Geologic and Environmental Services

Fax: 415-547-5043

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5500 Shellmound Street, Emeryville, CA 94608

TRANSMITTAL LETTER

FROM:	Tom Fojut	DATE: Decemb	per 4, 1990
<u>TO</u> :	Susan Hugo Alameda County Department of Environmental Health Division of Hazardous Materials 80 Swan Way, Room 200 Oakland, California 94621-1426	VIA:X	First Class Mail Fax pages UPS (Surface) Federal Express Courier
SUBJE AS:	CT: Shell Service Station WIC# 204-6001-0109 29 Wildwood Avenue Piedmont, CA We discussed on the telephone on You requested We believe you may be interested X Is required	52	<u>J0B</u> : 81-463-01
WE AR	E SENDING: X Enclosed Under Separate Cover V	la	
Quar	terly status report for the subject site		
<u>FOR</u> :	Your information PLEASE: X Your use Your review & comments Return to you	Retu	o this material arn within 2 weeks nowledge receipt
MESSA	GE: Please call if you have any question	.s.	
	Diane Lundquist, Shell Oil Company, P.O. Lester Feldman, California Regional Quali Bay Retion, 1800 Harrison Street, Oakl	y Control B	oard - San Francisco

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December 4, 1990

Susan Hugo Alameda County Department of Environmental Health Division of Hazardous Materials 80 Swan Way, Room 200 Oakland, California 94621-1426

> Re: Shell Service Station WIC #204-6001-0109 29 Wildwood Avenue Piedmont, California WA Job #81-463-01

Dear Ms. Hugo:

This letter describes Weiss Associates' (WA) fourth quarter 1990 activities at the Shell service station referenced above (Figure 1.) This status report satisfies the quarterly reporting requirements prescribed by California Administrative Code Title 23 Waters, Chapter 3, Subchapter 16, Article 5, Section 265.d. Included below are:

- Descriptions and results of activities performed to date in the fourth quarter 1990,
 and
- Proposed work for the remainder of the fourth quarter 1990 and the first quarter
 1991.

FOURTH QUARTER 1990 ACTIVITIES

During the fourth quarter 1990, WA:

- Collected ground water samples from all six wells,
- Measured ground water depths and determined ground water elevations and the flow direction, and
- Analyzed the ground water samples and tabulated the analytic results, and

These activities are described below:

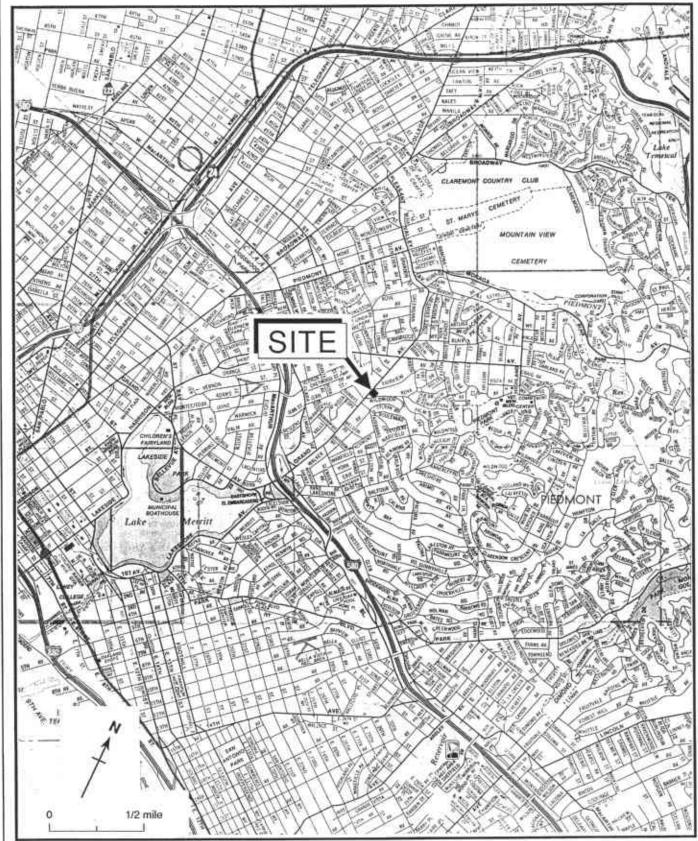


Figure 1. Site Location Map - Shell Service Station WIC #204-6001-0109, 29 Wildwood Avenue, Piedmont, California





Ground Water Sampling

WA collected ground water samples from all six monitoring wells on October 30, 1990, as part of the quarterly ground water monitoring program at Shell Service Station WIC #204-6001-0109 in Piedmont, California. Ground water samples from monitoring well MW-3 (Figure 2) contained benzene above the California Department of Health Services (DHS) maximum contaminant level (MCL) for drinking water.

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Sampling Personnel: WA Environmental Technicians David Charles and Paul Cardoza

Monitoring Wells Sampled: MW-1 through MW-5 and E-4

Method of Purging Wells:

- Wells MW-1 through MW-5 were purged with dedicated PVC bailers.
- Well E-4 was purged with a steam-cleaned PVC bailer.

Volume of Water Purged Prior to Sampling:

- Wells MW-1 through MW-5 were purged of four well-casing volumes, about 12 to 31 gallons each.
- Well E-4 was purged dry; water level was allowed to recover for about two hours prior to sampling.

Method of Collecting Ground Water Samples:

- Samples from wells MW-1 through MW-5 were drawn through sampling port on side of dedicated PVC bailers.
- Samples from well E-4 were decanted from a steam-cleaned Teflon bailer.

Methods of Containing Ground Water Samples:

 40 ml glass, volatile organic analysis (VOA) vials, preserved with hydrochloric acid and packed in protective foam sleeves

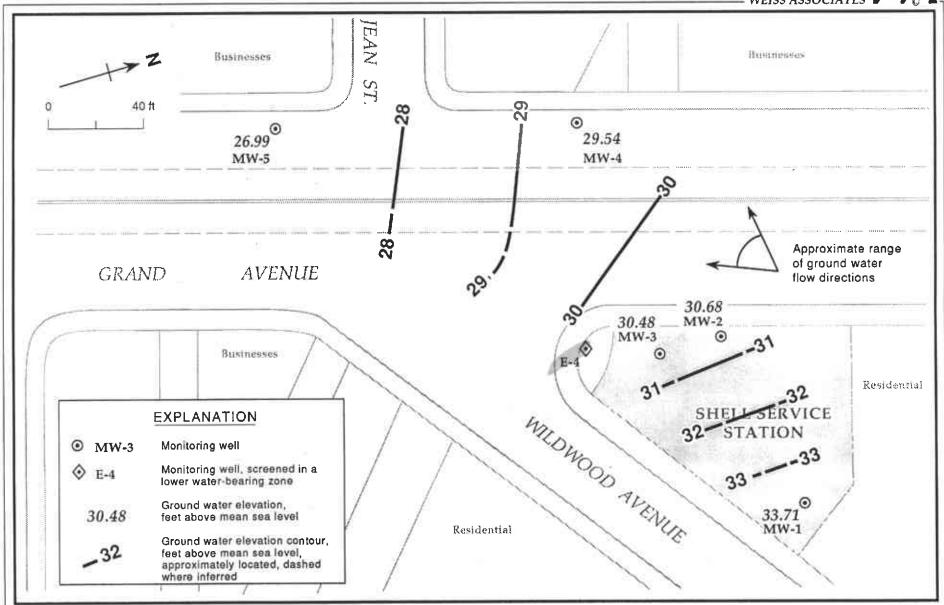


Figure 2. Monitoring Well and Ground Water Elevation Contours - October 30, 1990 - Shell Service Station, WIC #204-6001-0109, 29 Wildwood Avenue, Piedmont, California



All samples were refrigerated and transported under chain-of-custody to the analytical laboratory.

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Water Samples Transported to:

 National Environmental Testing, Inc. (NET), Santa Rosa, California, and were received on October 31, 1990

Quality Assurance/Quality Control:

• A travel blank was submitted for analysis.

Water sample collection records and chain-of-custody forms are included in Attachments A and B, respectively.

Ground Water Elevations and Flow Direction

- The depth to water was measured in all wells on October 30, 1990. Ground water elevations are similar to the previous quarter.
- The direction of ground water flow ranges from westward to southwestward. This is similar to previous results.
- The potentiometric surface of flowing artesian well E-4 was greater than 4.5 ft above the top-of-casing in July 1989. This well is screened in a deeper water-bearing zone than the other wells.

Depth to water measurements and ground water elevations are presented in Table 1. Ground water elevation contours are plotted on Figure 2.

Chemical Analyses

The Ground Water Samples were Analyzed for:

- Total petroleum hydrocarbons as gasoline (TPH-G) by modified EPA Method 8015, and
- Benzene, ethylbenzene, toluene and xylenes (BETX) by EPA Method 602.



The laboratory analyzed the samples on November 7, 1990. The results are presented in Table 2 and the analytic reports are included in Attachment B.

Discussion of Analytic Results of Ground Water for this Quarter:

- No hydrocarbons were detected in samples from wells MW-1, MW-4 and E-4.
- Benzene concentrations decreased to below the laboratory detection limit in samples from well MW-2.
- Although the benzene concentration in ground water from well MW-3 exceeded the DHS MCL for drinking water, hydrocarbon concentrations decreased substantially compared to previous quarters.
- BETX were detected for the first time in samples from well MW-5.

TABLE 1. Ground Water Elevation Data, Shell Service Station WIC #204-6001-0109, 29 Wildwood Avenue, Piedmont, California

Well ID	Date	Top-of-Casing Elevation (ft above msl)	Depth to Water (ft)	Ground water Elevation (ft above msl)
MW-1	7/12/89	37.96	2.76	35.20
2-211 2	1/30/90	0.120	3.10	34.86
	4/27/90		3.24	34.72
	7/31/90		4.26	33.70
	10/30/90		4.25	33.71
MW-2	7/12/89	34.89	3.66	31.23
	1/30/90		3.49	31.40
	4/27/90		3.79	31.10
	7/31/90		4.03	30.86
	10/30/90		4.21	30.68
MW-3	7/12/89	35.00	3.83	31.17
	1/30/90		3.24	31.76
	4/27/90		4.02	30.98
	7/31/90		4.31	30.69
	10/30/90		4.52	30.48
MW-4	1/30/90	33.73	4.50	29.23
	4/27/90		3.62	30.11
	7/31/90		4.19	29,54
	10/30/90		4.19	29.54
MW-5	1/30/90	31.38	7.12	24.26
	4/27/90		4.19	27.19
	7/31/90		4.09	27.29
	10/30/90		4.39	26.99
E-4	7/12/89	34.63	a	>34.63
	1/30/90		ъ	>34.63
	4/27/90		ь	>34.63
	7/31/90		b	>34.63
	10/30/90		b	34.63

Well E-4 is a flowing artesian well. The potentiometric surface was greater than 4.5 ft above ground surface.

b = Well E-4 potentiometric surface higher that top of well casing

Well ID	Date Sampled	Analytical Laboratory	Analytic Methods	TPH-G <	В	E parts per l	Τ billion (μg/L) -	X	VOCs
	•	•					., 4.		
MW- 1	7/12/89	İT	8015/8020/624	<50	<0.5	<1	<1	<3	ND
	1/30/90	NET	8015/602	<50	<0.5	<0.5	<0.5	<0.5	
	4/27/90	NET	8015/602	<50	<0.5	<0.5	<0.5	<0.5	
	7/31/90	NET	8015/602	<50	<0.5	<0.5	<0.5	<0.5	
	10/30/90	NET	8015/602	<50	<0.5	<0.5	<0.5	<0.5	
MW-2	7/12/89	ΙT	8015/8020/624	60	2.7	<1	<1	<3	ND
	1/30/90	NET	8015/602	<50	6.6	0.54	<0.5	0.93	***
	4/27/90	NET	8015/602	60	2.1	<0.5	<0.5	<0.5	
	7/31/90	NET	8015/602	70	1.5	<0.5	<0.5	<0.5	
	10/30/90	NET	8015/602	70	<0.5	<0.5	0.7	1.6	
MW-3	7/12/89	IT	8015/8020/624	3,900	380	99	41	30	a
	1/30/90	NET	8015/602	5,500	440	79	35	130	
	4/27/90	NET	8015/602	4,500	310	37	26	110	
	7/31/90	NET	8015/602	3,500	210	8.4	17	62	
	10/30/90	NET	8015/602	2,300	61	<0.5	<0.5	28	
	10/30/90	NEI	8013/802		01	\0. 3	٧٥.5	20	
4W-4	1/31/90	NET	8015/602	<5 <u>ይ</u> 130	<0.5	<0.5	<0.5	<0.5	
	4/27/90	NET	8015/602	130 ^b	<0.5	<0.5	<0.5	<0.5	
	7/31/90	NET	8015/602	<50	<0.5	<0.5	<0.5	<0.5	
	10/30/90	NET	8015/602	<50	<0.5	<0.5	<0.5	<0.5	
MW-5	1/31/90	NET	8015/602	<50	<0.5	<0.5	<0.5	<0.5	
	4/27/90	NET	8015/602	210 ^b	<0.5	<0.5	<0.5	<0.5	
	7/31/90	NET	8015/602	90	<0.5	<0.5	<0.5	<0.5	
	10/30/90	NET	8015/602	100	0.8	0.6	0.7	1.4	
E-4	7/12/89	IT	8015/8020/624	<50	<0.5	<1	<1	<3	ND
-	1/31/90	NET	8015/602	<5ρ	<0.5	<0.5	<0.5	<0.5	
	4/27/90	NET	8015/602	120 ⁵	<0.5	<0.5	<0.5	<0.5	
	7/31/90	NET	8015/602	<50	<0.5	<0.5	<0.5	<0.5	
	10/30/90	NET	8015/602	<50	<0.5	<0.5	<0.5	<0.5	
Trip Blank	7/12/89	ΙŤ	8015/8020/624	<50	<0.5	<1	<1	<3	
ii ib erank	1/31/90	NET	8015/602	<50 <50	<0.5	<0.5	<0.5	<0.5	
			-	<50	<0.5	<0.5	<0.5	<0.5	
	4/27/90	NET	8015/602						
	7/31/90 10/30/90	NET NET	8015/602 8015/602	<50 <50	<0.5 <0.5	<0.5 <0.5	<0.5 <0.5	<0.5 <0.5	
Bailer	4/27/90	NET	8015/8020	110 ^b	<0.5	<0.5	<0.5	<0.5	
Blank	4/21/90	NE I	0013/0020	110	ζυ, σ	(0,0	NU. 5	\0. 3	
OHS MCLs				ΝE	1	680	100 ^C	1,750	

⁻⁻Table 2 continues on next page--

TABLE 2. Analytic Results for Ground Water, Shell Service Station WIC #204-6001-0109, 29 Wildwood Avenue, Piedmont, California (continued)

Abbreviations:

TPH-G = Total Petroleum Hydrocarbons as Gasoline

B = Benzene

E = Ethylbenzene

T = Toluene

X = Xylenes

VOCs = Volatile Organic Compounds

ND = Not detected at detection limits of 5 to 10 parts per billion (ppb)

--- = Not Analyzed

NE = DHS MCL not established

DHS MCLs = California Department of Health Services Maximum

Contaminant Levels for drinking water

<n = Not detected at detection limit of n ppb

Notes:

a = BETX detected at 410, 97, 36 and 300 parts per billion, respectively by EPA Method 624

b = Non-fuel peak reported as TPH-G by EPA Method 8015

c = DHS Recommended Drinking Water Action Levels, MCL not established

Analytical Laboratory:

IT = International Technology Corporation, Inc., San Jose, California NET = National Environmental Testing, Inc., Santa Rosa, California

Analytic Methods:

602 = EPA Method 602 for BETX

624 = EPA Method 624 for VOCs

8015 = Modified EPA Method 8015 for TPH-G

8020 = EPA Method 8020 for BETX



ANTICIPATED WORK FOR REMAINDER OF FOURTH QUARTER 1990 AND FOR FIRST QUARTER 1991

No work is anticipated at this site for the remainder of the fourth quarter 1990. During the first quarter 1991, on behalf of Shell Oil, WA plans to:

- · Continue quarterly monitoring of ground water at this site,
- Review the historic site ground water flow direction and water quality data an recommend sampling frequency modifications, and
- Prepare a quarterly status report presenting all data generated during the previous quarter including the revised sampling schedule, if appropriate.

We are pleased to provide hydrogeologic consulting services to Shell and trust that this submittal satisfies your requirements. Please call if you have any questions.

No. 4981

Sincerely, Weiss Associates

Thomas J. Fojut Staff Geologist

Thomas F

12176

Joseph P. Theisen, R.G. Senior Project Hydrogeologist

TJF/JPT:ss

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Attachments:

- A Water Sample Collection Records
- B Analytic Reports and Chain-of-Custody Form
- cc: Diane Lundquist, Shell Oil Company, P.O. Box 4023, Concord, California 94524

Lester Feldman, California Regional Quality Control Board -San Francisco Bay Region, 1800 Harrison Street, Oakland, California 94612



ATTACHMENT A

WATER SAMPLE COLLECTION RECORDS

WATER SAMPLING DATA	
Well Name Ma' Date 10/30/90 Time of Sampling 359 /5	5/_
Job Name Shell Predemant Job Number 51-463-01 Initials Page	
Sample Point Description (M = Monitorin	g Well)
Location	
WELL DATA: Depth to Water 425 ft (static, pumping) Depth to Product 1/2	ft.
Product Thickness A/A Well Depth 65 ft (spec) Well Depth 13.6 ft (sounded) Well Diameter	<u>-r</u> in
Initial Height of Water in Casing 9.35 ft. = volume $6/2$	
Casing Volumes to be Evacuated. Total to be evacuated 24.49	
EVACUATION METHOD: Pump # and type N/h Hose # and type N/h	_ .
Bailer# and type 3" x 36" OVC Dedicated V (Y/N)	
Other	
Evacuation Time: Stop	
Start 1246 1317 Formulas/Conversions	
Total Evacation Time 30 min $r = \text{well radius in ft.}$	
Total Evacuated Prior to Sampling 25 gal. h = ht of water col in ft.	
Evacuation Rate $\frac{1}{\sqrt{2}}$ gal. per minute vol. in cyl. = $\pi r^2 h$	
Depth to Water during Evacuation <u>N/A</u> ft. <u>N/A</u> time 7.48 gal/ft ³	
Depth to Water at Sampling 5.87 ft. $13/54$ time V_2 " casing = 0.163 gal/ft	
* Evacuated Dry? $\underline{\underline{y}}$ After $\underline{\underline{n}}$ gal. Time $\underline{\underline{n}}$ $\underline{\underline{s}}$ $\underline{\underline{g}}$ $\underline{\underline{v}}$ v ₃ " casing = 0.367 gal/ft	
80% Recovery = $\sqrt{\beta}$ V_4 " casing = 0.653 gal/ft	
% Recovery at Sample Time N/H Time N/H V _{4.5} " casing = 0.826 gal/ft £ Continued until 4 Casing volumes removed. V ₆ " casing = 1.47 gal/ft	
CHEMICAL DATA: Meter Brand/Number V8 casing = 2.61 gal/ft	
Calibration: 4.0 7.0 70.0	
Measured: SC/μmhos pH T°C Time Volume Evacuated (gal.)	
<u> </u>	
CANCELE Colon (3.)	
SAMPLE: Color <u>Clear</u> Odor <u>None</u> Description of matter in sample: Very fine suspended particles of site	
Sampling Method: From port on dedicated bailer	
Sample Port: Rate 14 gpm Totalizer v/12 gal.	
Time w/A	
# of Sample Cont. Vol ² Fil ³ Ref ⁴ Preservative Analytic Turn ⁵	LAB
Cont. ID Type ¹ (specify) Method	2.12
3 100-01 WEVER 400/ N Y NORE 8015/602 N 1	187

¹ Sample Type Codes: W = Water, S = Soil, Describe Other
Container Type Codes: V = VOA/Teflon Septa, P = Plastic, C or B = Clear/Brown Glass, Describe Other
Cap Codes: PT = Plastic, Teflon lined;
2 = Volume per container; 3 = Filtered (Y/N); 4 = Refrigerated (Y/N)
5 Turnaround [N = Normal, W = 1 week, R = 24 hour, HOLD (spell)]
ADDITIONAL COMMENTS, CONDITIONS, PROBLEMS:

	me Muling		Date *	1/20 4	7 Time of	f Sampling 12	1 + e ⁻ /2/	
						Initials		C
	Point Descript			<u></u> ,			= Monitor	
=	n <u></u>							
	DATA: Dept			(static, p	umping)	Depth to Pr	oduct	9ft.
Product	Thickness <u>0/</u>	Well	Depth 12	ft (spec)) Well Depth //.5	ft(sounded) We	ell Diamet	er <u>#</u> in
						ft. = volume		
		<u> 4</u> Ca:				Total to be evacua	ted <u>19</u>	<u>्र</u> ्य gal.
EVACU	ATION METI	<u> HOD</u> :	Pump	# and ty	pe <i>O\B</i>	Hose # and type	NIA	
				# PVC D	edicated	(Y/N)		
		ier					••	
Evacuat	tion Time: Sto		11:26		12126			
			11:47			Formulas/Co		
			on Time			r = well radi		
					g <u>19.5</u>	•		
D 41 - 4	EV:	acuation R	ate	<i>• </i>	gal. per mi		πr~h	
					time	7.48 gal/ft ³	0 1691/6	
					2:56 time	 V₂" casing = V₃" casing = 		
20% R c	COVETY =	- N/A			11:26	V " casing -	0.653 mal/ft	
% Reco	verv at Samole	Time	-1/4	Time .	DIA	V _{4.5} " casing = 1000 . V ₆ " casing =	= 0.826 gal/	'ft
* C.o	ntinued h	<u></u>	neil 4	casisa	volume rem	round Vo" casing =	= 1.47 gal/ft	••
CHEMI	CAL DATA:	Meter Bran	d/Number	·-·J		V8 casing =		
	tion:		7.0		10.0	J	٠.	
Measure		SC/µmhos	pН	T°¢	Time	Volume Evacuate	ed (gal.)	
			\mathcal{H}					

				n -			 .	
	Jan 18 1		<u>,</u>					
	E: Color tion of matter	in sample	1/2.44	f:	Odo	r None		
	ng Method: _E		FE OF	declina	22.27.0-6.2		_	
	Port: Rate 🖊	🏄 gpm To		NIA	gal.			
	Time	v/8+						
# of	Sample	Cont.	Vol ² Fil	3 Ref ⁴	Preservative	Analytic	Turn ⁵	LAB
Cont.	ID.	Type ¹			(specify)	Method		
2	100.00	و المام	in the state of th	1.7	N	8015/602	11	NET
	100-02	w/c vox	HUMI 10	_ <u>y</u>		BU/5 / 600	· <u>~</u> -	8VC !
	-						 -	
								
								

Sample Type Codes: W = Water, S = Soil, Describe Other
 Container Type Codes: V = VOA/Teflon Septa, P = Plastic, C or B = Clear/Brown Glass, Describe Other
 Cap Codes: PT = Plastic, Teflon lined;
 = Volume per container; 3 = Filtered (Y/N); 4 = Refrigerated (Y/N)
 Turnaround [N = Normal, W = 1 week, R = 24 hour, HOLD (spell)]
 ADDITIONAL COMMENTS, CONDITIONS, PROBLEMS:

WATER SAMPLING DATA	
Well Name $h\omega - 3$ Date $10/30/90$ Time of Sampling	1212
Job Name SHELL FLED MONT Job Number 91-463-01 Init	
Sample Point Description	(M = Monitoring Well)
Location MIPPLE OF LOT	
	to Product ft.
Product Thickness Well Depth ft (spec) Well Depth 9.04 ft(sounder	d) Well Diameterin
Initial Height of Water in Casing 4,52 ft. = volum	e <u>2.95</u> gal.
	acuated //. &/ gal.
EVACUATION METHOD: Pump # and type Hose # and	type
Bailer# and type $3 \times 36^{\circ}$ PVC Dedicated \sqrt{ES} (Y/N)	
Other	e de la companya de
Evacuation Time: Stop	-
i i i i i i i i i i i i i i i i i i i	llas/Conversions
	ell radius in ft.
1	t of water col in ft.
	$cyt. = \pi r^2 h$
Depth to Water during Evacuation ft time 7.48 g	
	asing = 0.163 gal/ft
· · · · · · · · · · · · · · · · · · ·	asing = 0.367 gal/ft
· · · · · · · · · · · · · · · · · · ·	asing = 0.653 gal/ft
	casing = 0.826 gal/ft
	asing = 1.47 gal/ft
	sing = 2.61 gal/ft
Calibration: 4.0 7.0 10.0	8 8/
	cuated (gal.)
Measured: SC/μmhos pH T°C Time Volume Eva	cuated (gal.)
	cuated (gal.)
Measured: SC/μmhos pH T°C Time Volume Eva	
Measured: SC/μmhos pH T°C Time Volume Eva	
Measured: SC/μmhos pH T°C Time Volume Eva SAMPLE: Color None Description of matter in sample: SMALL AMT. COAFSE SILT L/72 Sampling Method:	
Measured: SC/μmhos pH T°C Time Volume Eva SAMPLE: Color μομε Ο Ο Ο ΔΙ Ο Ενα Description of matter in sample: SMQLL AMT. COAKSE SILT Δ 70 Sampling Method: Sample Port: Rategpm Totalizergal.	
Measured: SC/μmhos pH T°C Time Volume Eva SAMPLE: Color None Description of matter in sample: SMALL AMT. COAFSE SILT L/72 Sampling Method:	
Measured: SC/μmhos pH T°C Time Volume Eva SAMPLE: Color Monte Odor LIGH Description of matter in sample: SMQLL AMT. COAKSE SILT L/7 Sampling Method: Sample Port: Rate gpm Totalizer gal. Time	7
Measured: SC/μmhos pH T°C Time Volume Eva SAMPLE: Color μομε Ο Ο Ο ΔΙ Ο Ενα Description of matter in sample: SMQLL AMT. COAKSE SILT Δ 70 Sampling Method: Sample Port: Rategpm Totalizergal.	7
SAMPLE: Color	Turn ⁵ LAB
Measured: SC/μmhos pH T°C Time Volume Eva SAMPLE: Color Monte Odor LIGH Description of matter in sample: SMALL AMT. COARSE SILT C/7 Sampling Method: Sample Port: Rate gpm Totalizer gal. Time # of Sample Cont. Vol ² Fil ³ Ref Preservative Analytic	7 Turn ⁵ LAB
SAMPLE: Color	Turn ⁵ LAB
SAMPLE: Color	Turn ⁵ LAB
SAMPLE: Color	Turn ⁵ LAB
SAMPLE: Color	Turn ⁵ LAB
SAMPLE: Color	Turn ⁵ LAB
SAMPLE: Color	Turn ⁵ LAB

Sample Type Codes: W = Water, S = Soil, Describe Other
 Container Type Codes: V = VOA/Teflon Septa, P = Plastic, C or B = Clear/Brown Glass, Describe Other
 Cap Codes: PT = Plastic, Teflon lined;
 = Volume per container; 3 = Filtered (Y/N); 4 = Refrigerated (Y/N)
 Turnaround [N = Normal, W = 1 week, R = 24 hour, HOLD (spell)]
 ADDITIONAL COMMENTS, CONDITIONS, PROBLEMS:

	ne of Sampling 1342
Well Name NW-4 Date 10/20/96 Time Job Name SHEH PIEDMONT Job Number 81-463-01	Initials A
Sample Point Description	(M = Monitoring Well)
Location ACROSS GRAND AUG.	
WELL DATA: Depth to Water 4.19 ft (static, pumping)	Depth to Product ft.
Product Thickness Well Depth ft (spec) Well Depth,	
Initial Height of Water in Casing 7.77	$_{\text{ft.}}$ = volume $_{\text{5-07}}$ gal.
Casing Volumes to be Evacuated.	Total to be evacuated 20.19 gal.
EVACUATION METHOD: Pump # and type	Hose # and type
Bailer# and type 3 * 36" PVC Dedicated Other	<u>V&S</u> (Y/N)
Evacuation Time: Stop [231 13/7 1329	
Start $\sqrt{228}$ $\sqrt{315}$ $\sqrt{327}$	The surface of the su
Total Evacation Time 2 min.	<u>Formulas/Conversions</u> r = well radius in ft.
Total Evacuated Prior to Sampling	
Evacuation Rate 2.5 gal. per	
Depth to Water during Evacuation ft time	
Depth to Water at Sampling, 9-22 ft. 1340 tim	
Evacuated Dry? After gal. Time / 32/	V_3 " casing = 0.367 gal/ft
80% Recovery = /	V ₄ " casing = 0.653 gal/ft
% Recovery at Sample Time Time	$V_{4,5}$ " casing = 0.826 gal/ft
KEPT BAIHNG UNTIL 4 CAS. VOLS. GEMOVED	V_6 " casing = 1.47 gal/ft
CHEMICAL DATA: Meter Brand/Number	V8 casing = 2.61 gal/ft
Calibration: 4.0 7.0 10.0 Measured: $SC/\mu mhos$ pH $T^{\circ}C$ Time	Values For worded (est.)
Measured: $SC/\mu mhos$ pH T°C Time	Volume Evacuated (gal.)
Description of the state of the	Odor
SAMPLE: Color LT. BROWN Description of matter in sample: SUSPENDED BR. SINT Sampling Method: FROM PED. BLR. PORT	
Description of matter in sample: SUSPENDED BR. SILT Sampling Method: From DED. BLE. PORT Sample Port: Rate gpm Totalizer gal	
Description of matter in sample: SUSPENDED BR. SILT Sampling Method: FROM DED. BLE. PORT	
Description of matter in sample: SUSPENDED BR. SILT Sampling Method: FROM DED. BLE. PORT Sample Port: Rate - gpm Totalizer - gal Time - gal # of Sample Cont. Vol ² Fil ³ Ref ⁴ Preservative	
Description of matter in sample: SUSPENDED BR. SILT Sampling Method: From DED. BLE. PORT Sample Port: Rate - gpm Totalizer - gal Time -	
Description of matter in sample: SUSPENDED BR. SILT Sampling Method: FROM DED. BLE. PORT Sample Port: Rate - gpm Totalizer - gal Time - gal # of Sample Cont. Vol ² Fil ³ Ref ⁴ Preservative Cont. ID Type ¹ (specify)	e Analytic Turn ⁵ LAB Method
Description of matter in sample: SUSPENDED BR. SILT Sampling Method: FROM DED. BLE. PORT Sample Port: Rate - gpm Totalizer - gal Time - gal # of Sample Cont. Vol ² Fil ³ Ref ⁴ Preservative Cont. ID Type ¹ (specify)	e Analytic Turn ⁵ LAB Method
Description of matter in sample: SUSPENDED BR. SILT Sampling Method: FROM DED. BLE. PORT Sample Port: Rate - gpm Totalizer - gal Time - gal # of Sample Cont. Vol ² Fil ³ Ref ⁴ Preservative Cont. ID Type ¹ (specify)	e Analytic Turn ⁵ LAB Method
Description of matter in sample: SUSPENDED BR. SILT Sampling Method: FROM DED. BLE. PORT Sample Port: Rate - gpm Totalizer - gal Time - gal # of Sample Cont. Vol ² Fil ³ Ref ⁴ Preservative Cont. ID Type ¹ (specify)	e Analytic Turn ⁵ LAB Method
Description of matter in sample: SUSPENDED BR. SILT Sampling Method: FROM DED. BLE. PORT Sample Port: Rate - gpm Totalizer - gal Time - gal # of Sample Cont. Vol ² Fil ³ Ref ⁴ Preservative Cont. ID Type ¹ (specify)	e Analytic Turn ⁵ LAB Method
Description of matter in sample: SUSPENDED BR. SILT Sampling Method: FROM DED. BLE. PORT Sample Port: Rate - gpm Totalizer - gal Time - gal # of Sample Cont. Vol ² Fil ³ Ref ⁴ Preservative Cont. ID Type ¹ (specify)	e Analytic Turn ⁵ LAB Method
Description of matter in sample: SUSPENDED BR. SILT Sampling Method: FROM DED. BLE. PORT Sample Port: Rate - gpm Totalizer - gal Time - gal # of Sample Cont. Vol ² Fil ³ Ref ⁴ Preservative Cont. ID Type ¹ (specify)	e Analytic Turn ⁵ LAB Method
Description of matter in sample: SUSPENDED BR. SILT Sampling Method: FROM DED. BLE. PORT Sample Port: Rate - gpm Totalizer - gal Time - gal # of Sample Cont. Vol ² Fil ³ Ref ⁴ Preservative Cont. ID Type ¹ (specify)	e Analytic Turn ⁵ LAB Method

Cap Codes: PT = Plastic, Teflon lined; 2 = Volume per container; 3 = Filtered (Y/N); 4 = Refrigerated (Y/N) 5 Turnaround [N = Normal, W = I week, R = 24 hour, HOLD (spell)] ADDITIONAL COMMENTS, CONDITIONS, PROBLEMS:

WATER SAMPLING	•	in bolos	en i		1244	11100
		10/30/96	4-77	of Sampling	72	1724
Job Name SHELL			763-11	Initials		: W-11
Sample Point Descrip	NER OF JEAN	M. Carri	<u> </u>	(M	(= Monitor	ing wen)
				D45 4- 1		Q C
WELL DATA: Dep				Depth to P		
Product Thickness				./5 ft(sounded) W		
in	itial Height of Wa	_		_ft. = volume _		
		olumes to be		Total to be evacu		1.71 gal.
EVACUATION MET		ump # and t		Hose # and typ	e	
	niler# and type <u>I</u>	X16 PVC	Dedicated	<u>/ES_(Y/N)</u>	!	
	ther1	420				
Evacuation Time: St	· · · · · · · · · · · · · · · · · · ·	120				
	art 1404 14	15 -121	a	Formulas/C		
	otal Evacation Tin		つ /	r = well rac		
	otal Evacuated Pri		-0	- 0	ater col in ft.	
	vacuation Rate					
Depth to Water durin	- » 		time	7.48 gal/ft ³		
Depth to Water at Sa	_	· · · · · · · · · · · · · · · · · · ·	127 time	_	= 0.163 gal/ft	
Evacuated Dry?		gal. Time		•	= 0.367 gal/ft	
80% Recovery =		_		•	= 0.653 gal/ft	
% Recovery at Samp	le Time	_ Time <u>-</u>			ng = 0.826 gal/	ft.
		_		•	= 1.47 gal/ft	
CHEMICAL DATA:				V8 casing =	= 2.61 gal/ft	
<u> </u>	4.0	7.0	10.0			
Measured:	SC/μ mhos pH	T°C	Time	Volume Evacua	ted (gal.)	
						
						
			<u> </u>			
						
				•		
	1				110.15	
SAMPLE: Color	LT. BA		FINE SAND	or	NONE	
Sampling Method:		PORT	-1NC 3/1ND	21-78		
Sample Port: Rate			gal.			
Time						
# of Sample	Cont. Vol ²	Fil ³ Ref ⁴	Preservative	Analytic	Turn ⁵	LAB
Cont. ID	Type ¹	rn Kei	(specify)	Method	Turn	LAD
	-)				_	
1 1 m	<i>(</i>	. 17	010015	- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	4 2	
3 100-05	W/CV 40ml	N Y	NONE	8015/602	_ <u>//</u> .	NET
3 100-05	<i>(</i>	<u>N</u> <u>Y</u>	NONE	8015/602		<u> </u>
3 100-05	<i>(</i>	<u>N</u> <u>Y</u> _	NONE	8015/602		NET
<u>3 /00-05</u> 	<i>(</i>	<u>N</u> <u>Y</u> <u>=</u> =	NONE	8015/602		NET
3 100-05	<i>(</i>	N Y = = = = = = = = = = = = = = = = = = =	NONE	8015/602		NET
3 100-05	<i>(</i>	<u>N</u> <u>Y</u>	NONE	8015/602		NET
3 100-05	<i>(</i>	<u>N</u> <u>Y</u>	NONE	8015/602	<i>N</i>	NET

¹ Sample Type Codes: W = Water, S = Soil, Describe Other
Container Type Codes: V = VOA/Teflon Septa, P = Plastic, C or B = Clear/Brown Glass, Describe Other
Cap Codes: PT = Plastic, Teflon lined;
2 = Volume per container;
3 = Filtered (Y/N);
4 = Refrigerated (Y/N)
5 Turnaround [N = Normal, W = 1 week, R = 24 hour, HOLD (spell)]
ADDITIONAL COMMENTS, CONDITIONS, PROBLEMS:

WATE	<u>R SAMPLING</u>	DATA		. /	1			A 2	_
Well N		-4			30/90	Time o	of Sampling	1627	
	ime GHELL Pi		Job N	Jumbei	r' <u> </u>	1-463-01	Init	ials <u><i>DC</i></u>	
Sample	Point Descrip			M			<u> </u>	(M = Monito	ring Well)
Location	on <i>B</i>	4 CORNE	R-N	EAR	SIGN				
WELL	DATA: Dep	th to Wate	r <u>0.0</u>	_ f t (s1	tatic, p	umping)	Depth	to Product <u>~</u>	<u>2ft.</u>
Produc	t Thickness	2 Wel	l Depth]	4.26 f	t (spec) Well Depth 34	ft(sounded	l) Well Diame	ter <u>3</u> in
	In	itial Heig				34.26	$_{ft.} = volume$		
		, ,			_	Evacuated.	Total to be ev		_
EVAC	UATION MET		_		and ty		Hose # and		
		iler# and	_ ~	,,,,,,			$\nabla \theta = (Y/N)$	• •	
		ther				STOCK		•	
Evacua	ation Time: St		9						
		art 1449					Formu	las/Conversions	
		otal Evaca			5 MIN			ll radius in ft.	
		otal Evacu otal Evacu				. 20		of water col in ft.	
		vacuation			. 6	gal. per m	_ •	_	
Danth	to Water durin							$cyl. = \pi r^2 h$	
					11	1619 time	7.48 ga		
	to Water at Sa	•				1 = 5	-	sing = 0.163 gal/f	
	• -		86 D		Time_	1520	-	sing = 0.367 gal/f	
	ecovery =			-		•	·	sing = 0.653 gal/fo	
% Reco	overy at Samp	le Time	29-10	'_ Tii	me			casing $= 0.826$ gal	/ft
							-	sing = 1.47 gal/ft	
	ICAL DATA:		ınd/Nun				V8 cas	ing = 2.61 gal/ft	
Calibra		4.0 _		_ 7.0 _	-	10.0			
Measu	red:	SC/µmho	s pH		T°C	Time	Volume Eva-	cuated (gal.)	
								· · · · ·	
									
			_						
									•
	•								
SAMP	LE: Color		·'			Ode	or		
	ption of matte				<i>D</i> . =	des ilbaien			
	ing Method: _ Port: Rate _				BLR		> W/PC)		
Sample	Time	gpm i	Otalizei			gal.			
	2,1117			-					• • • • • • • • • • • • • • • • • • • •
# of	Sample	Cont.	Vol^2	Fil ³	Ref ⁴	Preservative	Analytic	Turn ⁵	LAB
Cont.	ID	Type ¹				(specify)	Method		
3	1m- F4	wiles	1/0.1	N	Y	NONE	8015 /60) A)	1 4
	1000	4// 4/	7-11-1-	1-			1000		///
									
									
						·			
	-								
		-							

I Sample Type Codes: W = Water, S = Soil, Describe Other
Container Type Codes: V = VOA/Teflon Septa, P = Plastic, C or B = Clear/Brown Glass, Describe Other
Cap Codes: PT = Plastic, Teflon lined;
2 = Volume per container; 3 = Filtered (Y/N); 4 = Refrigerated (Y/N);
5 Turnaround [N = Normal, W = 1 week, R = 24 hour, HOLD (spell)]
ADDITIONAL COMMENTS, CONDITIONS, PROBLEMS:

TRAVEL BLANKS

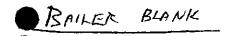
WEISS ASSOCIATES

20 4	
	i /i

WATER SAMPLING DATA	1525
Well Name Date 10/30/90 Time Job Name SHEHL PIED MONT Job Number 81-463-01	c of Sampling /
Sample Point Description	(M = Monitoring Well)
Location	(M = Monitoring wen)
WELL DATA: Depth to Water ft (static, pumping)	Depth to Product ft.
Product Thickness Well Depth ft (spec) Well Depth	· · · · · · · · · · · · · · · · · · ·
Initial Height of Water in Casing	
Casing Volumes to be Evacuated.	
EVACUATION METHOD: Pump # and type	
Bailer# and type Dedicated	
Other	
Evacuation Time: Stop	
Start	Formulas/Conversions
Total Evacation Time	r = well radius in ft.
Total Evacuated Prior to Sampling	gal. h = ht of water col in ft.
Evacuation Rate gal. per	minute vol. in cyl. = $\pi r^2 h$
Depth to Water during Evacuation ft time	7.48 gal/ft ³
Depth to Water at Samplingtttime	V _Z " casing = 0.163 gal/ft
Evacuated Dry? After gal. Time	V_3 " casing = 0.367 gal/ft
80% Recovery =	V ₄ " casing = 0.653 gal/ft
% Recovery at Sample TimeTime	$V_{4.5}$ " casing = 0.826 gal/ft
	V ₆ " casing = 1.47 gal/ft
CHEMICAL DATA: Meter Brand/Number	V8 casing = 2.61 gal/ft
Calibration: 4.0 7.0 18.0	
Measured: SC/μmhos pH T°C Time	Volume Evacuated (gal.)
	· · · · · · · · · · · · · · · · · · ·
/ \\	
/	
/	
SAMPLE: Color NONE O	Odor NOVE
Description of matter in sample:	odor port
Sampling Method:	
Sample Port: Rategpm Totalizer gal.	
Time -	
# of Sample Cont. Vol ² Fil ³ Ref ⁴ Preservative	e Analytic Turn ⁵ LAB
Cont. ID Type ¹ (specify)	Method
3 100-21 W/CV LAMI N Y NONE	80'5/602 N) NET
3 100 21 WICO JOPL N 7 TOOL	- 10 July
	<u> </u>

¹ Sample Type Codes: W = Water, S = Soil, Describe Other
Container Type Codes: V = VOA/Teflon Septa, P = Plastic, C or B = Clear/Brown Glass, Describe Other
Cap Codes: PT = Plastic, Teflon lined;
2 = Volume per container; 3 = Filtered (Y/N); 4 = Refrigerated (Y/N)
5 Turnaround [N = Normal, W = 1 week, R = 24 hour, HOLD (spell)]
A DESTROMATIONAL COMMENTS CONDITIONS DEPORTEMES.

ADDITIONAL COMMENTS, CONDITIONS, PROBLEMS:





WATER SAMPLI	NG DATA		1 /			
Well Name _ E				Time	of Sampling	1616
Job Name SHEL	L PIEDMONT	_ Job Num/	er /	81-463-01	Initia	ls
Sample Point Des	cription		. <u> </u>		(M = Monitoring Well)
Location						
WELL DATA:				umping)	Depth to	Product ft.
Product Thickness	SS Wel	l Depth	ft (spec) Well Depth	ft(sounded)	Well Diameterin
						gal.
	-		_			cuated gal.
EVACUATION N	_					/pe
		type/4X24	" TEF. [Dedicated	<u>Λ/δ</u> (Y/N)	•
	Other	W	1A #	H		·
Evacuation Time						-
	Start				Formulas	/Conversions
	Total Evaca					radius în ft.
		· · · · · · · · · · · · · · · · · · ·		g		water col in ft.
				gal. per n		i. = #r ² h
Depth to Water d					7.48 gal/	
Depth to Water a						
					_	ng = 0.163 gal/ft
Evacuated Dry?			I ime		-	ng = 0.367 gal/ft
80% Recovery =			. .		· ·	ng = 0.653 gal/ft
% Recovery at Sa	imple lime		ıme			sing = 0.826 gal/ft
OTTEN (10 1 T D 10					_	ng = 1.47 gal/ft
CHEMICAL DAT					V8 casing	g = 2.61 gal/ft
Calibration:						
Measured:	SC/µmhos	s pH	T°C	Time	Volume Evacu	ated (gal.)
				_		
•						
	·····					·
		·				
SAMPLE: Color		NOVE		Od	or NONE	
Description of m	atter in sample	e:	NONE	(1)	TEF. BLR. # H	105#
Sampling Method Sample Port: Ra			<i>ρ</i> <u>β</u> ·/.	gal.	TEN. BUC. SO M	101 - MO750
Tis		Otalizei				
						_
# of Sample	Cont.	Vol ² Fil ³	Rcf ⁴	Preservative	Analytic	Turn ⁵ LAB
Cont. ID	Type ¹			(specify)	Method	
7 1111->	> wku	YOAL N	\mathcal{V}	NIONE	8015/602	NWT
		TOTAL IV	- . 	100.1		
				·		
					•	
						
						

¹ Sample Type Codes: W = Water, S = Soil, Describe Other
Container Type Codes: V = VOA/Teflon Septa, P = Plastic, C or B = Clear/Brown Glass, Describe Other

Cap Codes: PT = Plastic, Teflon lined;

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5 Turnaround [N = Normal, W = 1 week, R = 24 hour, HOLD (spell)]

ADDITIONAL COMMENTS, CONDITIONS, PROBLEMS:



ATTACHMENT B

ANALYTIC RESULTS AND CHAIN-OF-CUSTODY FORM



NET Pacific, Inc. 435 Tesconi Circle Santa Rosa, CA 95401 Tel: (707) 526-7200 Fax: (707) 526-9623

Tom Fojut Weiss Associates 5500 Shell Mound Rd. Emeryville, CA 94524 Date: 11-13-90

NET Client Acct No: 18.09 NET Pacific Log No: 4711 Received: 11-01-90 0800

Client Reference Information

SHELL, 29 Wildwood, Piedmont; Project: 81-463-01

Sample analysis in support of the project referenced above has been completed and results are presented on following pages. Please refer to the enclosed "Key to Abbreviations" for definition of terms. Should you have questions regarding procedures or results, please feel welcome to contact Client Services.

Approved by:

Jules Skamarabk Laboratory Manager

Enclosure(s)



NET Pacific, Inc.

Client Acct: 18.09

Client Name: Weiss Associates

NET Log No: 4711

Date: 11-13-90

Page: 2

Descriptor, Lab No. and Results

	100-01 10-30-90	100-02 10-30-90	100-03 10-30-90	
Reporting Limit	67012	67013	67014	Units
	1	1	10	
	11-07-90	11-07-90	11-07-90	
0.05	ND	0.07	2.3	mg/L
	1	1	10	
	11-07-90	11-07-90	11-07-90	
0.5	ND	ND	61	ug/L
0.5	ND	ND	ND	ug/L
0.5	ND	0.7	ND	ug/L
0.5	ND	1.6	28	ug/L
	0.05 0.5 0.5 0.5	10-30-90 Reporting Limit 67012 1 11-07-90 1 11-07-90 0.5 ND 0.5 ND 0.5 ND	10-30-90 10-30-90 Reporting Limit 67012 67013 1 1 1 11-07-90 11-07-90 1 1 11-07-90 11-07-90 0.5 ND ND ND 0.5 ND ND 0.7	Reporting Limit 67012 67013 67014 1 1 10 11-07-90 11-07-90 11-07-90 1 1 1 10 10 11-07-90 11-07-90 11-07-90 11-07-90 11-07-90 11-07-90 11-07-90 11-07-90 11-07-90 11-07-90 0.5 ND

Ref: SHELL, 29 Wildwood, Piedmont; Project: 81-463-01



NET Pacific, Inc.

Client Acct: 18.09

Client Name: Weiss Associates

NET Log No: 4711

Date: 11-13-90

Page: 3

Ref: SHELL, 29 Wildwood, Piedmont; Project: 81-463-01

Descriptor, Lab No. and Results

		100-04 10-30-90	100-05 10-30-90	100-E4 10-30-90	
Parameter	Reporting Limit	67015	67016	67017	Units
PETROLEUM HYDROCARBONS					
VOLATILE (WATER)					
DILUTION FACTOR *		1	1	1	
DATE ANALYZED		11-07-90	11-07-90	11-07-90	
METHOD GC FID/5030					
as Gasoline	0.05	ND	0.10	NĎ	mg/L
METHOD 602					
DILUTION FACTOR *		1	1	1	
DATE ANALYZED		11-07-90	11-07-90	11-07-90	
Benzene	0.5	ND	0.8	ND	ug/L
Ethylbenzene	0.5	ND	0.6	ND	ug/L
Toluene	0.5	ND	0.7	ND	ug/L
Xylenes, total	0.5	ND	1.4	ND	ug/L



©Client Acct: 18.09

Client Name: Weiss Associates

NET Log No: 4711

Date: 11-13-90

Page: 4

Ref: SHELL, 29 Wildwood, Piedmont; Project: 81-463-01

Descriptor, Lab No. and Results

100-21 10-30-90

Parameter	Reporting Limit	67018	Units
PETROLEUM HYDROCARBONS			
VOLATILE (WATER)			
DILUTION FACTOR *		1	
DATE ANALYZED		11-07-90	
METHOD GC FID/5030			
as Gasoline	0.05	ND	mg/L
METHOD 602			
DILUTION FACTOR *		1	
DATE ANALYZED		11-07-90	
Benzene	0.5	ND	ug/L
Ethylbenzene	0.5	ND	ug/L
Toluene	0.5	ND	ug/L
Xylenes, total	0.5	ND	ug/L



NET Pacific, Inc.

KEY TO ABBREVIATIONS and METHOD REFERENCES

<	:	Less than; When appearing in results column indicates analyte not detected at the value following. This datum supercedes the listed Reporting Limit.
*	:	Reporting Limits are a function of the dilution factor for any given sample. To obtain the actual reporting limits for this sample, multiply the stated Reporting Limits by the dilution factor (but do not multiply reported values).
ICVS	:	Initial Calibration Verification Standard (External Standard).
mean	:	Average; sum of measurements divided by number of measurements.
mg/Kg (ppm)	:	Concentration in units of milligrams of analyte per kilogram of sample, (parts per million).
mg/L	:	Concentration in units of milligrams of analyte per liter of sample.
mL/L/hr	:	Milliliters per liter per hour.
MPN/100 mL	:	Most probable number of bacteria per one hundred milliliters of sample.
N/A	:	Not applicable.
NA	:	Not analyzed.
ND	:	Not detected; the analyte concentration is less than applicable listed reporting limit.
NTU	:	Nephelometric turbidity units.
RPD	:	Relative percent difference, 100 [Value 1 - Value 2]/mean value.
SNA	:	Standard not available.
ug/Kg (ppb)	:	Concentration in units of micrograms of analyte per kilogram of sample, (parts per billion).
ug/L	:	Concentration in units of micrograms of analyte per liter of sample.

Method References

: Micromhos per centimeter.

umhos/cm

Methods 100 through 493: see "Methods for Chemical Analysis of Water & Wastes", U.S. EPA, 600/4-79-020, rev. 1983.

Methods 601 through 625: see "Guidelines Establishing Test Procedures for the Analysis of Pollutants" U.S. EPA, 40 CFR, Part 136, rev. 1988.

Methods 1000 through 9999: see "Test Methods for Evaluating Solid Waste", U.S. EPA SW-846, 3rd edition, 1986.

 \underline{SM} : see "Standard Methods for the Examination of Water & Wastewater, 16th Edition, APHA, 1985.

Sampled by: Day of Container Sample Vol Fil Ref Preservative Containers Type Date Pleament Ch Shell Contact: Diane Lundon WIC #: 20460010109 AFE #: 986698 CHAIN-OF-CUSTODY RECORD AND ANALYTIC INSTRUCTIONS Paul Cardera Laboratory Name: No. of Sample ID Container Sample Vol Fil Ref Preservative (specify) 3 100-01 Wey (8/30/98 40m/ W V Nome 3 100-02 Wey (8/30/98 40m/ W V Nome	M	WEISS ASS	OCIATES		_2,) W	<u>اداط پی</u>	on Address: වෙර්	
Sampled by: Day id Charles Laboratory Name: No. of Sample ID Container Sample Vol ² Fil ³ Ref ⁴ Preservative Containers Type Date (specify) 3 100-01 way (b/3c/40 40a/ W V None		ound St., Emeryvill	le, CA 94608		Shel! WIC #	Contac : <u>204</u>	1: Di 60010	109	bο.
3 100-01 100 10 10	CHAIN-OF-	CUSTONY PECOP		TIC INCTO:					
	Sampled b	·Paul	Cardo	èce		aborator	y Name:		<u></u>
3 100-02 wer 10/30/40 40m/ W V Wome	No. of	· Paul y: <u>Doewick</u> Sample 1D	Cardo Cha Container	v/cs Sample	_ La		•	Preservative	<u>,</u>
	No. of	Paul y: <u>David</u> Sample ID s	Carde Cha Container Type	Sample Date	_ Li Vol ²	Fīl ³	•	Preservative (specify)	4

4001

40M1

		alytic results the signed chain of	custody form	to:	
ist			1 FOJU	T 47	-
	Project ID:	31-463-01		-	
	Lab Personnel:		ic method and	detection limit	
		in report. 2) Notify us if t	here are any	anomalous peaks	
1		on GC or other	scans.		
	···	3) ANY QUESTIONS/	CLARIFICATION	s: CALL US.	
Ana	lyze for	Analytic Method	Turn ⁵	COMMENTS	
FPH-C	Z BETK I BETX	8015 602	<u>w</u> _		<u></u>
TPH-6	I BETX	8016 602			
	2/ BETE	8015/602	n		
	ELBETX	8015/1602	$\overline{\mathcal{M}}$		
	GIBETX	8015/602	$\overline{\mathcal{N}}$		
	GIBETK	8015/602	n)	·	
	GIBETX	8015/602	<u>~</u> -		
	6/8ETK	8015/602	w	HOLD	
	/				
			 	·	
					
				untod ses	10/1/9
				@ 19	100
				(ω / 7	

Page 1 of 1

WOV

106 V

Affiliatjøn

Affiliation

Released by (Signature), Date (23)

None

None

None

None

Released by (Signature), Date

10/31/90

Spripping Carrier, Method, Date

12:30

-526-7200

Affiliation, Telephone

1 Sample Type Codes: W = Water, S = Soil, Describe Other; Container Type Codes: V = VOA/Teflon Septa, P = Plastic, C or B - Clear/Brown Glass, Describe Other; Cap Codes: PT = Plastic, Teflon Lined 2 = Volume per container; 3 = Filtered (Y/N); 4 = Refrigerated (Y/N)

5 Turnaround [N = Normal, W = 1 Week, R = 24 Hour, HOLD (write out)] ADDITIONAL COMMENTS, CONDITIONS, PROBLEMS:

> secure locked area. -Reseased to