RECEIVED

By dehloptoxic at 1:52 pm, Jan 03, 2007

November 9, 2006

Mr. Don Hwang Alameda County Health Care Services Agency (ACHCSA) Environmental Health Services Environmental Protection (LOP) 1131 Harbor Bay Parkway, Suite 250 Alameda, CA 94502-6577

Re: Former Exxon Station

5175 Broadway Oakland, California ACHCSA Fuel Leak Case No. RO0000139 SFRWQCB Site No. 01-0958 UST Fund Claim No. 003406

Dear Mr. Hwang:

I, Mr. Gary Feiner of Rockridge Heights, LLC, have retained Pangea Environmental Services, Inc. (Pangea) as the environmental consultant for the project referenced above. Pangea is submitting the *Groundwater Monitoring Report-Third Quarter 2006* dated November 9, 2006, on my behalf.

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

Sincerely,

Gary Feiner

Rockridge Heights, LLC



November 9, 2006

Mr. Don Hwang Alameda County Health Services – Environmental Health Services 1331 Harbor Bay Parkway, Suite 250 Alameda, California 94502

Re: Groundwater Monitoring Report – Third Quarter 2006

5175 Broadway Oakland, California

Dear Mr. Hwang:

On behalf of Rockridge Heights LLC, Pangea Environmental Services, Inc., has prepared this *Groundwater Monitoring Report – Third Quarter 2006*. The report describes groundwater monitoring, sampling, and other site activities.

If you have any questions or comments, please call me at (510) 435-8664.

Sincerely,

Pangea Environmental Services, Inc.

Bob Clark-Riddell, P.E. Principal Engineer

Attachment: Groundwater Monitoring Report – Third Quarter 2006

cc: Rockridge Heights, LLC, C/O Gary Feiner, 34 Schooner Hill, Oakland, California, 94618



GROUNDWATER MONITORING REPORT – THIRD QUARTER 2006

5175 Broadway Oakland, California

November 9, 2006

Prepared for:

Rockridge Heights, LLC C/O Gary Feiner 34 Schooner Hill Oakland, California 94618

Prepared by:

Pangea Environmental Services, Inc. 1710 Franklin Street, Suite 200 Oakland, California 94612

Written by:

Morgan Gillies Project Manager No. C 049629

Exp. DEST DOUB

CIVIL PROPERTY OF CAUFORNIE

Bob Clark-Riddell, P.E. Principal Engineer Groundwater Monitoring Réport – Third Quarter 2006 5175 Broadway Oakland, California November 9, 2006

INTRODUCTION

On behalf of Rockridge Heights, LLC, Pangea Environmental Services, Inc. (Pangea) conducted groundwater monitoring and sampling at the subject site (Figure 1). The purpose of the monitoring and sampling is to evaluate dissolved contaminant concentrations, determine the groundwater flow direction, and inspect site wells for separate-phase hydrocarbons (SPH). Current groundwater analytical results and elevation data are shown on Figure 2. Current and historical data are summarized on Table 1.

SITE BACKGROUND

The site is a former Exxon gas station located at the southwest corner of Broadway and Coronado Avenue in Oakland, California (Figure 1), and is situated on top of a ridge extending from the base of the East Bay Berkeley Hills into the East Bay Plain. The topography slopes gently away from the site in all directions except northeast. The site has not been operated as a gas station since at least 1979 and is currently vacant and surrounded by a locked fence. Surrounding land use is mixed residential and light commercial.

Environmental compliance work commenced when the site USTs were removed in January 1990. Three 8,000-gallon steel, single-walled USTs, associated piping, and a 500-gallon steel, single-walled waste oil tank were removed. Tank Project Engineering, Inc. (TPE) conducted the tank removal and observed holes in all four tanks. Approximately 700 tons of contaminated soil was excavated during tank removal and was subsequently remediated and reused for onsite backfill by TPE. In April 1990, TPE installed and sampled monitoring wells MW-1, MW-2 and MW-3. In June 1991, Soil Tech Engineering (STE, subsequently renamed Environmental Soil Tech Consultants [ESTC]) installed monitoring wells STMW-4 and STMW-5. Groundwater monitoring was conducted on the site intermittently until October 2002. Golden Gate Tank Removal (GGTR) performed additional assessment in January and February 2006. In June 2006, the property was purchases by the Rockridge Heights, LLC. Pangea commenced quarterly groundwater monitoring at the site in July 2006.

GROUNDWATER MONITORING AND SAMPLING

On July 28, 2006, Pangea conducted groundwater monitoring and sampling at the site. Site monitoring wells were gauged for depth to water and total well depth. Groundwater samples were obtained from four of the five site monitoring wells. Pangea attempted to locate well MW-3 by digging and scanning the presumed well location area using a metal detector, but the well was not located. Pangea later learned that GGTR could not locate the well with a magnetometer.

Groundwater Monitoring Report – Third Quarter 2006 5175 Broadway Oakland, California November 9, 2006

Before well purging, the dissolved oxygen (DO) concentration was measured in each well. DO was measured by lowering a downwell sensor to the approximate middle of the water column, and allowing the reading to stabilize during gentle height adjustment. Prior to sample collection approximately three casing volumes of water were purged using disposable bailers, an electric submersible pump, or a clean PVC bailer. During well purging field technicians measured the pH, temperature and conductivity. A groundwater sample was collected from each well with a disposable bailer and decanted into the appropriate containers supplied by the analytical laboratory. Groundwater samples were labeled, placed in protective plastic bags, and stored on crushed ice at or below 4° C. All samples were transported under chain-of-custody to the State-certified analytical laboratory. Purge water was stored onsite in DOT-approved 55-gallon drums. Field data sheets are presented as Appendix A.

MONITORING RESULTS

Groundwater elevation and analytical data are described below and summarized on Table 1 and Figure 2. Groundwater samples were analyzed for total petroleum hydrocarbons as diesel (TPHd) by EPA Method 8015C with silica gel clean-up; total petroleum hydrocarbons as gasoline (TPHg) by modified EPA Method 8015C; and benzene, toluene, ethylene, xylenes (BTEX) by EPA Method 8021B; tert-amyl methyl ether (TAME), t-butyl alcohol (TBA), 1,2-dibromoethane (EDB), 1,2-dichloroethane (1,2-DCA), diisopropyl ether (DIPE), ethanol, ethyl tert-butyl ether (ETBE), methanol, and methyl tertiary butyl ether (MTBE) by EPA Method 8260B. Samples were analyzed by McCampbell Analytical, Inc. of Pacheco, California, a State-certified laboratory. The laboratory analytical report is included in Appendix B. Dissolved oxygen concentrations ranged from 0.17 to 0.24 mg/L.

Groundwater Flow Direction

Based on depth-to-water measurements collected on July 28, 2006, the inferred groundwater flow direction was toward the southwest at a gradient of approximately 0.035 ft/ft (Figure 2). The current inferred flow direction is generally consistent with previous quarterly monitoring events.

Hydrocarbon and Fuel Oxygenate Distribution in Groundwater

After removing approximately 4 gallons of groundwater from well STMW-4, SPH were observed on the bailer. Purging was stopped, SPH were measured at a thickness of 0.04 ft, and a groundwater sample was collected. TPHg, TPHd and BTEX concentrations were detected in all four of the sampled wells (MW-1, MW-2, STMW-4 and STMW-5), as shown on Table 1 and Figure 2. Detected TPHg concentrations ranged from 250 μ g/L (MW-1) to 25,000 μ g/L (STMW-4), while TPHd concentrations ranged from 86 μ g/L (MW-1) to 39,000 μ g/L (STMW-4) and benzene concentrations ranged from 22 μ g/L (STMW-5) to 960 μ g/L (STMW-4). The

Groundwater Monitoring Report - Third Quarter 2006

5175 Broadway Oakland, California

November 9, 2006

laboratory noted that gasoline range compounds were significant in the quantification of diesel range

hydrocarbons in wells MW-1 and MW-2. No MTBE was detected in sampled groundwater. The only fuel

oxygenate detected in site groundwater was diisopropyl ether (DIPE), at concentrations ranging from 3.6 μg/L

(MW-2) to 65 μg/L (STMW-4). The lead scavenger 1,2-dichloroethane (1,2-DCA) was detected at 1.5 μg/L in

well MW-1.

OTHER SITE ACTIVITIES

Groundwater Monitoring

Groundwater monitoring and sampling will be conducted at the subject site on a quarterly basis. During the

next quarter Pangea will conduct gauging and sampling of all site groundwater monitoring wells (except well

MW-3 which was apparently removed or abandoned). Groundwater samples will be analyzed for

TPHg/BTEX/MTBE by EPA Method 8015Cm/8021B, and TPHd by EPA Method 8015C with silica gel

cleanup. Pangea will also measure dissolved oxygen concentrations in site wells. Pangea will summarize

groundwater monitoring activities and results in a groundwater monitoring report.

Site Assessment

On May 8, 2006, Golden Gate Tank Removal (GGTR) submitted the report Preliminary Results of Site

Characterization: Proposed Additional Activities-Former Exxon Station, 5175 Broadway, Oakland, California

to Alameda County Environmental Health on behalf of the prior site owner. The GGTR report does not

address several specific requirements of the December 22, 2005 ACEH letter that approved the investigation

workplan. To address regulatory concerns regarding subsurface conditions, Pangea prepared Addendum to

Preliminary Results of Site Characterization: Proposed Additional Activities dated November 8, 2006. The

Addendum proposes soil and groundwater grab sampling, well installation, shallow soil gas sampling, and

feasibility testing to further define site conditions and facilitate corrective action at the site.

ATTACHMENTS

Figure 1 – Site Vicinity Map

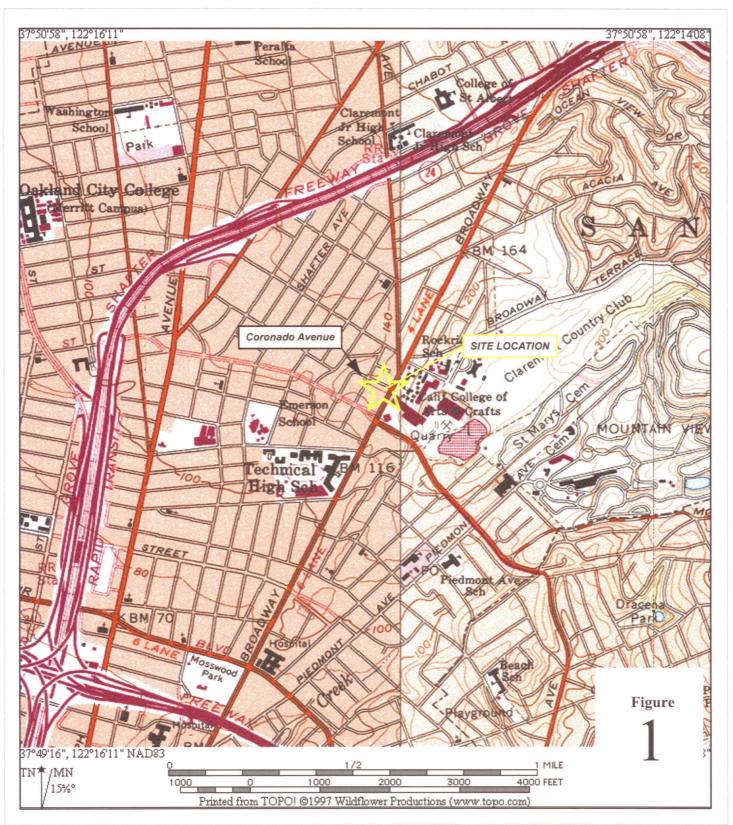
Figure 2 – Groundwater Elevation Contour and Hydrocarbon Concentration Map

Table 1 – Groundwater Elevation and Analytical Data

Appendix A – Groundwater Monitoring Field Data Sheets

Appendix B – Laboratory Analytical Report

3

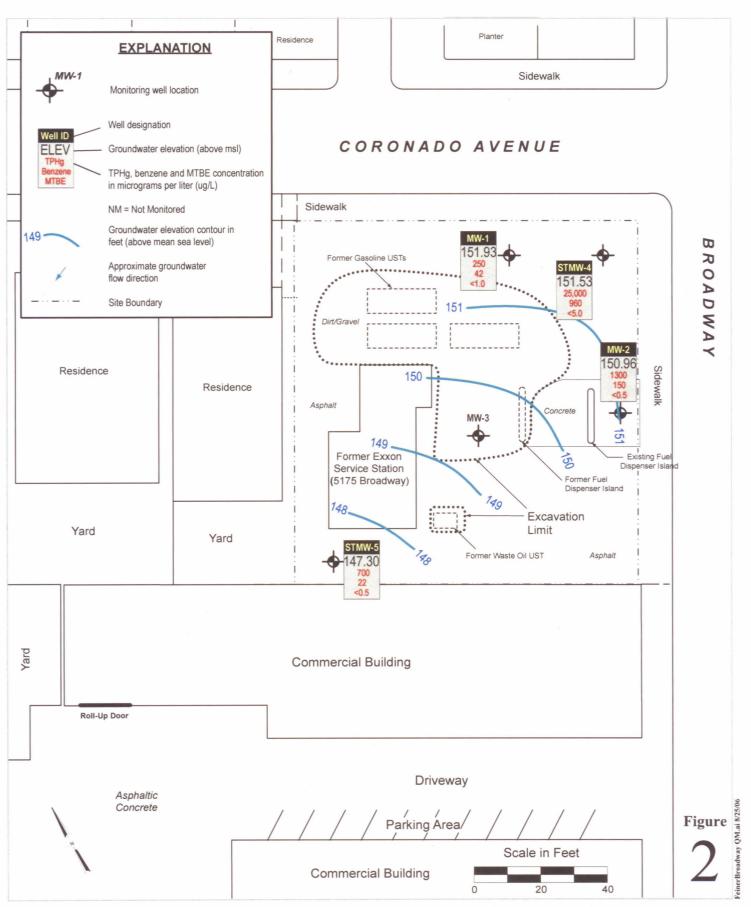


Former Exxon Station 5175 Broadway Oakland, California



Site Location Map

einer Broadwaysite loc.a



Former Exxon Station 5175 Broadway Oakland, California



Groundwater Elevation Contour and Hydrocarbon Concentration Map July 28, 2006

Table 1. Groundwater Analytical Data: Feiner, 5175 Broadway, Oakland, CA

Well ID	Date		Groundwater	Depth										Dissolved
TOC Elev	Sampled	SPH	Elevation	to Water	TPHd	TPHg	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	DIPE	1,2-DCA	Oxygen
(ft)		(ft)	(ft)	(ft)	←				μg/L —				→	mg/L
MW-1	4/30/89	**	**			200	18	5	2	12				
(97.71)	5/17/90	**	88.45	9.26		**		**	**					
	9/26/90	**	87.79	9.92		1,300	55	31	120	100				**
	1/14/91		88.17	9.54		3,100	350	83	86	130				
(102.04)	7/3/91	**	92.62	9.42		580	32	41	40	55				**
	11/11/91		92.59	9.45		330	20	2	2	11				
(101.83)	3/4/92		93.90	7.93		810	11	5	10	23				
	6/2/92		92.85	8.98		2,200	93	32	40	120			~~ ;	
	9/28/92		92.54	9.29		2,900	24	78	19	37				
	1/11/93		94.27	7.56		1,700	5.7	6	11	28				
	8/15/94		92.64	9.19		2,000	120	3	6	16				
(97.50)	11/7/96		88.77	8.73	270	1,200	3	1.1	1.5	3.8	< 0.5			
	2/12/97		89.58	7.92	< 50	1,800	13	5.7	4.8	17	< 0.5			
	6/16/97	**	88.46	9.04	<50	330	27	< 0.5	< 0.5	1.2	< 0.5		* **	
	9/30/97		89.94	7.56	< 50	<50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5			
(97.50)	1/27/98		89.54	7.96	< 50	< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5			
	4/24/98	**	89.52	7.98	< 50	<50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5			
	8/17/98		88.52	8.98	< 50	<50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5			
	11/16/98		88.60	8.90	< 50	<50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5			
	2/16/99	**	88.86	8.64	<50 .	110	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5			
	5/17/99		89.00	8.50		280	1.1	0.6	< 0.5	< 0.5	< 0.5			
	8/17/99		88.26	9.24	86	790	5.6	4.3	4.5	11	< 5.0			
	11/17/99	**	87.06	10.44		1,300	3.6	1.9	2.7	6.6	<1.0	**		
	2/17/00		89.02	8.48		580	1.1	2.3	3.6	4.9	< 5.0			
	5/17/00		89.26	8.24		1,500	130	6.8	6.1	< 5.0	< 5.0			
	8/17/00		88.73	8.77		550	160	<25	<25	<25	<25			
	11/15/00		88.46	9.04		130	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0			
	2/16/01		89.90	7.60		400	26	< 5.0	< 5.0	< 5.0	< 5.0			
	1/11/02		89.42	8.08	160	600	74	53	14	52	110			
(161.03)	7/1/02	an an	152.01	9.02	280	670	25	< 5.0	<5.0	< 5.0	< 5.0			
	10/4/02	**	151.29	9.74	520	1,800	130	7.8	8.1	14	< 5.0			
	7/28/06	**	151.93	9.10	86	250	42	1.7	1.4	3.1	<1.0	51	1.5	0.21
MW 2	4/20/00					220	20	10	,	22				
MW-2	4/30/89		97.79	10.00		230	39	18	5	23				
(97.78)	5/17/90	***	87.78	10.00		950	070		25	47				
	9/29/90		86.95	10.83		850	970	5	25	47				
(102.02)	1/14/91		87.15	10.63		3,100	30	52	24	34				
(102.02)	7/3/91		91.94	10.08	**	1,590	30	52	24	34				
	11/11/91		91.81	10.21		960	320	15	4	29				-
	3/4/92		93.32	8.70		1,500	9.5	8.4	9.8	22				
	6/2/92		92.50	9.52		2,800	84	41	59	95				
	9/28/92		91.93	10.09		1,600	47	20	47	97				
	1/11/93	**	93.50	8.52		2,500	8.6	10	17	32				
(97.49)	8/15/94		87.58	9.91		6,000	450	60	100	95	***	**		

Table 1. Groundwater Analytical Data: Feiner, 5175 Broadway, Oakland, CA

Well ID	Date		Groundwater	Depth										Dissolved
TOC Elev	Sampled	SPH	Elevation	to Water	TPHd	TPHg	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	DIPE	1,2-DCA	Oxygen
(ft)		(ft)	(ft)	(ft)	←				μg/L				—	mg/L
MW-2	11/7/96		87.47	10.02	780	4,200	25	4.9	8.1	14	< 0.5		***	
(continued)	2/12/97	**	88.58	8.91	5,700	1,800	16	3.1	3.4	8.8	< 0.5			
	6/16/97		87.74	9.75	<50	2,500	22	5.1	7.8	11	< 0.5	**		
	9/30/97	**	89.60	7.89	< 50	<50	< 0.5	<0.5	< 0.5	< 0.5	< 0.5			
	1/27/98		89.11	8.38	<50	<50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	**		
	4/24/98		88.81	8.68	1,400	2,100	18	6.5	4.8	21	< 0.5			
	8/17/98	**	87.75	9.74	<50	2,900	5.1	4.5	5.8	17	< 0.5			
	11/16/98	**	87.35	10.14	<50	1,400	2.1	1.9	2.3	4.8	< 0.5	**	***	
	2/16/99		88.57	8.92	< 50	1,600	82	16	<2.5	40	59			
	5/17/99	***	88.23	9.26		8,200	43	73	140	100	<250	**	**	
	8/17/99		87.45	10.04	260	2,900	20	81	17	38	<5.0			
	11/17/99		85.97	11.52	<50	2,600	7	3.7	5.3	12.9	<1.0			
	2/17/00		87.99	9.50		1,700	3.2	6.8	11	12.3	< 5.0	**		
	5/17/00	**	88.65	8.84		3,800	450	65	110	80	<25			
	8/17/00		88.99	8.50		4,300	440	< 50	78	<50	<50			
	11/15/00		87.55	9.94		5,800	320	41	78	64	<25			
	2/16/01		88.97	8.52		2,200	110	20	38	33	< 5.0			
	1/11/02		88.67	8.82	620	3,100	280	86	84	110	< 50			
(160.98)	7/1/02		151.34	9.64	940	2,600	300	29	45	27	<10			
	10/4/02		150.46	10.52	390	4,000	440	66	140	120	<25			
	7/28/06		150.96	10.02	340	1,300	150	9.9	6	18	< 0.5	3.6	< 0.5	0.17
NASV. 2	4/20/00					56,000	2.600	0.700	1 200	7.200				
MW-3	4/30/90		05.70	10.40		56,000	3,600	8,600	1,300	7,200				
(98.14)	5/17/90		85.72	12.42		54.000	5 100	420	1.000					
	9/26/90		84.64	13.50		54,000	5,100	420	1,600	8,000				
	1/14/91		85.56	12.58		35,000	2,600	6,600	1,500	5,700				
(102.46)	7/3/91	-	90.38	12.08		33,000	4,120	4,300	1,400	4,800				
	11/11/91		90.17	12.29		57,000	3,900	8,400	2,100	14,000				
(102.18)	3/4/92		91.92	10.26		57,000	720	870	81	3,100			h	
(97.94)	6/2/92		86.54	11.40		50,000	240	240	220	740				
	9/28/92		85.30	12.64		64,000	110	93	97	250		**		
	1/11/93		87.84	10.10		68,000	210	280	360	990				
	8/15/94		85.74	12.20		50,000	870	1,200	1,300	3,000				
	11/7/96	**	85.54	12.40	470	68,000	33	27	63	120	<0.5			
	2/12/97		87.71	10.23	3,500	25,000	39	43	15	91	<0.5			
	6/16/97	**	86.15	11.79	<50	9,700	26	29	45	81	< 0.5			
	9/30/97		88.54	9.40	1,600	6,000	43	36	12	11	< 0.5			
	1/27/98		88.14	9.80	560	380	5.7	4.1	1.7	9.1	<0.5			
	4/24/98		88.04	9.90	680	<50	< 0.5	< 0.5	<0.5	<0.5	<0.5			
	8/17/98		86.48	11.46	<50	16,000	200	18	31	82	<0.5			
	11/16/98	**	85.54	12.40	<50	68,000	86	54	69	130	<0.5			
	2/16/99	***	87.22	10.72	<50	33,000	270	110	<5.0	770	170			
	5/17/99		87.40	10.54		72,000	280	230	320	890	<250		**	
	8/17/99		85.99	11.95	1,800	20,000	51	41	61	130	< 5.0	**	**	

Table 1. Groundwater Analytical Data: Feiner, 5175 Broadway, Oakland, CA

Well ID TOC Elev	Date Sampled	SPH	Groundwater Elevation	Depth to Water	TPHd	TPHg	Benzene	Toluene	Ethylbenzene	Xylenes	МТВЕ	DIPE	1,2-DCA	Dissolved Oxygen
(ft)	Sampled	(ft)	(ft)	(ft)	←	11118	Delizelle	Tordene	— μg/L —	Aylenes	WIIDL	DILL	1,2-DCA	mg/L
()1)		(11)	(11)	(11)					ру.с					mg/L
MW-3	11/17/99		84.34	13.60		1,700	39	22	31	84	<1.0			
(continued)	2/17/00		87.26	10.68		8,800	16	39	74	90	<5.0			
,	5/17/00		87.69	10.25		22,000	300	260	410	940	< 5.0			
	8/17/00		86.10	11.84	-	15,000	230	140	470	750	<50			
	11/15/00		86.12	11.82		12,000	250	210	390	700	<25			
	2/16/01		88.26	9.68		7,400	40	72	700	250	<25			
	1/11/02		88.36	9.58	1,900	9,300	230	200	290	580	<25			
(161.43)	7/1/02		150.29	11.14	5,200	13,000	230	220	450	890	<13			
	10/4/02		148.61	12.82	4,900	11,000	280	170	450	730	<25			
	7/28/06			Not Sample	ed - Unable to	locate well								
				•										
STMW-4	7/3/91		92.58	11.00		3,100	610	62	39	150		**		
(103.58)	11/11/91		92.50	11.08		3,600	990	15	2.6	180				
(101.08)	3/4/92		91.64	9.44		5,000	35	20	22	71				
(98.80)	6/2/92	**	88.48	10.32		13,000	140	45	63	210		**		
	9/28/92		88.04	10.76		40,000	35	20	48	110				
	1/11/93		89.52	9.28		24,000	26	88	92	280				
	8/15/94		88.26	10.54		9,000	500	34	46	130				
	11/7/96		88.43	10.37	180	13,000	40	2.9	7.8	19	< 0.5			
	2/12/97		89.44	9.36	5,700	5,300	95	5.3	5.9	18	< 0.5			
	6/16/97		88.40	10.40	<50	5,300	37	6.2	1.7	11	< 0.5			
	9/30/97		90.30	8.50	< 50	2,700	42	7.7	5.7	26	< 0.5			
	1/27/98		89.90	8.90	300	3,000	60	17	12	49	< 0.5			
	4/24/98	**	89.30	9.50	<50	<50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5			
	8/17/98	**	88.44	10.36	<50	29,000	36	24	59	160	< 0.5			
	11/16/98		88.24	10.56	<50	13,000	26	21	20	. 41				
	2/16/99		89.16	9.64	<50	32,000	660	16	16	150	<100	**		
	5/17/99		88.84	9.96		13,000	1600	30	45	78	<250	**		
	8/17/99		88.16	10.64	990	12,000	260	22	33	72	<5.0			
	11/17/99		86.78	12.02		7,900	21	12	17	40	<1.0			**
	2/17/00		89.48	9.32		4,900	8.9	21	38	50	< 5.0			
	5/17/00		89.15	9.65		9,600	840	< 50	61	<50	< 50			
	8/17/00		88.46	10.34		5,100	680	<50	62	<50	<50	**		
	11/15/00		88.28	10.52		3,900	640	<25	26	27	<25			
	2/16/01		89.60	9.20		5,700	560	<25	<25	<25	<25		-~	
	1/11/02		89.22	9.58	930	4,900	560	59	25	<25	<250			
(162.13)	7/1/02		151.85	10.28	6,700	6,700	470	18	32	45	<13			
	10/4/02		151.05	11.08	2,900	13,000	590	26	65	110	<25			
	7/28/06	0.04	151.56	10.60	39,000	25,000	960	21	73	130	< 5.0	65	< 5.0	0.22

Table 1. Groundwater Analytical Data: Feiner, 5175 Broadway, Oakland, CA

Well ID	Date		Groundwater	Depth										Dissolve
OC Elev	Sampled	SPH	Elevation	to Water	TPHd	TPHg	Benzene	Toluene	Ethylbenzene	Xylenes	MTBE	DIPE	1,2-DCA	Oxyger
(ft)		(ft)	(ft)	(ft)	<u> </u>				μg/L —				→	mg/L
STMW-5	7/3/91	**	88.70	13.29		690	99	81	19	98				
(101.99)	11/11/91		87.99	14.00		410	61	2.4	1.4	20				
(101.36)	3/4/92		89.56	11.80		460	13	6.5	11	18				
	6/2/92		88.30	13.06		1,800	27	20	21	43				
	9/28/92		87.32	14.04		1,500	14	6.1	18	22				**
	1/11/93		89.75	11.61		800	1.8	3	3.1	9.4				***
	8/15/94		87.51	13.85		3,000	320	62	34	220				
(97.14)	11/7/96	***	83.47	13.67	330	1,200	11	1.7	4.4	13	< 0.5			
	2/17/97		85.07	12.07	3,700	1,000	11	17	1.7	9.7	< 0.5			
	6/19/97		83.81	13.33	2,300	950	7.4	1	1	7.2	< 0.5			
	9/30/97		85.90	11.24	1,100	710	5.8	4	1	1	< 0.5			
	1/27/98		85.50	11.64	1,100	340	2	1.8	1.6	8.2	< 0.5			
	4/24/98	**	85.30	11.84	< 50	3,300	12	9.4	8.5	37	< 0.5			
	8/17/98		83.94	13.20	<50	5,300	26	17	14	39	< 0.5			
	11/16/98		83.40	13.74	<50	<50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5			
	2/16/99		84.92	12.22	<50	950	150	3.8	1.4	14	11			
	5/17/99		84.56	12.58		2,800	67	9.4	<2.5	16	30			
	8/17/99	**	83.66	13.48	230	2,800	18	17	18	36	< 5.0			
	11/17/99	**	82.26	14.88		1,600	3.9	2.3	3.2	7.5	<1.0			
	2/17/00		84.58	12.56		770	1.5	3.2	5.8	7	< 5.0			
	5/17/00		85.06	12.08		4,500	<25	<25	<25	<25	<25			
	8/17/00		83.58	13.56		2,900	170	64	100	250	<10			
	11/15/00		83.86	13.28		2,100	120	24	40	54	< 5.0	**		
	2/16/01		85.54	11.60		850	58	9.8	9.4	18	< 5.0			
	1/11/02	-	85.42	11.72	<50	920	76	16	16	28	13			
160.65)	7/1/02		147.51	13.14	1,500	4,300	71	14	14	36	<5.0			
	10/4/02		146.13	14.52	60	1,400	71	17	26	35	<5.0			
	7/28/06		147.30	13.35	370	700	22	4.3	1.2	6.6	<0.5	<0.5	<0.5	0.24

Abbreviations

 μ g/L = micrograms per liter - approximately equal to parts per billion = ppb

mg/L = milligrams per liter - approximately equal to parts per million = ppm

SPH = Separate-phase hydrocarbons encountered in well (value in parentheses is thickness in feet)

Groundwater elevation is calculated according to the relationship: groundwater elevation = TOC (elevation) - (depth to water) + (0.8)(SPH thickness)

TPHg = Total petroleum hydrocarbons as gasoline by EPA Method 8015Cm.

TPHd = Total petroleum hydrocarbons as diesel by EPA Method 8015C.

BTEX by EPA Method 8021B.

MTBE = Methyl tertiary-butyl ether by EPA Method 8021B. (Concentrations in parentheses are by EPA Method 8260B).

DIPE = Diisopropyl ether by EPA Method 8260B.

1,2-DCA = 1,2-Dichloroethane by EPA Method 8260B.

APPENDIX A

Groundwater Monitoring Field Data Sheets

Page 1 of 1

Well Gauging Data Sheet

Project.Ta	ask#: //	45.00	1 20%	Project Name	: Feine	r	
1				akland C	A .	Date: 7-	28-06
Name: Sa	njiv Gill			Signature:	15		
Well ID	Well Size (in.)	Time	Depth to Immiscible Liquid (ft)	Thickness of Immiscible Liquid (ft)	Depth to Water (ft)	Total Depth (ft)	Measuring Point
WH-1	411	1:23			9.10	3 3.00	TOC
MN-Z	4"	1:25			10.02	22.90	
MH-3		un	able	to loca	te		
STMWY	411	1:27			10.60	19.00	TOC
STMW-5	2"	1: 20			13.35	23.97	
					tool (Included see also		
	Mario Paris Carlos Paris de						
		****		Constitution and the second and the second			
		L	I		1	p 300 0	

Comments:



MONITORING FIELD DATA	A SHEET Well ID: MN-1							
Project.Task #: /145.001 208	_							
Address: 5175 Broadway O	akland CA							
Date: 7-28-06	Weather Cloudy							
Well Diameter: 4 '/	Volume/ft. $1" = 0.04$ $3" = 0.37$ $6" = 1.47$ $2" = 0.16$ $4" = 0.65$ radius $2" = 0.163$							
Total Depth (TD): マス・シウ	Depth to Product:							
Depth to Water (DTW): 9-/D	Product Thickness:							
Water Column Height: 13.90	1 Casing Volume: 9.03 gallons							
Reference Point: TOC	3 Casing Volumes: 27.09 gallons							
Purging Device: Disposable Bailer 3" PV	C Bailer, Whal Pump							
Sampling Device: Disposable Bailer								
Time Temp © pH Cond (µs)	NTU DO(mg/L) ORP (mV) Vol(gal) DTW							
7:15 19.5 7.72 684	9							
7.80 609	/8							
7.25 18.9 7.88 615	27							
Comments: Oakton DO meter	pre purge DO = 0.2 mg/l							
	post purge DO = mg/l							
very turbed, silty, odas								
Sample ID: MU-1	Sample Time: 7: 30							
Laboratory: McCampbell Analytical, INC.	Sample Date: 7-28-00							
Containers/Preservative: Voa/HCI , A	Mb /HCI							
Analyzed for: 8015, 8021, 8760	10							
Sampler Name: Sanjiv Gill	Signature:							



	MONIT	OPING	FIELD DAT	V GREE	r	Mall II					
				T	,	MAGII IF	: Mu	-2			
Project.	Task #:	1145.0	805 10	Project N	Name:	Feine	r				
Address	: 5175	Broa	duay Oa	Kland.	CA						
Date:	7-28	-06		Weather	- (10)	ed y					
Well Dia	meter.	4"		Volume/R. 1" = 0.04 3" = 0.37 6" = 1.47 2" = 0.16 4" = 0.65 radius ² * 0.163							
		27.90	7		Product:		Tradas O.	.100			
		TW): 10.			Thickness	S:					
			8.37	1 Casing	Volume:	5.4	4	gallons			
	e Point:				sing Volu			gallons			
Purging	Device: D	isposable	Bailer 3" PV	Baller, V	Vhal Pum	D					
		Disposabl									
Time	Temp ©	pH	Cond (µe)	NTU	DO(mg/L)	ORP (mV)	Vol(gal)	DTW			
3:00	20.4	7.43	~ -				5.5				
3:05	19.6	7.47	122				11				
3:10	19.1	7.50	752				16				
					2 :-						
Comments	Oakton DO	meter		pre purge D							
Vecy	1(1:)	flier		post purge	00 =	mg/l					
V C. 7	4111 010	13111	y			-					
Sample II	o: ML	1-2		Sample T	ime: 3.	15					
			alytical, INC.				<u> </u>				
			a/HCI, Amb								
		, 802 1 , 8		- Andrews (London	11		1				
	Name: Sa			Signature	: 🔼	_					
	-				1						



Project Task #: //45, 00 208 Project Name: Feiner Address: 517 S Brock May Oakland CA Date: 7-2806 Weather: C 0Ud/ Well Diarneter: 4' Volume/R. 1'=0.04 3'=0.37 6'=1.47 Well Diarneter: 4' Volume/R. 1'=0.04 3'=0.37 6'=1.47 Total Depth (TD): /9:00 Depth to Product: Depth to Water (DTW): /0:60 Product Thickness: Water Column Height: 8.40 1 Casing Volume: 5.46 gallons Reference Point: TOC 3 Casing Volumes: /6.3 8 gallons Reference Point: TOC 3 Casing Volumes: /6.3 8 gallons Sampling Device: Disposable Bailer, 3" PVC Bailer, Whal Pump Sampling Device: Disposable Railor Time Temp P PH Cond (µs) NTU DC(mg/L) ORP (mV) Vol(ge) DTW 3:25 5:5 3:30 1/1 3:25 1/2 Comments: Oakton DO moter pro purge DO = 0.2 2 mg/l post purge DO = 0.2 2 mg/l Sample ID: STM J-4 Sample Time: 3:40 Laboratory: McCampbell Analytical, INC. Sample Date: 7-28-0 6 Containers/Preservative: Voa/HCI Amb ML/L Analyzed for: 8015, 8021 82-60	MONITORING FIELD DA	ATA SHEET Well ID: STMU-4
Address: 517 5 Broad Way Oakland CA Date: 7-2806 Weather: C 0 U.d.Y Well Diameter: Y Volume/ft: 1 = 0.04 3 = 0.37 6 = 1.47 Total Depth (TD): /9:00 Depth to Product: Depth to Water (DTW): /0:60 Product Thickness: Water Column Height: 8:40 1 Casing Volume: 5:46 gallons Reference Point: TOC 3 Casing Volumes: /6:3 8 gallons Purging Device: Disposable Bailer, 3" PVC Bailter, Whal Pump Sampling Device: Disposable Bailer, 3" PVC Bailter, Whal Pump Sampling Device: Disposable Bailer, 3" PVC Bailter, Whal Pump Sampling Device: Disposable Bailer, 3" PVC Bailter, Whal Pump Sampling Device: Disposable Bailer, 3" PVC Bailter, Whal Pump Sampling Device: Disposable Bailer, 3" PVC Bailter, Whal Pump Sampling Device: Disposable Bailer, 3" PVC Bailter, Whal Pump Sampling Device: Disposable Bailer, 3" PVC Bailter, Whal Pump Sampling Device: Disposable Bailer, 3" PVC Bailter, Whal Pump Comments: Oakton DO moter pro purge DO = 0.22 mg/l post purge DO = mg/l after pussion Ysallens SPH SPHIN.SO DT SU SU Laboratory: McCampbell Analytical, INC. Sample Daito: 7-78-0 6 Containers/Preservative: Voa/HCI Amb McJ Analyzed for: 8015, 8021 , 82 60	Project.Task #: //45.001 21	
Well Diameter: 4 // Volume/ft. 2" = 0.04 3" = 0.37 6" = 1.47 Total Depth (TD): /9.00 Depth to Product: Depth to Water (DTW): /0.60 Product Thickness: Water Column Height: 2.40 1 Casing Volume: 5.46 gallons Reference Point: TOC 3 Casing Volumes: /6.3 gallons Purging Device: Disposable Bailer, 3" PVC Beller, Whal Pump Sampling Device: Disposable Railor Time Temp® pH Cond (µs) NTU DO(mg/L) ORP (mV) Vol(gal) DTW 3:25 J J J J J J J J J J J J J J J J J J J	Address: 5175 Broadway	Oakland CA
Total Depth (TD): 19.00 Depth to Water (DTW): 10.60 Product Thickness: Water Column Height: 9.40 1 Casing Volume: 5.46 gallons Reference Point: TOC 3 Casing Volumes: 16.38 gallons Purging Device: Disposable Bailer, 3" PVC Bailer, Whal Pump Sampling Device: Disposable Bailer Time Temp® pH Cond (µs) NTU DO(mg/L) ORP (mV) Vol(qa) DTW 3:25 3:30 3:35 Comments: Oakton DO meter pro purge DO = 0.22mg/I post purge DO = mg/I after paging Vallons SPH SPHINLSO TH. SHIPLSO Sample ID: STM 14-1 Sample Time: 3:40 Laboratory: McCampbell Analytical, INC. Sample Date: 7-78-06 Containers/Preservative: Voa/HCI Analyzed for: 8015, 8021, 82.60	Date: 7-2896	
Total Depth (TD): 19.00 Depth to Water (DTW): 10.60 Product Thickness: Water Column Height: 8.40 Reference Point: TOC 3 Casing Volume: 5.46 gallons Purging Device: Disposable Bailer, 3" PVC Bailer, Whal Pump Sampling Device: Disposable Bailer Time Temp® pH Cond (us) NTU DO(mg/L) ORP (mV) Vol(gal) Time Temp® pH Cond (us) NTU DO(mg/L) ORP (mV) Vol(gal) The Sission Comments: Oakton DQ meter pro purge DQ = 0.22mg/I post purge DQ = mg/I after product: Depth to Product: Product Thickness: Casing Volume: 5.46 gallons Purging Device: Disposable Bailer, 3" PVC Bailer, Whal Pump Sample DO (mV) Vol(gal) DTW Sission After product Thickness: Casing Volume: 5.46 gallons Purging Device: Disposable Bailer, Waller Purging Device: Disposable Bailer, Waller Purging Device: Disposable Bailer Purging Device: Dispo	Well Diameter: 4	Volume/ft. 1" = 0.04 3" = 0.37 6" = 1.47 2" = 0.16 4" = 0.65 radius 0.163
Depth to Water (DTW): /0.60	Total Depth (TD): /9.00	
Water Column Height: 9 M 0 1 Casing Volume: 5.4 b gallons Reference Point: TOC 3 Casing Volumes: 16.3 8 gallons Purging Device: Disposable Bailer, 3" PVC Bailer, Whal Pump Sampling Device: Disposable Railer Time Temp PH Cond (µs) NTU DO(mg/L) ORP (mV) Vol(gal) DTW 3:25 3:30 3:35 4/b 4/b 4/c	Depth to Water (DTW): 10.60	Product Thickness:
Reference Point: TOC 3 Casing Volumes: /6.3 8 gallons Purging Device: Disposable Bailer (3" PVC Bailer, What Pump Sampling Device: Disposable Railer Time Temp® pH Cond (µs) NTU DO(mg/L) ORP (mV) Vol(gal) DTW 3:25 3:35 Comments: Oakton DO moter pro purge DO = 0.22mg/l post purge DO = mg/l post purge DO = mg/l SHINLSO TU-SHINLSO TU-SHINLSO TU-SHINLSO Sample ID: STM J-Y Laboratory: McCampbell Analytical, INC. Sample Date: 7-78-06 Containers/Preservative: Voa/HCl Analyzed for: 8015, 8021 92-60		1 Casing Volume: 5.46 gailons
Sampling Device: Disposable Railer Time Temp® pH Cond (µs) NTU DO(mg/L) ORP (mV) Vol(gal) DTW 3:75 3:75 3:75 Comments: Oakton DO meter pro purge DO = 0.22mg/l post purge DO = mg/l after pargine Ysallens SPH SPHINLSO DTW SU asked to take a samply purse stepped Sample ID: STM J-U Sample Date: 7-78-06 Containers/Preservative: Voa/HCI Amb HCI Analyzed for: 8015, 8021 182-60	Reference Point: TOC	3 Casing Volumes: 16.38 gallons
Time Temp® pH Cond (µs) NTU DO(mg/L) ORP (mV) Vol(gel) DTW 3:75 3:75 Comments: Oakton DO meter pro purge DO = 0.22mg/l post purge DO = mg/l after pursing Usallone SPH SPHIN-SO TH. SU Casked to take a samply purge Stapped Sample ID: STM JU-U Sample Date: 7-78-0 6 Containers/Preservative: Voa/HCI Amb HCJ Analyzed for: 8015, 8021 92-60	Purging Device: Disposable Bailer, 3" F	PVC Bailer, Whai Pump
Comments: Oakton DO meter pro purge DO = 0.22mg/l post purge DO = mg/l After purging Ygallong SPH Asked to take a sample purge Xtopped Sample ID: STM W-4 Sample Date: 7-78-0 G Containers/Preservative: Voa/HCl Analyzed for: 8015, 8021 9260		
Comments: Oakton DO moter pro purgo DO = 0.22mg/l post purge DO = mg/l after pursing Ysallens SPH SPHINSO TW. SN C seked to take a samply purse stepped Sample ID: STM W-4 Sample Time: 3:40 Laboratory: McCampbell Analytical, INC. Sample Date: 7-28-06 Containers/Preservative: Voa/HCI Amb HC/. Analyzed for: 8015, 8021 8260		Annual fragment and the second
Comments: Oakton DO meter pro purge DO = 0.22 mg/l post purge DO = mg/l after pargins 45allone SPH SPHIN.50 Th. 54 Casked to take a sample parge 240 eppel Sample ID: STM W-4 Sample Time: 3:40 Laboratory: McCampbell Analytical, INC. Sample Date: 7-78-0 G Containers/Preservative: Voa/HCI Amb HCJ Analyzed for: 8015, 8021 , 82-60		3.3
Comments: Oakton DO moter pro purge DO = 0.22mg/l post purge DO = mg/l after pursing Ysallong SPH SPHIY.SO OTY.SY C asked to take a sample purse stopped Sample ID: STM W-4 Sample Time: 3:40 Laboratory: McCampbell Analytical, INC. Sample Date: 7-28-06 Containers/Preservative: Voa/HCI Analyzed for: 8015, 8021 18260		16
post purge DO = mg/l after purgine Meallone SPH SPHIM.SO TW. SM Casked to take a samply purge stepped Sample ID: STM W-4 Sample Time: 3:40 Laboratory: McCampbell Analytical, INC. Sample Date: 7-78-06 Containers/Preservative: Voa/HCl Amb HCl Analyzed for: 8015, 8021 18260		
post purge DO = mg/l after purgine Meallone SPH SPHIM.SO TW. SM Casked to take a samply purge stepped Sample ID: STM W-4 Sample Time: 3:40 Laboratory: McCampbell Analytical, INC. Sample Date: 7-78-06 Containers/Preservative: Voa/HCl Amb HCl Analyzed for: 8015, 8021 18260		
post purge DO = mg/l after purgine Meallone SPH SPHIM.SO TW. SM Casked to take a samply purge stepped Sample ID: STM W-4 Sample Time: 3:40 Laboratory: McCampbell Analytical, INC. Sample Date: 7-78-06 Containers/Preservative: Voa/HCl Amb HCl Analyzed for: 8015, 8021 18260		PROTEIN CLASSIC CONTRACTOR OF
post purge DO = mg/l after pursing Yeallong SPH SPHIN.SO TH. SY Containers/Preservative: Voa/HCI Amb HC/ Analyzed for: 8015, 8021 182 60		
post purge DO = mg/l after argine Mgallone SPH SPHIM.SO TW. SM Casked to take a samply purge stepped Sample ID: STM W-4 Sample Time: 3:40 Laboratory: McCampbell Analytical, INC. Sample Date: 7-78-06 Containers/Preservative: Voa/HCI Amb HC/ Analyzed for: 8015, 8021 18260		
post purge DO = mg/l after pursing Yeallong SPH SPHIN.SO TH. SY Containers/Preservative: Voa/HCI Amb HC/ Analyzed for: 8015, 8021 182 60		
post purge DO = mg/l after purgine Meallone SPH SPHIM.SO TW. SM Casked to take a samply purge stepped Sample ID: STM W-4 Sample Time: 3:40 Laboratory: McCampbell Analytical, INC. Sample Date: 7-78-06 Containers/Preservative: Voa/HCl Amb HCl Analyzed for: 8015, 8021 18260		
After purging Ugallone SPH SPHIUSO TUSY Conservative: Voa/HCI Amb AC) Analyzed for: 8015, 8021 , 8260	Comments: Oakton DO meter	pro purge DO = 0.22mg/l
Sample ID: STM W-4 Sample Time: 3:40 Laboratory: McCampbell Analytical, INC. Sample Date: 7-78-06 Containers/Preservative: Voa/HCI Amb HC/ Analyzed for: 8015, 8021 , 82-60		
Sample ID: STM W-4 Sample Time: 3:40 Laboratory: McCampbell Analytical, INC. Sample Date: 7-78-06 Containers/Preservative: Voa/HCI Amb HC/ Analyzed for: 8015, 8021 18260	after purging 4gallong SI a sexed to take a sample, purge sto	PH SPHINISO, 14.54
Laboratory: McCampbell Analytical, INC. Sample Date: 7-78-06 Containers/Preservative: Voa/HCI Amb HC/ Analyzed for: 8015, 8021 18260		
Containers/Preservative: Voa/HCI Amb HC/ Analyzed for: 8015, 8021 , 82 60		0
Analyzed for: 8015, 8021 , 82.60		Amb ACI
Sampler Name: Sanjiv Gill Signature:		Signature:



MONITORING FIELD DAT	A SHEET Well ID: STMN-5							
Project. Task #: 1145.001 208	Project Name: Feiner							
Address: 5175 Broadway	Oakland CA							
Date: 7- 28-06	Weather Cloudy							
Well Diameter: 7 11	Volume/ft. 1" = 0.04 3" = 0.37 6" = 1.47 2" = 0.16 4" = 0.65 radius ² = 0.163							
Total Depth (TD): 23-97	Depth to Product:							
Depth to Water (DTW): 13.35	Product Thickness							
Water Column Height: 10.62	1 Casing Volume: 1.69 gallons							
Reference Point, TOC	3 Casing Volumes 5.09 gallons							
Purging Device Disposable Bailor, 3" PV	C Baller, What Pump							
Sampling Device, Disposable Bailer	1 1							
Time Temp® pH Cond (16) 1:45 15.8 6.98 1496	MILL DO(mg/L) OFF (mv) Value) DIW							
1:45 15.8 6.98 1496	3 5							
1:55 17.5 7.19 1149	5							
Comments: Oakton DO mater	pro purgo DO = 0-24 mg/l							
The state of the s	post purge DO = mg/l							
very turbid silty, odor								
Sample ID STMH-5	Sample Time: Z: OV							
Laboratory: McCampbell Analytical, INC.	Sample Date 7 - 28-06							
Containers/Preservative: Voa/HCI , A								
Analyzed for: 8015, 8021, 8760	. 10							
Sampler Name. Sanjiv Gill	Signature:							

APPENDIX B

Laboratory Analytical Report

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

Pangea Environmental Svcs., Inc.	Client Project ID: #1145.001; Feiner	Date Sampled: 07/28/06
1710 Franklin Street, Ste. 200		Date Received: 07/28/06
Oakland, CA 94612	Client Contact: Bob Clark-Riddel	Date Reported: 08/04/06
	Client P.O.:	Date Completed: 08/04/06

WorkOrder: 0607523

August 04, 2006

Dear Bob:

Enclosed are:

- 1). the results of 4 analyzed samples from your #1145.001; Feiner project,
- 2). a QC report for the above samples
- 3). a copy of the chain of custody, and
- 4). a bill for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits. If you have any questions please contact me. McCampbell Analytical Laboratories strives for excellence in quality, service and cost. Thank you for your business and I look forward to working with you again.

Best regards,

Angela Rydelius, Lab Manager



McCampbell Analytical, Inc.

"When Quality Counts"

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

Pangea Environmental Svcs., Inc.	Client Project ID: #1145.001; Feiner	Date Sampled: 07/28/06
1710 Franklin Street, Ste. 200		Date Received: 07/28/06
Oakland, CA 94612	Client Contact: Bob Clark-Riddel	Date Extracted 08/02/06
Oukland, Cri 74012	Client P.O.:	Date Analyzed: 08/02/06

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE*

extraction met	nod: SW5030B		Analyt	ical methods: SW		Work Order: 0607523				
ab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% S
001A	MW-1	W	250,a		42	1.7	1.4	3.1	1	110
002A	MW-2	W	1300,a		150	9.9	6.0	18	1	116
003A	STMW-4	W	25,000,a,m		960	21	73	130	10	94
004A	STMW-5	W	700,a		22	4.3	1.2	6.6	1	98

Reporting Limit for DF =1; ND means not detected at or	W	50	5.	0 0.5	0.5	0.5	0.5	1 μg/L
above the reporting limit	S	NA	N	A NA				" <g< td=""></g<>

^{*} water and vapor samples and all TCLP & SPLP extracts are reported in ug/L, soil/sludge/solid aqueous liquid samples in mg/L.

Rockridge Heights LLC

Clo Gary FEINER

34 SCHOONER HILL S

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

⁺The following descriptions of the TPH chromatogram are cursory in nature and McCampbell. weakly modified gasoline is significant; b) heavier gasoline range compounds are significant(a) fraction) are significant; d) gasoline range compounds having broad chromatographic peaks are not appear to be derived from gasoline (stoddard solvent / mineral spirit?); f) one to a few isola compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid limit raised due to high MTBE content; k) TPH pattern that does not appear to be derived from non-target isolated peaks subtracted out of the TPH(g) concentration at the client's request; p)



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

Pangea Environmental Svcs., Inc.	Client Project ID: #1145.001; Feiner	Date Sampled: 07/28/06
1710 Franklin Street, Ste. 200		Date Received: 07/28/06
Oakland, CA 94612	Client Contact: Bob Clark-Riddel	Date Extracted 07/28/06
Oakidild, C/1 74012	Client P.O.:	Date Analyzed 08/01/06-08/03/06

Diesel Range (C10-C23) Extractable Hydrocarbons with Silica Gel Clean-Up*

Extraction method: SW35	10C/3630C	Analytical m	ethods: SW8015C	Work Order:	0607523	
Lab ID	Client ID	Matrix	TPH(d)	DF	% SS	
0607523-001C	MW-1	W	86,d	1	109	
0607523-002C	MW-2	w	340,d	1	109	
0607523-003C	STMW-4	w	39,000,n	10	90	
0607523-004C	STMW-5	w	370,n	1	97	
			,			

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

^{*} water samples are reported in μ g/L, wipe samples in μ g/wipe, soil/solid/sludge samples in mg/kg, product/oil/non-aqueous liquid samples in mg/L, and all DISTLC / STLC / SPLP / TCLP extracts are reported in μ g/L.

⁺The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified diesel is significant; b) diesel range compounds are significant; no recognizable pattern; c) aged diesel? is significant); d) gasoline range compounds are significant; e) unknown medium boiling point pattern that does not appear to be derived from diesel; f) one to a few isolated peaks present; g) oil range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; k) kerosene/kerosene range; l) bunker oil; m) fuel oil; n) stoddard solvent/mineral spirit.



[#] cluttered chromatogram resulting in coeluted surrogate and sample peaks, or; surrogate peak is on elevated baseline, or; surrogate has been diminished by dilution of original extract/matrix interference.



McCampbell Analytical, Inc.

"When Quality Counts"

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

Pangea Environmental Svcs., Inc.	Client Project ID: #1145.001; Feiner	Date Sampled: 07/28/06
1710 Franklin Street, Ste. 200		Date Received: 07/28/06
Oakland, CA 94612	Client Contact: Bob Clark-Riddel	Date Extracted 07/31/06-08/01/06
Oakland, CA 94012	Client P.O.:	Date Analyzed: 07/31/06-08/01/06

Oxygenated Volatile Organics + EDB and 1,2-DCA by P&T and GC/MS*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0607523

Extraction Method. 3473030D	741		Work Order, 0007323				
Lab ID	0607523-001B	0607523-002B	0607523-003B	0607523-004B			
Client ID	MW-1	MW-2	STMW-4	STMW-5	Reporting	Limit for	
Matrix	W	W	W	W	DF	=1	
DF	2	1	10	1	S	W	
Compound		ug/kg	μg/L				
tert-Amyl methyl ether (TAME)	ND<1.0	ND	ND<5.0	ND	NA	0.5	
t-Butyl alcohol (TBA)	ND<10	ND	ND<50	ND	NA	5.0	
1,2-Dibromoethane (EDB)	ND<1.0	ND	ND<5.0	ND	NA	0.5	
1,2-Dichloroethane (1,2-DCA)	1.5	ND	ND<5.0	ND	NA	0.5	
Diisopropyl ether (DIPE)	51	3.6	65	ND	NA	0.5	
Ethanol	ND<100	ND	ND<500	ND	NA	50	
Ethyl tert-butyl ether (ETBE)	ND<1.0	ND	ND<5.0	ND	NA	0.5	
Methanol	ND<1000	ND	ND<5000	ND	NA	500	
Methyl-t-butyl ether (MTBE)	ND<1.0	ND	ND<5.0	ND	NA	0.5	
	Surre	ogate Recoveries	5 (%)				
%SS1:	106	97	101	105			
Comments							

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

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted due to high organic content/matrix interference; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight; m) reporting limit raised due to insufficient sample amount; n) results are reported on a dry weight basis; p) see attached narrative.



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

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

1534 Willow Pass Road, Pittsburg, CA 94565-1701 Web: www.mccampbell.com E-mail: main@mccampbell.com

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

QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Water

QC Matrix: Water

WorkOrder: 0607523

EPA Method: SW8021B/8015	SW5030	W5030B BatchID: 22903					Spiked Sample ID: 0607515-102A			
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
7	μg/L	μg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSD
TPH(btex) [£]	ND	60	106	105	1.20	116	110	5.95	70 - 130	70 - 130
MTBE	ND	10	103	101	2.82	87.5	87.8	0.323	70 - 130	70 - 130
Benzene	ND	10	95.5	91.7	4.05	96	97.5	1.58	70 - 130	70 - 130
Toluene	ND	10	92.1	93.3	1.29	95.4	97.9	2.62	70 - 130	70 - 130
Ethylbenzene	ND	10	104	100	3.33	102	105	3.53	70 - 130	70 - 130
Xylenes	ND	30	96	95	1.05	91.3	96	4.98	70 - 130	70 - 130
%SS:	108	10	104	99	4.59	104	102	1.88	70 - 130	70 - 130

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

NONE

BATCH 22903 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0607523-001A	7/28/06 2:30 PM	8/02/06	8/02/06 10:02 AM	0607523-002A	7/28/06 3:15 PM	8/02/06	8/02/06 9:29 AM
0607523-003A	7/28/06 3:40 PM	8/02/06	8/02/06 10:35 AM	0607523-004A	7/28/06 2:00 PM	8/02/06	8/02/06 11:09 AM

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

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

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

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

cluttered chromatogram; sample peak coelutes with surrogate peak.

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

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

QA/QC Officer

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

QC SUMMARY REPORT FOR SW8015C

W.O. Sample Matrix: Water

QC Matrix: Water

WorkOrder: 0607523

EPA Method: SW8015C Extraction: SW3510C/3630C					BatchID: 22834			Spiked Sample ID: N/A		
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance	Criteria (%)
	μg/L	μg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSD
TPH(d)	N/A	1000	N/A	N/A	N/A	108	107	0.626	N/A	70 - 130
%SS:	N/A	2500	N/A	N/A	N/A	103	100	2.93	N/A	70 - 130

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

NONE

BATCH 22834 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0607523-001C	7/28/06 2:30 PM	7/28/06	8/01/06 6:13 AM	0607523-002C	7/28/06 3:15 PM	7/28/06	8/01/06 7:19 AM
0607523-003C	7/28/06 3:40 PM	7/28/06	8/03/06 10:25 PM	0607523-004C	7/28/06 2:00 PM	7/28/06	8/01/06 4:02 AM

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

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

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

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

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



1534 Willow Pass Road, Pittsburg, CA 94565-1701 Web: www.mccampbell.com E-mail: main@mccampbell.com

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

QC SUMMARY REPORT FOR SW8260B

W.O. Sample Matrix: Water

QC Matrix: Water

WorkOrder: 0607523

EPA Method: SW8260B	Extraction: SW5030B				BatchID: 22904			Spiked Sample ID: 0607525-002B		
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance	e Criteria (%)
Analyte	μg/L	μg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSD
tert-Amyl methyl ether (TAME)	ND	10	105	108	2.59	97.7	104	6.58	70 - 130	70 - 130
t-Butyl alcohol (TBA)	ND	50	87.9	89.2	1.47	82	87.7	6.68	70 - 130	70 - 130
1,2-Dibromoethane (EDB)	ND	10	96.5	99.2	2.81	90.4	97.7	7.83	70 - 130	70 - 130
1,2-Dichloroethane (1,2-DCA)	ND	10	118	124	5.03	109	116	6.16	70 - 130	70 - 130
Diisopropyl ether (DIPE)	ND	10	125	127	1.61	115	119	2.72	70 - 130	70 - 130
Ethanol	ND	500	112	113	0.493	96.4	117	19.3	70 - 130	70 - 130
Ethyl tert-butyl ether (ETBE)	ND	10	111	115	3.90	103	110	7.13	70 - 130	70 - 130
Methanol	ND	2500	101	103	1.57	97.3	106	8.47	70 - 130	70 - 130
Methyl-t-butyl ether (MTBE)	ND	10	109	118	8.46	100	109	8.87	70 - 130	70 - 130
%SS1:	97	10	98	100	2.28	96	96	0	70 - 130	70 - 130

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

NONE

BATCH 22904 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0607523-001B	7/28/06 2:30 PM	8/01/06	8/01/06 12:25 PM	0607523-002B	7/28/06 3:15 PM	8/01/06	8/01/06 1:11 PM
0607523-003B	7/28/06 3:40 PM	7/31/06	7/31/06 8:43 PM	0607523-004B	7/28/06 2:00 PM	8/01/06	8/01/06 1:58 PM

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

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

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

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

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

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

DHS ELAP Certification No 1644

QA/QC Officer

McCAMPBELL ANALYTICAL, INC. CHAIN OF CESTODY RECORD 110 2ed AVENUE SOUTH, #D7 TURN AROUND TIME PACHECO, CA 94553-5560 72 YFR 5 DAY 48 1113 Website: Email: main@mccampbell.com LDI Required Telephone: (925) 798-1620 Fax: (925) 798-1622 Report To: Bob Clark-Riddel Bill To: Pangea Environmental 36 Aux 5 Feque: 1) [] [[] [] TERRITOR TITLE Company: Pangen Environmental Services Inc. The gar 1710 Franklin Street Sutie 200 M Samueles for 0 Oakland, CA 94612 E-Mail: bcr@pangeaenv.com Watst. Tele: 510-836-3702 Fax: 510-836-3709 mally to Project Name: Feiner Project #: 1145.00 VERITAL Project Location: 5175 Broadway Oakland, CA Sampler Signature: Muskan Environmental Sampling METHOD SAMPLING Type Containers MATRIX PRESERVED SAMPLE ID LOCATION (Field Point Name) Date Time 2:30 MH-1 7-28-06 Amb MW-2 3:15 3:40 2:00 Date: 1/28/66 Relinquished By Times Reretzer 523 ICE/th_ GOOD CONDITION HEAD SPACE ABSENT. Relinguished By: Date: Time: Received By: CONTAINERS DECHLORINATED IN LAB. PRESERVED IN LAB YOAS | - OAG | METALS | OTHER PRESERVATION