soil and Water Sample Labeling and Preservation

Label information includes a unique sample identification number, job identification number, date, and time. After labeling all soil and water samples are placed in a Ziploc® type bag and placed in an ice chest cooled to approximately 4° Celsius. Upon arriving at Stratus' office the samples are transferred to a locked refrigerator cooled to approximately 4° Celsius. Chemical preservation is controlled by the required analysis and is noted on the chain-of-custody form. Trip blanks supplied by the laboratory accompany the groundwater sample containers and groundwater samples.

Upon recovery, the sample container is sealed to minimize the potential of volatilization and cross-contamination prior to chemical analysis. Soil sampling tubes are typically closed at each end with Teflon® sheeting and plastic caps. The sample is then placed in a Ziploc® type bag and sealed. The sample is labeled and refrigerated at approximately 4° Celsius for delivery, under strict chain-of-custody, to the analytical laboratory.

Sample Identification and Chain-of-Custody Procedures

Sample identification and chain-of-custody procedures document sample possession from the time of collection to ultimate disposal. Each sample container submitted for analysis has a label affixed to identify the job number, sampler, date and time of sample collection, and a sample number unique to that sample. This information, in addition to a description of the sample, field measurements made, sampling methodology, names of on-site personnel, and any other pertinent field observations, is recorded on the borehole log or in the field records. The samples are analyzed by a California-certified laboratory.

A chain-of-custody form is used to record possession of the sample from time of collection to its arrival at the laboratory. When the samples are shipped, the person in custody of them relinquishes the samples by signing the chain-of-custody form and

noting the time. The sample-control officer at the laboratory verifies sample integrity and confirms that the samples are collected in the proper containers, preserved correctly, and contain adequate volumes for analysis. These conditions are noted on a Laboratory Sample Receipt Checklist that becomes part of the laboratory report upon request.

If these conditions are met, each sample is assigned a unique log number for identification throughout analysis and reporting. The log number is recorded on the chain-of-custody form and in the legally-required log book maintained by the laboratory. The sample description, date received, client's name, and other relevant information is also recorded.

Equipment Cleaning

Sample bottles, caps, and septa used in sampling for volatile and semivolatile organics will be triple rinsed with high-purity deionized water. After being rinsed, sample bottles will be dried overnight at a temperature of 200°C. Sample caps and septa will be dried overnight at a temperature of 60°C. Sample bottles, caps, and septa will be protected from solvent contact between drying and actual use at the sampling site. Sampling containers will be used only once and discarded after analysis is complete.

Plastic bottles and caps used in sampling for metals will be soaked overnight in a 1-percent nitric acid solution. Next, the bottles and caps will be triple rinsed with deionized water. Finally, the bottles and caps will be air dried before being used at the site. Plastic bottles and caps will be constructed of linear polyethylene or polypropylene. Sampling containers will be used only once and discarded after analysis is complete. Glass and plastic bottles used by Stratus to collect groundwater samples are supplied by the laboratory.

Before the sampling event is started, equipment that will be placed in the well or will come in contact with groundwater will be disassembled and cleaned thoroughly with detergent water, and then steam cleaned with deionized water. Any parts that may absorb contaminants, such as plastic pump valves, etc. will be cleaned as described above or replaced.

During field sampling, equipment surfaces that are placed in the well or contact groundwater will be steam cleaned with deionized water before the next well is purged or sampled. Equipment blanks will be collected and analyzed from non-disposable sampling equipment that is used for collecting groundwater samples at the rate of one blank per twenty samples collected.

Internal Quality Assurance Checks

Internal quality assurance procedures are designed to provide reliability of monitoring and measurement of data. Both field and laboratory quality assurance checks are necessary to evaluate the reliability of sampling and analysis results. Internal quality assurance procedures generally include:

- Laboratory Quality Assurance

- Documentation of instrument performance checks
- Documentation of instrument calibration
- Documentation of the traceability of instrument standards, samples, and data
- Documentation of analytical and QC methodology (QC methodology includes use of spiked samples, duplicate samples, split samples, use of reference blanks, and check standards to check method accuracy and precision)

- Field Quality Assurance

- Documentation of sample preservation and transportation
- Documentation of field instrument calibration and irregularities in performance

Internal laboratory quality assurance checks will be the responsibility of the contract laboratories. Data and reports submitted by field personnel and the contract laboratory will be reviewed and maintained in the project files.

Types of Quality Control Checks

Samples are analyzed using analytical methods outlined in EPA Manual SW 846 and approved by the California Regional Water Quality Control Board-Central Valley Region in the Leaking Underground Fuel Tanks (LUFT) manual and appendices. Standard contract laboratory quality control may include analysis or use of the following:

- Method blanks – reagent water used to prepare calibration standards, spike solutions, etc. is analyzed in the same manner as the sample to demonstrate that analytical interferences are under control.
- Matrix spiked samples – a known amount of spike solution containing selected constituents is added to the sample at concentrations at which the accuracy of the analytical method is to satisfactorily monitor and evaluate laboratory data quality.
- Split samples – a sample is split into two separate aliquots before analysis to assess the reproducibility of the analysis.
- Surrogate samples – samples are spiked with surrogate constituents at known concentrations to monitor both the performance of the analytical system and the effectiveness of the method in dealing with the sample matrix.
- Control charts – graphical presentation of spike or split sample results used to track the accuracy or precision of the analysis.
- Quality control check samples – when spiked sample analysis indicates atypical instrument performance, a quality check sample, which is prepared independently of the calibration standards and contains the constituents of interest, is analyzed to confirm that measurements were performed accurately.

- Calibration standards and devices - traceable standards or devices to set instrument response so that sample analysis results represent the absolute concentration of the constituent.

Field QA samples will be collected to assess sample handling procedures and conditions. Standard field quality control may include the use of the following, and will be collected and analyzed as outlined in EPA Manual SW 846.

- Field blanks - reagent water samples are prepared at the sampling location by the same procedure used to collect field groundwater samples and analyzed with the groundwater samples to assess the impact of sampling techniques on data quality. Typically, one field blank per twenty groundwater samples collected will be analyzed per sampling event.
- Field replicates - duplicate or triplicate samples are collected and analyzed to assess the reproducibility of the analytical data. One replicate groundwater sample per twenty samples collected will be analyzed per sampling event, unless otherwise specified. Triplicate samples will be collected only when specific conditions warrant and generally are sent to an alternate laboratory to confirm the accuracy of the routinely used laboratory.
- Trip blanks - reagent water samples are prepared before field work, transported and stored with the samples and analyzed to assess the impact of sample transport and storage for data quality. In the event that any analyte is detected in the field blank, a trip blank will be included in the subsequent groundwater sampling event.

Data reliability will be evaluated by the certified laboratory and reported on a cover sheet attached to the laboratory data report. Analytical data resulting from the testing of field or trip blanks will be included in the laboratory's report. Results from matrix spike, surrogate, and method blank testing will be reported, along with a statement of whether the samples were analyzed within the appropriate holding time.

Stratus will evaluate the laboratory's report on data reliability and note significant QC results that may make the data biased or unacceptable. Data viability will be performed as outlined in EPA Manual SW 846. If biased or unacceptable data is noted, corrective actions (including re-sample/re-analyze, etc.) will be evaluated on a site-specific basis.

APPENDIX C

**LABORATORY ANALYTICAL REPORTS AND
CHAIN-OF-CUSTODY DOCUMENTATION**



Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

ANALYTICAL REPORT

Stratus Environmental
3330 Cameron Park Drive
Cameron Park, CA 956828861

Attn: Steve Carter
Phone: (530) 676-6008
Fax: (530) 676-6005
Date Received : 11/08/12

Job: 2120-1401-01/Haber Oil

Total Petroleum Hydrocarbons - Extractable (TPH-E) EPA Method SW8015B
Total Petroleum Hydrocarbons - Purgeable (TPH-P) EPA Method SW8015B

Client ID :	Parameter	Concentration	Reporting Limit	Date Extracted	Date Analyzed
Client ID : MW-1R					
Lab ID : STR12110842-01A	TPH-E (ORO)	ND	500 µg/L	11/08/12	11/08/12
Date Sampled 11/06/12 15:18	TPH-P (GRO)	4,100	200 µg/L	11/09/12	11/09/12
Client ID : MW-2R					
Lab ID : STR12110842-02A	TPH-E (ORO)	ND	500 µg/L	11/08/12	11/08/12
Date Sampled 11/06/12 15:45	TPH-P (GRO)	18,000	2,000 µg/L	11/09/12	11/09/12
Client ID : MW-3					
Lab ID : STR12110842-03A	TPH-E (ORO)	ND	500 µg/L	11/08/12	11/08/12
Date Sampled 11/06/12 15:00	TPH-P (GRO)	130	50 µg/L	11/09/12	11/09/12
Client ID : MW-4					
Lab ID : STR12110842-04A	TPH-E (ORO)	ND	500 µg/L	11/08/12	11/08/12
Date Sampled 11/06/12 14:40	TPH-P (GRO)	ND	50 µg/L	11/09/12	11/09/12
Client ID : MW-9					
Lab ID : STR12110842-05A	TPH-E (ORO)	ND	500 µg/L	11/08/12	11/08/12
Date Sampled 11/06/12 12:40	TPH-P (GRO)	ND	50 µg/L	11/09/12	11/09/12
Client ID : MW-10					
Lab ID : STR12110842-06A	TPH-E (ORO)	ND	500 µg/L	11/08/12	11/08/12
Date Sampled 11/06/12 12:08	TPH-P (GRO)	ND	50 µg/L	11/09/12	11/09/12
Client ID : MW-6					
Lab ID : STR12110842-07A	TPH-E (ORO)	ND	500 µg/L	11/08/12	11/08/12
Date Sampled 11/06/12 13:10	TPH-P (GRO)	ND	50 µg/L	11/09/12	11/09/12
Client ID : MW-8					
Lab ID : STR12110842-08A	TPH-E (ORO)	ND	500 µg/L	11/08/12	11/08/12
Date Sampled 11/06/12 13:50	TPH-P (GRO)	ND	50 µg/L	11/09/12	11/09/12

Gasoline Range Organics (GRO) C4-C13

Oil Range Organics (ORO) C22-C40+

ND = Not Detected

Reported in micrograms per Liter, per client request.

Roger L. Scholl, Ph.D., Laboratory Director • • Randy Gardner, Laboratory Manager • • Walter Hinchman, Quality Assurance Officer
Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 281-4848 / Carson, CA • (714) 386-2901 / info@alpha-analytical.com

Alpha Analytical, Inc. certifies that the test results meet all requirements of NELAC unless footnoted otherwise.

Statement of Data Authenticity : Alpha Analytical, Inc. attests that the data reported has not been altered in any way.

Alpha Analytical, Inc. currently holds appropriate and available California (#2019) and NELAC (01154CA) certifications for the data reported. Test results relate only to reported samples.

11/15/12

Report Date



Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
 (775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

ANALYTICAL REPORT

Stratus Environmental
 3330 Cameron Park Drive
 Cameron Park, CA 956828861
 Job: 2120-1401-01/Haber Oil

Attn: Steve Carter
 Phone: (530) 676-6008
 Fax: (530) 676-6005

Alpha Analytical Number: STR12110842-01A
 Client I.D. Number: MW-1R

Sampled: 11/06/12 15:18
 Received: 11/08/12
 Extracted: 11/09/12
 Analyzed: 11/09/12

Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	2.0 µg/L	36 1,2-Dibromoethane (EDB)	ND	4.0 µg/L
2 Chloromethane	ND	8.0 µg/L	37 Tetrachloroethene	ND	2.0 µg/L
3 Vinyl chloride	ND	2.0 µg/L	38 1,1,2-Tetrachloroethane	ND	2.0 µg/L
4 Chloroethane	ND	2.0 µg/L	39 Chlorobenzene	ND	2.0 µg/L
5 Bromomethane	ND	8.0 µg/L	40 Ethylbenzene	2.9	1.0 µg/L
6 Trichlorofluoromethane	ND	2.0 µg/L	41 m,p-Xylene	ND	1.0 µg/L
7 Acrolein	ND	200 µg/L	42 Bromoform	ND	2.0 µg/L
8 1,1-Dichloroethene	ND	2.0 µg/L	43 Styrene	ND	2.0 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	20 µg/L	44 o-Xylene	ND	1.0 µg/L
10 Dichloromethane	ND	8.0 µg/L	45 1,1,2,2-Tetrachloroethane	ND	2.0 µg/L
11 trans-1,2-Dichloroethene	ND	2.0 µg/L	46 1,2,3-Trichloropropane	ND	8.0 µg/L
12 Methyl tert-butyl ether (MTBE)	13	1.0 µg/L	47 Isopropylbenzene	6.1	2.0 µg/L
13 1,1-Dichloroethane	ND	2.0 µg/L	48 Bromobenzene	ND	2.0 µg/L
14 Di-isopropyl Ether (DIPE)	ND	2.0 µg/L	49 n-Propylbenzene	20	2.0 µg/L
15 cis-1,2-Dichloroethene	ND	2.0 µg/L	50 4-Chlorotoluene	ND	2.0 µg/L
16 Bromochloromethane	ND	2.0 µg/L	51 2-Chlorotoluene	ND	2.0 µg/L
17 Chloroform	ND	2.0 µg/L	52 1,3,5-Trimethylbenzene	ND	2.0 µg/L
18 Ethyl Tertiary Butyl Ether (ETBE)	ND	2.0 µg/L	53 tert-Butylbenzene	ND	2.0 µg/L
19 2,2-Dichloropropane	ND	2.0 µg/L	54 1,2,4-Trimethylbenzene	ND	2.0 µg/L
20 1,2-Dichloroethane	ND	2.0 µg/L	55 sec-Butylbenzene	19	2.0 µg/L
21 1,1,1-Trichloroethane	ND	2.0 µg/L	56 1,3-Dichlorobenzene	ND	2.0 µg/L
22 1,1-Dichloropropene	ND	2.0 µg/L	57 1,4-Dichlorobenzene	ND	2.0 µg/L
23 Carbon tetrachloride	ND	2.0 µg/L	58 4-Isopropyltoluene	4.4	2.0 µg/L
24 Benzene	ND	1.0 µg/L	59 1,2-Dichlorobenzene	ND	2.0 µg/L
25 Tertiary Amyl Methyl Ether (TAME)	3.4	2.0 µg/L	60 n-Butylbenzene	15	2.0 µg/L
26 Dibromomethane	ND	2.0 µg/L	61 1,2-Dibromo-3-chloropropane (DBCP)	ND	12 µg/L
27 1,2-Dichloropropane	ND	2.0 µg/L	62 1,2,4-Trichlorobenzene	ND	8.0 µg/L
28 Trichloroethene	ND	2.0 µg/L	63 Naphthalene	ND	8.0 µg/L
29 Bromodichloromethane	ND	2.0 µg/L	64 Hexachlorobutadiene	ND	8.0 µg/L
30 cis-1,3-Dichloropropene	ND	2.0 µg/L	65 1,2,3-Trichlorobenzene	ND	8.0 µg/L
31 trans-1,3-Dichloropropene	ND	2.0 µg/L			
32 1,1,2-Trichloroethane	ND	2.0 µg/L			
33 Toluene	ND	1.0 µg/L			
34 1,3-Dichloropropane	ND	2.0 µg/L			
35 Dibromochloromethane	ND	2.0 µg/L			

Reporting Limits were increased due to high concentrations of target analytes.

ND = Not Detected

Roger L. Scholl, Ph.D., Laboratory Director • Randy Gardner, Laboratory Manager • Walter Hinchman, Quality Assurance Officer

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11/15/12

Report Date

Page 1 of 1



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ANALYTICAL REPORT

Stratus Environmental
3330 Cameron Park Drive
Cameron Park, CA 956828861
Job: 2120-1401-01/Haber Oil

Attn: Steve Carter
Phone: (530) 676-6008
Fax: (530) 676-6005

Alpha Analytical Number: STR12110842-02A
Client I.D. Number: MW-2R

Sampled: 11/06/12 15:45
Received: 11/08/12
Extracted: 11/09/12
Analyzed: 11/09/12

Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	20 µg/L	36 1,2-Dibromoethane (EDB)	ND	40 µg/L
2 Chloromethane	ND	80 µg/L	37 Tetrachloroethene	ND	20 µg/L
3 Vinyl chloride	ND	20 µg/L	38 1,1,2-Tetrachloroethane	ND	20 µg/L
4 Chloroethane	ND	20 µg/L	39 Chlorobenzene	ND	20 µg/L
5 Bromomethane	ND	80 µg/L	40 Ethylbenzene	1,300	10 µg/L
6 Trichlorofluoromethane	ND	20 µg/L	41 m,p-Xylene	1,800	10 µg/L
7 Acrolein	ND	2,000 µg/L	42 Bromoform	ND	20 µg/L
8 1,1-Dichloroethene	ND	20 µg/L	43 Styrene	ND	20 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	200 µg/L	44 o-Xylene	380	10 µg/L
10 Dichloromethane	ND	80 µg/L	45 1,1,2,2-Tetrachloroethane	ND	20 µg/L
11 trans-1,2-Dichloroethene	ND	20 µg/L	46 1,2,3-Trichloropropane	ND	80 µg/L
12 Methyl tert-butyl ether (MTBE)	190	10 µg/L	47 Isopropylbenzene	56	20 µg/L
13 1,1-Dichloroethane	ND	20 µg/L	48 Bromobenzene	ND	20 µg/L
14 Di-isopropyl Ether (DIPE)	ND	20 µg/L	49 n-Propylbenzene	180	20 µg/L
15 cis-1,2-Dichloroethene	ND	20 µg/L	50 4-Chlorotoluene	ND	20 µg/L
16 Bromochloromethane	ND	20 µg/L	51 2-Chlorotoluene	ND	20 µg/L
17 Chloroform	ND	20 µg/L	52 1,3,5-Trimethylbenzene	210	20 µg/L
18 Ethyl Tertiary Butyl Ether (ETBE)	ND	20 µg/L	53 tert-Butylbenzene	ND	20 µg/L
19 2,2-Dichloropropane	ND	20 µg/L	54 1,2,4-Trimethylbenzene	930	20 µg/L
20 1,2-Dichloroethane	ND	20 µg/L	55 sec-Butylbenzene	ND	20 µg/L
21 1,1,1-Trichloroethane	ND	20 µg/L	56 1,3-Dichlorobenzene	ND	20 µg/L
22 1,1-Dichloropropene	ND	20 µg/L	57 1,4-Dichlorobenzene	ND	20 µg/L
23 Carbon tetrachloride	ND	20 µg/L	58 4-Isopropyltoluene	ND	20 µg/L
24 Benzene	1,200	10 µg/L	59 1,2-Dichlorobenzene	ND	20 µg/L
25 Tertiary Amyl Methyl Ether (TAME)	41	20 µg/L	60 n-Butylbenzene	ND	20 µg/L
26 Dibromomethane	ND	20 µg/L	61 1,2-Dibromo-3-chloropropane (DBCP)	ND	120 µg/L
27 1,2-Dichloropropane	ND	20 µg/L	62 1,2,4-Trichlorobenzene	ND	80 µg/L
28 Trichloroethene	ND	20 µg/L	63 Naphthalene	180	80 µg/L
29 Bromodichloromethane	ND	20 µg/L	64 Hexachlorobutadiene	ND	80 µg/L
30 cis-1,3-Dichloropropene	ND	20 µg/L	65 1,2,3-Trichlorobenzene	ND	80 µg/L
31 trans-1,3-Dichloropropene	ND	20 µg/L			
32 1,1,2-Trichloroethane	ND	20 µg/L			
33 Toluene	180	10 µg/L			
34 1,3-Dichloropropane	ND	20 µg/L			
35 Dibromochloromethane	ND	20 µg/L			

Reporting Limits were increased due to high concentrations of target analytes.

ND = Not Detected

Roger L. Scholl, Ph.D., Laboratory Director • Randy Gardner, Laboratory Manager • Walter Hinchman, Quality Assurance Officer

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11/15/12
Report Date



Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
 (775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

ANALYTICAL REPORT

Stratus Environmental
 3330 Cameron Park Drive
 Cameron Park, CA 956828861
 Job: 2120-1401-01/Haber Oil

Attn: Steve Carter
 Phone: (530) 676-6008
 Fax: (530) 676-6005

Alpha Analytical Number: STR12110842-03A
 Client I.D. Number: MW-3

Sampled: 11/06/12 15:00
 Received: 11/08/12
 Extracted: 11/09/12
 Analyzed: 11/09/12

Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	1.0 µg/L	36 1,2-Dibromoethane (EDB)	ND	2.0 µg/L
2 Chloromethane	ND	2.0 µg/L	37 Tetrachloroethene	ND	1.0 µg/L
3 Vinyl chloride	ND	1.0 µg/L	38 1,1,2-Tetrachloroethane	ND	1.0 µg/L
4 Chloroethane	ND	1.0 µg/L	39 Chlorobenzene	ND	1.0 µg/L
5 Bromomethane	ND	2.0 µg/L	40 Ethylbenzene	ND	0.50 µg/L
6 Trichlorofluoromethane	ND	1.0 µg/L	41 m,p-Xylene	ND	0.50 µg/L
7 Acrolein	ND	100 µg/L	42 Bromoform	ND	1.0 µg/L
8 1,1-Dichloroethene	ND	1.0 µg/L	43 Styrene	ND	1.0 µg/L
9 Tertiary Butyl Alcohol (TBA)	78	10 µg/L	44 o-Xylene	ND	0.50 µg/L
10 Dichloromethane	ND	2.0 µg/L	45 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
11 trans-1,2-Dichloroethene	ND	1.0 µg/L	46 1,2,3-Trichloropropane	ND	2.0 µg/L
12 Methyl tert-butyl ether (MTBE)	13	0.50 µg/L	47 Isopropylbenzene	ND	1.0 µg/L
13 1,1-Dichloroethane	ND	1.0 µg/L	48 Bromobenzene	ND	1.0 µg/L
14 Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	49 n-Propylbenzene	ND	1.0 µg/L
15 cis-1,2-Dichloroethene	ND	1.0 µg/L	50 4-Chlorotoluene	ND	1.0 µg/L
16 Bromochloromethane	ND	1.0 µg/L	51 2-Chlorotoluene	ND	1.0 µg/L
17 Chloroform	ND	1.0 µg/L	52 1,3,5-Trimethylbenzene	ND	1.0 µg/L
18 Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	53 tert-Butylbenzene	ND	1.0 µg/L
19 2,2-Dichloropropane	ND	1.0 µg/L	54 1,2,4-Trimethylbenzene	ND	1.0 µg/L
20 1,2-Dichloroethane	ND	1.0 µg/L	55 sec-Butylbenzene	ND	1.0 µg/L
21 1,1,1-Trichloroethane	ND	1.0 µg/L	56 1,3-Dichlorobenzene	ND	1.0 µg/L
22 1,1-Dichloropropene	ND	1.0 µg/L	57 1,4-Dichlorobenzene	ND	1.0 µg/L
23 Carbon tetrachloride	ND	1.0 µg/L	58 4-Isopropyltoluene	ND	1.0 µg/L
24 Benzene	ND	0.50 µg/L	59 1,2-Dichlorobenzene	ND	1.0 µg/L
25 Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	60 n-Butylbenzene	ND	1.0 µg/L
26 Dibromomethane	ND	1.0 µg/L	61 1,2-Dibromo-3-chloropropane (DBCP)	ND	3.0 µg/L
27 1,2-Dichloropropane	ND	1.0 µg/L	62 1,2,4-Trichlorobenzene	ND	2.0 µg/L
28 Trichloroethene	ND	1.0 µg/L	63 Naphthalene	ND	2.0 µg/L
29 Bromodichloromethane	ND	1.0 µg/L	64 Hexachlorobutadiene	ND	2.0 µg/L
30 cis-1,3-Dichloropropene	ND	1.0 µg/L	65 1,2,3-Trichlorobenzene	ND	2.0 µg/L
31 trans-1,3-Dichloropropene	ND	1.0 µg/L			
32 1,1,2-Trichloroethane	ND	1.0 µg/L			
33 Toluene	ND	0.50 µg/L			
34 1,3-Dichloropropane	ND	1.0 µg/L			
35 Dibromochloromethane	ND	1.0 µg/L			

ND = Not Detected

Roger Scholl

Randy Gardner

Walter Hinchman

Roger L. Scholl, Ph.D., Laboratory Director • Randy Gardner, Laboratory Manager • Walter Hinchman, Quality Assurance Officer
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ANALYTICAL REPORT

Stratus Environmental
 3330 Cameron Park Drive
 Cameron Park, CA 956828861
 Job: 2120-1401-01/Haber Oil

Attn: Steve Carter
 Phone: (530) 676-6008
 Fax: (530) 676-6005

Alpha Analytical Number: STR12110842-04A
 Client I.D. Number: MW-4

Sampled: 11/06/12 14:40
 Received: 11/08/12
 Extracted: 11/09/12
 Analyzed: 11/09/12

Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	1.0 µg/L	36 1,2-Dibromoethane (EDB)	ND	2.0 µg/L
2 Chloromethane	ND	2.0 µg/L	37 Tetrachloroethene	ND	1.0 µg/L
3 Vinyl chloride	ND	1.0 µg/L	38 1,1,2-Tetrachloroethane	ND	1.0 µg/L
4 Chloroethane	ND	1.0 µg/L	39 Chlorobenzene	ND	1.0 µg/L
5 Bromomethane	ND	2.0 µg/L	40 Ethylbenzene	ND	0.50 µg/L
6 Trichlorofluoromethane	ND	1.0 µg/L	41 m,p-Xylene	ND	0.50 µg/L
7 Acrolein	ND	100 µg/L	42 Bromoform	ND	1.0 µg/L
8 1,1-Dichloroethene	ND	1.0 µg/L	43 Styrene	ND	1.0 µg/L
9 Tertiary Butyl Alcohol (TBA)	81	10 µg/L	44 o-Xylene	ND	0.50 µg/L
10 Dichloromethane	ND	2.0 µg/L	45 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
11 trans-1,2-Dichloroethene	ND	1.0 µg/L	46 1,2,3-Trichloropropane	ND	2.0 µg/L
12 Methyl tert-butyl ether (MTBE)	2.3	0.50 µg/L	47 Isopropylbenzene	ND	1.0 µg/L
13 1,1-Dichloroethane	ND	1.0 µg/L	48 Bromobenzene	ND	1.0 µg/L
14 Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	49 n-Propylbenzene	ND	1.0 µg/L
15 cis-1,2-Dichloroethene	ND	1.0 µg/L	50 4-Chlorotoluene	ND	1.0 µg/L
16 Bromochloromethane	ND	1.0 µg/L	51 2-Chlorotoluene	ND	1.0 µg/L
17 Chloroform	ND	1.0 µg/L	52 1,3,5-Trimethylbenzene	ND	1.0 µg/L
18 Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	53 tert-Butylbenzene	ND	1.0 µg/L
19 2,2-Dichloropropane	ND	1.0 µg/L	54 1,2,4-Trimethylbenzene	ND	1.0 µg/L
20 1,2-Dichloroethane	ND	1.0 µg/L	55 sec-Butylbenzene	ND	1.0 µg/L
21 1,1,1-Trichloroethane	ND	1.0 µg/L	56 1,3-Dichlorobenzene	ND	1.0 µg/L
22 1,1-Dichloropropene	ND	1.0 µg/L	57 1,4-Dichlorobenzene	ND	1.0 µg/L
23 Carbon tetrachloride	ND	1.0 µg/L	58 4-Isopropyltoluene	ND	1.0 µg/L
24 Benzene	ND	0.50 µg/L	59 1,2-Dichlorobenzene	ND	1.0 µg/L
25 Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	60 n-Butylbenzene	ND	1.0 µg/L
26 Dibromomethane	ND	1.0 µg/L	61 1,2-Dibromo-3-chloropropane (DBCP)	ND	3.0 µg/L
27 1,2-Dichloropropane	ND	1.0 µg/L	62 1,2,4-Trichlorobenzene	ND	2.0 µg/L
28 Trichloroethene	ND	1.0 µg/L	63 Naphthalene	ND	2.0 µg/L
29 Bromodichloromethane	ND	1.0 µg/L	64 Hexachlorobutadiene	ND	2.0 µg/L
30 cis-1,3-Dichloropropene	ND	1.0 µg/L	65 1,2,3-Trichlorobenzene	ND	2.0 µg/L
31 trans-1,3-Dichloropropene	ND	1.0 µg/L			
32 1,1,2-Trichloroethane	ND	1.0 µg/L			
33 Toluene	ND	0.50 µg/L			
34 1,3-Dichloropropane	ND	1.0 µg/L			
35 Dibromochloromethane	ND	1.0 µg/L			

ND = Not Detected

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ANALYTICAL REPORT

Stratus Environmental
3330 Cameron Park Drive
Cameron Park, CA 956828861
Job: 2120-1401-01/Haber Oil

Attn: Steve Carter
Phone: (530) 676-6008
Fax: (530) 676-6005

Alpha Analytical Number: STR12110842-07A
Client I.D. Number: MW-6

Sampled: 11/06/12 13:10
Received: 11/08/12
Extracted: 11/09/12
Analyzed: 11/09/12

Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	1.0 µg/L	36 1,2-Dibromoethane (EDB)	ND	2.0 µg/L
2 Chloromethane	ND	2.0 µg/L	37 Tetrachloroethene	ND	1.0 µg/L
3 Vinyl chloride	ND	1.0 µg/L	38 1,1,2-Tetrachloroethane	ND	1.0 µg/L
4 Chloroethane	ND	1.0 µg/L	39 Chlorobenzene	ND	1.0 µg/L
5 Bromomethane	ND	2.0 µg/L	40 Ethylbenzene	ND	0.50 µg/L
6 Trichlorofluoromethane	ND	1.0 µg/L	41 m,p-Xylene	ND	0.50 µg/L
7 Acrolein	ND	100 µg/L	42 Bromoform	ND	1.0 µg/L
8 1,1-Dichloroethene	ND	1.0 µg/L	43 Styrene	ND	1.0 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	44 o-Xylene	ND	0.50 µg/L
10 Dichloromethane	ND	2.0 µg/L	45 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
11 trans-1,2-Dichloroethene	ND	1.0 µg/L	46 1,2,3-Trichloropropane	ND	2.0 µg/L
12 Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	47 Isopropylbenzene	ND	1.0 µg/L
13 1,1-Dichloroethane	ND	1.0 µg/L	48 Bromobenzene	ND	1.0 µg/L
14 Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	49 n-Propylbenzene	ND	1.0 µg/L
15 cis-1,2-Dichloroethene	ND	1.0 µg/L	50 4-Chlorotoluene	ND	1.0 µg/L
16 Bromochloromethane	ND	1.0 µg/L	51 2-Chlorotoluene	ND	1.0 µg/L
17 Chloroform	1.1	1.0 µg/L	52 1,3,5-Trimethylbenzene	ND	1.0 µg/L
18 Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	53 tert-Butylbenzene	ND	1.0 µg/L
19 2,2-Dichloropropane	ND	1.0 µg/L	54 1,2,4-Trimethylbenzene	ND	1.0 µg/L
20 1,2-Dichloroethane	ND	1.0 µg/L	55 sec-Butylbenzene	ND	1.0 µg/L
21 1,1,1-Trichloroethane	ND	1.0 µg/L	56 1,3-Dichlorobenzene	ND	1.0 µg/L
22 1,1-Dichloropropene	ND	1.0 µg/L	57 1,4-Dichlorobenzene	ND	1.0 µg/L
23 Carbon tetrachloride	ND	1.0 µg/L	58 4-Isopropyltoluene	ND	1.0 µg/L
24 Benzene	ND	0.50 µg/L	59 1,2-Dichlorobenzene	ND	1.0 µg/L
25 Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	60 n-Butylbenzene	ND	1.0 µg/L
26 Dibromomethane	ND	1.0 µg/L	61 1,2-Dibromo-3-chloropropane (DBCP)	ND	3.0 µg/L
27 1,2-Dichloropropane	ND	1.0 µg/L	62 1,2,4-Trichlorobenzene	ND	2.0 µg/L
28 Trichloroethene	ND	1.0 µg/L	63 Naphthalene	ND	2.0 µg/L
29 Bromodichloromethane	ND	1.0 µg/L	64 Hexachlorobutadiene	ND	2.0 µg/L
30 cis-1,3-Dichloropropene	ND	1.0 µg/L	65 1,2,3-Trichlorobenzene	ND	2.0 µg/L
31 trans-1,3-Dichloropropene	ND	1.0 µg/L			
32 1,1,2-Trichloroethane	ND	1.0 µg/L			
33 Toluene	ND	1.0 µg/L			
34 1,3-Dichloropropane	ND	0.50 µg/L			
35 Dibromochloromethane	ND	1.0 µg/L			

ND = Not Detected

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ANALYTICAL REPORT

Stratus Environmental
3330 Cameron Park Drive
Cameron Park, CA 956828861
Job: 2120-1401-01/Haber Oil

Attn: Steve Carter
Phone: (530) 676-6008
Fax: (530) 676-6005

Alpha Analytical Number: STR12110842-08A
Client I.D. Number: MW-8

Sampled: 11/06/12 13:50
Received: 11/08/12
Extracted: 11/09/12
Analyzed: 11/09/12

Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	1.0 µg/L	36 1,2-Dibromoethane (EDB)	ND	2.0 µg/L
2 Chloromethane	ND	2.0 µg/L	37 Tetrachloroethene	ND	1.0 µg/L
3 Vinyl chloride	ND	1.0 µg/L	38 1,1,2-Tetrachloroethane	ND	1.0 µg/L
4 Chloroethane	ND	1.0 µg/L	39 Chlorobenzene	ND	1.0 µg/L
5 Bromomethane	ND	2.0 µg/L	40 Ethylbenzene	ND	0.50 µg/L
6 Trichlorofluoromethane	ND	1.0 µg/L	41 m,p-Xylene	ND	0.50 µg/L
7 Acrolein	ND	100 µg/L	42 Bromoform	ND	1.0 µg/L
8 1,1-Dichloroethene	ND	1.0 µg/L	43 Styrene	ND	1.0 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	44 o-Xylene	ND	0.50 µg/L
10 Dichloromethane	ND	2.0 µg/L	45 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
11 trans-1,2-Dichloroethene	ND	1.0 µg/L	46 1,2,3-Trichloropropane	ND	2.0 µg/L
12 Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	47 Isopropylbenzene	ND	1.0 µg/L
13 1,1-Dichloroethane	ND	1.0 µg/L	48 Bromobenzene	ND	1.0 µg/L
14 Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	49 n-Propylbenzene	ND	1.0 µg/L
15 cis-1,2-Dichloroethene	ND	1.0 µg/L	50 4-Chlorotoluene	ND	1.0 µg/L
16 Bromochloromethane	ND	1.0 µg/L	51 2-Chlorotoluene	ND	1.0 µg/L
17 Chloroform	1.8	1.0 µg/L	52 1,3,5-Trimethylbenzenes	ND	1.0 µg/L
18 Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	53 tert-Butylbenzene	ND	1.0 µg/L
19 2,2-Dichloropropane	ND	1.0 µg/L	54 1,2,4-Trimethylbenzene	ND	1.0 µg/L
20 1,2-Dichloroethane	ND	1.0 µg/L	55 sec-Butylbenzene	ND	1.0 µg/L
21 1,1,1-Trichloroethane	ND	1.0 µg/L	56 1,3-Dichlorobenzene	ND	1.0 µg/L
22 1,1-Dichloropropene	ND	1.0 µg/L	57 1,4-Dichlorobenzene	ND	1.0 µg/L
23 Carbon tetrachloride	ND	1.0 µg/L	58 4-Isopropyltoluene	ND	1.0 µg/L
24 Benzene	ND	0.50 µg/L	59 1,2-Dichlorobenzene	ND	1.0 µg/L
25 Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	60 n-Butylbenzene	ND	1.0 µg/L
26 Dibromomethane	ND	1.0 µg/L	61 1,2-Dibromo-3-chloropropane (DBCP)	ND	3.0 µg/L
27 1,2-Dichloropropane	ND	1.0 µg/L	62 1,2,4-Trichlorobenzene	ND	2.0 µg/L
28 Trichloroethene	ND	1.0 µg/L	63 Naphthalene	ND	2.0 µg/L
29 Bromodichloromethane	ND	1.0 µg/L	64 Hexachlorobutadiene	ND	2.0 µg/L
30 cis-1,3-Dichloropropene	ND	1.0 µg/L	65 1,2,3-Trichlorobenzene	ND	2.0 µg/L
31 trans-1,3-Dichloropropene	ND	1.0 µg/L			
32 1,1,2-Trichloroethane	ND	1.0 µg/L			
33 Toluene	ND	0.50 µg/L			
34 1,3-Dichloropropane	ND	1.0 µg/L			
35 Dibromochloromethane	ND	1.0 µg/L			

ND = Not Detected

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ANALYTICAL REPORT

Stratus Environmental
 3330 Cameron Park Drive
 Cameron Park, CA 956828861
 Job: 2120-1401-01/Haber Oil

Attn: Steve Carter
 Phone: (530) 676-6008
 Fax: (530) 676-6005

Alpha Analytical Number: STR12110842-05A
 Client I.D. Number: MW-9

Sampled: 11/06/12 12:40
 Received: 11/08/12
 Extracted: 11/09/12
 Analyzed: 11/09/12

Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	1.0 µg/L	36 1,2-Dibromoethane (EDB)	ND	2.0 µg/L
2 Chloromethane	ND	2.0 µg/L	37 Tetrachloroethene	2.1	1.0 µg/L
3 Vinyl chloride	ND	1.0 µg/L	38 1,1,2-Tetrachloroethane	ND	1.0 µg/L
4 Chloroethane	ND	1.0 µg/L	39 Chlorobenzene	ND	1.0 µg/L
5 Bromomethane	ND	2.0 µg/L	40 Ethylbenzene	ND	0.50 µg/L
6 Trichlorodifluoromethane	ND	1.0 µg/L	41 m,p-Xylene	ND	0.50 µg/L
7 Acrolein	ND	100 µg/L	42 Bromoform	ND	1.0 µg/L
8 1,1-Dichloroethene	ND	1.0 µg/L	43 Styrene	ND	1.0 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	44 o-Xylene	ND	0.50 µg/L
10 Dichloromethane	ND	2.0 µg/L	45 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
11 trans-1,2-Dichloroethene	ND	1.0 µg/L	46 1,2,3-Trichloropropane	ND	2.0 µg/L
12 Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	47 Isopropylbenzene	ND	1.0 µg/L
13 1,1-Dichloroethane	ND	1.0 µg/L	48 Bromobenzene	ND	1.0 µg/L
14 Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	49 n-Propylbenzene	ND	1.0 µg/L
15 cis-1,2-Dichloroethene	ND	1.0 µg/L	50 4-Chlorotoluene	ND	1.0 µg/L
16 Bromochloromethane	ND	1.0 µg/L	51 2-Chlorotoluene	ND	1.0 µg/L
17 Chloroform	ND	1.0 µg/L	52 1,3,5-Trimethylbenzene	ND	1.0 µg/L
18 Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	53 tert-Butylbenzene	ND	1.0 µg/L
19 2,2-Dichloropropane	ND	1.0 µg/L	54 1,2,4-Trimethylbenzene	ND	1.0 µg/L
20 1,2-Dichloroethane	ND	1.0 µg/L	55 sec-Butylbenzene	ND	1.0 µg/L
21 1,1,1-Trichloroethane	ND	1.0 µg/L	56 1,3-Dichlorobenzene	ND	1.0 µg/L
22 1,1-Dichloropropene	ND	1.0 µg/L	57 1,4-Dichlorobenzene	ND	1.0 µg/L
23 Carbon tetrachloride	ND	1.0 µg/L	58 4-Isopropyltoluene	ND	1.0 µg/L
24 Benzene	ND	0.50 µg/L	59 1,2-Dichlorobenzene	ND	1.0 µg/L
25 Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	60 n-Butylbenzene	ND	1.0 µg/L
26 Dibromomethane	ND	1.0 µg/L	61 1,2-Dibromo-3-chloropropane (DBCP)	ND	3.0 µg/L
27 1,2-Dichloropropane	ND	1.0 µg/L	62 1,2,4-Trichlorobenzene	ND	2.0 µg/L
28 Trichloroethene	ND	1.0 µg/L	63 Naphthalene	ND	2.0 µg/L
29 Bromodichloromethane	ND	1.0 µg/L	64 Hexachlorobutadiene	ND	2.0 µg/L
30 cis-1,3-Dichloropropene	ND	1.0 µg/L	65 1,2,3-Trichlorobenzene	ND	2.0 µg/L
31 trans-1,3-Dichloropropene	ND	1.0 µg/L			
32 1,1,2-Trichloroethane	ND	1.0 µg/L			
33 Toluene	ND	0.50 µg/L			
34 1,3-Dichloropropane	ND	1.0 µg/L			
35 Dibromochloromethane	ND	1.0 µg/L			

ND = Not Detected

Roger L. Scholl, Ph.D., Laboratory Director • Randy Gardner, Laboratory Manager • Walter Hinchman, Quality Assurance Officer

Sacramento, CA • (916) 366-9089 / Las Vegas, NV • (702) 281-4848 / Carson, CA • (714) 386-2901 / info@alpha-analytical.com

Alpha Analytical, Inc. certifies that the test results meet all requirements of NELAC unless footnoted otherwise.

Statement of Data Authenticity: Alpha Analytical, Inc. attests that the data reported has not been altered in any way.

Alpha Analytical, Inc. currently holds appropriate and available California (#2019) and NELAC (01154CA) certifications for the data reported. Test results relate only to reported samples.

11/15/12

Report Date

Page 1 of 1



Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
 (775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

ANALYTICAL REPORT

Stratus Environmental
 3330 Cameron Park Drive
 Cameron Park, CA 956828861
 Job: 2120-1401-01/Haber Oil

Attn: Steve Carter
 Phone: (530) 676-6008
 Fax: (530) 676-6005

Alpha Analytical Number: STR12110842-06A
 Client I.D. Number: MW-10

Sampled: 11/06/12 12:08
 Received: 11/08/12
 Extracted: 11/09/12
 Analyzed: 11/09/12

Volatile Organics by GC/MS EPA Method SW8260B

Compound	Concentration	Reporting Limit	Compound	Concentration	Reporting Limit
1 Dichlorodifluoromethane	ND	1.0 µg/L	36 1,2-Dibromoethane (EDB)	ND	2.0 µg/L
2 Chloromethane	ND	2.0 µg/L	37 Tetrachloroethene	ND	1.0 µg/L
3 Vinyl chloride	ND	1.0 µg/L	38 1,1,2-Tetrachloroethane	ND	1.0 µg/L
4 Chloroethane	ND	1.0 µg/L	39 Chlorobenzene	ND	1.0 µg/L
5 Bromomethane	ND	2.0 µg/L	40 Ethylbenzene	ND	0.50 µg/L
6 Trichlorofluoromethane	ND	1.0 µg/L	41 m,p-Xylene	ND	0.50 µg/L
7 Acrolein	ND	100 µg/L	42 Bromoform	ND	1.0 µg/L
8 1,1-Dichloroethene	ND	1.0 µg/L	43 Styrene	ND	1.0 µg/L
9 Tertiary Butyl Alcohol (TBA)	ND	10 µg/L	44 o-Xylene	ND	0.50 µg/L
10 Dichloromethane	ND	2.0 µg/L	45 1,1,2,2-Tetrachloroethane	ND	1.0 µg/L
11 trans-1,2-Dichloroethene	ND	1.0 µg/L	46 1,2,3-Trichloropropane	ND	2.0 µg/L
12 Methyl tert-butyl ether (MTBE)	ND	0.50 µg/L	47 Isopropylbenzene	ND	1.0 µg/L
13 1,1-Dichloroethane	ND	1.0 µg/L	48 Bromobenzene	ND	1.0 µg/L
14 Di-isopropyl Ether (DIPE)	ND	1.0 µg/L	49 n-Propylbenzene	ND	1.0 µg/L
15 cis-1,2-Dichloroethene	ND	1.0 µg/L	50 4-Chlorotoluene	ND	1.0 µg/L
16 Bromochloromethane	ND	1.0 µg/L	51 2-Chlorotoluene	ND	1.0 µg/L
17 Chloroform	1.2	1.0 µg/L	52 1,3,5-Trimethylbenzene	ND	1.0 µg/L
18 Ethyl Tertiary Butyl Ether (ETBE)	ND	1.0 µg/L	53 tert-Butylbenzene	ND	1.0 µg/L
19 2,2-Dichloropropane	ND	1.0 µg/L	54 1,2,4-Trimethylbenzene	ND	1.0 µg/L
20 1,2-Dichloroethane	ND	1.0 µg/L	55 sec-Butylbenzene	ND	1.0 µg/L
21 1,1,1-Trichloroethane	ND	1.0 µg/L	56 1,3-Dichlorobenzene	ND	1.0 µg/L
22 1,1-Dichloropropene	ND	1.0 µg/L	57 1,4-Dichlorobenzene	ND	1.0 µg/L
23 Carbon tetrachloride	ND	1.0 µg/L	58 4-Isopropyltoluene	ND	1.0 µg/L
24 Benzene	ND	0.50 µg/L	59 1,2-Dichlorobenzene	ND	1.0 µg/L
25 Tertiary Amyl Methyl Ether (TAME)	ND	1.0 µg/L	60 n-Butylbenzene	ND	1.0 µg/L
26 Dibromomethane	ND	1.0 µg/L	61 1,2-Dibromo-3-chloropropane (DBCP)	ND	3.0 µg/L
27 1,2-Dichloropropane	ND	1.0 µg/L	62 1,2,4-Trichlorobenzene	ND	2.0 µg/L
28 Trichloroethene	ND	1.0 µg/L	63 Naphthalene	ND	2.0 µg/L
29 Bromodichloromethane	ND	1.0 µg/L	64 Hexachlorobutadiene	ND	2.0 µg/L
30 cis-1,3-Dichloropropene	ND	1.0 µg/L	65 1,2,3-Trichlorobenzene	ND	2.0 µg/L
31 trans-1,3-Dichloropropene	ND	1.0 µg/L			
32 1,1,2-Trichloroethane	ND	1.0 µg/L			
33 Toluene	ND	0.50 µg/L			
34 1,3-Dichloropropane	ND	1.0 µg/L			
35 Dibromochloromethane	ND	1.0 µg/L			

ND = Not Detected

Roger L. Scholl, Ph.D., Laboratory Director • Randy Gardner, Laboratory Manager • Walter Hinchman, Quality Assurance Officer

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11/15/12

Report Date

Page 1 of 1



Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

VOC Sample Preservation Report

Work Order: STR12110842

Job: 2120-1401-01/Haber Oil

Alpha's Sample ID	Client's Sample ID	Matrix	pH
12110842-01A	MW-1R	Aqueous	2
12110842-02A	MW-2R	Aqueous	2
12110842-03A	MW-3	Aqueous	2
12110842-04A	MW-4	Aqueous	2
12110842-05A	MW-9	Aqueous	2
12110842-06A	MW-10	Aqueous	2
12110842-07A	MW-6	Aqueous	2
12110842-08A	MW-8	Aqueous	2

11/15/12

Report Date

Page 1 of 1



Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

Date:
15-Nov-12

QC Summary Report

Work Order:
12110842

Method Blank		Type: MBLK		Test Code: EPA Method SW8015B/C Ext			
File ID: 1A11081209.D		Units : µg/L		Batch ID: 29867		Analysis Date: 11/08/2012 17:10	
Sample ID: MBLK-29867		Result	PQL	Run ID: FID_1_121108A	SpkVal	SpkRefVal %REC	LCL(ME) UCL(ME) RPDRefVal %RPD(Limit) Qual
TPH-E (ORG)	Sur: Nonane	ND	500				
		146		150		97	49 145
Laboratory Control Spike		Type: LCS		Test Code: EPA Method SW8015B/C Ext			
File ID: 1A11081210.D		Units : µg/L		Batch ID: 29867		Analysis Date: 11/08/2012 17:35	
Sample ID: LCS-29867		Result	PQL	Run ID: FID_1_121108A	SpkVal	SpkRefVal %REC	LCL(ME) UCL(ME) RPDRefVal %RPD(Limit) Qual
TPH-E (DRO)	Sur: Nonane	2480	50	2500		99	70 130
		147		150		98	49 145
Sample Matrix Spike		Type: MS		Test Code: EPA Method SW8015B/C Ext			
File ID: 1A11081223.D		Units : µg/L		Batch ID: 29867		Analysis Date: 11/08/2012 23:05	
Sample ID: 12110842-08AMS		Result	PQL	Run ID: FID_1_121108A	SpkVal	SpkRefVal %REC	LCL(ME) UCL(ME) RPDRefVal %RPD(Limit) Qual
TPH-E (DRO)	Sur: Nonane	2790	50	2500	0	111	53 150
		155		150		103	49 145
Sample Matrix Spike Duplicate		Type: MSD		Test Code: EPA Method SW8015B/C Ext			
File ID: 1A11081224.D		Units : µg/L		Batch ID: 29867		Analysis Date: 11/08/2012 23:31	
Sample ID: 12110842-08AMSD		Result	PQL	Run ID: FID_1_121108A	SpkVal	SpkRefVal %REC	LCL(ME) UCL(ME) RPDRefVal %RPD(Limit) Qual
TPH-E (DRO)	Sur: Nonane	2410	50	2500	0	96	53 150 2787 14.6(47)
		147		150		98	49 145

Comments:

Calculations are based off of raw (non-rounded) data. However, for reporting purposes, all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

Reported in micrograms per Liter, per client request.



Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

Date:
15-Nov-12

Work Order:
12110842

QC Summary Report

Method Blank		Type: MBLK Test Code: EPA Method SW8015B/C									
		Units : µg/L			Run ID: MSD_15_121109A			Analysis Date: 11/09/2012 12:08			
		Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)		ND	50								
Surr: 1,2-Dichloroethane-d4		8.97		10		90	70	130			
Surr: Toluene-d8		10.3		10		103	70	130			
Surr: 4-Bromofluorobenzene		9.28		10		93	70	130			
Laboratory Control Spike		Type: LCS Test Code: EPA Method SW8015B/C									
		Units : µg/L			Run ID: MSD_15_121109A			Analysis Date: 11/09/2012 10:56			
		Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)		443	50	400		111	70	130			
Surr: 1,2-Dichloroethane-d4		9.02		10		90	70	130			
Surr: Toluene-d8		10.3		10		103	70	130			
Surr: 4-Bromofluorobenzene		10.1		10		101	70	130			
Sample Matrix Spike		Type: MS Test Code: EPA Method SW8015B/C									
		Units : µg/L			Run ID: MSD_15_121109A			Analysis Date: 11/09/2012 17:34			
		Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)		2000	250	2000	126.3	94	51	144			
Surr: 1,2-Dichloroethane-d4		47.5		50		95	70	130			
Surr: Toluene-d8		49.7		50		99	70	130			
Surr: 4-Bromofluorobenzene		48.8		50		98	70	130			
Sample Matrix Spike Duplicate		Type: MSD Test Code: EPA Method SW8015B/C									
		Units : µg/L			Run ID: MSD_15_121109A			Analysis Date: 11/09/2012 17:56			
		Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)	RPDRefVal	%RPD(Limit)	Qual
TPH-P (GRO)		2200	250	2000	126.3	103	51	144	2002	9.3(29)	
Surr: 1,2-Dichloroethane-d4		46.5		50		93	70	130			
Surr: Toluene-d8		50.3		50		101	70	130			
Surr: 4-Bromofluorobenzene		49.9		50		99.8	70	130			

Comments:

Calculations are based off of raw (non-rounded) data. However, for reporting purposes, all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

Reported in micrograms per Liter, per client request.



Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

Date:
15-Nov-12

QC Summary Report

Work Order:
12110842



Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

Date: 15-Nov-12	QC Summary Report						Work Order: 12110842
Surr: 1,2-Dichloroethane-d4	8.97	10	90	70	130		
Surr: Toluene-d8	10.3	10	103	70	130		
Surr: 4-Bromofluorobenzene	9.28	10	93	70	130		
Laboratory Control Spike	Type: LCS	Test Code: EPA Method SW8260B					
File ID: 12110902.D		Batch ID: MS15W1109A			Analysis Date: 11/09/2012 10:34		
Sample ID: LCS MS15W1109A	Units : µg/L	Run ID: MSD_15_121109A			Prep Date:	11/09/2012 10:34	
Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)
1,1-Dichloroethene	9.33	1	10	93	80	120	
Methyl tert-butyl ether (MTBE)	8.25	0.5	10	83	65	140	
Benzene	9.53	0.5	10	95	70	130	
Trichloroethene	8.79	1	10	88	65	144	
Toluene	9.59	0.5	10	96	80	120	
Chlorobenzene	9.67	1	10	97	70	130	
Ethylbenzene	10.2	0.5	10	102	80	120	
m,p-Xylene	10.4	0.5	10	104	70	130	
o-Xylene	9.32	0.5	10	93	70	130	
Surr: 1,2-Dichloroethane-d4	10		10	100	70	130	
Surr: Toluene-d8	10.4		10	104	70	130	
Surr: 4-Bromofluorobenzene	9.61		10	96	70	130	
Sample Matrix Spike	Type: MS	Test Code: EPA Method SW8260B					
File ID: 12110918.D		Batch ID: MS15W1109A			Analysis Date: 11/09/2012 16:50		
Sample ID: 12110842-03AMS	Units : µg/L	Run ID: MSD_15_121109A			Prep Date:	11/09/2012 16:50	
Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)
1,1-Dichloroethene	44.7	2.5	50	0	89	64	130
Methyl tert-butyl ether (MTBE)	56.8	1.3	50	13.25	87	47	150
Benzene	45.9	1.3	50	0	92	59	138
Trichloroethene	41.4	2.5	50	0	83	65	144
Toluene	44.3	1.3	50	0	89	68	130
Chlorobenzene	44.6	2.5	50	0	89	70	130
Ethylbenzene	44.7	1.3	50	0	89	68	130
m,p-Xylene	44.8	1.3	50	0	90	68	131
o-Xylene	42.4	1.3	50	0	85	70	130
Surr: 1,2-Dichloroethane-d4	52.8		50		106	70	130
Surr: Toluene-d8	49.4		50		99	70	130
Surr: 4-Bromofluorobenzene	50.2		50		100	70	130
Sample Matrix Spike Duplicate	Type: MSD	Test Code: EPA Method SW8260B					
File ID: 12110919.D		Batch ID: MS15W1109A			Analysis Date: 11/09/2012 17:12		
Sample ID: 12110842-03AMSD	Units : µg/L	Run ID: MSD_15_121109A			Prep Date:	11/09/2012 17:12	
Analyte	Result	PQL	SpkVal	SpkRefVal	%REC	LCL(ME)	UCL(ME)
1,1-Dichloroethene	49.6	2.5	50	0	99	64	130
Methyl tert-butyl ether (MTBE)	64.6	1.3	50	13.25	103	47	150
Benzene	52.6	1.3	50	0	105	59	138
Trichloroethene	47.6	2.5	50	0	95	65	144
Toluene	52.1	1.3	50	0	104	68	130
Chlorobenzene	52.2	2.5	50	0	104	70	130
Ethylbenzene	51.9	1.3	50	0	104	68	130
m,p-Xylene	52.2	1.3	50	0	104	68	131
o-Xylene	49	1.3	50	0	98	70	130
Surr: 1,2-Dichloroethane-d4	46.6		50		93	70	130
Surr: Toluene-d8	50.6		50		101	70	130
Surr: 4-Bromofluorobenzene	50.9		50		102	70	130



Alpha Analytical, Inc.

255 Glendale Ave. • Suite 21 • Sparks, Nevada 89431-5778
(775) 355-1044 • (775) 355-0406 FAX • 1-800-283-1183

Date:
15-Nov-12

QC Summary Report

Work Order:
12110842

Comments:

Calculations are based off of raw (non-rounded) data. However, for reporting purposes, all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

Billing Information :

CHAIN-OF-CUSTODY RECORD

Page: 1 of 1

Alpha Analytical, Inc.

255 Glendale Avenue, Suite 21 Sparks, Nevada 89431-5778
 TEL: (775) 355-1044 FAX: (775) 355-0406

Client:

Stratus Environmental
 3330 Cameron Park Drive
 Suite 550
 Cameron Park, CA 95682-8861

PO :

Client's COC # : none

Job : 2120-1401-01/Haber Oil

QC Level : S3 = Final Rpt, MBLK, LCS, MS/MSD With Surrogates

Report Attention	Phone Number	EMail Address
Steve Carter	(530) 676-6008 x	scarter@stratusinc.net
Renee Scherr	(530) 313-9964 x	rscherr@stratusinc.net

EDD Required : No

Sampled by : Jerry

Cooler Temp	Samples Received	Date Printed
4 °C	08-Nov-12	08-Nov-12

Alpha Sample ID	Client Sample ID	Collection Matrix	No. of Bottles	Requested Tests								Sample Remarks
				Date	Alpha	Sub	TAT	TPH/E_W	TPHP_W	VOC_W		
STR12110842-01A	MW-1R	AQ	5	11/06/12 15:18	0	5	5	TPH/E_C	GAS-C	8260/OXYS/ Acrolein_C		
STR12110842-02A	MW-2R	AQ	5	11/06/12 15:45	0	5	5	TPH/E_C	GAS-C	8260/OXYS/ Acrolein_C		
STR12110842-03A	MW-3	AQ	5	11/06/12 15:00	0	5	5	TPH/E_C	GAS-C	8260/OXYS/ Acrolein_C		
STR12110842-04A	MW-4	AQ	5	11/06/12 14:40	0	5	5	TPH/E_C	GAS-C	8260/OXYS/ Acrolein_C		
STR12110842-05A	MW-9	AQ	5	11/06/12 12:40	0	5	5	TPH/E_C	GAS-C	8260/OXYS/ Acrolein_C		
STR12110842-06A	MW-10	AQ	5	11/06/12 12:08	0	5	5	TPH/E_C	GAS-C	8260/OXYS/ Acrolein_C		
STR12110842-07A	MW-6	AQ	5	11/06/12 13:10	0	5	5	TPH/E_C	GAS-C	8260/OXYS/ Acrolein_C		
STR12110842-08A	MW-8	AQ	5	11/06/12 13:50	0	5	5	TPH/E_C	GAS-C	8260/OXYS/ Acrolein_C		

Comments: Security seals intact. Frozen ice. TAT confirmed by phone conversation with Steve 11/8/12. TPH/P & TPH/E confirmed per email with Renee. :

Signature	Print Name	Company	Date/Time
Logged in by: _____	<i>Sarah Nei</i>	Alpha Analytical, Inc.	11/8/12 12:29

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.
 The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for the report.
 Matrix Type : AQ(Aqueous) AR(Air) SO(Soil) WS(Waste) DW(Drinking Water) OT(Other) Bottle Type: L-Liter V-Voa S-Soil Jar O-Orbo T-Tedlar B-Brass P-Plastic OT-Other

APPENDIX D

**GEOTRACKER ELECTRONIC SUBMITTAL
CONFIRMATIONS**

STATE WATER RESOURCES CONTROL BOARD
GEOTRACKER ESI

UPLOADING A GEO_WELL FILE

SUCCESS

Processing is complete. No errors were found!
Your file has been successfully submitted!

<u>Submittal Type:</u>	GEO_WELL
<u>Report Title:</u>	4Q12 QMR GeoWell 11-6-12
<u>Facility Global ID:</u>	T0600101827
<u>Facility Name:</u>	HABER OIL PRODUCT
<u>File Name:</u>	GEO_WELL.zip
<u>Organization Name:</u>	Stratus Environmental, Inc.
<u>Username:</u>	STRATUS NOCAL
<u>IP Address:</u>	12.186.106.98
<u>Submittal Date/Time:</u>	12/13/2012 9:02:00 AM
<u>Confirmation Number:</u>	9721830248

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STATE WATER RESOURCES CONTROL BOARD
GEOTRACKER ESI

UPLOADING A EDF FILE

SUCCESS

Processing is complete. No errors were found!
Your file has been successfully submitted!

Submittal Type: EDF
Report Title: 4Q12 QMR Analytical 11-06-12
Report Type: Monitoring Report - Quarterly
Facility Global ID: T0600101827
Facility Name: HABER OIL PRODUCT
File Name: 12110842_EDF.zip
Organization Name: Stratus Environmental, Inc.
Username: STRATUS NOCAL
IP Address: 12.186.106.98
Submittal Date/Time: 12/13/2012 8:57:35 AM
Confirmation Number: 3904006242

[VIEW QC REPORT](#)

[VIEW DETECTIONS REPORT](#)

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