TRANSMITTAL



DATE: Septem	ber 13, 1996	PROJECT:	3365.4	
ATTENTION:	Mr. Casimero Damele			
COMPANY:	3750 Victor Avenue Oakland, California 94619			
REGARDING:	Damele Property			
ENCLOSURE:	REPORT - Quarterly Groundwate June 1996 Damele Propery 4401 Market Street Oakland, California	er Monitoring		
COMMENTS:				

Enclosed you will find a final report of the Quarterly Groundwater Monitoring - June 1996 performed at 4401 Market Street in Oakland, California.

Please note a final copy of this report has been submitted, as per your authorization, to the Alameda County Department of Environmental Health.

	H. Fuller	<u></u>	
SENT BY:	Geoffery Fiedler, R.G.		

 \checkmark cc: Alameda County Department of Environmental Health

W. A. CRAIG, INC. Environmental Consulting and Contracting P. O. Box 448 Napa, California 94559-0448 Contractor and Hazardous Substances License #455752 Cal/OSHA Statewide Annual Excavation Permit #559351 (800) 522-7244

Berkeley (510) 525-2780

Fan: (707) 252-3385

GROUNDWATER MONITORING REPORT JUNE 1996

DAMELE PROPERTY 4401 Market Street Oakland, California

July 29, 1996 W.A. Craig, Inc. Project No. 3365-D



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Napa (707) 252-3353

W. A. CRAIG, INC. Environmental Consulting and Contracting P. O. Box 448 Napa, California 94559-0448 Contractor and Flazardous Substances License #455752 Cal/OSHA Statewide Annual Excavation Parmit #559351 (809) 522-7244

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July 29, 1996

Berkeley (510) 525-2780

Mr. and Mrs. Casimiro Damele 3750 Victor Avenue Oakland, California 94619 510/ 531-0778

Attention: Mr. and Mrs. Damele

Project No. 3365-D

Subject: REPORT - Groundwater Monitoring June 1996 Damele Property 4401 Market Street Oakland, California

Dear Mr. and Mrs. Damele:

W. A. Craig, Inc. (WAC), is pleased to submit this Groundwater Monitoring Report for sampling conducted on June 19, 1996 at the Damele Property site located at 4401 Market Street, Oakland, California. The site location is shown on **Figure 1**. This is the seventh quarter of groundwater monitoring since the installation of three groundwater monitoring wells at the site in October, 1994. This work was performed in accordance with the scope of work presented in WAC's Work Plan dated February 10, 1994.

Scope of Work

The scope of work conducted by WAC during this period included the following tasks:

- Measuring static water levels in three monitoring wells;
- Purging and sampling groundwater from the three monitoring wells at the site;
- Analyzing groundwater samples for total petroleum hydrocarbons as gasoline range organic compounds (TPH-g), and benzene, toluene, ethylbenzene, and xylenes (BTEX) and methyl tertiary butyl ether (MTBE); and
- Preparation of this report.

Groundwater Elevations

On June 19, 1996, WAC technical staff measured water levels in the monitoring wells using an electronic water level indicator. The monitoring wells were surveyed by a State-Licensed surveyor in November, 1994. The surveyed elevations and the field water level measurements were used to interpret the groundwater surface elevations at the site. The groundwater surface elevations collected for this sampling event generally indicate that groundwater flow is toward the south. The average groundwater elevations were approximately 1.2-feet lower than were measured during the previous, March 1996, sampling event. Groundwater elevations for this and previous monitoring events are presented in Table 1. The locations of the monitoring wells and a depiction of the site groundwater elevation contours are shown in Figure 2.

Groundwater Sampling

Three well casing volumes were purged from each monitoring well prior to collecting groundwater samples. Field parameters including temperature, pH, conductivity, and turbidity were intermittently monitored during purging of the wells. Groundwater samples were collected using disposable polyethylene bailers. Field observations and well volume calculations were recorded on field groundwater sampling logs. Copies of the field logs are included as Attachment A.

Groundwater samples were submitted under chain-of-custody control to McCampbell Analytical, Inc. (MAI), of Pacheco, California. The purged groundwater is currently stored on-site in labeled, DOT approved, 55-gallon, steel drums.

Analytical Results

The groundwater samples were analyzed by MAI for TPH-g using EPA Method 8015 (modified) and purgeable aromatic hydrocarbons (BTEX) and MTBE using EPA Method 8020. MAI is certified by the State of California to perform the required analyses. The results of the analyses are summarized on Table 2. Copies of the laboratory analytical report and chain-of-custody documents are in Attachment B.

Groundwater samples from monitoring well MW-1 were reported to contain: TPH-g - 500 micrograms per liter ($\mu g/l$); ethylbenzene - 0.85 $\mu g/l$; xylenes - 0.36 $\mu g/l$; and MTBE - 84 $\mu g/l$. Benzene and toluene were not detected above the laboratory limit of detection in the groundwater samples from monitoring well MW-1. The following constituents were detected in the groundwater samples from monitoring well MW-2: TPH-g -9,000 $\mu g/l$; benzene - 520 $\mu g/l$; toluene - 82 $\mu g/l$; ethylbenzene - 350 $\mu g/l$; xylenes - 1,500 $\mu g/l$; and MTBE - not detected above the laboratory limit of detection. TPH-g, BTEX, or MTBE were not detected above the laboratory limits of detection in the groundwater samples collected from monitoring well MW-3.

Conclusions

Groundwater elevations were approximately 1.2-feet lower than previously measured during the March 1996 sampling event. The groundwater flow in the general site area is \ddagger consistently toward the south.

Analytical results for monitoring well MW-1 have remained below the detectable reporting limits for benzene and toluene. TPH-g, ethylbenzene, xylenes and MTBE were reported at higher concentrations than were reported during the previous two sampling periods, although the concentrations are generally consistent with historical concentrations. Groundwater sample analytical results for samples collected from MW-2 are slightly lower than reported for previous quarters, but are consistent with historical concentrations. The groundwater sample analytical results for samples from MW-3 are consistent with previous monitoring periods and continue to be below the laboratory limits of detection for TPH-g, BTEX, and MTBE.

Primary drinking water quality standards have been exceeded for MTBE (monitoring well MW-1) and benzene (monitoring well MW-2). The upgradient monitoring well MW-3 has had trace to non-detected concentrations of these constituents. Monitoring wells MW-1 and MW-2 are downgradient of the site. There does not appear to be a clear trend in the review of historical analytical results to indicate that these constituents are decreasing over time.

Recommendations

On the basis of WAC's review of the groundwater quality results information from seven quarterly groundwater monitoring events and the results of previous investigations, WAC recommends expanding the current groundwater monitoring well network to include **f** one, or more, downgradient monitoring wells. These wells would be used to assess and monitor the lateral extent of gasoline and related constituents. WAC further recommends that the existing groundwater monitoring program should be continued and expanded to include any new wells.

Professional Certification

This report has been prepared by the staff of W. A. Craig, Inc., under the professional supervision of the persons whose seals and signatures appear hereon. No warranty, either expressed or implied, is made as to the professional advice presented herein. The analysis, conclusions and recommendations contained in this report are based upon site conditions as they existed at the time of quarterly monitoring and sampling and they are subject to change.

The conclusions presented in this report are professional opinions based solely upon

visual observations of the site and vicinity, and interpretation of available information as described in this report. W.A. Craig, Inc., recognizes that the limited scope of services performed in execution of this scope of work may not be appropriate to satisfy the needs, or requirements of other state agencies, or of other users. Any use or reuse of this document or its findings, conclusions or recommendations presented herein is at the sole risk of said user. There is no other warranty, either expressed or implied.

Closing Statement

The next quarterly sampling event is scheduled for September, 1996. We appreciate this opportunity to be of service to you on this groundwater monitoring project. Should you have any questions regarding this report please give us a call at (707) 252-3353.

Sincerely,

W.A. Craig, Inc.,

Geoffery A. Fiedler, R.G.

Geoffery A. Fiedler, R.G Principal Geologist

WAC/ GAF:snk

 Attachments:
 Table 1 - Groundwater Elevations

 Table 2 - Groundwater Sample Analytical Results
 Figure 1 - Site Location Map

 Figure 2 - Groundwater Contour Map
 A - Groundwater Sampling Logs

 B - Laboratory Analytical Reports

cc: Ms. Susan Hugo, Alameda County Department of Environmental Management

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William A. Craig, II, R.E.A. 01414 President

<u>TABLE 1</u> Groundwater Elevations 4401 Market Street, Oakland, California

Well Number	Date	Well Elevation	Depth to Water	Elevation
MW-1	02/14/95	71.12	12.65	58.47
	06/07/95	71.12	14.62	56 50
	08/29/95	71.12	15.04	56.08
	12/08/95	71.12	15.94	55 18
	03/07/96	71.12	12.36	58.76
	06/19/96	71.12	13.70	57.42
	00/11/07			
MW-2	02/14/95	70.62	12.12	58.50
	06/07/95	70.62	14.38	56.24
	08/29/95	70.62	14.40	56.22
	12/08/95	70.62	15.22	55.40
	03/07/96	70.62	12.04	58.58
	06/19/96	70.62	13.38	57.24
MW-3	02/14/95	71.79	13.45	58.34
	06/07/95	71.79	14.64	57.15
	08/29/95	71.79	14.94	56.85
	12/08/95	71.79	15.82	55.97
	03/07/96	71.79	12.89	58.90
	06/19/96	71.79	13.94	57.85

Note: Groundwater elevations are referenced to Mean Sea Level.

Wells percende 2 20-25' bgs.

TABLE 2 Groundwater Sample Analytical Results 2877 Solano Avenue, Napa, California (reported in µg/l)

Well	Sample	MTBE	TPH-g	Benzene	Toluene	Ethylbenzene	Xylenes	
Number	Date							
		n di potenzione.	Ale te dije					
MW-1	W-1 11/08/94 NT 54		ND	ND	1.2			
	02/14/95	NT	71	ND	ND	ND	0.97	
	06/07/95	NT	540	0.60	ND	1.7	1.3	
	08/29/95	NT	440	ND	ND	1.3	1.1	
	12/08/95	NT	ND	ND	ND	ND	ND	
	03/07/96	44	77	ND	ND	ND	ND	
	06/19/96	84	500	ND	ND	0.85	0.36	
MW-2	11/08/04	NT	20,000	1 400	060	080	4.600	
	02/14/95	NT	20,000	380	210	410	2,000	
	06/07/95	NT	6 200	500	78	270	2,000	
	08/29/95	NT	4 100	330	61	210	1,200	
	12/08/95	NT	9 400	360	190	440	2,000	
	03/07/96	18	12,000	790	170	440	2,000	
	06/19/96	ND	9,000	520	82	350	1,500	
MAN/_3	11/08/04	NIT	NTD	0.71	0.94	1.2	50	
191 99 - 2	02/14/05	NT		ND	0.64 ND	1.2 ND	2.0 ND	
	06/07/95	NT	ND				16	
	08/29/95	NT	ND	ND	ND	ND	ND	
	12/08/95	NT	ND		ND	ND	ND	
	03/07/96	ND	ND	ND	ND	ND		
	06/19/96	ND	ND	ND	ND	ND	ND	
California MCL		40	None Listed	1.0	150	700	1750	

MCL = Maximum Contaminant Level Primary Drinking Water Standard

ND = Not detected above the laboratory limit of detection.

NT = Not Tested

 μ g/l= micrograms per liter





ATTACHMENT A

GROUNDWATER SAMPLING LOGS

GROUNDWATER SAMPLING WELL DEVELOPMENT LOG

WELL NUMBER	l:	16-1	FIELD PERSON(S): Russen bert								
DATE STARTED	D: <u>6</u>	/19/26									
TIME STARTED):		_ JOB NUMBER: 3365								
DATE COMPLE	TED:		JOB NAM	E: .	<u>Da</u>	mele					
TIME COMPLET	red:					·					
DEPTH TO BOTTO	M OR CASING LEN	NGTH		WELL INSIDE DIA	METER						
DEPTH TO 24.2 BOTTOM	DEPTH - TO WATER	<u>(3, 20</u> = Δ(FT) WELL	<u>/0,39 </u>	VOLUME FACTOR V.F.= GAL/FT	1"#0.0 1-1/2"# 2"=0.1	41 4"=0.653 =0.092 6"=1.469 63 8"=2.611					
ΔH (FT) 10.89	<u>3'</u> X(V.F.) = <u>(</u>	0./63 = VOLUME (GAL)	<u> </u>		3"#0.3	67 12" = 5.875					
DATE(S) PURGED:	-			WELL DEWATER	I GE	IYES ("TNO					
PURGE METHOD:	Dira	Hand Bailer	-	DATE SAMPLED:		/14/16					
INITIAL DEPTH TO	WATER: '			TIME SAMPLED:		1405					
CASING VOLUME R	EMOVED (GAL):	62,20		SAMPLING METH	<u>OD:</u> ,	Bailer					
		3+-			C	Lite L					
PURGE RATE (GP	M):	· · · · · · · · · · · · · · · · · · ·		PURGES/SAMPLE	ED BY:	ATOL WELL					
					/						
DEPTH TO WATEF	AFTER RECOVER	RY <u>14.96</u> (FT) =	80+	% RECOVERED P	PRIOR TO	SAMPLING					
DEPTH TO WATER FIELD PARAMETE TIME (24 HR CLOCK)	RAFTER RECOVER RS; VOLUME REMOVED (GAL)	TEMPERATURE		% RECOVERED P	PRIOR TO	SAMPLING TURBIDITY (NTU)					
DEPTH TO WATER FIELD PARAMETE TIME (24 HR CLOCK) 735/	RS; VOLUME REMOVED (GAL)	TEMPERATURE	80 ⁺ ELECTRIC CONDUCTI 4.29	% RECOVERED P	PRIOR TO	TURBIDITY (NTU)					
DEPTH TO WATER FIELD PARAMETE (24 HR CLOCK) 7357 7356	RAFTER RECOVER RS; VOLUME REMOVED (GAL) 7. 25 3. 25	TEMPERATURE	80 ⁺ ELECTRIC CONDUCTI 4.29 6.4.6	% RECOVERED P CAL PH VITY <u>6. 多</u> の アーの	PRIOR TO	TURBIDITY (NTU) (NTU)					
DEPTH TO WATER FIELD PARAMETE (24 HR CLOCK) (24 HR CLOCK) (35) (35) (356 (400)	RAFTER RECOVER RS: VOLUME REMOVED (GAL) 7.75 3.25 5.50	TEMPERATURE	80 ⁺ ELECTRIC CONDUCTI 4.29 €.4.6 4.6	% RECOVERED P CAL PH VITY 6.83 3 7.01 2 6.9	2 6-78 6	SAMPLING TURBIDITY (NTU) Clear Slight					
DEPTH TO WATER FIELD PARAMETE (24 HR CLOCK) (35) (35) (356 (400	RAFTER RECOVER RS: VOLUME REMOVED (GAL) 7. 25 3. 25 5.50	$TEMPERATURE = \frac{71.7}{68.4}$	80 ⁺ ELECTRIC CONDUCTI 4.29 6.4.6 4.6	% RECOVERED P CAL PH VITY G. タン 3 アーの 2 G. 1	2 7 6-78 6	SAMPLING TURBIDITY (NTU) Clear Slight					
DEPTH TO WATER FIELD PARAMETE (24 HR CLOCK) (24 HR CLOCK) (35)	RAFTER RECOVER RS; VOLUME REMOVED (GAL) 7.75 3.75 5.50 5.50 5.50	$TEMPERATURE = \frac{71.7}{67.4}$	80 ⁺ ELECTRIC CONDUCTI 4.29 6.4.6 4.6 4.6 4.6	% RECOVERED P CAL PH VITY $6.8;$ 3 - 7 - 01 2 - 6.7 2 - 6.7 -	2 6-78 6	TURBIDITY (NTU) Clear Slight					

GROUNDWATER SAMPLING WELL DEVELOPMENT LOG

		116/91			<u> </u>	
ALESTARIE	U: <u> </u>	//// -6				
TIME STARTED):		JOB NUMBE	R: _	3365	
DATE COMPLE	TED:		JOB NAME:	-	Damel	e
TIME COMPLE	TED:					
DEPTH TO BOTTO	OM OR CASING LE	NGTH	WE	LL INSIDE DIAN	IETER	
отац рертн то <u>24.</u> зоттом	<u>Sy</u> - TO - ∠ WATER ∠ (1X (V.F.) - <u>0</u>	$\frac{3.38}{2.163} = \Delta(FT)$ $WELL$ CASING - VOLUME (GAL)	//./6 VOL FAC V.F.	.UME TOR ∍ GAL∕FT	1"=0.041 1-1/2"=0.092 2"=0.163 3"=0.367	4″=0.653 6″=1.469 8″=2.611 12″=5.875
ATE(S) PURGED): _		WE		D () YES	14TNO
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	S NEMUVED:	3+	WE	ATHER	(,
			FCOI		-un w	in she
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PURGE RATE (GP DEPTH TO WATE FIELD PARAMETE TIME (24 HR CLOCK)	R AFTER RECOVE RS; VOLUME REMOVED (GAL)	ry <u>/3.60</u> (FT) =	<u>θo</u> [↑] % R <u>X/60</u> ELECTRICAL CONDUCTIVIT			
DEPTH TO WATER DEPTH TO WATER FIELD PARAMETE (24 HR CLOCK) / 2 4 7	R AFTER RECOVE RS; VOLUME REMOVED (GAL) 2.00	$RY \underline{/3.60} (FT) =$ $TEMPERATURE$ $\underline{/2.8}$	807 % R X100 ELECTRICAL CONDUCTIVIT 7.60	RGES/SAMPLEI		
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PURGE RATE (GP DEPTH TO WATER FIELD PARAMETE (24 HR CLOCK) /2 47 /2 57 /2 57	R AFTER RECOVE RS; VOLUME REMOVED (GAL) 2.00 3.25 5.50	RY <u>13.60</u> (FT) = TEMPERATURE <u>22,8</u> <u>72,2</u> 72,1	θο + % R X100 ELECTRICAL CONDUCTIVIT 7.60 7.51 7.43	RGES/SAMPLEI NECOVERED PF Y PH 6.91 6.66 6.64	DBY: R	
PURGE RATE (GP DEPTH TO WATER FIELD PARAMETE (24 HR CLOCK) /247 /257 /257	RAFTER RECOVE RS; VOLUME REMOVED (GAL) 2.00 3.25 3.50	RY <u>13.60</u> (FT) = TEMPERATURE <u>22, 8</u> <u>72, 2</u> <u>72, 1</u>	80 ^{-↑} % R X100 ELECTRICAL CONDUCTIVIT 7.60 7.51 7.43	RGES/SAMPLEI NECOVERED PF PH 6.9/ 6.64	DBY: R RIOR TO SAMP TUP Centres	
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PURGE RATE (GP DEPTH TO WATER FIELD PARAMETE (24 HR CLOCK) /247 /257 /257	RAFTER RECOVE RS; VOLUME REMOVED (GAL) 2.00 3.25 5.50	RY <u>$/3.60$ (FT) =</u> TEMPERATURE <u>$22, 8$</u> <u>$72, 2$</u> <u>$72, 1$</u>	θο + % R X160 ELECTRICAL CONDUCTIVIT 7.60 7.51 7.43	RGES/SAMPLEI IECOVERED PF Y PH <u>6.66</u> 6.67	DBY: R RIOR TO SAMP	
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GROUNDWATER SAMPLING WELL DEVELOPMENT LOG

WELL NUMBER	i:	W-3	FIELD PI	ERSON	(S): <u>/</u>	Russell (sentes
DATE STARTE	D: <u> </u>	/19/96		_			
TIME STARTED):		JOB NUI	MBER:		3365	-
DATE COMPLETED:			JOB NAM	ME:		Damele	
	TED:						
DEPTH TO BOTTC	M OR CASING LE	NGTH		WELLIN		TER	
ТОТАL DEPTH TO <u>27.6</u> ВОТТОМ A H (FT) /0.66	$\frac{2}{2} - \frac{10}{10} = \frac{1}{2}$ WATER	<u>3.941</u> = Δ(FT) WELL CASING ./63 = VOLUME	<u>10,681</u> 1.24	VOLUME FACTOR V.F.= GA	UFT	1"=0.041 1-1/2"=0.092 2"=0.163 3"=0.367	4"=0.653 6"=1.469 8"=2.611 12"=5.875
DATE(S) PURGED	(, , , , , , , , , , , , , , , , ,	(GAL)	<u></u>	WELL D	EWATERED	[]YES	ILINO
PURGE METHOD	Dite	2. Hand. Baile		DATE S	AMPLED:	6/19/	76
INITIAL DEPTH TO	WATER:			TIME SA	MPLED:	1330	
TOTAL VOLUME R	EMOVED (GAL):	5.25		SAMPLI	NG METHOD	: Baile	~
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PURGE RATE (GP	M):		- <u></u>	PURGE	IONS: S/SAMPLED	BY: no	m bri
FIELD PARAMETE	RS; VOLUME	T	7100			THE	
	REMOVED	TEMPERATURE	ELECTR		PH		
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TIME (24 HR CLOCK) / 3. /8 / 3.2/ / 3.26	REMOVED (GAL) (J. 25 3(. 50 5. 25	TEMPERATURE -20, 2 -62, 9 -68, /	ELECTR CONDUC 3.87 3.69		7.23 7.26		(BIDITY NTU) a c c c c c c c c c
TIME (24 HR CLOCK) / 3./8 / 3.2/ / 3.26	REMOVED (GAL) (. 25 3(. 56 5. 25	TEMPERATURE 	ELECTA CONDUC 3.87 3.69 3.69		7.23 7,26 7,78	(ABIDITY NTU) a G G G T
TIME (24 HR CLOCK) / 3./8 / 3.2/ / 3.26	REMOVED (GAL) (J. 75 3(-50 5.25	TEMPERATURE 	ELECTA CONDUC 3.87 3.67 3.67		7.23 7.26 7.18	(ABIDITY NTU) a c c c c c c c c c c c c c c c c c c
TIME (24 HR CLOCK) / 3./8 / 3.2/ / 3.26	REMOVED (GAL) 1.25 31.50 5.25	TEMPERATURE 	ELECTA CONDUC 3.87 3.69 3.69		7.23 7.26 7.18	(<i>Cle</i> <i>Slig</i> <i>Slig</i> <i>Slig</i>	ABIDITY NTU) a c c c c c c c c c c c c c c c c c c
TIME (24 HR CLOCK) /3./8 /3.2/ /3.26	REMOVED (GAL) (. 25 3(. 56 5. 25	TEMPERATURE 	ELECTA CONDUC 3.87 3.69 3.69		7.23 7,26 7.18		ABIDITY NTU) A Cat- Cat-
TIME (24 HR CLOCK) /3./8 /3.2/ /3.26	REMOVED (GAL) 1.75 31.50 5.25	TEMPERATURE 20, 2 67, 9 68, 1 	ELECTA CONDUC 3.87 3.69 3.69	e tecte	7.23 7.26 7.18		181DITY NTU) a 4 4 4 4 5 4 5 4 5 4 5 4 5 4 5 5 7 4 7 5 7 7 7 7

ATTACHMENT B

LABORATORY ANALYTICAL REPORTS

17072523385 P.05

				t cic	:: 510-798-1	020 Fax: 5;	10-798-162	2	
W.A. Craig, I P.O. Box 448	inc.	Client Pr	oject ID: # 9	996; Rouch	Date Sampled: 06/19/96				
Nana CA 94	550-0449		······································			Date Rec	eived: 06/1	9/96	
		Client Co	intact: Lelan	d Yialelis		Date Extr	acted: 06/I	9/96	
		Client P.	D:			Date Ana	lyzed: 06/1	9/96	
EPA methods 50	Gasoline Rang 30, modified 8015, and	е (С6-С12 8020 от 602;) Volatile Hy California RW(drocarbons	as Gasolig	e*, with BT	EX*		
Lab ID	Client ID	Matrix	TPH(g) ⁺	Benzene	Toluene	Ethylben- zene	Xylenes	% Rec.	
66074	S1-12"	S	ND	ND	ND	ND	ND	102	
66075	S2-12"	S	ND	ND	ND	ND	ND	102	
66076	\$3-12"	s	ND	ND	ND	ND	ND	102	
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Reporting Lin	mit unless other-	W	50 ug/L	0.5	0.5	0.5	0.5		
toted above th	as reporting limit	S	1.0 mg/kg	0.005	0.005	0.005	0.005	İ	

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

⁺ The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified gasoline is significant; b) heavier gasoline range compounds are significant(aged gasoline?); c) lighter gasoline range compounds (the most mobile fraction) are significant; d) gasoline range compounds having broad chromatographic peaks are significant; biologically altered gasoline?; e) TPH pattern that does not appear to be derived from gasoline (?); f) one to a few isolated peaks present; g) strongly aged gasoline or diesel range compounds are significant; h) lighter than water immiscible sheen is present; j) liquid sample that contains greater than ~ 5 vol. % sediment; j) no recognizable pattern.

DHS Certification No. 1644

14 Edward Hamilton, Lab Director

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110 2nd Avenue South, #D7, Pacheco, CA 94553 Telc: 510-798-1620 Fax: 510-798-1622

W.A. Craig, Inc. P.O. Box 448		Client Pr	oject ID: # 9996; Rouch/Coldwell	Date Sampled: 06/19/96			
P.O. Box 448 Napa, CA 94559-0448			•	Date Received: 06/19/96			
Napa, CA 945	59-0448	Client Co	intact: Leland Yialelis	Date Extracted: 06/20/96			
		Client P.C):				
Total Recover	able Petroleum H	lydrocarbo	as as Oil & Grease (with Silica Gel	Clean-up) by Scanning IB Sm			
EPA method 418.	l or 9073; Standurd M	ethods 1520 (trometry*				
Lab ID	Client ID	Matrix	TRPH ⁺	% Recovery Surrogate			
66074	S1-12"	S	ND	NA			
66075	S2-12"	<u> </u>	ND	NA			
66076	<u>S3-12"</u>	S	ND	NA			
			······································				
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17	/	₽ <u>+</u>					
Reporting Lin	it unless other						
	means not de-		1.0 mg/L				
cted above th	ted above the reporting limit		10. 1				

Edward Hamilton, Lab Director

- w.	A. CRAIG, INC.	CHA	IN-	O	F-C	ะบ	ST	<u>10</u>	ΣY	R	ECO	RD			
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6/19 085	$\int \int \frac{1}{2}$	5				V	2				V			66075	
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