

## CALIF CONTRACTOR # 513857 A CORPORATION REGISTERED GEOLOGISTS

1386 EAST BEAMER STREET WOODLAND, CA 95776-6003 FAX (916) 662-0273 (916) 668-5300 530 (New Area Code 530)

October 23, 1998

Mr. John Rutherford Desert Petroleum P.O. Box 1601 Oxnard, California 93032 (805) 644-6784 FAX (805) 654-0720

Dear Mr. Rutherford:

The following report documents the Third Quarter 1998 collection and certified laboratory analysis of groundwater samples from five monitoring wells and three water recovery wells associated with former Desert Petroleum Station #793.

### 1.0 SITE LOCATION AND DESCRIPTION

Former Desert Petroleum #793 is a non-active service station, located on the northwest corner of the intersection of Park Blvd. and Hampel Street at 4035 Park Blvd., Oakland, California (Figure 1). The site is located in projected section 32; T1S; R3W; MDB&M at an approximate elevation of 210 feet above mean sea level (Figure 2).

#### 2.0 LOCAL GEOLOGY

### 2.1 Geomorphology

The site is located on the western slope of the Berkeley Hills. The Berkeley Hills are a northwest-southeast trending range within the Coastal Range Province of California. Erosion of the Coastal Ranges has filled the valleys within and bordering the Coastal Range with sequences of gravels, silts, sands, and clays.

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#### 2.2 Stratigraphy

The native soil from surface to 13 feet below ground surface (BGS) consists of dark brown silty clay. The dark brown clay is underlain by light brown stiff clay that includes subrounded to rounded metavolcanic gravel. This clay extends to approximately 23 feet BGS at the northwest corner of the site. A fine to medium sand, clayey sand, and silty sand underlies the gravel and clay.

# 3.0 COLLECTION AND ANALYSIS OF GROUNDWATER SAMPLES, September 16, 1998.

WEGE and LTT (Lawrence Tank Testing) personnel could not conduct the 2<sup>nd</sup> Quarter Groundwater sampling of the site. A new fence was placed around the site making entry impossible without removing portions of the fence. After phone conversations with Desert Petroleum and Mr. Toni Razzi (new owner of the site) it was determined that neither Desert nor Mr. Razzi had any involvement with the placement of the new fence and a WEGE sample crew was allowed to temporarily dismantle a portion of the fence to gain access to the onsite wells. A WEGE technician removed a portion of the new fence and constructed a gate for entry by vehicles, on September 16, 1998. The 3<sup>rd</sup> Quarter Groundwater sampling occurred that day. Water samples were collected from monitor wells MW1, RS-2, RS-5, and RS-6 located on-site and RS-7 located in the center of Brighton Avenue to the northeast of the site (Figure 3). Water samples were also collected from the three on-site water recovery wells (R1, R2 and R3), see Table 1. Appendix A contains QA/QC, details, methods, procedures, abbreviations, and acronyms used in sampling and analysis.

#### 3.1 Depth to Water Measurements

Depth to water was measured at all monitor wells and the three on-site water recovery wells. The depth to water measurements were made using a product/water interface probe. Measurements are referenced to surveyed elevation at the top of casing at each well. Table 1 shows the elevation of groundwater with respect to mean sea level for all monitor wells through September 16, 1998.

### 3.2 Purging of Monitor Wells

Lawrence Tank Testing using a truck mounted vacuum lift pump and one-inch diameter PVC tubing purged the monitor wells of three volumes of water. The specific volume of water removed from each well is recorded on the well sampling data sheets (Appendix B).

#### 3.3 Collection and Certified Analysis of Groundwater Samples

After purging, the wells were allowed to recover to at least 80% of their original well volumes. A groundwater sample was then collected from each well with a disposable polyethylene bailer and decanted, with no headspace, into two 40 ml VOA vials containing 0.5 ml HCL acid as a preservative. North State Environmental Laboratories analyzed all water samples for concentrations of TPH-G, BTEX, and MTBE using EPA methods 5030/8015M/8020 (Appendix C). Method 8020 presence of MTBE was verified with EPA Method 8260, which showed no MTBE is associated with the site. All water samples were also analyzed for the Fuel Oxygenants using EPA Method 8260. All wells tested below laboratory lower detection limits.

Fuel Oxygenants	Laboratory Lower Detection Limits
Ethanol Methyl-t-Butyl Ether (MTBE) Di Isopropyl Ether (DIPE) Tertiary Butyl Alcohol (TBA) Ethyl t Butyl Ether (ETBE) t-Amyl Methyl Ether (TAME)	500 ug/L 1 ug/L 5 ug/L 5 ug/L 5 ug/L 1 ug/L

#### 3.4 Disposition of Waste Water

The wastewater generated from the purging of the monitor wells during sampling was contained on-site in labeled 55 gallon DOT approved drums. The drummed wastewater was removed from the site and transported to a recycling facility, by Evergreen Environmental Services on October 13, 1998, see Appendix D.

### 4.0 RESULTS OF QUARTERLY GROUNDWATER MONITORING

#### 4.1 Groundwater Gradient and Flow Direction

Figure 4 shows the groundwater elevation gradients and flow direction that were derived from the depth to water measurements of the on-site monitor wells on September 16, 1998. The groundwater elevation has dropped between 1 1/2 and 3 1/2 feet in the monitor wells on the site since the previous quarterly monitoring round on July 8, 1998. (Table 1).

The current flow direction is west and northwest. The hydraulic gradient averages 0.04 feet/linear foot downgradient from the overexcavated area at the site (Figure 4). The current flow direction and hydraulic gradient are consistent with previous determinations by WEGE.

### 4.2 Results of Certified Analysis of Groundwater Samples

The results of the certified analyses of groundwater samples collected on September 16, 1998 are shown in Table 1 and Figure 3. Copies of the laboratory reports are included as Appendix C of this report.

TPH-G concentrations in water samples from the five monitor wells and three recovery wells ranged from a maximum of 49,000 ug/l at monitor wells RS-5 to less than laboratory detection limits (50 ug/l) in wells MW1, RS-2 and R-3. Benzene concentrations ranged from a maximum of 11,000 ug/l in well R-2 to less than laboratory detection limits (0.5 ug/l) in wells MW1, RS-2, and R-3.

Analysis for the five Oxygenants; Methyl-t-Butyl Ether (MTBE), Di-isopropyl Ether (DIPE), tertiary Butyl Alcohol (TBA), Ethyl-t-Butyl Ether (ETBE) and t-Amyl Methyl Ether (TAME) was confirmed with EPA Method 8260. These analytes were below laboratory lower detection limits Figure 3 shows the areal distribution of the hydrocarbon plume in groundwater as determined from groundwater samples collected from the monitor wells on non certified results from the Soil Probe Surveys.

#### 5.0 LIMITATIONS

This report is based upon the following:

- A. The observations of field personnel.
- B. The results of laboratory analyses performed by a state certified laboratory.
- C. Referenced documents.
- D. Our understanding of the regulations of the State of California, Alameda County and the City of Oakland.
- E. Changes in groundwater conditions can occur due to variations in rainfall, temperature, local and regional water use, and local construction practices.
- F. In addition, variations in the soil and groundwater conditions could exist beyond the points explored in this investigation.

State Certified Laboratory analytical results are included in this report. This laboratory follows EPA and State of California approved procedures; however, WEGE is not responsible for errors in these laboratory results. Western Geo-Engineers is a corporation under California Registered Geologist #3037 and/or Contractors License #513857. The services performed by Western Geo-Engineers have been conducted in a manner consistent with the level of care and skill ordinarily exercised by members of our profession currently practicing under similar conditions in the State of California and the Oakland area. Our work and/or supervision of remediation and/or abatement operations, active or preliminary, at this site is in no way meant to imply that we are owners or operators of this site. Known or suspected contamination of soil and/or groundwater must be reported to the appropriate agencies in a timely manner. No other warranty, expressed or implied, is made.

Sincerely,

George Converse

Geologist

Jack E. Napper

No. 2

No. 30 37

Ca. Reg. Geologist #3037

cc: Mr. Tom Peacock, Alameda County Health (510) 567-6774 Mr. Leroy Griffin, Oakland Fire Dept.

TABLE 1
GROUNDWATER ELEVATIONS AND CERTIFIED ANALYTICAL LABAORATAORY RESULTS FROM WATER SAMPLES
DESERT PETROLEUM, INC. SITE #793
4035 PARK BOULEVARD, OAKLAND, CALIFORNIA

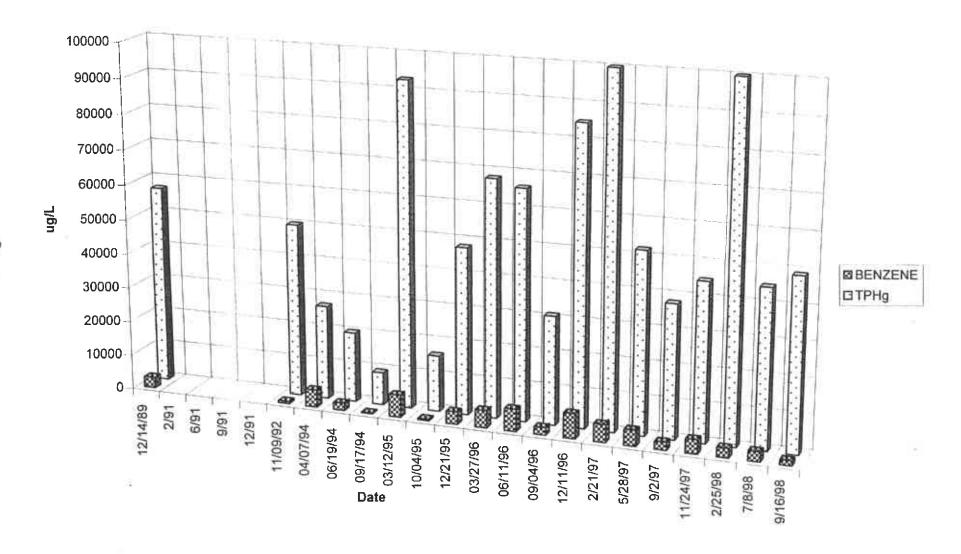
		,			bi.	llion (ug/L	ppb])				
		(AMSL ≖ Abo									
ID#	DATE	WELL	DEPTH TO	GROUND	- 1	TPH-G	BENZENE	TOLUENE	ETHYL-	XYLENES	MTBE
	SAMPLED	CASING	GROUND	WATER					BENZENE		
	1 1	ELEVATION	WATER	ELEVATION	ш		1				
		(FEET AMSL)	(FEET)	(FEET AMSL)	Н	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)
RS-1	12/14/89	240	24.25	215.75	$\Box$	19000	2600	2700	200	1200	
RS-1	12/90					15000	3500	330	170	760	
RS-1	2/91					6900	910	200	39	540	
RS-1	6/91					1600	56	180.000	12	26	
RS-1	9/91					4100	730	7 . 6	5.1	24	
RS-1	12/91					8300	950	160	71	190	
RS-1	11/09/92	100.18	17.05	83.13		1700	730	9 6	16	14	
RS-1	04/07/94	100.18	13	87 18		860	84	12	16	110	
RS-1	06/19/94	228 15	13.37	214,78		1400	150	12	52	87	
RS-1	09/17/94	228.15	16.33	211.82		310	30	1_8	2.8	3.9	
R\$-1	03/12/95	228.15	4 66	223 49		ND	ND	ND	ND	ND	
					UST	-DISPENSER A	REAS ( 0/1	4/95			
		REPLACED WI	TH MW-1 9,	/5/95	Н						
MW - 1	10/04/95	232 57	12.38	220.19		ND	ND	ND	ND	ND	
MW - 1	12/21/95	232.57	13.40	219.17		< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.
MW-1	03/27/96	232.57	5.53	227.04	•.	< 50	< 0.5	< 0.5	< 0.5	< 2	< 5
MW-1	06/11/96	232.57	9.02	223.55		< 50	< 0.5	< 0.5	< 0.5	< 2	< 5
MW-1	09/04/96	232 57	11.84	220.73		< 50	< 0.5	< 0.5	< 0.5	< 2	<
MW-1	12/11/96	232.57	12.98	219.59		< 50	< 0.5	0.9	< 0.5	< 1	< 0
MW - 1	2/21/97	232.57	9.50	223 07		< 50	< 0.5	0.9	< 0.5	< 1	< 0.5
MW-1	5/28/97	232,57	11,18	221 39		< 50	3	3	< 0.5	< 1	< 0.5
MW-1	9/2/97	232,57	13.00			< 50	5	< 0.5	< 0.5	< 1	< 0 - 5
MW-1	11/24/97	232.57			-	< 50	5	< 0.5	< 0.5	< 1	< 0.5
MW-1	2/25/98	232.57			-	< 50	< 0.5	< 0.5	< 0.5	< 1	< 0.5
MW - 1	7/8/98	232.57				< 50	< 0.5	< 0.5	< 0.5	< 1	< 1
MW-1	9/16/98	232.57	10.96	221.61		< 50	< 0.5	< 0.5	< 0.5	< 1	< 1
					$\vdash$						
		1			-						

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		(All concen	trations i	n parts per	bi	llion (ug/L,	ppb])				
		$(AMSL = \lambda bo$	ve mean se	a_level)							
ID#	DATE	MELL	DEPTH TO	GROUND		TPH-G	BENZENE	TOLUENE	ETHYL-	XYLENES	MTBE
	SAMPLED	CASING	GROUND	WATER					BENZENE		
		ELEVATION	WATER	ELEVATION						1	
		(FEET AMSL)	(FEET)	(FEET AMSL)		(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)
RS-2	06/19/94	227 19	10.89	216_3	-	140	9.2	34	4.3	24_0	
RS-2	03/12/95	227.19	5.26	221.93		ND	ND	ND	ND	ND	
RS-2	10/04/95	230.43	15.05	215.38		ND	ND	ND	ND	ND	
RS-2	12/21/95	230 43	9.95	220,48		< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
RS-2	03/27/96	230.43	6.28	224.15		< 50	< 0.5	< 0.5	< 0.5	< 2	< 50
RS-2	06/11/96	230.43	8.00	222,43		< 50	1.2	2.8	< 0.5	< 2	< 50
RS-2	09/04/96	230.43	9.89	220.54		< 50	< 0.5	< 0.5	< 0.5	< 2	< 5
RS-2	12/11/96	230.43	8 38	222,05		< 50	< 0.5	< 0.5	< 0.5	< 1	6
RS-2	2/21/97	230.43	6.96	223.47		< 50	< 0.5	< 0.5	< 0.5	< 1	< 0.5*
RS-2	5/28/97	230 43	10.02	220 41		< 50	3	3	< 0.5	< 1	< 0.5*
RS-2	9/2/97	230 43	11.46	218.97		< 50	< 0.5	< 0.5	< 0.5	< 1	< 0.5*
RS-2	11/24/97	230 43	10.43	220		< 50	< 0.5	1	< 0.5	3	< 0.5*
RS-2	2/25/98	230 43	3.57	226.86		< 50	< 0.5	< 0.5	< 0.5	< 1	< 0.5*
RS-2	7/8/98	230 43	8 83	221 6		< 50	< 0.5	< 0.5	< 0.5	< 1	< 1*
RS-2	9/16/98	230-43	10.60	219.83		< 50	< 0.5	< 0.5	< 0.5	< 1	< 1*

TABLE 1
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4035 PARK BOULEVARD, OAKLAND, CALIFORNIA

		(All concen	trations i	n parts per	bil	lion [ug/L	ppb])				
		(AMSL = Abo	ve mean se	ea level)							
ID∦	DATE SAMPLED	WELL CASING ELEVATION (FEET AMSL)	DEPTH TO GROUND WATER (FEET)	GROUND WATER ELEVATION (FEET AMSL)		TPH-G (UG/L)	BENZENE (UG/L)	TOLUENE (UG/L)	ETHYL- BENZENE (UG/L)	(UG/L)	MTBE
RS-5	12/14/89	241.26	25_97	215.29	+	57000	3100	4300	670	3400	
RS-5	2/91		FLC	ATING PRODUC	37						
RS-5	6/91		FLC	ATING PRODUC	31						
RS-5	9/91		FLO	DATING PRODUC	CT						
RS-5	12/91		FLC	DATING PRODUC	21	· ·					
RS-5	11/09/92	98.99	20.73	78.26	$\top$	50000	650	4800	1100	15000	
RS-5	04/07/94	98 99	18 16	80.83		27000	5000	8700	550	2800	
RS-5	06/19/94	227.65	18 11	209.54		20000	2100	5300	470	2500	
RS-5	09/17/94	227.65	19 63	208.02		9300	230	340	110	700	
RS-5	03/12/95	227.65	14 54	213.11		93000	6400	2000	19000	10000	
RS-5	10/04/95	230 64	17.53	213.11		16000	420	2100	320	1800	
RS-5	12/21/95	230.64	17.47	213-17		48000	3500	9200	840	4800	56
RS-5	03/27/96	230 64	13.51	217 13		68000	4900	18000	1700	11000	< 3000
RS-5	06/11/96	230.64	14.25	216.39		66000	6300	20000	2100	12000	< 3000
RS-5	09/04/96	230.64	16.50	214 14		31000	2100	11000	1100	6800	400
RS-5	12/11/96	230 64	15 88	214.76		85000	7000	21000	1800	8900	570
RS-5	2/21/97	230.64	13.76	216 88	sh	100000	5000	22000	1700	7300	<0.5
RS-5	5/28/97	230,64	15.77	214.87		52000	4500	19000	2100	10000	<0.5*
RS-5	9/2/97	230.64	17.47	213.17	$\perp$	38000	2200	9400	1300	5800	<0.5
RS-5	11/24/97	230.64	18.67	211.97		45000	4000	16000	1900	9700	<0.5
RS-5	2/25/98	230.64	10.53	220.11		160000	2700	31000	5300	28000	<0.5
RS-5	7/8/98	230,64	13.75	216.89		45000	2800	12000	2000	8500	<10*
RS-5	9/16/98	230.64	15-80	214.84		49000	1400	7500	1700	8600	<5 <sup>4</sup>



Q.

#### **RS-5 Groundwater Elevation**

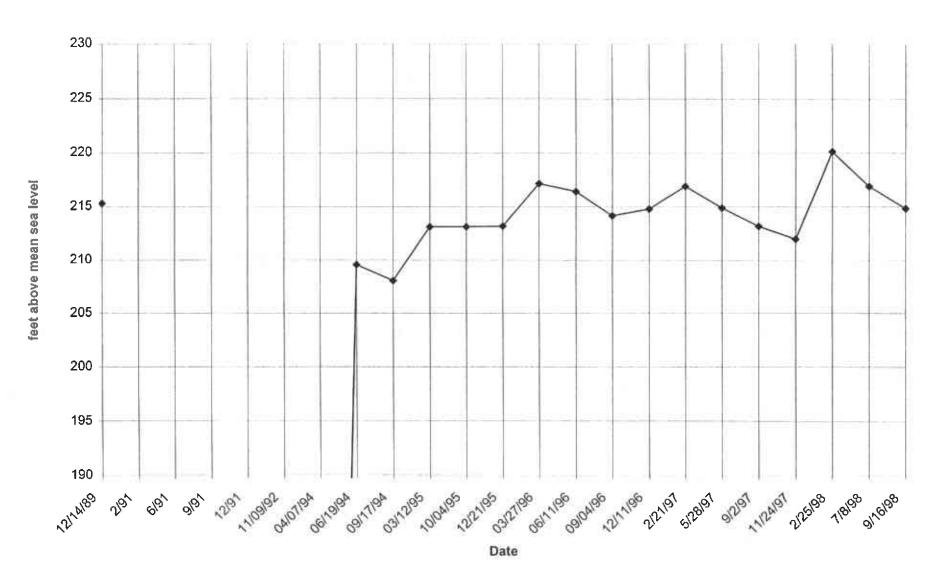
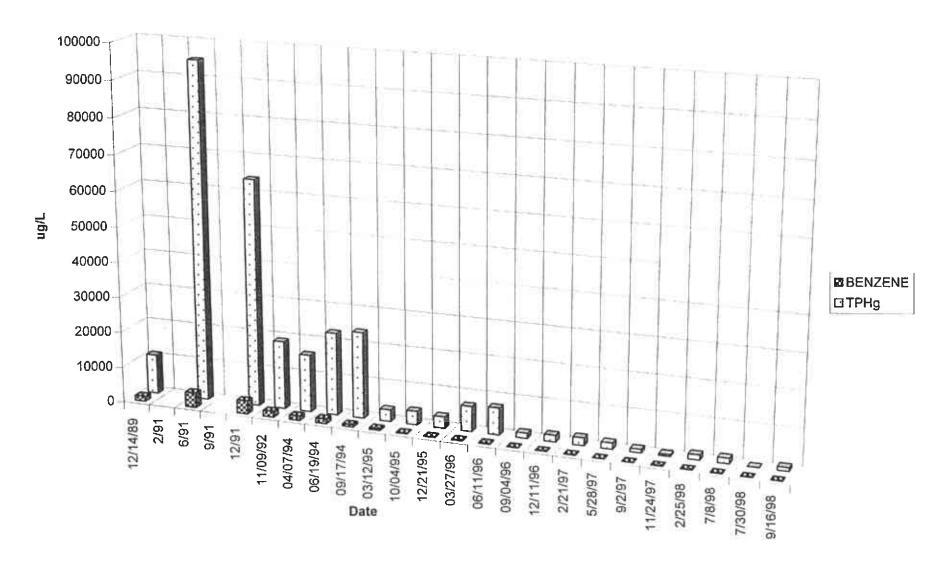


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DESERT PETROLEUM, INC. SITE #793
4035 PARK BOULEVARD, OAKLAND, CALIFORNIA

		(All concen	trations i	n parts per l	oillion [ug/L,	ppb])				
		(AMSL = Abo	ve mean se	ea level)						
ID#	DATE SAMPLED	CASING	DEPTH TO GROUND	GROUND WATER	TPH-G	BENZENE	TOLUENE	ETHYL- BENZENE	XYLENES	MTBE
		ELEVATION (FEET AMSL)	WATER (FEET)	ELEVATION (FEET AMSL)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)
RS-6	12/14/89	240-23	22.52	217.71	11000	1400	1700	160	860	
RS-6	2/91		FL	DATING PRODUC	T					
RS-6	6/91				95000	4200	4200	650	3700	
RS-6	9/91		FL	DATING PRODUC	T					
RS-6	12/91				64000	3700	2300	730	4100	
RS-6	11/09/92	99.27	19.43	79.84	19000	1600	710	500	1600	
RS-6	04/07/94	99.27	14 42	84.85	16000	1200	1300	290	1100	
RS-6	06/19/94	227.22	14.45	212.77	23000	1300	2200	590	2200	
RS-6	09/17/94	227.22	19 52	207 7	24000	630	790	250	1100	
RS-6	03/12/95	227.22	0.90	218.32	3200	450	13	82	230	
RS-6	10/04/95	230.22	17.78	212.44	3700	170	250	30	290	
RS-6	12/21/95	230.22	14.98	215.24	3100	120	30	16	150	58
RS-6	03/27/96	230,22	10.00	220.22	6900	180	440	79	360	< 300
RS-6	06/11/96	230.22	12.00	218.22	7400	220	150	30	100	<1000
RS-6	09/04/96	230 22	15.00	215 22	1400	6 B	2.6	7.7	9.2	14
RS-6	12/11/96	230,22	12.36	217 86	1800	39	16	10	18	< 0.5
RS-6	2/21/97	230,22	10.00	220.22	2100	71	85	25	40	< 0.51
RS-6	5/28/97	230 22	13.56	216.66	1700	34	12	11	16	< 0.54
RS-6	9/2/97	230.22	16.35	213.87	940	34	71	9	55	< 0.5
RS-6	11/24/97	230.22	15.72	214.5	490	9	6	1	7	< 0 5+
RS-6	2/25/98	230.22	6.26	223.96	1400	22	47	5	52	< 0.5
RS-6**	7/8/98	230.22	11.41	218 81	1500	83	9	84	2	<10
RS-6	7/30/98	230.22			<50	<0.5	<0.5	<0.5	<1	
RS-6	9/16/98	230,22	13.42	216.8	990	23	<0.5	<0.5	<1	<1*



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#### **RS-6 Groundwater Elevation**

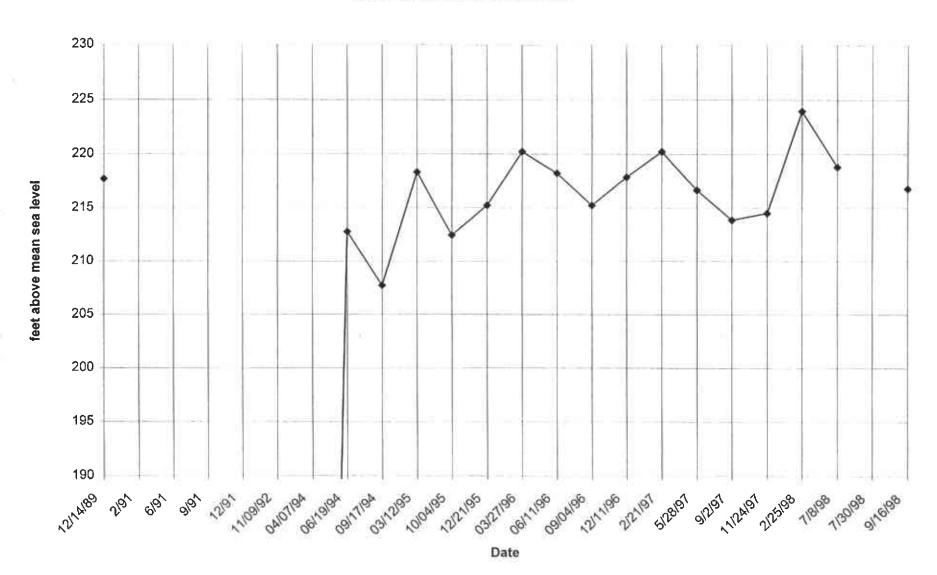
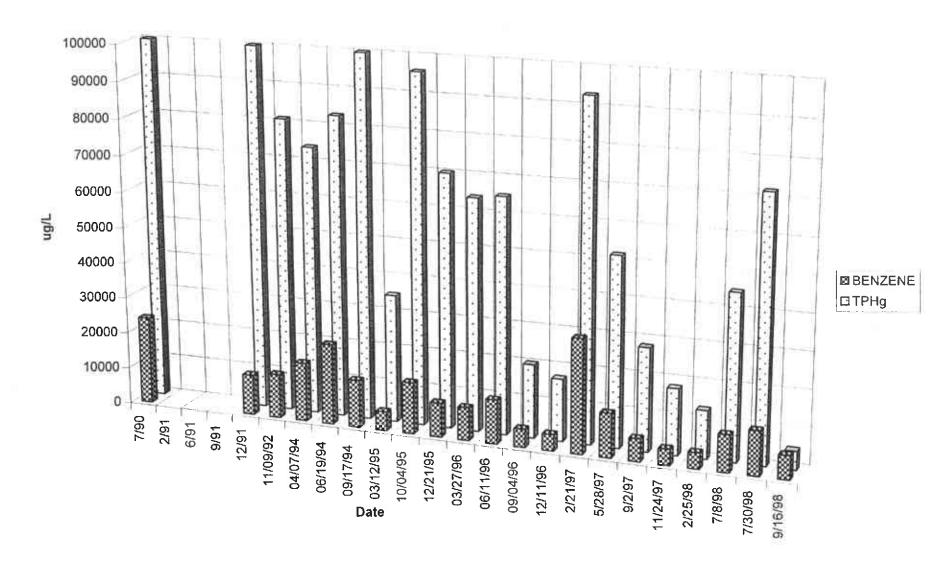


TABLE 1
GROUNDWATER ELEVATIONS AND CERTIFIED ANALYTICAL LABAORATAORY RESULTS FROM WATER SAMPLES
DESERT PETROLEUM, INC. SITE #793
4035 PARK BOULEVARD, OAKLAND, CALIFORNIA

				n parts per bi	llion [ug/L,	ppb])				
		(AMSL = Abo	ve mean se	ea level)						
ID#	DATE SAMPLED	WELL CASING ELEVATION (FEET AMSL)	DEPTH TO GROUND WATER (FEET)	GROUND WATER ELEVATION (FEET AMSL)	TPH-G (UG/L)	BENZENE (UG/L)	TOLUENE	ETHYL- BENZENE (UG/L)	XYLENES (UG/L)	MTBE
RS-7	7/90				5.500000	24552		50000		
RS-7	2/91		77.	DATING PRODUCT	5600000	24000	210000	50000	740000	
RS-7	6/91									
RS-7	9/91			DATING PRODUCT				_		
RS-7	12/91		FL	JATING PRODUCT	270000	22000	22000	2000	12000	
RS - 7	11/09/92	67 88	4.62	63.26	81000	11000 12000	22000	2000	13000	
RS-7	04/07/94	67 88	4.03	63.85	74000		16000	1900	13000	
RS-7	06/19/94	195 92	4.03	191.85	83000	16000 22000	16000	1400	8500	
RS-7	09/17/94	195 92	4.05	191.87	270000	13000	19000	1500	9500	
RS-7	03/12/95	195 92	3.72	192.2	35000	5100	15000 560	2100	1100	
RS-7	10/04/95	199 35	4.03	195.32	96000	14000	14000	6300 1300	3600 7000	
RS-7	12/21/95	199.35	3.95	195.4	70000	9300	12000	860	5600	210
RS-7	03/27/96	199.35	3.80	195.55	64000	8900	14000	1100	8300	< 3000
RS-7	06/11/96	199.35	3.79	195.56	65000	12000	17000	1600	9700	<5000
RS-7	09/04/96	199.35	3.99	195.36	20000	4900	2100	670	4400	100
RS-7	12/11/96	199.35	3.7B	195.57	17000	4400	7500	570	4600	181
RS-7	2/21/97	199.35	3.82	195.53	93000	31000	47000	3800	23000	<0.5
RS-7	5/28/97	199.35	3.82	195-53	52000	12000	8200	2000	11000	<0.5
RS-7	9/2/97	199 35	3.96	195.39	28000	6100	2800	950	3800	<51
RS-7	11/24/97	199.35	3.76	195.59	18000	4300	5900	600	2900	<0.5
RS-7	2/25/98	199.35	3.70	195.65	13000	4300	7100	1100	5800	<0.5
RS-7**	7/8/98	199.35	3.76	195.59	45000	10000	3400	2000	8000	<101
RS-7	7/30/98	199.35			72000	12000	2100	2000	9100	110
RS-7	9/16/98	199.35	3 83	195.52	5000	<b>■</b> 、 6500	160	<2.5	500	<51



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#### **RS-7 Groundwater Elevation**

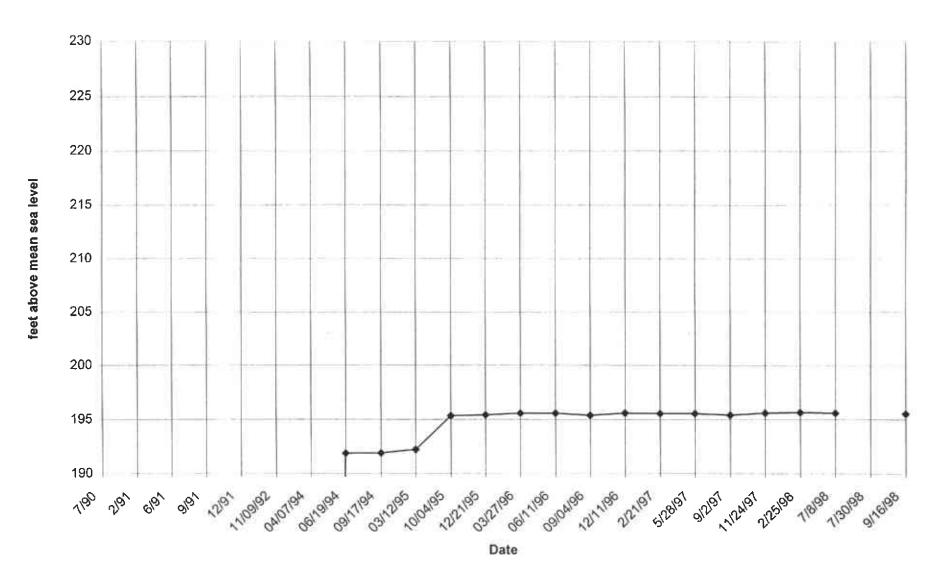


TABLE 1
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DESERT PETROLEUM, INC. SITE #793
4035 PARK BOULEVARD, OAKLAND, CALIFORNIA

				- •	bi:	llion [ug/L,	bbp])				
		(AMSL = Abo	ve mean se	a level)	0						
ID#	DATE	WELL	DEPTH TO	GROUND		TPH-G	BENZENE	TOLUENE	ETHYL-	XYLENES	MTBE
	SAMPLED	CASING	GROUND	WATER					BENZENE		
		ELEVATION	WATER	ELEVATION							
		(FEET AMSL)	(FEET)	(FEET AMSL)		(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)
RECOVERY 1	09/04/96	230.73	15.00	215.73	$\dashv$	1800	1100	3	29	< 10	< 30
RECOVERY 1	12/11/96	230.73	10.30	220.43	$\vdash$	<50	<0.5	< 0.5	< 0.5	< 1	- 1
RECOVERY 1	2/21/97	230.73	11.88	218.85	$\vdash$	2500	670	9	3	13	<0.5*
RECOVERY 1	5/28/97	230.73	14.03	216 7	+	24000	4300	36	2000	370	<0.5
RECOVERY 1	9/2/97	230.73	14.98	215.75	$\vdash$	4400	320	6	340	72	20
RECOVERY 1	11/24/97	230.73	14 06	216.67	$\vdash$	100	39	1	18	10	<0.5
RECOVERY 1	2/25/98	230.73	8.93	221.8		1200	400	8	13	150	<0.5
RECOVERY 1	7/8/98	230.73	11.36	219.37	$\vdash$	68	14	< 0.5	< 0.5	< 1	<14
RECOVERY 1	9/16/98	230.73	13.30	217.43		16000	3400		< 0.5	410	<1*
RECOVERY 2	09/04/96	230.68	13.44	217.24		14000	7600	<10	170	190	<100
RECOVERY 2	12/11/96	230.68	12.42	218.26		488	300	1	< 0.5	30	16
RECOVERY 2	2/21/97	230 68	10.50	220.18		5700	2100	5	2	10	3*
RECOVERY 2	5/28/97	230 68	13.10	217.58		36000	14000	63	260	220	<0.5*
RECOVERY 2	9/2/97	230.68	14.16	216.52		30000	12000	330	1000	790	47
RECOVERY 2	11/24/97	230.60	14.71	215 97		41000	15000	830	1500	4200	<0.5*
RECOVERY 2	2/25/98	230.68	7.39	223 29		B00	400	<0.5	<0.5	15	<0.5*
RECOVERY 2	7/8/98	230.68	11.27	219 41		290	31	< 0.5	1	< 1	2*
RECOVERY 2	9/16/98	230.68	13.73	216 95		6600	11000	24	<0.5	35	<1*

TABLE 1
GROUNDWATER ELEVATIONS AND CERTIFIED ANALYTICAL LABAORATAORY RESULTS FROM WATER SAMPLES
DESERT PETROLEUM, INC. SITE #793
4035 PARK BOULEVARD, OAKLAND, CALIFORNIA

			•			bi	llion [ug/L,	ppb])				
			(AMSL = Abo	ve mean se	a level}							
ID#		DATE	WELL	DEPTH TO	GROUND		TPH-G	BENZENE	TOLUENE	ETHYL-	XYLENES	MTBE
		SAMPLED	CASING	GROUND	WATER					BENZENE		
		1	ELEVATION	WATER	ELEVATION	ш			1	0 11	1 1	
			(FEET AMSL)	(FEET)	(FEET AMSL)		(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)	(UG/L)
RECOVERY	3	09/04/96	230.32	9.90	220.42		<50	<0.5	<0_5	<0.5	<2	<5
RECOVERY	3	12/11/96	230 32	8.18	222.14		<50	<0.5	<0.5	<0.5	<1	5
RECOVERY	3	2/21/97	230.32	6.76	223.56		340	35	59	8	54	<0.5*
RECOVERY	3	5/28/97	230+32	9.98	220.34		<50	<0.5	<0.5	<0.5	<1	<0.5*
RECOVERY	3	9/2/97	230.32	10.86	219.46		<50	4	<0.5	<0.5	<1	<0.5*
RECOVERY	3	11/24/97	230 32	11.20	219.12	no	t enough wate	r to samp	le. No sam	ple		
RECOVERY	3	2/25/98	230 32	3.42	226 + 9		<50	<0.5	<0.5	<0.5	<1	<0.5*
RECOVERY	3	7/8/98	230 32	8.78	221 54		140	<0.5	<0.5	4	24	<1*
RECOVERY	3	9/16/98	230 32	10.38	219,94		<50	<0.5	<0.5	<0.5	<1	<1*

ND

BELOW LABORATORY DETECTION LIMITS

TPH-G

TOTAL PETROLEUM HYDROCARBONS AS GASOLINE

MTBE results confirmed by EPA Method 8260 (GC/MS)

\*\* LAB REPORT HAD RS-6 AND RS-7 MISLABELED, RESAMPLE ON 7/30/98 CONFIRMED.

DESERT STATION #793 4035 Park Blvd. Oakland, California

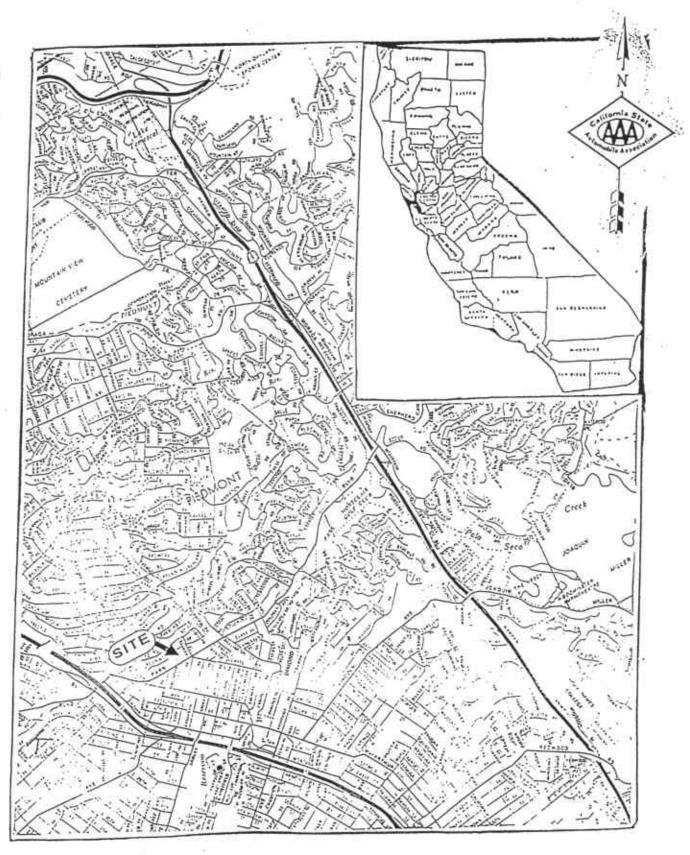


FIGURE 1

Location (AAA Hap)



DESERT STATION #793 4035 Park Blvd. Oakland, California

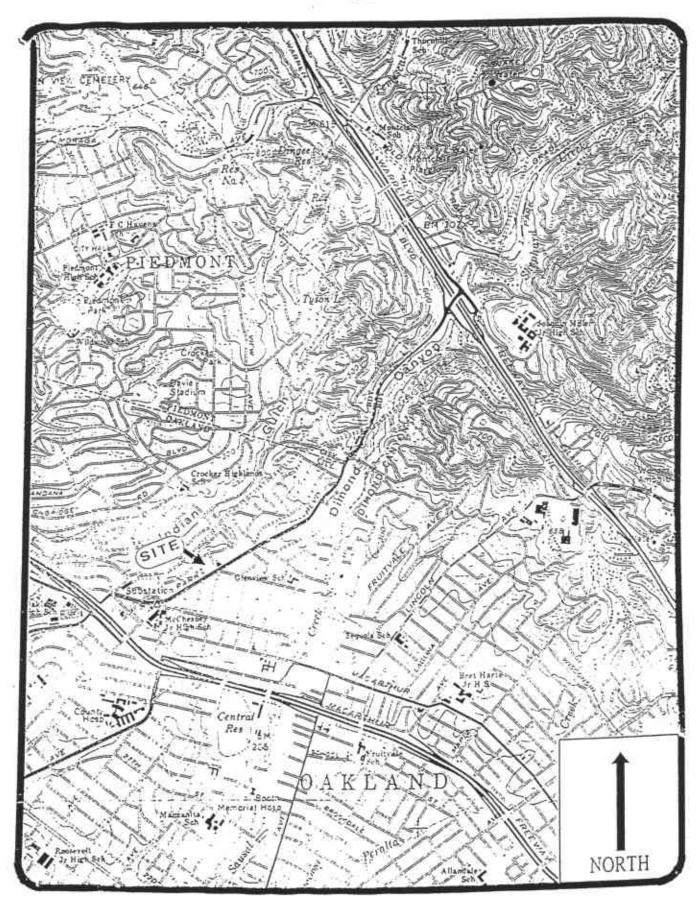


FIGURE 2, USGS TOPOGRAPHIC MAP 20

#### **UNDERGROUND UTILITIES**

G NATURALGAS UTILITY

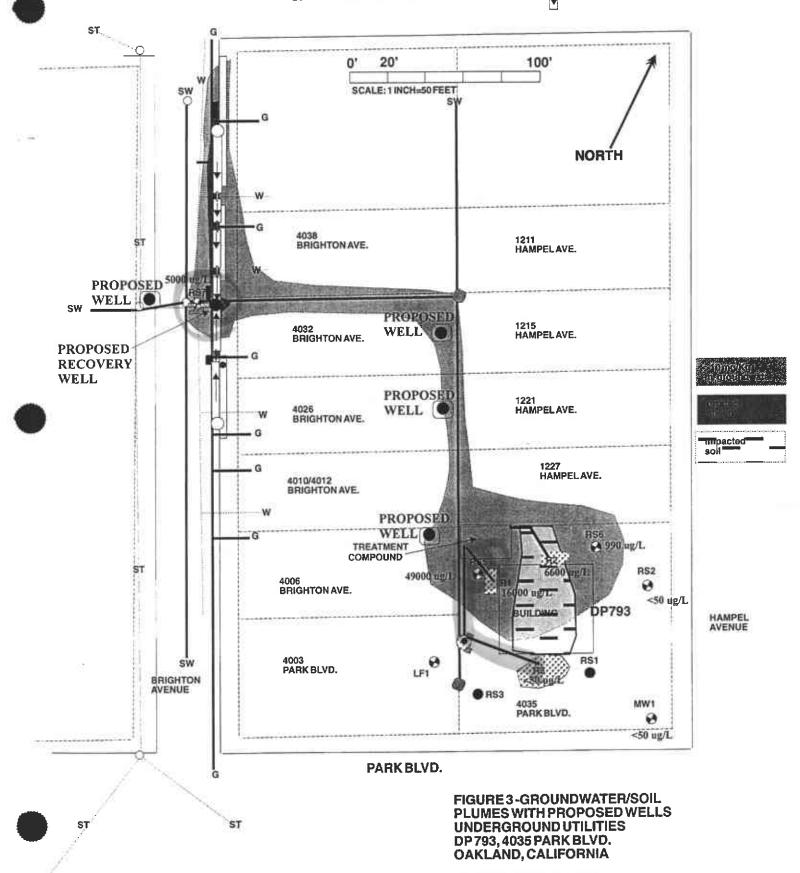
W WATER UTILITY

SW SEWERUTILITY

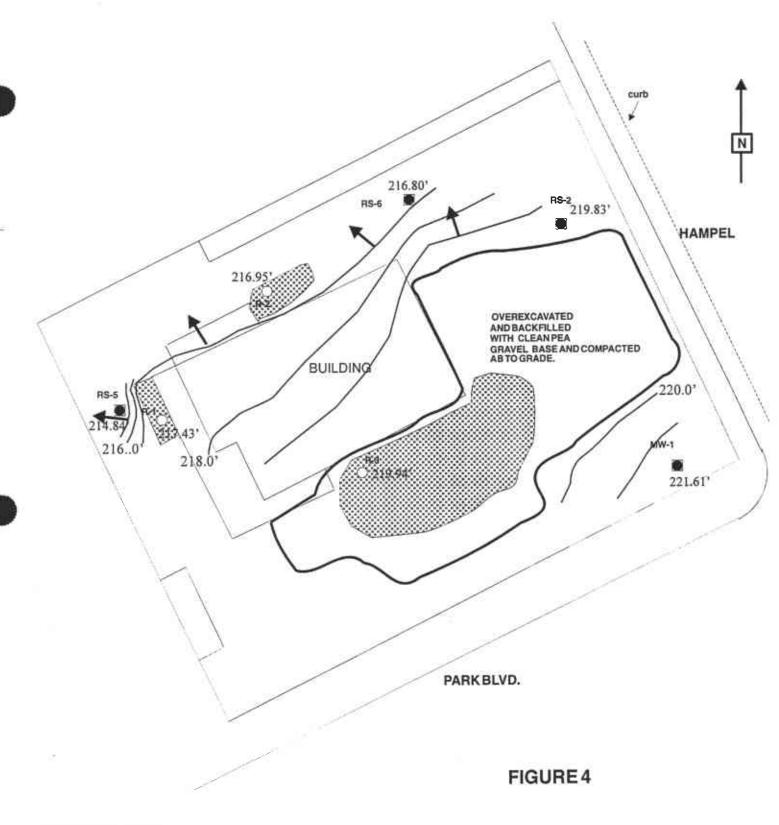
ST STORMWATER UTILITY



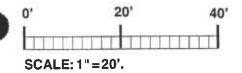
RECOVERY TRENCHS
WITH PROJECTED FLOW DIRECTION



SEPTEMBER 16, 1998



GROUNDWATER ELEVATION CONTOUR INTERVAL EQUALS ONE FOOT. ELEVATIONS ARE MEASURED IN FEET AMSL



GROUNDWATER ELEVATION GRADIENTS AND FLOW DIRECTION ON: SEPTEMBER 16, 1998

DESERT PETROLEUM STATION #793 4035 PARK BLVD.. OAKLAND, CALIFORNIA 94602

# APPENDIX A

QA/QC METHODS & PROCEDURES

# Appendix A Methods and Procedures QA/QC

This Appendix documents the specific methods, procedures, and materials used to collect and analyze groundwater samples.

### Gauging and Measuring Monitor Wells

Prior to sampling a well, WEGE personnel obtain three measurements:

1. the depth to groundwater (DTW);

2. the product thickness using a battery powered depth to water-product interface probe and/or by using a specially designed bailer;

3. the total depth of casing, to calculate the total water volume in the well.

The DTW-product interface probe is lowered into the well casing until the instrument signals when the top of free phase floating product (if present) and/or the top of water is reached. The distance from the top of free phase floating product and/or water to the top of casing is read from the tape that is attached to the probe. The probe is then lowered to the bottom of the well and the tape is read again. The tape is calibrated in 0.01-foot intervals for accuracy to 0.01 foot. The measured distance is subtracted from the established elevation at the top of casing to determine the elevation of groundwater with respect to mean sea level and the difference between the top of groundwater and the base of the well is noted to establish water volume in the well. The probe and tape is washed with TSP (Tri Sodium Phosphate) and rinsed in distilled water before each measurement. WEGE has designed and built bailers that will collect a sample of the contents of a well to show the exact thickness of any floating product. Some of the abbreviations used in water sampling and or measuring or monitoring are: BGS, Below Ground Surface; DTW, Depth to Water (from surface reference i.e. usually TOC); TOC, Top of Casing; MSL, Mean Sea Level; AMSL and BMSL, Above and Below MSL; BS, Below Surface; TOW, Top of Water; TSP, Tri Sodium Phosphate.

### Purging Standing Water from Monitor Wells

If no product is present, WEGE personnel purge the well by removing groundwater until the water quality parameters (temperature, pH, and conductivity) stabilize, or until the well is emptied of water. Periodic measurements of groundwater temperature, pH, and conductivity are taken with a Hydac Monitor or other meter and recorded along with the volume of groundwater removed from the well. Purging is done by one or more methods singularly or in combination. Bailers, pneumatic or electric sample pumps, or vacuum pump tanks or trucks may be used. The usual amount of water removed is three borehole volumes, unless otherwise stated.

#### $BV = (7.48/4) \times (CD2+P (BD2-CD) 2) \times (WD-GW)$

BV borehole volume (gallons) CD casing diameter (feet) GW depth to groundwater (feet) BD borehole diameter (feet)
WD well depth (feet)
P porosity of the gravel pack, 25%

#### Table of Common Boring and Casing Diameters

D-GW)

EXAMPLE: An 8 inch boring with 2 inch casing requires removal of 0.831 gallons of water per foot of water column.

The water collected during purging is either safely stored on- site in 55 gallon DOT 17H drums for later disposition, transported to an approved on-site/off-site treatment facility or to a sewer discharge system.

#### Collection of Water Sample for Analysis

The groundwater in the well is allowed to recover, to at least 80% of its volume prior to purging, if practical, before the groundwater sample is collected.

Percent Recovery = (1 - <u>Residual drawdown</u>) x 100. Maximum drawdown

A fresh bailer is used to collect enough water for the requirements of the laboratory for the analyses needed or required. The water samples are decanted from the bailer into the appropriate number and size containers. These containers are furnished pre-cleaned to exact EPA protocols, with and without preservatives added, by the analytical laboratory or a chemical supply company. The bottles are filled, with no headspace, and then capped with plastic caps with teflon liners.

The vials or bottles containing the groundwater samples are labeled with site name, station, date,

time, sampler, and analyses to be performed, and documented on a chain of custody form. They are placed in ziplock bags and stored in a chest cooled to 4 °C with ice. The preserved samples are COC (chain of custody) delivered to the chosen laboratory.

#### **Analytical Results**

TPH is the abbreviations used for Total Petroleum Hydrocarbons used by the laboratories for water and soil analyses. The letter following TPH indicates a particular distinction or grouping for the results. The letters "g", "d", "k", or "o" indicate gasoline, diesel, kerosene, or oil, respectively, i.e. TPH-d for diesel ranges TPH.

BTEX or MTBE are acronyms or abbreviations used for Benzene, Toluene, Ethylbenzene and all of the Xylenes (BTEX) and Methyl tertiary-Butyl Ether (MTBE), respectively.

MBTEX is the designation for the combination of the above five compounds.

Laboratory lower detection limits unless otherwise noted, due to matrix interference or elevated concentrations of target compounds, are as follows:

TPHg	50 ug/L	MTBE	0.5 ug/L
Benzene	0.5 ug/L	Toluene	0.5 ug/L
Ethyl Benzene	e 0.5 ug/L	Total Xylenes	1.0 ug/L

The less than symbol, <, used with a "parts per value" indicates the lower detection limit for a given analytical result and the level, if present, of that particular analyte is below or less than that lower detection limit.

Other abbreviations commonly used are ppm, ppb, mg/Kg, ug/Kg, ml/l and ul/l are parts per million, parts per billion, milligrams per kilogram, micrograms per kilogram, milliliters per liter, microliters per liter, respectively.

### **Chain of Custody Documentation**

All water samples that are collected by WEGE and transported to a certified analytical laboratory are accompanied by chain-of- custody (COC) documentation. This documentation is used to record the movement and custody of a sample from collection in the field to final analysis and storage. Samples to be analyzed at the certified laboratory were logged on the COC sheet provided by the laboratory. The same information provided on the sample labels (site name, sample location, date, time, and analysis to be performed) is also noted on the COC form. Each person relinquishing custody of the sample set signs the COC form indicating the date and time of the transfer to the recipient. A copy of the COC follows the samples or their extracts throughout the laboratory to aid the analyst in identifying the samples and to assure analysis within holding times.

Copies of the COC documentation are included with the laboratory results in Appendix B of the sampling report.

# APPENDIX B

FIECD NOTES



SITE DP 793		9-16-98	TIME	08:55
WELL MW 1	SAMPL	ED BY.	BROADWRY	
WELL ELEVAT				
PRODUCT THIC				·
DEPTH TO WAT		10.96	DTB 18.3	12
FLUID ELEVAT				
BAILER TYPE	DisposAbi	le Briler		
PUMP LTT (	DAVID			

	WELL PU	RGING R	ECORD	
TIME	VOLUME REMOVED	TEMP.	pН	COND.
09:06	1 Bailer	72.4	6.46	2.41
0909 -	491/	72.8	6.56	2.32
07:12	15	71.8	6.54	2.26
0477	5	71.7	6.499	2.19
60:30	,5	72.3	6.33	2.18
69:20 02:22	.5	72.4	6.34	2118
			· · · · · · · · · · · · · · · · · · ·	
			· · · · · · · · · · · · · · · · · · ·	<u> </u>

FINAL VOLUME PURGED 6 ga/
TIME SAMPLED 0924
SAMPLE ID. MW/
SAMPLE CONTAINERS 4/40cc VOR 5
ANALYSIS TO BE RUN TPHE BTEX /MTRE
LABORATORY NSE
NOTES: 1ST BRIVER CLEAR NO OLOR



SITE OP 793		9-16-98	TIN		09:35	
WELL AS2	SAMPL	ED BY.	BROADW	RM		
	<u></u>			<i>U</i>	<del> </del>	
WELL ELEVAT			·			
PRODUCT THIC	CKNESS					-
DEPTH TO WAT		10.60	DTB	18.40	<u>)                                    </u>	
FLUID ELEVAT						
BAILER TYPE PUMP 477	DisposAb.	le Briler	·		····	
PUMP LTT	David					

WELL PURGING RECORD COND. VOLUME TEMP. pΗ TIME REMOVED 5.23 3.95 1 Bailer 701 09:44 4).34 5.83 10 ga/ 20.2 09:58 5.93 4.48 10185 76.8 4.52 598 71.7 11:10. 4.50 71.9 6.05 .5 11:15 6.65 4.55 10:17 75 72.5 4,56 10:19 6.06 72.7

FINAL VOLUME PURGED 12.5 gA/
TIME SAMPLED 10:20
SAMPLE ID. RS2
SAMPLE CONTAINERS 4/40ec VOR 5
ANALYSIS TO BE RUN TPILG BTEX /MTRE
LABORATORY NSE
NOTES: 1st Briler CLEAR No Odor
Only got 10 gollows on punge
Joi is great to proge
A 6.



SITE DP 793	DATE			E 1121	
WELL RSS	SAMPL	ED BY.	BROADW	RY	
WELL ELEVAT	ION				<u> </u>
PRODUCT THIC				·	
DEPTH TO WA		15.84	DTB	39.20	
FLUID ELEVAT	YON				
BAILER TYPE PUMP ZTT	DisposAb	le Briler			<u> </u>
PUMP LTT	DAVID .				

	WELL PU	RGING R	ECORD	
TIME	VOLUME REMOVED	TEMP.	pН	COND.
11:25	1 Bailer	70.0	6.91	2.89
11:36 -	48 91/	72.7	6.52	3.04
11:58	151	71.2	6.35	2.89
11:13	1	69.7	6.28	2.97
11:46	1.	69.5	6.09	2,93
1148	,5	69.3	6.13	2,86
11:50	,5	69.3	6.10	2.85
	·			

FINAL VOLUME PURGED 31/
TIME SAMPLED 1155
SAMPLE ID. RSS
SAMPLE CONTAINERS 4/40cc VOR 5
ANALYSIS TO BE RUN TPHG BTEX /MTRE
LABORATORY NSE
NOTES: 1st BAILER CLEAR SLIGHT ODOR
V

24 .65 120 144 15.6



SITE OP 793	1	9-16-98	TIM		
WELL 456	SAMPL	ED BY.	BROADWI	8/1	
				<u> </u>	
WELL ELEVAT	ION				
PRODUCT THIC					
DEPTH TO WA		13.42	DTB	34.02	
FLUID ELEVAT	TION				
BAILER TYPE PUMP 477	DisposAb	le Briler			
PUMP 477	DAVID				

165

		2222	700DD	
	WELL PU	<u>RGING R</u>	<u>ECORD</u>	
TIME	VOLUME REMOVED	TEMP.	pН	COND.
10:29	1 Bailer	7/./	6.05	3.78
1040	. 30 ga/	69.5	5.99	396
1040 1045	,51	69.6	6.00	3.95
10:47		69.4	6,00	3.94

FINAL VOLUME PURGED 41/
TIME SAMPLED 1150
SAMPLE ID. RS 6
SAMPLE CONTAINERS 4/40cc VOR 5
ANALYSIS TO BE RUN TPHE BTEX INTRE
LABORATORY NSE
NOTES: 1ST BRIVER CHAR NO DEOR
NOTED: 7 PATTON CHANGE TO BE BUILD



SITE OP 793	DATE	9-16-98	TIN	Æ	305	
WELL RIT	SAMPI	ED BY.	BROADU	IRM		
				<i>U</i>		
WELL ELEVAT					· · · · · · · · · · · · · · · · · · ·	
PRODUCT THIC						•
DEPTH TO WA	TER	3.83	DTB	7_		
FLUID ELEVAT	TON					
BAILER TYPE	Disposib	le Briler				
PUMP 477	DAVID					

WELL PURGING RECORD COND. TEMP. pН VOLUME TIME REMOVED 6.28 3.92 1 Bailer 79.3 13:08 6.13 405 78,0 6 91/ (3:1/ 400 604 77.5 1313 3,90 599 77.3 1314 3.91 5.97 722 13:15

FINAL VOLUME PURGED 11/
TIME SAMPLED 1316
SAMPLE ID. RS 7
SAIVIFLE ID. AS
SAMPLE CONTAINERS 4/40cc VOR 5
ANALYSIS TO BE RUN TPHE BTEX /MTRE
LABORATORY NSE
NOTES: 1st Bailer Clear slight oder
TOTES. 7 ZA779K SAA

365



SITE DP 793		9-16-98	TIN		12:03	
WELL & /	SAMPI	ED BY.	BROADU	IRM		
				· (/		
WELL ELEVAT	ION					
PRODUCT THIC	CKNESS					
DEPTH TO WA	ΓER	13.30	DTB	16		
FLUID ELEVAT	YON					·
BAILER TYPE	DISPOSAL.	le Briler				
PUMP 477	David					

1.45 4.35

	WELL PU	<u>RGING R</u>	<u>ECORD</u>	·
TIME	VOLUME	TEMP.	pН	COND.
	REMOVED			
12.05	1 Bailer	70.5	· 5.95	3,87
12:09.	14 91/	69.9	5.87	3.87
12:11	.51	69.8	5,77	3,85
12:13		69.5	5.78	3.80
		69.6	5.70	3.79
		6914	5.69	3.75
	<u> </u>	<u> </u>	<del></del>	

FINAL VOLUME PURGED 41/
TIME SAMPLED 12:17
SAMPLE ID. R-1
SAMPLE CONTAINERS 4/40cc VOR 5
ANALYSIS TO BE RUN TPH BTEX /MTRE
ILABORATORY /VSE
NOTES: 1st Bailer Clear Slight odor
V



SITE OP 793		, ,	TIME	10:56
WELL BA	SAMPI	ED BY.	BROADWAY	
WELL ELEVAT				
PRODUCT THIC				
DEPTH TO WA	TER	13.73	DTB 16.8	
FLUID ELEVAT				
BAILER TYPE	DisposAb	le Briler		
PUMP 477	DAVID			· · · · · · · · · · · · · · · · · · ·

1.47

	WELL PU	RGING R	ECORD	
TIME	VOLUME REMOVED	TEMP.		COND.
10:54	1 Bailer	70.2	5.18	3.77
1002	19 91/	69.7	5.85	7.04
11:04	.51	67.4	5.85	4.02

FINAL VOLUME PURGED 3 <sup>1</sup>
TIME SAMPLED 1107
SAMPLE ID. 62
SAMPLE CONTAINERS 4/40cc VOR 5
ANALYSIS TO BE RUN TPHE BTEX MTRE
LABORATORY NSE
NOTES: 1ST BRITER CLEPR NO OdoR



SITE DP 793		9-16-98	TI	/Y	-134
WELL &3	SAMPL	ED BY.	BROAdu	1841	
WELL ELEVAT					
PRODUCT THIC					-
DEPTH TO WAT	ΓER	10.38	DTB	4100	11.74
FLUID ELEVAT					
BAILER TYPE	DisposAb	le Briler			
PUMP LTT	DAVID				

	WELL PU	RGING R	ECORD	
TIME	VOLUME REMOVED	TEMP.		COND.
12/32	1 Bailer	75.6	6.29	4.48
12:42	. 5 ga/	75,1	6.27	4.24
17.48	.5	75.0	6.28	4.33
12.48	,5	75.2	6,27	4:34
			<u></u>	

FINAL VOLUME PURGED
TIME SAMPLED 12:55
SAMPLE ID. R3
SAMPLE CONTAINERS 4/40cc VOR 5
ANALYSIS TO BE RUN TPHE BTEX /MTRE
LABORATORY NSE
NOTES: 1st Bailer CLEAR No Odor
Park and Railes
Replaced Briter

1.45



# North State Environmental Analytical Laboratory Phone: (415) 588-9652 Fax: (415) 588-1950

Chain of Custody /	Request for	Analysis
Lab Job No.:	Page	of

Client: Decent le	Toplein		Repor	t to: George Converse		Phone: 530 668 5360		Turnaround Time	
Mailing Address:	,		Billing	to: Perer The trolum	Fax:				
1386 E. BERME	Kst			Box 1601	PO# / Billing Ref	erence:	Date:		
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Project / Site Address:		-		Analysis /		1 %		/ /	
DP 793				Requested	3 / s				
Sample ID	Sample Type	Container No. / Type	Pres.	Sampling Date / Time		And Schauss		/ Comments/Hazards	
Mal	1120	4 VOAS	HCL	9/16/98/0924					
R5-2	1			1020					
R-3				12:58					
K-2				11:07					
R5-5				11:55					
RI				12:17					
R5 6	}			1050					
1857			(	13:16					
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Relinquished by:	<del></del> -		E	Date: Time:	Recei	ived by:			

# LAWRENCE TANK TESTING, INC.

WELL SHEET

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CITY PHONE		STATE	<del>.</del> .	SH Cut	ORIESS Y ONE		STATE	
WELL NO.			ORK PERF		- managan and and a second and a	<b>.</b>		
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RS7	6							
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TOTAL TIME	<del></del>	<del></del>		TOTALO			\$	
THAVEL TIM	IE FROM		10_	····		<del></del>	<b>s</b>	
TOTAL MILE	AGE			•••				
						овтоз	FAI, \$	

# APPENDIX C

CABORATORY RESUCTS



Lab Number:

98-1160

\_ Client:

Western Geo-Engineers

Project:

DP#793

Date Reported: 09/30/98 Mailed 19/23 - Received 10/26/98

Gasoline and BTEX by Methods 8015M and 8020

<u>Analyte</u>	Method	Result	Unit	Date Sampled	Date Analyzed
_ample: 98-11	60-01 Clie	nt ID: MW1		09/16/98	WATER
Gasoline	8015M	ND		<del></del>	09/25/98
Benzene	8020	ND			
Ethylbenzene	8020	ND			
MTBE	8020	ND			
Toluene	8020	ND			
Xylenes	8020	ND			
Sample: 98-11	.60-02 Clie	nt ID: RS-2		09/16/98	WATER
Gasoline	8015M	ND			09/25/98
Benzene	8020	ND			
Ethylbenzene	8020	ND			
MTBE	8020	ND			
Toluene	8020	ND			
Xylenes	8020	ND			
Sample: 98-11	.60-03 Clie	nt ID: R-3		09/16/98	WATER
Gasoline	8015M	ND			09/25/98
Benzene	8020	ND			
Ethylbenzene	8020	ND			
MTBE	8020	ND			
pluene	8020	ND			
Xylenes	8020	ND			

Page



Lab Number:

98-1160

Client:

Western Geo-Engineers

Project:

DP#793

Date Reported: 09/30/98

Gasoline and BTEX by Methods 8015M and 8020

Analyte	Method	Result	Unit	Date Sampled	<u> Date Analyzed</u>
ample: 98-11		it ID: R-2		09/16/98	WATER
Gasoline	8015M	*6600	ug/L		09/25/98
Benzene	8020	11000	ug/L		
Ethylbenzene	8020	ИД			
MTBE	8020	ND			
Toluene	8020	24	ug/L		
Xylenes	8020	35	ug/L		
Sample: 98-11	60-05 Clier	nt ID: RS-5		09/16/98	WATER
Gasoline	8015M	49000	ug/L		09/25/98
Benzene	8020	1400	ug/L		
Ethylbenzene	8020	1700	ug/L		
MTBE	8020	ND<2.5	${ t ug/L}$		
Tolueņe	8020	7500	ug/L		
Xylenes	8020	8600	ug/L		
Sample: 98-11	60-06 Clier	nt ID: R1		09/16/98	WATER
Gasoline	8015M	16000	ug/L		09/25/98
Benzene	8020	3400	ug/L		
Ethylbenzene	8020	ND			
MTBE	8020	ND			
pluene	8020	92	ug/L		
Xylenes	8020	410	ug/L		

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2



Lab Number:

98-1160

\_ Client:

Western Geo-Engineers

Project:

DP#793

Date Reported: 09/30/98

Gasoline and BTEX by Methods 8015M and 8020

Analyte	Method	Result	Unit	Date Sampled	Date Analyzed
ample: 98-11	60-07 Clier	nt ID: RS6		09/16/98	WATER
Gasoline	8015M	990	ug/L		09/25/98
Benzene	8020 🕏	23	ug/L		
Ethylbenzene	8020	ND			
MTBE	8020	ND			
Toluene	8020	ND			
Xylenes	8020	ND			
Sample: 98-11	.60-08 Clier	nt ID: RS7		09/16/98	WATER
Gasoline	8015M	*5000	ug/L		09/25/98
Benzene	8020	6500	ug/L		
Ethylbenzene	8020	ND<2.5	ug/L		
MTBE	8020	ND<2.5	ug/L		
Toluene	8020	160	ug/L		
Xylenes	8020	500	ug/L		



Quality Control/Quality Assurance

Lab Number:

98-1160

Client:

Western Geo-Engineers

Project:

DP#793

Date Reported: 09/30/98

Gasoline and BTEX by Methods 8015M and 8020

	Reporting			MS/MSD			
Analyte	Method	Limit	Unit	Blank	Recovery	RPD	
Gasoline	8015M	50	ug/L	ND	101	5	
Benzene	8020	0.5	ug/L	ND	108	17	
Ethylbenzene	8020	0.5	ug/L	ND	104	15	
Toluene	8020	0.5	ug/L	ND	102	15	
Xylenes	8020	1.0	ug/L	ND	116	18	
MTBE	8020	0.5	ug/L	ND	122	12	

ELAP Certificate NO:1753 Reviewed and Approved

John A.Murphy, Laboratory Director

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## North State Environmental Analytical Laboratory

Phone: (415) 588-9652 Fax: (415) 588-1950

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Chain of Custody / Request for Analysis

Lab Job No.: \_\_\_\_\_ Page \_\_\_ of \_\_\_ Report to: George Converse Phone: 530 668 5360 **Turnaround Time** Client: Desert Peterleum Billing to: Pescat Petroleum Fax: Mailing Address: WEGE PO# / Billing Reference: 1386 E. BERMER ST Date: P.O. Box 1601 OXNARD, CA 93032 Sampler: Woodland, CA 95776-6003 Analysis Project / Site Address: DP 793 Requested Comments/Hazards Container Pres. Sampling Sample ID Sample Date / Time No. / Type Type HCL 4/16/98/0924 4 VOAS H2O MWI 1020 RS-2 R-3 12:58 R-2 16,07 11:55 R5.5 12:17 RI 10:50 R56 13'16 RS 7 Relinquished by: Stelly A Broadway Date: 9/14/48 Time: 17:30 Received by: Lab Comments Date q/18/98 Time: 1/-- Received by: Date: 9/16/9 Time: (>:35 Received by: Relinquished by:

# APPENDIX D

EVERGREEN

	1, Generator's US EPA ID No.		2. Page 1	3.	Document	Number	
4.1.5	NONGIVE AND THE STATE OF THE ST		of 1	<u> </u>	H- N:	2 13	50
1	4. Generator's Name and Mailing Address DP 793			El	ES 19		
9.75	4025 PARK RL	כוע					
	530-668-5300 CANLAND						
	5, Transporter Company Name 6.	US EPA ID Number	7. Transp	orter Pho	me		· a '
	EVERGREEN ENVIRONMENTAL SERVICES	CAD982413262			72-5284	4 .	
	Designated Facility Name and Site Address     9.	US EPA ID Number	10. Facilit	y's Phon	<b>e</b>		
	Evergreen Oil, Inc.	·					
	6880 Smith Avenue		]				
G	Technology Con Concession	CAD980887418	<u> </u>	510-/ 2. Conta	95-440	13.	14
E N	11. Waste Shipping Name and Description		1	2. Conta No.	Type	Total Quantity	14, Unit Wt/Vol
E	a.	<u> </u>		110,	1,7,50		
A T O	Non-Hazardous waste, liquid Water and oil			001	77	160	G
R	b.						1
П	·	•		5 4 % 6 %	12.5	a. a. 81	
Ш	15. Special Handling Instructions and Additional Information		Handling	Codes fo	w Wastes	Listed Above	
				11a.	-	115.	
11	·	•					
Ш	Profile #						
	Do not ingest		Invoice:	7/3	413		
	Wear protective clothing In case of emergency call: CHEMTREC 800-424-9300		Sales Or				
	DOT ERG 171		50,00				
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